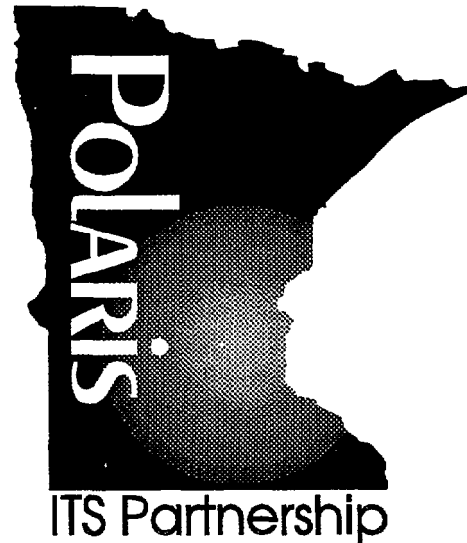


Minnesota Intelligent Transportation Systems

ITS System Specification

APPENDIX D: Physical Architecture Component Interfaces



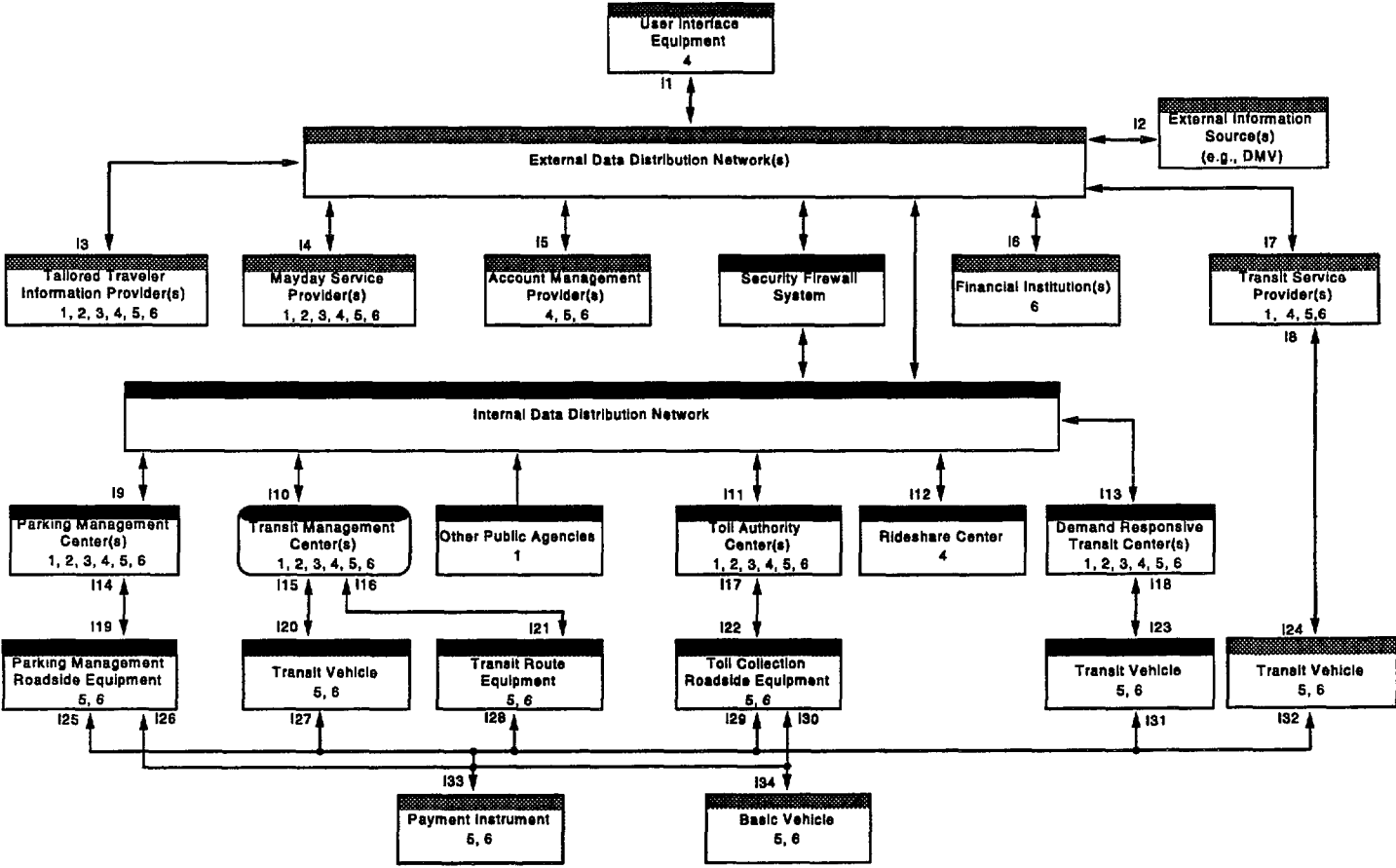
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Final

The architecture shown in Figure 86, Account Management - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Account Management Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



AM\$PHYS-d

Figure 86. Account Management - Physical Architecture

ITS System Specification - Appendix D:

Component Interfaces

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	101	Demand Responsive Transit Center(s)	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Mayday Service Provider(s)	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Regional ITS Management Center	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Rideshare Center	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Tailored Traveler Information Provider(s)	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Transit Service Provider(s)	User Interface Equipment	Activation/DeactivationNotice	D, Te, P
		Parking Management Center(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Account Management Provider(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Demand Responsive Transit Center(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Other Transit Management Center(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Regional ITS Management Center	User Interface Equipment	Profile Confirmation	D, E, P
		Rideshare Center	User Interface Equipment	Profile Confirmation	D, E, P
		Tailored Traveler Information Provider(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Toll Authority Center(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Transit Service Provider(s)	User Interface Equipment	Profile Confirmation	D, E, P
		Mayday Service Provider(s)	User Interface Equipment	Profile Confirmation	D, E, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	102	Demand Responsive Transit Center(s)	External Information Source(s)	Provider Validation Request	D
		Regional ITS Management Center	External Information Source(s)	Provider Validation Request	D
		Rideshare Center	External Information Source(s)	Provider Validation Request	D
		Transit Service Provider(s)	External Information Source(s)	Provider Validation Request	D
		Financial Institution(s)	Tailored Traveler Information Provider(s)	Account Validation Notice	D
	103	User Interface Equipment	Tailored Traveler Information Provider(s)	Activation/Deactivation Request	D, Te, P
		Account Management Provider(s)	Tailored Traveler Information Provider(s)	Authorized User List	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	Pricing Requirements	D, E, F, P
		Financial Institution(s)	Tailored Traveler Information Provider(s)	Service Payment	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	User Profile	D, E, F, P
104		Account Management Provider(s)	Tailored Traveler Information Provider(s)	User Profile	D
		Financial Institution(s)	Mayday Service Provider(s)	Account Validation Notice	D
		User Interface Equipment	Mayday Service Provider(s)	Activation/Deactivation Request	D, E, P
		Account Management Provider(s)	Mayday Service Provider(s)	Authorized User List	D
		User Interface Equipment	Mayday Service Provider(s)	Pricing Requirements	D E, F, P
		Financial Institution(s)	Mayday Service Provider(s)	Service Payment	D
		Account Management Provider(s)	Mayday Service Provider(s)	User Profile	D
		User Interface Equipment	Mayday Service Provider(s)	User Profile	D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	105	Financial Institution(s)	Account Management Provider(s)	Account Validation Notice	D
		Transit Service Provider(s)	Account Management Provider(s)	Service Payment	D
		Toll Authority Center(s)	Account Management Provider(s)	Service Payment	D
		Regional ITS Management Center	Account Management Provider(s)	Service Payment	D
		Other Transit Management Center(s)	Account Management Provider(s)	Service Payment	D
		Financial Institution(s)	Account Management Provider(s)	Service Payment	D
		Parking Management Center(s)	Account Management Provider(s)	Service Payment	D
		Regional ITS Management Center	Account Management Provider(s)	Service Pricing Structures	D
		Tailored Traveler Information Provider(s)	Account Management Provider(s)	Service Pricing Structures	D
		Demand Responsive Transit Center(s)	Account Management Provider(s)	Service Pricing Structures	D
		Mayday Service Provider(s)	Account Management Provider(s)	Service Pricing Structures	D
		Other Transit Management Center(s)	Account Management Provider(s)	Service Pricing Structures	D
		Toll Authority Center(s)	Account Management Provider(s)	Service Pricing Structures	D
		Transit Service Provider(s)	Account Management Provider(s)	Service Pricing Structures	D
		Parking Management Center(s)	Account Management Provider(s)	Service Pricing Structures	D
		Toll Authority Center(s)	Account Management Provider(s)	Service Usage Data - 1	D
		Demand Responsive Transit Center(s)	Account Management Provider(s)	Service Usage Data - 1	D
		Mayday Service Provider(s)	Account Management Provider(s)	Service Usage Data - 1	D
		Other Transit Management Center(s)	Account Management Provider(s)	Service Usage Data - 1	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface	Type
AM	105	Parking Management Center(s)	Account Management Provider(s)		Service Usage Data - 1	D	
		Regional ITS Management Center	Account Management Provider(s)		Service Usage Data - 1	D	
		Tailored Traveler Information Provider(s)	Account Management Provider(s)		Service Usage Data - 1	D	
		Transit Service Provider(s)	Account Management Provider(s)		Service Usage Data - 1	D	
		Parking Management Center(s)	Account Management Provider(s) .	Service Usage Data -2	D		
		Regional ITS Management Center	Account Management Provider(s)	Service Usage Data -2	D		
		Tailored Traveler Information Provider(s)	Account Management Provider(s)	Service Usage Data -2	D		
		Toll Authority Center(s)	Account Management Provider(s)	Service Usage Data -2	D		
		Transit Service Provider(s)	Account Management Provider(s)	Service Usage Data -2	D		
		Other Transit Management Center(s)	Account Management Provider(s)	Service Usage Data -2	D		
		Demand Responsive Transit Center(s)	Account Management Provider(s)	Service Usage Data -2	D		
		Mayday Service Provider(s)	Account Management Provider(s)	Service Usage Data -2	D		
		User Interface Equipment	Account Management Provider(s)	User Profile	D, E, F, P		
		Mayday Service Provider(s)	Financial Institution(s)	Account Validation Request	D		
		Tailored Traveler Information Provider(s)	Financial Institution(s)	Account Validation Request	D		
106	Parking Management Center(s)	Financial Institution(s)	Account Validation Request	D			
	Demand Responsive Transit Center(s)	Financial Institution(s)	Account Validation Request	D			
	Account Management Provider(s)	Financial Institution(s)	Account Validation Request	D			
	Regional ITS Management Center	Financial Institution(s)	Account Validation Request	D			

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	106	Toll Authority Center(s)	Financial Institution(s)	Account Validation Request	D
		Transit Service Provider(s)	Financial Institution(s)	Account Validation Request	D
		Other Transit Management Center(s)	Financial Institution(s)	Account Validation Request	D
		Other Transit Management Center(s)	Financial Institution(s)	Payment Confirmation	D
		Mayday Service Provider(s)	Financial Institution(s)	Payment Confirmation	D
		Demand Responsive Transit Center(s)	Financial Institution(s)	Payment Confirmation	D
		Transit Service Provider(s)	Financial Institution(s)	Payment Confirmation	D
		Parking Management Center(s)	Financial Institution(s)	Payment Confirmation	D
		Regional ITS Management Center	Financial Institution(s)	Payment Confirmation	D
		Tailored Traveler Information Provider(s)	Financial Institution(s)	Payment Confirmation	D
		Toll Authority Center(s)	Financial Institution(s)	Payment Confirmation	D
		Account Management Provider(s)	Financial Institution(s)	Payment Confirmation	D
		Account Management Provider(s)	Financial Institution(s)	Service Invoice	D
		Transit Service Provider(s)	Financial Institution(s)	Service Invoice	D
		Demand Responsive Transit Center(s)	Financial Institution(s)	Service Invoice	D
		Mayday Service Provider(s)	Financial Institution(s)	Service Invoice	D
		Other Transit Management Center(s)	Financial Institution(s)	Service Invoice	D
		Parking Management Center(s)	Financial Institution(s)	Service Invoice	D
		Regional ITS Management Center	Financial Institution(s)	Service Invoice	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	106	Tailored Traveler Information Provider(s)	Financial Institution(s)	Service Invoice	D
		Toll Authority Center(s)	Financial Institution(s)	Service Invoice	D
	107	Financial Institution(s)	Transit Service Provider(s)	Account Validation Notice	D
		Regional ITS Management Center	Transit Service Provider(s)	Activation/Deactivation Notice	D, P
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Activation/Deactivation Notice	D, P, Te
		User Interface Equipment	Transit Service Provider(s)	Activation/Deactivation Request	D, Te, P
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Authorized User List	D
		Account Management Provider(s)	Transit Service Provider(s)	Authorized User List	D
		User Interface Equipment	Transit Service Provider(s)	Pricing Requirements	D, E, F, P
		Regional ITS Management Center	Transit Service Provider(s)	Pricing Requirements	P, Ma, D
		Other Transit Management Center(s)	Transit Service Provider(s)	Pricing Requirements	P, Ma, D
		Other Public Agencies	Transit Service Provider(s)	Pricing Requirements	P, Ma, D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Pricing Requirements	P, Ma, D
		Regional ITS Management Center	Transit Service Provider(s)	Profile Confirmation	P, Ma, D, E
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Profile Confirmation	P, Ma, D, E
		External Information Source(s)	Transit Service Provider(s)	Provider Validation Notice	D

Rideshare Payment
Ma, D

Rideshare Payment
Ma, D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	107	Financial Institution(s)	Transit Service Provider(s)	Service Payment	D
		Account Management Provider(s)	Transit Service Provider(s)	User Profile	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	User Profile	D
		User Interface Equipment	Transit Service Provider(s)	User Profile	D, E, F, P
	108	Transit Vehicle	Transit Service Provider(s)	Account Validation Request	D
		Transit Vehicle	Transit Service Provider(s)	Service Payment	D
		Transit Vehicle	Transit Service Provider(s)	Service Usage Data - 1	D
		Transit Vehicle	Transit Service Provider(s)	Service Usage Data - 2	D
	109	Financial Institution(s)	Parking Management Center(s)	Account Validation Notice	D
		Account Management Provider(s)	Parking Management Center(s)	Authorized User List	D
		User Interface Equipment	Parking Management Center(s)	Pricing Requirements	D, E, P
		Parking Management Center(s)	Parking Management Center(s)	Pricing Requirements	P, Ma, D
		Other Public Agencies	Parking Management Center(s)	Pricing Requirements	P, Ma, D
		Financial Institution(s)	Parking Management Center(s)	Service Payment	D
		User Interface Equipment	Parking Management Center(s)	User Profile	D, E, P
		Financial Institution(s)	Other Transit Management Center(s)	Account Validation Notice	D
110		Financial Institution(s)	Regional ITS Management Center	Account Validation Notice	D
		Transit Service Provider(s)	Regional ITS Management Center	Activation/Deactivation Request	D,P
		User Interface Equipment	Regional ITS Management Center	Activation/Deactivation Request	D, Te, P
		Account Management Provider(s)	Other Transit Management Center(s)	Authorized User List	D
		Account Management Provider(s)	Regional ITS Management Center	Authorized User List	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
AM	110	Other Transit Management Center(s)	Other Transit Management Center(s)		Pricing Requirements	P, Ma, D
		User Interface Equipment	Other Transit Management Center(s)		Pricing Requirements	D, E, P
		Transit Service Provider(s)	Other Transit Management Center(s)		Pricing Requirements	P, Ma, D
		Regional ITS Management Center	Other Transit Management Center(s)		Pricing Requirements	P, Ma, D
		Other Public Agencies	Regional ITS Management Center		Pricing Requirements	P, Ma, D
		Demand Responsive Transit Center(s)	Other Transit Management Center(s)		Pricing Requirements	P, Ma, D
		Other Public Agencies	Other Transit Management Center(s)		Pricing Requirements	P, Ma, D
		Demand Responsive Transit Center(s)	Regional ITS Management Center		Pricing Requirements	P, Ma, D
		Other Transit Management Center(s)	Regional ITS Management Center		Pricing Requirements	P, Ma, D
		Transit Service Provider(s)	Regional ITS Management Center		Pricing Requirements	P, Ma, D
		User Interface Equipment	Regional ITS Management Center		Pricing Requirements	D, E, P
		Transit Service Provider(s)	Regional ITS Management Center		Provider Profile	P, Ma, D, E
		External Information Source(s)	Regional ITS Management Center		Provider Validation Notice	D
		Financial Institution(s)	Other Transit Management Center(s)		Service Payment	D
		Financial Institution(s)	Regional ITS Management Center		Service Payment	D
		User Interface Equipment	Other Transit Management Center(s)		User Profile	D, E, P
		Account Management Provider(s)	Regional ITS Management Center		User Profile	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	110	User Interface Equipment	Regional ITS Management Center	User Profile	D, E, P
	I11	Financial Institution(s)	Toll Authority Center(s)	Account Validation Notice	D
		Account Management Provider(s)	Toll Authority Center(s)	Authorized User List	D
		Toll Authority Center(s)	Toll Authority Center(s)	Pricing Requirements	P, Ma, D
		Other Public Agencies	Toll Authority Center(s)	Pricing Requirements	P, Ma, D
		User Interface Equipment	Toll Authority Center(s)	Pricing Requirements	D, E, P
	112	Financial Institution(s)	Toll Authority Center(s)	ServicePayment	D
		User Interface Equipment	Toll Authority Center(s)	User Profile	D, E, P
		User Interface Equipment	Rideshare Center	Activation/DeactivationRequest	D, Te, P
		Account Management Provider(s)	Rideshare Center	Authorized User List	D
		User Interface Equipment	Rideshare Center	Provider Profile	D, E, F, P
I13		External Information Source(s)	Rideshare Center	Provider Validation Notice	D
		User Interface Equipment	Rideshare Center	User Profile	D, E, F, P
		Account Management Provider(s)	Rideshare Center	User Profile	D
		Financial Institution(s)	Demand Responsive Transit Center(s)	Account Validation Notice	D
		User Interface Equipment	Demand Responsive Transit Center(s)	Activation/Deactivation Request	D Te, P
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Activation/Deactivation Request	D, P, Te
		Account Management Provider(s)	Demand Responsive Transit Center(s)	Authorized User List	D
		User Interface Equipment	Demand Responsive Transit Center(s)	PricingRequirements	D E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	113	Transit Service Provider(s)	Demand Responsive Transit Center(s)	Pricing Requirements	P, Ma, D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Pricing Requirements	P, Ma, D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Pricing Requirements	P, Ma, D
		Other Public Agencies	Demand Responsive Transit Center(s)	Pricing Requirements	P, Ma, D, F, E
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Pricing Requirements	P, Ma, D, E
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Provider Profile	P, Ma, D, E, F
		External Information Source(s)	Demand Responsive Transit Center(s)	Provider Validation Notice	D
		Financial Institution(s)	Demand Responsive Transit Center(s)	Service Payment	D
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Service Usage Data - 1	D
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Service Usage Data -2	D
		User Interface Equipment	Demand Responsive Transit Center(s)	User Profile	D, E, F, P
		Account Management Provider(s)	Demand Responsive Transit Center(s)	User Profile	D
		Parking Management Roadside Equipment	Parking Management Center(s)	Account Validation Request	D
114		Parking Management Roadside Equipment	Parking Management Center(s)	Service Payment	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
AM	114	Parking Management Roadside Equipment	Parking Management Center(s)		Service Usage Data - 1	D
		Parking Management Roadside Equipment	Parking Management Center(s)		Service Usage Data -2	D
	115	Transit Vehicle	Regional ITS Management Center		Account Validation Request	D
		Transit Vehicle	Other Transit Management Center(s)		Account Validation Request	D
		Transit Vehicle	Other Transit Management Center(s)		Service Payment	D
		Transit Vehicle	Regional ITS Management Center		Service Payment	D
		Transit Vehicle	Regional ITS Management Center		Service Usage Data - 1	D
		Transit Vehicle	Other Transit Management Center(s)		Service Usage Data - 1	D
		Transit Vehicle	Regional ITS Management Center		Service Usage Data -2	D
	116	Transit Route Equipment	Regional ITS Management Center		Account Validation Request	D
		Transit Route Equipment	Other Transit Management Center(s)		Account Validation Request	D
		Transit Route Equipment	Regional ITS Management Center		Service Payment	D
		Transit Route Equipment	Other Transit Management Center(s)		Service Payment	D
		Transit Route Equipment	Regional ITS Management Center		Service Usage Data - 1	D
		Transit Route Equipment	Other Transit Management Center(s)		Service Usage Data - 1	D
		Transit Route Equipment	Regional ITS Management Center		Service Usage Data -2	D
		Transit Route Equipment	Regional ITS Management Center		Service Usage Data -2	D

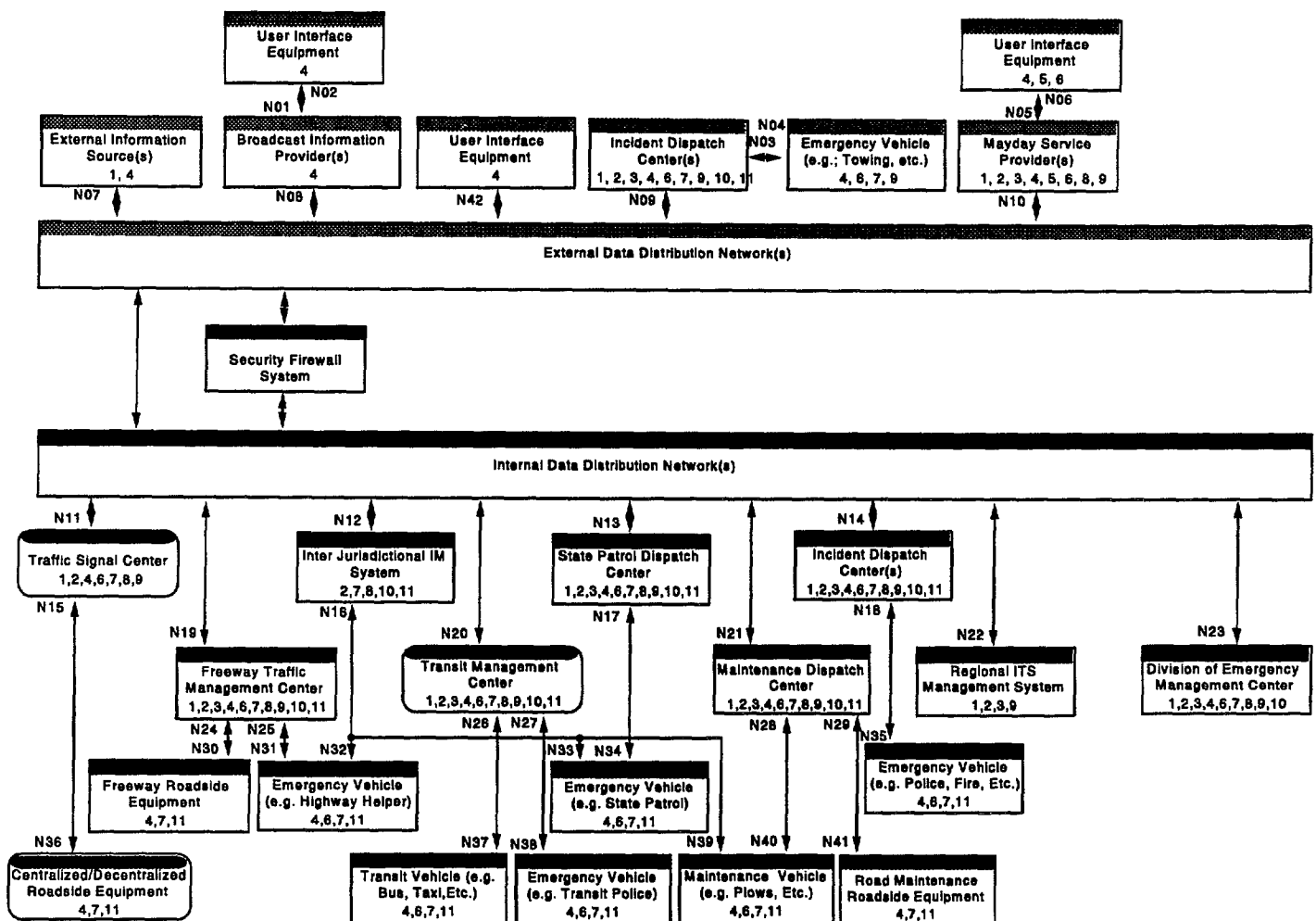
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	116	Transit Route Equipment	Other Transit Management Center(s)	Service Usage Data -2	D
	117	Toll Collection Roadside Equipment	Toll Authority Center(s)	Account Validation Request	D
		Toll Collection Roadside Equipment	Toll Authority Center(s)	Service Payment	D
		Toll Collection Roadside Equipment	Toll Authority Center(s)	Service Usage Data - 1	D
		Toll Collection Roadside Equipment	Toll Authority Center(s)	Service Usage Data -2	D
	118	Transit Vehicle	Demand Responsive Transit Center(s)	Account Validation Request	D
		Transit Vehicle	Demand Responsive Transit Center(s)	Service Payment	D
		Transit Vehicle	Demand Responsive Transit Center(s)	Service Usage Data - 1	D
		Transit Vehicle	Demand Responsive Transit Center(s)	Service Usage Data -2	D
	119	Parking Management Center(s)	Parking Management Roadside Equipment	Account Validation Notice	D
		Parking Management Center(s)	Parking Management Roadside Equipment	Payment Confirmation	D
	120	Regional ITS Management Center	Transit Vehicle	Account Validation Notice	D
		Other Transit Management Center(s)	Transit Vehicle	Account Validation Notice	D
		Regional ITS Management Center	Transit Vehicle	Payment Confirmation	D
		Other Transit Management Center(s)	Transit Vehicle	Payment Confirmation	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	121	Other Transit Management Center(s)	Transit Route Equipment	Account Validation Notice	D
		Regional ITS Management Center	Transit Route Equipment	Account Validation Notice	D
		Regional ITS Management Center	Transit Route Equipment	Payment Confirmation	D
		Other Transit Management Center(s)	Transit Route Equipment	Payment Confirmation	D
	122	Toll Authority Center(s)	Toll Collection Roadside Equipment	Account Validation Notice	D
		Toll Authority Center(s)	Toll Collection Roadside Equipment	Payment Confirmation	D
	123	Demand Responsive Transit Center(s)	Transit Vehicle	Account Validation Notice	D
		Demand Responsive Transit Center(s)	Transit Vehicle	Payment Confirmation	D
	124	Transit Service Provider(s)	Transit Vehicle	Account Validation Notice	D
		Transit Service Provider(s)	Transit Vehicle	Payment Confirmation	D
	125	Payment Instrument	Parking Management Roadside Equipment	ServicePayment	D
		Payment Instrument	Parking Management Roadside Equipment	Service Usage Data - 1	D
		Payment Instrument	Parking Management Roadside Equipment	Service Usage Data -2	D
126	Basic Vehicle		Parking Management Roadside Equipment	ServicePayment	D
	Basic Vehicle		Parking Management Roadside Equipment	Service Usage Data - 1	D
	Basic Vehicle		Parking Management Roadside Equipment	Service Usage Data -2	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	127	Payment Instrument	Transit Vehicle	Service Payment	D
		Payment Instrument	Transit Vehicle	Service Usage Data - 1	D
		Payment Instrument	Transit Vehicle	Service Usage Data -2	D
	128	Payment Instrument	Transit Route Equipment	Service Payment	D
		Payment Instrument	Transit Route Equipment	Service Usage Data -1	D
		Payment Instrument	Transit Route Equipment	Service Usage Data -2	D
	129	Payment Instrument	Toll Collection Roadside Equipment	Service Payment	D
		Payment Instrument	Toll Collection Roadside Equipment	Service Usage Data -1	D
		Payment Instrument	Toll Collection Roadside Equipment	Service Usage Data -2	D
	130	Basic Vehicle	Toll Collection Roadside Equipment	Service Payment	D
		Basic Vehicle	Toll Collection Roadside Equipment	Service Usage Data - 1	D
		Basic Vehicle	Toll Collection Roadside Equipment	Service Usage Data -2	D
	131	Payment Instrument	Transit Vehicle	Service Payment	D
		Payment Instrument	Transit Vehicle	Service Usage Data - 1	D
		Payment Instrument	Transit Vehicle	Service Usage Data -2	D
	132	Payment Instrument	Transit Vehicle	Service Payment	D
		Payment Instrument	Transit Vehicle	Service Usage Data - 1	D
		Payment Instrument	Transit Vehicle	Service Usage Data -2	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
AM	133	Toll Collection Roadside Equipment	Payment Instrument	Payment Confirmation	D
		Transit Vehicle	Payment Instrument	Payment Confirmation	D
		Parking Management Roadside Equipment	Payment Instrument	Payment Confirmation	D
	134	Transit Route Equipment	Payment Instrument	Payment Confirmation	D
		Parking Management Roadside Equipment	Basic Vehicle	Payment Confirmation	D
		Toll Collection Roadside Equipment	Basic Vehicle	Payment Confirmation	D

The architecture shown in Figure 87, Incident Management - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Incident Management Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



IMSPA-b

Figure 87. Incident Management - Physical Architecture

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N01	User Interface Equipment	Broadcast Information Provider(s)	Incident Data	Cr,P
	N02	Broadcast Information Provider(s)	User Interface Equipment	Incident Acknowledgment	Cr,P
	N03	Emergency Vehicle	Incident Dispatch Center(s)	Equipment Status	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Estimated Time of Arrival	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Incident Conditions	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Incident Response Status	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Resource Location	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Vehicle Location	Cr,D
		Emergency Vehicle	Incident Dispatch Center(s)	Vehicle Status	Cr,D
		Incident Dispatch Center(s)	Emergency Vehicle	Equipment Assignments	Cr,D
	N04	Incident Dispatch Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D
		Incident Dispatch Center(s)	Emergency Vehicle	Response Routes	Cr,D
		Incident Dispatch Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D
		User Interface Equipment	Mayday Service Provider(s)	Incident Data	Cr,D
	N05	User Interface Equipment	Mayday Service Provider(s)	Mayday Cancellation	Cr,D
		User Interface Equipment	Mayday Service Provider(s)	Mayday Request	Cr,D
		User Interface Equipment	Mayday Service Provider(s)	User Profile	Cr,D
		Mayday Service Provider(s)	User Interface Equipment	Mayday Acknowledgement	Cr,D
	N06	State Patrol Dispatch Center	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Inter-Jurisdictional Incident Management System	External Information Source(s)	Estimated Time of Arrival	E,F,P
	N07				

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	NO7	Freeway Traffic Management Center	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Maintenance Dispatch Center	External Information Source(s)	Estimated Time of Arrival	E,F,P
		Division of Emergency Management Center	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Demand Responsive Transit Center(s)	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Incident Dispatch Center(s)	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Other Transit Management Center(s)	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Regional ITS Management System	External Information Source(s)	Estimated Time of Arrival	E,F,P
		Regional ITS Management Center	External Information Source(s)	Estimated Time of Arrival	D,E,F,P
		Demand Responsive Transit Center(s)	External Information Source(s)	Incident Acknowledgment	E,F,P
		Division of Emergency Management Center	External Information Source(s)	Incident Acknowledgment	E,F,P
		Freeway Traffic Management Center	External Information Source(s)	Incident Acknowledgment	E,F,P
		Incident Dispatch Center(s)	External Information Source(s)	Incident Acknowledgment	E,F,P
		Inter-Jurisdictional Incident Management System	External Information Source(s)	Incident Acknowledgment	E,F,P
		Maintenance Dispatch Center	External Information Source(s)	Incident Acknowledgment	E,F,P
		Other Transit Management Center(s)	External Information Source(s)	Incident Acknowledgment	E,F,P
		Regional ITS Management Center	External Information Source(s)	Incident Acknowledgment	E,F,P
		Regional ITS Management System	External Information Source(s)	Incident Acknowledgment	E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	NO7	State Patrol Dispatch Center	External Information Source(s)	Incident Acknowledgment	E,F,P
	NO8	Division of Emergency Management Center	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Freeway Traffic Management Center	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Incident Dispatch Center(s)	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Inter-Jurisdictional Incident Management System	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Other Transit Management Center(s)	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Regional ITS Management Center	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Regional ITS Management System	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		State Patrol Dispatch Center	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Demand Responsive Transit Center(s)	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
		Maintenance Dispatch Center	Broadcast Information Provider(s)	Incident Acknowledgment	E,F,P
	NO9	User Interface Equipment	Incident Dispatch Center(s)	Incident Data	D,E,F,P
		External Information Source(s)	Incident Dispatch Center(s)	Link Reference Model	D
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Personnel Assignments	Cr,D,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Personnel Assignments	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	NO9	Other Transit Management Center(s)	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Inter-Jurisdictional Incident Management System	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Maintenance Dispatch Center	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Incident Dispatch Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Regional ITS Management System	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Centralized Control Signal Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Decentralized Control Signal Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	Cr,D,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N09	Division of Emergency Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Location	Cr,D,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Vehicle Location	Cr,D,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Regional ITS Management System	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Division of Emergency Management Center	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
N10	N10	Freeway Traffic Management Center	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Maintenance Dispatch Center	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Regional ITS Management Center	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Demand Responsive Transit Center(s)	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P
		Other Transit Management Center(s)	Mayday Service Provider(s)	Incident Acknowledgment	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N10	External Information Source(s)	Mayday Service Provider(s)	Link Reference Model	D
	N11	Inter-Jurisdictional Incident Management System	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Regional ITS Management System	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Inter-Jurisdictional Incident Management System	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Regional ITS Management System	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Incident Acknowledgment	D,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		User Interface Equipment	Decentralized Control Signal Center(s)	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Data	
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		Inter-Jurisdictional Incident Management System	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Incident Data	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		User Interface Equipment	Centralized Control Signal Center(s)	Incident Data	D,E,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Inter-Jurisdictional Incident Management System	Decentralized Control Signal Center(s)	Incident Data	D,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Incident Data	D,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Personnel Assignments	D,F,P
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Personnel Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Personnel/Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Personnel/Assignments	D,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Inter-Jurisdictional Incident Management System	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Inter-Jurisdictional Incident Management System	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Regional ITS Management System	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Regional ITS Management System	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Signal Pre-emption Request	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Signal Priority Request	D,F,P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,F,P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N11	Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Vehicle Location	D,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Vehicle Location	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N12	Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Vehicle Location	D,E,FP
		Division of Emergency Management Center	Decentralized Control Signal Center(s)	Vehicle Location	D,E,FP
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Vehicle Location	D,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Vehicle Location	D,E,FP
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Vehicle Location	D,E,F,P
		Division of Emergency Management Center	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Centralized Control Signal Center(s)	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Incident Dispatch Center(s)	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Maintenance Dispatch Center	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N12	Regional ITS Management System	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	D,F,P
		State Patrol Dispatch Center	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	DFP
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Incident Management System	Incident Acknowledgment	DF,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Incident Conditions	V
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Broadcast Information Provider(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		State Patrol Dispatch Center	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Incident Management System	Incident Data	DFP
		Division of Emergency Management Center	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		External Information Source(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Incident Dispatch Center(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Maintenance Dispatch Center	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N12	Mayday Service Provider(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Centralized Control Signal Center(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		Regional ITS Management System	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		User Interface Equipment	Inter-Jurisdictional Incident Management System	Incident Data	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Incident Data	D,F,P
		External Information Source(s)	Inter-Jurisdictional Incident Management System	Link Reference Model	D
		State Patrol Dispatch Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Incident Dispatch Center(s)	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Division of Emergency Management Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Travel Conditions- 1	V
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Travel Conditions-2	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N12	Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		State Patrol Dispatch Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Incident Dispatch Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Division of Emergency Management Center	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Incident Dispatch Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		State Patrol Dispatch Center	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Vehicle Location	D,E,F,P
		Regional ITS Management System	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
N13					

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N13	Freeway Traffic Management Center	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Centralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Division of Emergency Management Center	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Maintenance Dispatch Center	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Incident Conditions	V
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Data	Cr,D,E,F,P
		User Interface Equipment	State Patrol Dispatch Center	Incident Data	D,E,F,P
		Regional ITS Management System	State Patrol Dispatch Center	Incident Data	Cr,D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Incident Data	Cr,D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Incident Data	Cr,D,E,F,P
		Mayday Service Provider(s)	State Patrol Dispatch Center	Incident Data	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N13	Maintenance Dispatch Center	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Inter-Jurisdictional Incident Management System	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		External Information Source(s)	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Centralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Broadcast Information Provider(s)	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		Division of Emergency Management Center	State Patrol Dispatch Center	Incident Data	Cr,D,D,E,F,P
		External Information Source(s)	State Patrol Dispatch Center	Link Reference Model	D
		Regional ITS Management Center	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Division of Emergency Management Center	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Personnel Assignments	Cr,D,D,E,F,P
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Resource Request	Cr,D,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N13	Centralized Control Signal Center(s)	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Division of Emergency Management Center	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		External Information Source(s)	State Patrol Dispatch Center	Resource Request	Cr,D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Travel Conditions- I	V
		Freeway Traffic Management Center	State Patrol Dispatch Center	Travel Conditions-2	V
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Vehicle Assignments	Cr,D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Vehicle Assignments	Cr,D,E,F,P
		Division of Emergency Management Center	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N13	Division of Emergency Management Center	State Patrol Dispatch Center	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	State Patrol Dispatch Center	Vehicle Location	D,E,F,P
		Incident Dispatch Center(s)	State Patrol Dispatch Center	Vehicle Location	D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Vehicle Location	Cr,D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Vehicle Location	D,E,F,P
		Inter-Jurisdictional Incident Management System	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
	N14	Maintenance Dispatch Center	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N14	Regional ITS Management System	Incident Dispatch Center(s)	Incident Acknowledgment	Cr,D,E,F,P
		Regional ITS Management System	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		User Interface Equipment	Incident Dispatch Center(s)	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Broadcast Information Provider(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Mayday Service Provider(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		Maintenance Dispatch Center	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P
		External Information Source(s)	Incident Dispatch Center(s)	Incident Data	Cr,D,E,F,P

Link Reference Model

D

Personnel Assignments

D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N14	Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Personnel Assignments	Cr,D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Personnel Assignments	Cr,D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Incident Dispatch Center(s)	Resource Request	—
		External Information Source(s)	Incident Dispatch Center(s)	Resource Request	Cr,D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N14	Freeway Traffic Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	Cr,D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Division of Emergency Management Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Vehicle Location	Cr,D,E,F,P
		State Patrol Dispatch Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	Incident Dispatch Center(s)	Vehicle Location	D,E,F,P
		Centralized Roadside Equipment	Traffic Signal Center	Equipment Status	D
		Decentralized Roadside Equipment	Traffic Signal Center	Equipment Status	D
		Centralized Roadside Equipment	Traffic Signal Center	Incident Conditions	D
		Decentralized Roadside Equipment	Traffic Signal Center	Incident Conditions	D
		Decentralized Roadside Equipment	Traffic Signal Center	Incident Data	D
		Centralized Roadside Equipment	Traffic Signal Center	Incident Data	D
		Decentralized Roadside Equipment	Traffic Signal Center	Travel Conditions- 1	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N15	Centralized Roadside Equipment	Traffic Signal Center	Travel Conditions- 1	D
		Centralized Roadside Equipment	Traffic Signal Center	Travel Conditions-2	D
		DecentralizedRoadside Equipment	Traffic Signal Center	Travel Conditions-2	D
	N16	Emergency Vehicle	Inter-Jurisdictional Incident Management System	Equipment Location	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Equipment Status	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Incident Data	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Incident Response Status	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Resource Request	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Signal Pre-emption Request	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Travel Conditions Request	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Vehicle Location	Cr,D,P
		Emergency Vehicle	Inter-Jurisdictional Incident Management System	Vehicle Status	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Equipment Location	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Equipment Status	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Incident Data	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Incident Response Status	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Resource Request	Cr,D,P
	N17	Emergency Vehicle	State Patrol Dispatch Center		
		Emergency Vehicle	State Patrol Dispatch Center		
		Emergency Vehicle	State Patrol Dispatch Center		

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N17	EmergencyVehicle	State Patrol Dispatch Center	Signal Pre-emption Request	Cr,D,P
		EmergencyVehicle	State Patrol Dispatch Center	Travel Conditions Request	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Vehicle Location	Cr,D,P
		Emergency Vehicle	State Patrol Dispatch Center	Vehicle Status	Cr,D,P
	N18	Emergency Vehicle	Incident Dispatch Center(s)	Equipment Location	Cr,D,P
		Emergency Vehicle	Incident Dispatch Center(s)	Equipment Status	Cr,D,P
		Emergency Vehicle	Incident Dispatch Center(s)	Incident Data	Cr,D,P
		Emergency Vehicle	Incident Dispatch Center(s)	Incident Response Status	Cr,D,P
		Emergency Vehicle	Incident Dispatch Center(s)	Resource Request	Cr,D,P
		Emergency Vehicle	Incident Dispatch Center(s)	Signal Pre-emption Request	Cr,D,P
N19	Emergency Vehicle	Incident Dispatch Center(s)	Travel Conditions Request	Cr,D,P	
	Emergency Vehicle	Incident Dispatch Center(s)	Vehicle Location	Cr,D,P	
	Emergency Vehicle	Incident Dispatch Center(s)	Vehicle Status	Cr,D,P	
	Other Transit Management Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P	
	Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P 	
	Centralized Control Signal Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P	
	Incident Dispatch Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P	
	Maintenance Dispatch Center	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P	
	Regional ITS Management Center	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N19	Regional ITS Management System	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Incident Acknowledgment	Cr,D,E,F,P
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Broadcast Information Provider(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Regional ITS Management System	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		External Information Source(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Maintenance Dispatch Center	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N19	Mayday Service Provider(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		User Interface Equipment	Freeway Traffic Management Center	Incident Data	D,F,P
		Other Transit Management Center(s)	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Incident Data	Cr,D,E,F,P
		External Information Source(s)	Freeway Traffic Management Center	Link Reference Model	D
		Regional ITS Management Center	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N19	Centralized Control Signal Center(s)	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		External Information Source(s)	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Other Transit Management Center(s)	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Resource Request	Cr,D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Freeway Traffic Management Center	Vehicle Assignments	Cr,D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N19	Regional ITS Management Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Freeway Traffic Management Center	Vehicle Location	Cr,D,E,F,P
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Freeway Traffic Management Center	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Division of Emergency Management Center	Freeway Traffic Management Center	Vehicle Location	D,E,F,P
		Regional ITS Management System	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
N20		Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Regional ITS Management System	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	Maintenance Dispatch Center	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Maintenance Dispatch Center	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Division of Emergency Management Center	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Division of Emergency Management Center	Demand Responsive Transit Center(s)	Incident Acknowledgment	D,E,F,P
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Centralized Control Signal Center(s)	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	Freeway Traffic Management Center	Other Transit Management Center(s)	Incident Acknowledgment	D,E,F,P
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Regional ITS Management System	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Maintenance Dispatch Center	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Freeway Traffic Management Center	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		Division of Emergency Management Center	Regional ITS Management Center	Incident Acknowledgment	D,E,F,P
		External Information Source(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Regional ITS Management System	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Division of Emergency Management Center	Other Transit Management Center(s)	Incident Data	D,E,F,P
		User Interface Equipment	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		User Interface Equipment	Regional ITS Management Center	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Regional ITS Management Center	Incident Data	D,E,F,P
		Regional ITS Management System	Regional ITS Management Center	Incident Data	D,E,F,P
		Mayday Service Provider(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Maintenance Dispatch Center	Regional ITS Management Center	Incident Data	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	Inter-Jurisdictional Incident Management System	Regional ITS Management Center	Incident Data	D,E,F,P
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Freeway Traffic Management Center	Regional ITS Management Center	Incident Data	D,E,F,P,V
		Incident Dispatch Center(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Division of Emergency Management Center	Regional ITS Management Center	Incident Data	D,E,F,P
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Centralized Control Signal Center(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Broadcast Information Provider(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		User Interface Equipment	Other Transit Management Center(s)	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Regional ITS Management System	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Mayday Service Provider(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Maintenance Dispatch Center	Other Transit Management Center(s)	Incident Data	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	Incident Dispatch Center(s)	Regional ITS Management Center	Incident Data	D,E,F,P
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Broadcast Information Provider(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Division of Emergency Management Center	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		External Information Source(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Inter-Jurisdictional Incident Management System	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Inter-Jurisdictional Incident Management System	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Maintenance Dispatch Center	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Freeway Traffic Management Center	Other Transit Management Center(s)	Incident Data	D,E,F,P
		External Information Source(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		Mayday Service Provider(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	Incident Dispatch Center(s)	Demand Responsive Transit Center(s)	Incident Data	D,E,F,P
		Broadcast Information Provider(s)	Other Transit Management Center(s)	Incident Data	D,E,F,P
		External Information Source(s)	Regional ITS Management Center	Link Reference Model	D
		External Information Source(s)	Other Transit Management Center(s)	Link Reference Model	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Link Reference Model	D
		Inter-Jurisdictional Incident Management System	Other Transit Management Center(s)	Personnel Assignments	D,E,F,P
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Division of Emergency Management Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		External Information Source(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Freeway Traffic Management Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N20	State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	. Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Division of Emergency Management Center	Regional ITS Management Center	Resource Request	D,E,F,P
		External Information Source(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Freeway Traffic Management Center	Regional ITS Management Center	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Regional ITS Management Center	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Regional ITS Management Center	Resource Request	D,E,F,P
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		External Information Source(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Division of Emergency Management Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N21	Demand Responsive Transit Center(s)	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Freeway Traffic Management Center	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Incident Dispatch Center(s)	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Division of Emergency Management Center	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Other Transit Management Center(s)	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Regional ITS Management Center	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Regional ITS Management System	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		State Patrol Dispatch Center	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Incident Acknowledgment	Cr,D,E,F,P
		Freeway Traffic Management Center	Maintenance Dispatch Center	Incident Conditions	V
		Demand Responsive Transit Center(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Incident Dispatch Center(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Broadcast Information Provider(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N21	Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Other Transit Management Center(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Division of Emergency Management Center	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		External Information Source(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		User Interface Equipment	Maintenance Dispatch Center	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Regional ITS Management System	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Regional ITS Management Center	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Mayday Service Provider(s)	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		Freeway Traffic Management Center	Maintenance Dispatch Center	Incident Data	Cr,D,E,F,P
		External Information Source(s)	Maintenance Dispatch Center	Link Reference Model	D
		Freeway Traffic Management Center	Maintenance Dispatch Center	Resource Request	Cr,D,E,F,P
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Resource Request	Cr,D,E,F,P
		Regional ITS Management Center	Maintenance Dispatch Center	Resource Request	Cr,D,E,F,P
		Incident Dispatch Center(s)	Maintenance Dispatch Center	Resource Request	Cr,D,E,F,P
		Inter-Jurisdictional Incident Management System	Maintenance Dispatch Center	Resource Request	Cr,D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N21	Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Resource Request	Cr,D,D,E,F,P
		Other Transit Management Center(s)	Maintenance Dispatch Center	Resource Request	Cr,D,D,E,F,P
		State Patrol Dispatch Center	Maintenance Dispatch Center	Resource Request	Cr,D,D,E,F,P
		Division of Emergency Management Center	Maintenance Dispatch Center	Resource Request	Cr,D,D,E,F,P
		External Information Source(s)	Maintenance Dispatch Center	Resource Request	Cr,D,D,E,F,P
		Freeway Traffic Management Center	Maintenance Dispatch Center	Travel Conditions- 1	V
		Freeway Traffic Management Center	Maintenance Dispatch Center	Travel Conditions-2	V
		Division of Emergency Management Center	Regional ITS Management System	Incident Data	D,E,F,P
		External Information Source(s)	Regional ITS Management System	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Regional ITS Management System	Incident Data	D,E,F,P
N22		Regional ITS Management Center	Regional ITS Management System	Incident Data	D,E,F,P
		Other Transit Management Center(s)	Regional ITS Management System	Incident Data	D,E,F,P
		Mayday Service Provider(s)	Regional ITS Management System	Incident Data	D,E,F,P
		Maintenance Dispatch Center	Regional ITS Management System	Incident Data	D,E,F,P
		Inter-Jurisdictional Incident Management System	Regional ITS Management System	Incident Data	D,E,F,P
		Incident Dispatch Center(s)	Regional ITS Management System	Incident Data	D,E,F,P
		Demand Responsive Transit Center(s)	Regional ITS Management System	Incident Data	D,E,FP

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N22	Freeway Traffic Management Center	Regional ITS Management System	Incident Data	D,E,F,P
		Decentralized Control Signal Center(s)	Regional ITS Management System	Incident Data	D,E,F,P
		Centralized Control Signal Center(s)	Regional ITS Management System	Incident Data	D,E,F,P
		Broadcast Information Provider(s)	Regional ITS Management System	Incident Data	D,E,F,P
		User Interface Equipment	Regional ITS Management System	Incident Data	D,E,F,P
		Regional ITS Management System	Regional ITS Management System	Incident History	D
		External Information Source(s)	Regional ITS Management System	Link Reference Model	D
		Maintenance Dispatch Center	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Decentralized Control Signal Center(s)	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Freeway Traffic Management Center	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Regional ITS Management System	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N23	Other Transit Management Center(s)	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Centralized Control Signal Center(s)	Division of Emergency Management Center	Incident Acknowledgment	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Incident Data	D,E,F,P
		Freeway Traffic Management Center	Division of Emergency Management Center	Incident Data	D,E,F,P
		Incident Dispatch Center(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		User Interface Equipment	Division of Emergency Management Center	Incident Data	D,E,F,P
		External Information Source(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Regional ITS Management System	Division of Emergency Management Center	Incident Data	D,E,F,P
		Broadcast Information Provider(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Mayday Service Provider(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Maintenance Dispatch Center	Division of Emergency Management Center	Incident Data	D,E,F,P
		State Patrol Dispatch Center	Division of Emergency Management Center	Incident Data	D,E,F,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Incident Data	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N23	Decentralized Control Signal Center(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Centralized Control Signal Center(s)	Division of Emergency Management Center	Incident Data	D,E,F,P
		Inter-Jurisdictional Incident Management System	Division of Emergency Management Center	Incident Data	D,E,F,P
		External Information Source(s)	Division of Emergency Management Center	Link Reference Model	D
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		State Patrol Dispatch Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Incident Dispatch Center(s)	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Freeway Traffic Management Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Division of Emergency Management Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		External Information Source(s)	Division of Emergency Management Center	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Division of Emergency Management Center	Resource Request	D,E,F,P
		Freeway Traffic Management Center	Division of Emergency Management Center	Resource Request	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N23	Incident Dispatch Center(s)	Division of Emergency Management Center	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Division of Emergency Management Center	Resource Request ,	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Resource Request	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Division of Emergency Management Center	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Division of Emergency Management Center	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Incident Dispatch Center(s)	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Freeway Traffic Management Center	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Division of Emergency Management Center	Division of Emergency Management Center	Vehicle Location	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N23	State Patrol Dispatch Center	Division of Emergency Management Center	Vehicle Location	D,E,F,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Vehicle Location ,	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Vehicle Location	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Vehicle Location	D,E,F,P
		Incident Dispatch Center(s)	Division of Emergency Management Center	Vehicle Location	D,E,F,P
	N24	Freeway Traffic Management Center	Division of Emergency Management Center	Vehicle Location	D,E,F,P
		Freeway Roadside Equipment	Freeway Traffic Management Center	Travel Conditions- 1	D
		Freeway Roadside Equipment	Freeway Traffic Management Center	Travel Conditions-2	D
		Emergency Vehicle	Freeway Traffic Management Center	Equipment Status	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Incident Conditions	Cr,D,P
N25		Emergency Vehicle	Freeway Traffic Management Center	Incident Data	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Incident Response Status	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Resource Location	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Resource Request	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N25	Emergency Vehicle	Freeway Traffic Management Center	Signal Pre-emption Request	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Vehicle Location	Cr,D,P
		Emergency Vehicle	Freeway Traffic Management Center	Vehicle Status	Cr,D,P
	N26	Transit Vehicle	Demand Responsive Transit Center(s)	Equipment Status	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Equipment Status	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Equipment Status	Cr,D,P
		Transit Vehicle	Demand Responsive Transit Center(s)	Incident Conditions	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Incident Conditions	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Incident Conditions	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Incident Data	Cr,D,P
		Transit Vehicle	Demand Responsive Transit Center(s)	Incident Data	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Incident Data	Cr,D,P
		Transit Vehicle	Demand Responsive Transit Center(s)	Incident Response Status	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Incident Response Status	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Incident Response Status	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Resource Location	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N26	Transit Vehicle	Demand Responsive Transit Center(s)	Resource Location	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Resource Location	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Resource Request	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Resource Request	Cr,D,P
		Transit Vehicle	Demand Responsive Transit Center(s)	Signal Priority Request	Cr,D,P
		Transit Vehicle	Other Transit Management Center(s)	Signal Priority Request	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Signal Priority Request	Cr,D,P
		Emergency Vehicle	Demand Responsive Transit Center(s)	Equipment Status	Cr,D,P
N27	Emergency Vehicle	Other Transit Management Center(s)	Equipment Status	Cr,D,P	
	Emergency Vehicle	Regional ITS Management Center	Equipment Status	Cr,D,P	
	Emergency Vehicle	Regional ITS Management Center	Incident Conditions	Cr,D,P	
	Emergency Vehicle	Demand Responsive Transit Center(s)	Incident Conditions	Cr,D,P	
	Emergency Vehicle	Other Transit Management Center(s)	Incident Conditions	Cr,D,P	
	Emergency Vehicle	Other Transit Management Center(s)	Incident Data	Cr,D,P	
	Emergency Vehicle	Demand Responsive Transit Center(s)	Incident Data	Cr,D,P	
	Emergency Vehicle	Regional ITS Management Center	Incident Data	Cr,D,P	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N27	Emergency Vehicle	Other Transit Management Center(s)	Incident Response Status	Cr,D,P
		Emergency Vehicle	Regional ITS Management Center	Incident Response Status	Cr,D,P
		Emergency Vehicle	Demand Responsive Transit Center(s)	Incident Response Status	Cr,D,P
		Emergency Vehicle	Regional ITS Management Center	Resource Location	Cr,D,P
		Emergency Vehicle	Other Transit Management Center(s)	Resource Location	Cr,D,P
		Emergency Vehicle	Demand Responsive Transit Center(s)	Resource Location	Cr,D,P
		Emergency Vehicle	Other Transit Management Center(s)	Resource Request	Cr,D,P
		Emergency Vehicle	Regional ITS Management Center	Resource Request	Cr,D,P
		Emergency Vehicle	Other Transit Management Center(s)	Signal Pre-emption Request	Cr,D,P
		Emergency Vehicle	Demand Responsive Transit Center(s)	Signal Pre-emption Request	Cr,D,P
		Emergency Vehicle	Regional ITS Management Center	Signal Pre-emption Request	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Equipment Status	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Incident Conditions	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Incident Data	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Incident Response Status	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Resource Location	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Resource Request	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Signal Priority Request	Cr,D,P
	N28				

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N28	Maintenance Vehicle	Maintenance Dispatch Center	Vehicle Location	Cr,D,P
		Maintenance Vehicle	Maintenance Dispatch Center	Vehicle Status	Cr,D,P
	N29	Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Equipment Status	Cr,D,P
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Resource Location	Cr,D,P
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Resource Request	Cr,D,P
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Signal Pre-emption Request	Cr,D,P
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Vehicle Location	Cr,D,P
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Vehicle Status	Cr,D,P
	N30	Freeway Traffic Management Center	Freeway Roadside Equipment	Equipment Assignments	D,P
		Freeway Traffic Management Center	Freeway Roadside Equipment	Estimated Time of Arrival	D,P
Freeway Traffic Management Center		Freeway Roadside Equipment	Incident Conditions	D,P	
Freeway Traffic Management Center		Freeway Roadside Equipment	Personnel Assignments	D,P	
	Freeway Traffic Management Center	Freeway Roadside Equipment	Response Routes	D,P	
	Freeway Traffic Management Center	Freeway Roadside Equipment	Vehicle Assignments	D,P	
	N31	Freeway Traffic Management Center	Emergency Vehicle	Equipment Assignments	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N31	Freeway Traffic Management Center	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Incident Conditions	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Response Routes	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Freeway Traffic Management Center	Emergency Vehicle	Equipment Assignments	Cr,D,P
	N32	Inter-Jurisdictional Incident Management System	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Conditions	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Response Routes	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Equipment Assignments	Cr,D,P
	N33	Inter-Jurisdictional Incident Management System	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Conditions	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Response Routes	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Equipment Assignments	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N33	Inter-Jurisdictional Incident Management System	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Incident Conditions	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Personnel Assignments	Cr,D,P
	N34	Inter-Jurisdictional Incident Management System	Emergency Vehicle	Response Routes	Cr,D,P
		Inter-Jurisdictional Incident Management System	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Equipment Assignments	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Incident Conditions	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Personnel Assignments	Cr,D,P
		State Patrol Dispatch Center	Emergency Vehicle	Response Routes	Cr,D,P
	N35	State Patrol Dispatch Center	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Equipment Assignments	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Incident Conditions	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Incident Dispatch Center(s)	Emergency Vehicle	Response Routes	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N35	Incident Dispatch Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P
	N36	Centralized Control Signal Center(s)	Centralized Roadside Equipment	Incident Acknowledgment	D,P
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Incident Acknowledgment	D,P
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Travel Conditions- 1	D,P
N37		Centralized Control Signal Center(s)	Centralized Roadside Equipment	Travel Conditions- 1	D,P
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Travel Conditions-2	D,P
		Centralized Control Signal Center(s)	Centralized Roadside Equipment	Travel Conditions-2	D,P
		Other Transit Management Center(s)	Transit Vehicle	Equipment Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Transit Vehicle	Equipment Assignments	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Equipment Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Transit Vehicle	Estimated Time of Arrival	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Estimated Time of Arrival	Cr,D,P
		Other Transit Management Center(s)	Transit Vehicle	Estimated Time of Arrival	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Incident Acknowledgment	Cr,D,P
	Demand Responsive Transit Center(s)	Transit Vehicle	Incident Acknowledgment	Cr,D,P	
	Other Transit Management Center(s)	Transit Vehicle	Incident Acknowledgment	Cr,D,P	

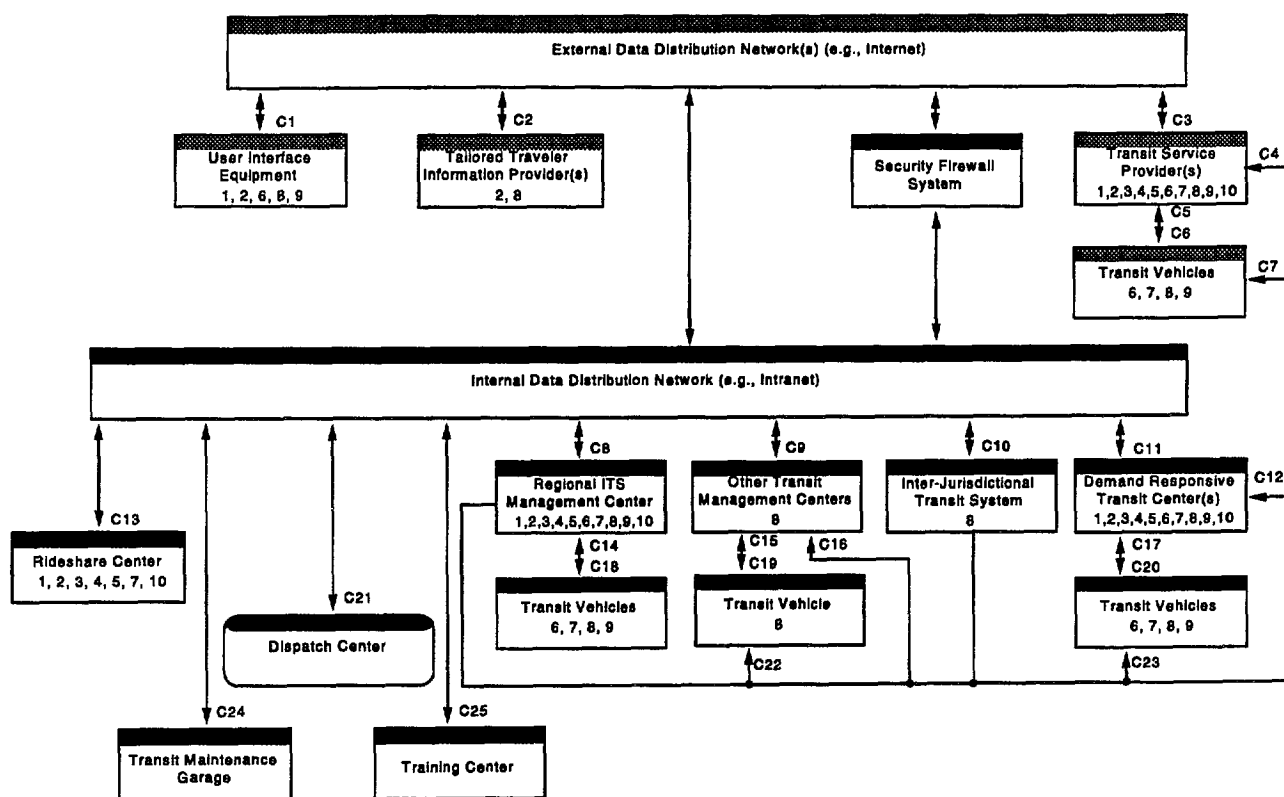
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N37	Demand Responsive Transit Center(s)	Transit Vehicle	Incident Conditions	Cr,D,P
		Other Transit Management Center(s)	Transit Vehicle	Incident Conditions	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Incident Conditions	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Personnel Assignments	Cr,D,P
		Other Transit Management Center(s)	Transit Vehicle	Personnel Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Transit Vehicle	Personnel Assignments	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Response Routes	Cr,D,P
		Other Transit Management Center(s)	Transit Vehicle	Response Routes	Cr,D,P
		Demand Responsive Transit Center(s)	Transit Vehicle	Response Routes	Cr,D,P
		Other Transit Management Center(s)	Transit Vehicle	Vehicle Assignments	Cr,D,P
		Regional ITS Management Center	Transit Vehicle	Vehicle Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Equipment Assignments	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Equipment Assignments	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Equipment Assignments	Cr,D,P
N38		Other Transit Management Center(s)	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N38	Regional ITS Management Center	Emergency Vehicle	Estimated Time of Arrival	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Incident Acknowledgment	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Incident Conditions	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Incident Conditions	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Incident Conditions	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Response Routes	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Response Routes	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Response Routes	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N39	Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Equipment Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Estimated Time of Arrival	Cr,D,P
		Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Incident Conditions	Cr,D,P
		Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Personnel Assignments	Cr,D,P
		Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Response Routes	Cr,D,P
		Inter-Jurisdictional Incident Management System	Maintenance Vehicle	Vehicle Assignments	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Equipment Assignments	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Estimated Time of Arrival	Cr,D,P
	N40	Maintenance Dispatch Center	Maintenance Vehicle	Incident Acknowledgment	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Incident Conditions	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Personnel Assignments	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Response Routes	Cr,D,P
		Maintenance Dispatch Center	Maintenance Vehicle	Vehicle Assignments	Cr,D,P
		Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Travel Conditions- 1	D,P
		Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Travel Conditions-2	D,P
N41	N42	Maintenance Dispatch Center	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		State Patrol Dispatch Center	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Regional ITS Management Center	User Interface Equipment	Incident Acknowledgment	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
IM	N42	Mayday Service Provider(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Centralized Control Signal Center(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Inter-Jurisdictional Incident Management System	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Incident Dispatch Center(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Freeway Traffic Management Center	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Division of Emergency Management Center	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Demand Responsive Transit Center(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Decentralized Control Signal Center(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P
		Other Transit Management Center(s)	User Interface Equipment	Incident Acknowledgment	D,E,F,P

The architecture shown in Figure 88, Ride Matching and Reservation - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Ride Matching and Reservation Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



RMRSPA-h

Figure 88. Ride Matching and Reservation - Physical Architecture

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CO1	Rideshare Center	User Interface Equipment	Rideshare Information	Te,D,E,F
		Demand Responsive Transit Center(s)	User Interface Equipment	Rideshare Information	Te,D,E,F
		Regional ITS Management Center	User Interface Equipment	Rideshare Information	Te,D,E,F
		Transit Service Provider(s)	User Interface Equipment	Rideshare Information	Te,D,E,F
		Transit Service Provider(s)	User Interface Equipment	Rideshare Provider Information	Te,D,E,F
		Rideshare Center	User Interface Equipment	Rideshare Provider Information	Te,D,E,F
		Regional ITS Management Center	User Interface Equipment	Rideshare Provider Information	Te,D,E,F
		Demand Responsive Transit Center(s)	User Interface Equipment	Rideshare Provider Information	Te,D,E,F
	CO2	Regional ITS Management Center	User Interface Equipment	Vehicle Manifest	H
		Demand Responsive Transit Center(s)	User Interface Equipment	Vehicle Manifest	H
		Transit Service Provider(s)	User Interface Equipment	Vehicle Manifest	H
		Rideshare Center	User Interface Equipment	Vehicle Manifest	H
		Transit Service Provider(s)	Tailored Traveler information Provider(s)	Detour Request	D
		Demand Responsive Transit Center(s)	Tailored Traveler Information Provider(s)	Detour Request	i D
CO2		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Detour Request	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
CO2		Demand Responsive Transit Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Demand Responsive Transit Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CO2	Transit Service Provider(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
	CO3	Demand Responsive Transit Center(s)	Transit Service Provider(s)	Demand Responsive Request	D
		Regional ITS Management Center	Transit Service Provider(s)	Demand Responsive Request	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Detour Route	D
		Freeway Traffic Management Center	Transit Service Provider(s)	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Transit Service Provider(s)	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Transit Service Provider(s)	Resource Request	D,E,F,P
		Division of Emergency Management Center	Transit Service Provider(s)	Resource Request	D,E,F,P
		Emergency Vehicle	Transit Service Provider(s)	Resource Request	Cr,D,P
		External Information Source(s)	Transit Service Provider(s)	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Transit Service Provider(s)	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Transit Service Provider(s)	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Transit Service Provider(s)	Resource Request	D,E,F,P
		User Interface Equipment	Transit Service Provider(s)	Rideshare Completions	D
		User Interface Equipment	Transit Service Provider(s)	Rideshare Offer	Te,D,E,F
		Regional ITS Management Center	Transit Service Provider(s)	Rideshare Provider Information	Te,D,E,F
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Rideshare Provider Information	Te,D,E,F

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CO3	User Interface Equipment	Transit Service Provider(s)	Rideshare Request	Te,D,E,F
		Regional ITS Management Center	Transit Service Provider(s)	Schedule Adherence Information	D
		Other Transit Management Center(s)	Transit Service Provider(s)	Schedule Adherence Information	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Schedule Adherence Information	D
		Inter-Jurisdictional Transit System	Transit Service Provider(s)	Transfer Delay Request	D
		Regional ITS Management Center	Transit Service Provider(s)	Transfer Delay Request	D
		Regional ITS Management Center	Transit Service Provider(s)	Transit Route	D
		Other Transit Management Center(s)	Transit Service Provider(s)	Transit Route	D
		Regional ITS Management Center	Transit Service Provider(s)	Transit Route Schedule	D
		Other Transit Management Center(s)	Transit Service Provider(s)	Transit Route Schedule	D
	CO4	Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions-2	D
		Inter-Jurisdictional Transit System	Transit Service Provider(s)	Transfer Delay Request	Cr
		Regional ITS Management Center	Transit Service Provider(s)	Transfer Delay Request	Cr
		Transit Vehicle	Transit Service Provider(s)	Demand Responsive Response	Cr,D
CO5	CO5	Transit Vehicle	Transit Service Provider(s)	Detour Request	Cr
		Transit Vehicle	Transit Service Provider(s)	Resource Request	Cr,D,P
		Transit Vehicle	Transit Service Provider(s)	Rideshare Completions	D
		Transit Vehicle	Transit Service Provider(s)	Vehicle Location	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CO5	Transit Vehicle	Transit Service Provider(s)	Vehicle Parameters	D
	CO6	Transit Service Provider(s)	Transit Vehicle	Demand Responsive Request	Cr,D
		Transit Service Provider(s)	Transit Vehicle	Detour Route	Cr
		Transit Service Provider(s)	Transit Vehicle	Transfer Delay Request	Cr,D
	CO7	Transit Service Provider(s)	Transit Vehicle	Vehicle Manifest	Cr,D
		Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	Cr
		Inter-Jurisdictional Transit System	Transit Vehicle	Transfer Delay Request	Cr
	CO8	Transit Service Provider(s)	Regional ITS Management Center	Demand Responsive Response	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Detour Route	D
		Transit Maintenance Garage	Regional ITS Management Center	Maintenance Completion	D
		Transit Maintenance Garage	Regional ITS Management Center	Maintenance Request	D
		Inter-Jurisdictional Incident Management System	Regional ITS Management Center	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
State Patrol Dispatch Center		Regional ITS Management Center	Resource Request	D,E,F,P	
Freeway Traffic Management Center		Regional ITS Management Center	Resource Request	D,E,F,P	
External Information Source(s)		Regional ITS Management Center	Resource Request	D,E,F,P	
Centralized Control Signal Center(s)		Regional ITS Management Center	Resource Request	D,E,F,P	
Emergency Vehicle		Regional ITS Management Center	Resource Request	Cr,D,P	
Decentralized Control Signal Center(s)		Regional ITS Management Center	Resource Request	D,E,F,P	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	C08	Division of Emergency Management Center	Regional ITS Management Center	Resource Request	D,E,F,P
		User Interface Equipment	Regional ITS Management Center	Rideshare Completions	D
		User Interface Equipment	Regional ITS Management Center	Rideshare Offer	Te,D,E,F
		Transit Service Provider(s)	Regional ITS Management Center	Rideshare Offer	Te,D,E,F
		User Interface Equipment	Regional ITS Management Center	Rideshare Request	Te,D,E,F
		Transit Service Provider(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Other Transit Management Center(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Training Center	Regional ITS Management Center	Training Completion	D
		Training Center	Regional ITS Management Center	Training Request	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions-1	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions-2	D
	CO9	Transit Maintenance Garage	Other Transit Management Center(s)	Maintenance Completion	D
		Transit Maintenance Garage	Other Transit Management Center(s)	Maintenance Request	D
	Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Schedule Adherence Information	D	
	Regional ITS Management Center	Other Transit Management Center(s)	Schedule Adherence Information	D	
	Transit Service Provider(s)	Other Transit Management Center(s)	Schedule Adherence Information	D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CO9	Training Center	Other Transit Management Center(s)	Training Completion	D
		Training Center	Other Transit Management Center(s)	Training Request	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transfer Delay Request	D
		Inter-Jurisdictional Transit System	Other Transit Management Center(s)	Transfer Delay Request	D
	C10	Transit Service Provider(s)	Inter-Jurisdictional Transit System	Schedule Adherence Information	D
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Transit System	Schedule Adherence Information	D
		Other Transit Management Center(s)	Inter-Jurisdictional Transit System	Schedule Adherence Information	D
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Demand Responsive Response	D
	C11	Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Detour Route	D
		Transit Maintenance Garage	Demand Responsive Transit Center(s)	Maintenance Completion	D
		Transit Maintenance Garage	Demand Responsive Transit Center(s)	Maintenance Request	D
		State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		External Information Source(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CI1	Incident Dispatch Center(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Division of Emergency Management Center	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Resource Request	D,E,F,P
		Emergency Vehicle	Demand Responsive Transit Center(s)	Resource Request	Cr,D,P
		User Interface Equipment	Demand Responsive Transit Center(s)	Rideshare Completions	D
		User Interface Equipment	Demand Responsive Transit Center(s)	Rideshare Offer	Te,D,E,F
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Rideshare Offer	Te,D,E,F
		User Interface Equipment	Demand Responsive Transit Center(s)	Rideshare Request	Te,D,E,F
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Schedule Adherence Information	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Schedule Adherence Information	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Schedule Adherence Information	D
		Training Center	Demand Responsive Transit Center(s)	Training Completion	D
		Training Center	Demand Responsive Transit Center(s)	Training Request	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	Cl1	Inter-Jurisdictional Transit System Center(s)	Demand Responsive Transit Center(s)	Transfer Delay Request	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transfer Delay Request	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transit Route	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Transit Route	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Transit Route Schedule	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transit Route Schedule	D
	Cl2	Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions-2	D
		Inter-Jurisdictional Transit System Center(s)	Demand Responsive Transit Center(s)	Transfer Delay Request	Cr
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transfer Delay Request	Cr
Cl3	User Interface Equipment	User Interface Equipment	Rideshare Center	Rideshare Completions	D
		User Interface Equipment	Rideshare Center	Rideshare Offer	Te,D,E,F
		User Interface Equipment	Rideshare Center	Rideshare Request	Te,D,E,F
	Regional ITS Management Center	Regional ITS Management Center	Rideshare Center	Transit Route	D
		Other Transit Management Center(s)	Rideshare Center	Transit Route	D
	Regional ITS Management Center	Regional ITS Management Center	Rideshare Center	Transit Route Schedule	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	CI3	Other Transit Management Center(s)	Rideshare Center	Transit Route Schedule	D
	CI4	Transit Vehicle	Regional ITS Management Center	Demand Responsive Response	Cr,D
		Transit Vehicle	Regional ITS Management Center	Detour Request	Cr
		Transit Vehicle	Regional ITS Management Center	Resource Request	Cr,D,P
		Transit Vehicle	Regional ITS Management Center	Rideshare Completions	D
	CI5	Transit Vehicle	Regional ITS Management Center	Vehicle Location	D
		Transit Vehicle	Regional ITS Management Center	Vehicle Parameters	D
		Transit Vehicle	Other Transit Management Center(s)	Vehicle Location	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transfer Delay Request	Cr
	CI7	Inter-Jurisdictional Transit System	Other Transit Management Center(s)	Transfer Delay Request	Cr
Transit Vehicle		Demand Responsive Transit Center(s)	Demand Responsive Response	Cr,D	
Transit Vehicle		Demand Responsive Transit Center(s)	Detour Request	Cr	
Transit Vehicle		Demand Responsive Transit Center(s)	Resource Request	Cr,D,P	
Transit Vehicle		Demand Responsive Transit Center(s)	Rideshare Completions	D	
CI8	Transit Vehicle	Demand Responsive Transit Center(s)	Vehicle Location	D	
	Transit Vehicle	Demand Responsive Transit Center(s)	Vehicle Parameters	D	
	Regional ITS Management Center	Transit Vehicle	Demand Responsive Request	Cr,D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	C18	Regional ITS Management Center	Transit Vehicle	Detour Route	Cr
		Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	D
		Regional ITS Management Center	Transit Vehicle	Vehicle Manifest	Cr,D
	Cl9	Other Transit Management Center(s)	Transit Vehicle	Transfer Delay Request	D
	c20	Demand Responsive Transit Center(s)	Transit Vehicle	Demand Responsive Request	Cr,D
		Demand Responsive Transit Center(s)	Transit Vehicle	Detour Route	Cr
		Demand Responsive Transit Center(s)	Transit Vehicle	Transfer Delay Request	Cr,D
	c21	Demand Responsive Transit Center(s)	Transit Vehicle	Vehicle Manifest	Cr,D
		Transit Service Provider(s)	External Information Source(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	External Information Source(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Personnel Assignments	DEFPP
		Transit Service Provider(s)	Division of Emergency Management Center	Personnel Assignments	DEFPP
		Regional ITS Management Center	Centralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Decentralized Control Signal Center(s)	Personnel Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	c21	Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Centralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Transit Service Provider(s)	State Patrol Dispatch Center	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Transit Service Provider(s)	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	c21	Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	External Information Source(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	State Patrol Dispatch Center	Vehicle Assignments	DEFFP
		Regional ITS Management Center	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	External Information Source(s)	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Transit Service Provider(s)	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	External Information Source(s)	Vehicle Assignments	D,E,F,P

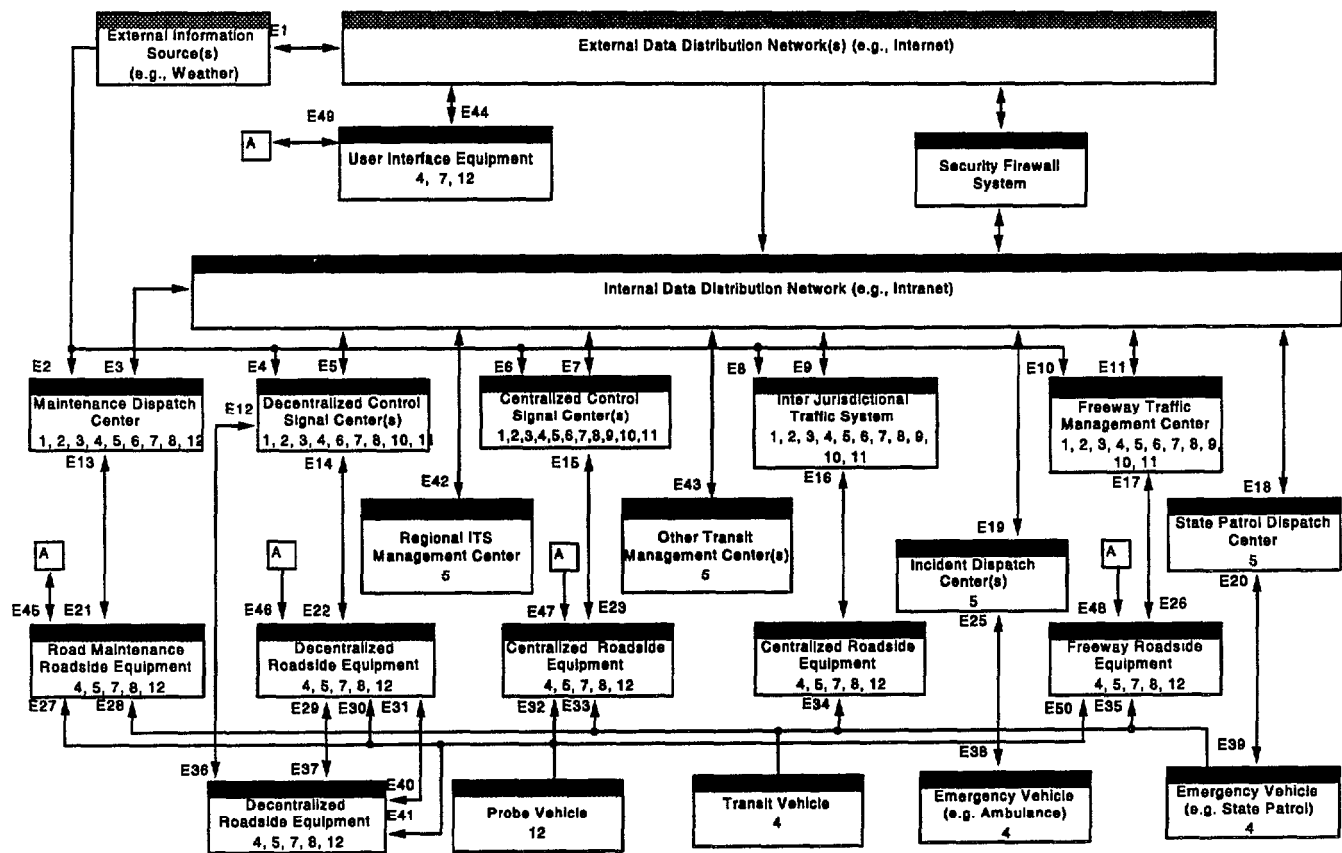
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	c21	Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	External Information Source(s)	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Vehicle Assignments	D,E,F,P
		Transit Service Provider(s)	Incident Dispatch Center(s)	Vehicle Location	D
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Vehicle Location	D

Service	Tatit	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	C2I	Demand Responsive Transit Center(s)	External Information Source(s)	Vehicle Location	D
		Transit Service Provider(s)	Inter-Jurisdictional Incident Management System	Vehicle Location	D
		Transit Service Provider(s)	State Patrol Dispatch Center	Vehicle Location	D
		Demand Responsive Transit Center(s)	Division of Emergency Management Center	Vehicle Location	D
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Vehicle Location	D
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Vehicle Location	D
		Demand Responsive Transit Center(s)	Emergency Vehicle	Vehicle Location	D
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Vehicle Location	D
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Location	D
		Regional ITS Management Center	External Information Source(s)	Vehicle Location	D
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Vehicle Location	D
		Regional ITS Management Center	Emergency Vehicle	Vehicle Location	D
		Regional ITS Management Center	State Patrol Dispatch Center	Vehicle Location	D
		Transit Service Provider(s)	External Information Source(s)	Vehicle Location	D
		Transit Service Provider(s)	Centralized Control Signal Center(s)	Vehicle Location	D
		Transit Service Provider(s)	Freeway Traffic Management Center	Vehicle Location	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	C21	Transit Service Provider(s)	Decentralized Control Signal Center(s)	Vehicle Location	D
		Regional ITS Management Center	Centralized Control Signal Center(s)	Vehicle Location	D
		Transit Service Provider(s)	Division of Emergency Management Center	Vehicle Location	D
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Vehicle Location	D
		Transit Service Provider(s)	Emergency Vehicle	Vehicle Location	D
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Location	D
		Regional ITS Management Center	Freeway Traffic Management Center	Vehicle Location	D
		Demand Responsive Transit Center(s)	Incident Dispatch Center(s)	Vehicle Location	D
		Regional ITS Management Center	Division of Emergency Management Center	Vehicle Location	D
		Inter-Jurisdictional Transit System	Transit Vehicle	Transfer Delay Request	Cr
		Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	Cr
		Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	Cr
		Inter-Jurisdictional Transit System	Transit Vehicle	Transfer Delay Request	Cr
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Assignments	D
C22	C22	Regional ITS Management Center	Transit Maintenance Garage	Vehicle Assignments	D
		Demand Responsive Transit Center(s)	Transit Maintenance Garage	Vehicle Assignments	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Status	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
RMR	C24	Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Status	D
		Demand Responsive Transit Center(s)	Transit Maintenance Garage	Vehicle Status	D
	C25	Other Transit Management Center(s)	Training Center	Personnel Assignments	D
		Regional ITS Management Center	Training Center	Personnel Assignments	D
		Demand Responsive Transit Center(s)	Training Center	Personnel Assignments	D

The architecture shown in Figure 89, Traffic Control - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Traffic Control Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



TCSPA-g

Figure 89. Traffic Control - Physical Architecture

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TC	E01	Maintenance Dispatch Center	External	Information Source(s)	Weather Source Data Request	D
		Inter-Jurisdictional Traffic System	External	Information Source(s)	Weather Source Data Request	D
		Freeway Traffic Management Center	External	Information Source(s)	Weather Source Data Request	D
	E02	Decentralized Control Signal Center(s)	External	Information Source(s)	Weather Source Data Request	D
		Centralized Control Signal Center(s)	External	Information Source(s)	Weather Source Data Request	D
		External Information Source(s)	Maintenance	Dispatch Center	Weather Conditions	Br, Tv
	E03	State Patrol Dispatch Center	Maintenance	Dispatch Center	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Maintenance	Dispatch Center	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Maintenance	Dispatch Center	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Maintenance	Dispatch Center	Incident Conditions	Cr, D, P
		Incident Dispatch Center(s)	Maintenance	Dispatch Center	Incident Response Status	Cr, D, P
		State Patrol Dispatch Center	Maintenance	Dispatch Center	Incident Response Status	Cr, D, P
		User Interface Equipment	Maintenance	Dispatch Center	Manual Override	M
		Tailored Traveler Information Provider(s)	Maintenance	Dispatch Center	Road Surface Surveillance Data	D
		Decentralized Control Signal Center(s)	Maintenance	Dispatch Center	Traffic Conditions	Cr, D, E, F, P
		Freeway Traffic Management Center	Maintenance	Dispatch Center	Traffic Conditions	Cr, D, E, F, P
		Inter-Jurisdictional Traffic System	Maintenance	Dispatch Center	Traffic Conditions	Cr, D, E, F, P
		Centralized Control Signal Center(s)	Maintenance	Dispatch Center	Traffic Conditions	Cr, D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E03	External Information Source(s)	Maintenance Dispatch Center	Traffic Control Requirements	Cr, D, E, F, P
		User Interface Equipment	Maintenance Dispatch Center	Traffic Data	D
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Travel Conditions- 1	D, E, F, P
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Travel Conditions-2	D, E, F, P
		External Information Source(s)	Maintenance Dispatch Center	Weather Conditions	Br, Tv
		External Information Source(s)	Decentralized Control Signal Center(s)	Weather Conditions	Br, Tv
	E04				
	E05	State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Response Status	Cr, D, P
		Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Incident Response Status	Cr,D,P
		User Interface Equipment	Decentralized Control Signal Center(s)	Manual Override	M
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	D
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Signal Pre-emption Request	Cr, D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E05	Incident Dispatch Center(s)	Decentralized Control Signal Center(s)	Signal Pre-emption Request	Cr, D, E, F, P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Signal Priority Request	Cr, D, E, F, P
		Inter-Jurisdictional Traffic System	Decentralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		External Information Source(s)	Decentralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P
		User Interface Equipment	Decentralized Control Signal Center(s)	Traffic Data	D
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Travel Conditions- 1	D, E, F, P
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Travel Conditions-2	D, E, F, P
		External Information Source(s)	Decentralized Control Signal Center(s)	Weather Conditions	Br, Tv
	E06	External Information Source(s)	Centralized Control Signal Center(s)	Weather Conditions	Br, Tv
	E07	State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Incident Acknowledgment	Cr, D, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E07	Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Conditions	Cr, D, P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Incident Response Status	Cr, D, P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Response Status	Cr, D, P
		User Interface Equipment	Centralized Control Signal Center(s)	Manual Override	M
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Road Surface Surveillance Data	D
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Signal Pre-emption Request	Cr, D, E, F, P
		Incident Dispatch Center(s)	Centralized Control Signal Center(s)	Signal Pre-emption Request	Cr, D, E, F, P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Signal Priority Request	Cr, D, E, F, P
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Inter-Jurisdictional Traffic System	Centralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Traffic Conditions	Cr, D, E, F, P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E07	Regional ITS Management Center	Decentralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P
		External Information Source(s)	Centralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Traffic Control Requirements	Cr, D, E, F, P
		User Interface Equipment	Centralized Control Signal Center(s)	Traffic Data	D
	E08	Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Travel Conditions-1	D, E, F, P
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Travel Conditions-2	D, E, F, P
		External Information Source(s)	Centralized Control Signal Center(s)	Weather Conditions	Br, Tv
		External Information Source(s)	Inter-Jurisdictional Traffic System	Weather Conditions	Br, Tv
		State Patrol Dispatch Center	Inter-Jurisdictional Traffic System	Incident Acknowledgment	Cr, D, P
	E09	Incident Dispatch Center(s)	Inter-Jurisdictional Traffic System	Incident Acknowledgment	Cr, D, P
		Incident Dispatch Center(s)	Inter-Jurisdictional Traffic System	Incident Conditions	Cr,D,P
		State Patrol Dispatch Center	Inter-Jurisdictional Traffic System	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Inter-Jurisdictional Traffic System	Incident Response Status	Cr, D, P
		Incident Dispatch Center(s)	Inter-Jurisdictional Traffic System	Incident Response Status	Cr, D, P
		User Interface Equipment	Inter-Jurisdictional Traffic System	Manual Override	M
		State Patrol Dispatch Center	Inter-Jurisdictional Traffk System	Signal Pre-emption Request	Cr, D, E, F, P
		Incident Dispatch Center(s)	Inter-Jurisdictional Traffk System	Signal Pre-emption Request	Cr, D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E09	Regional ITS Management Center	Inter-Jurisdictional Traffic System	Signal Priority Request	Cr, D, E, F, P
		Freeway Traffic Management Center	Inter-Jurisdictional Traffic System	Traffic Conditions	Cr, D, E, F, P
		Maintenance Dispatch Center	Inter-Jurisdictional Traffic System	Traffic Conditions	Cr, D, E, F, P
		Centralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Traffic Conditions	Cr, D, E, F, P
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Traffic Conditions	Cr, D, E, F, P
		Centralized Roadside Equipment	Inter-Jurisdictional Traffic System	Traffic Data	D
		Centralized Roadside Equipment	Inter-Jurisdictional Traffic System	Traffic Surveillance Data	D
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Traffic System	Travel Conditions- 1	D, E F, P
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Traffic System	Travel Conditions-2	D, E, F, P
		External Information Source(s)	Inter-Jurisdictional Traffic System	Weather Conditions	Br, Tv
E10		External Information Source(s)	Freeway Traffic Management Center	Weather Conditions	Br, Tv
		State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Acknowledgment	Cr, D, P
E11		Incident Dispatch Center(s)	Freeway Traffic Management Center	Incident Acknowledgment	Cr, D, P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Conditions	Cr, D, P
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Incident Conditions	Cr, D, P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Response Status	Cr, D, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E11	Incident Dispatch Center(s)	Freeway Traffic Management Center	Incident Response Status	Cr, D, P
		User Interface Equipment	Freeway Traffic Management Center	Manual Override	M
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Road Surface Surveillance Data	D
		Incident Dispatch Center(s)	Freeway Traffic Management Center	Signal Pre-emption Request	Cr, D, E, F, P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Signal Pre-emption Request	Cr, D, E, F, P
		Regional ITS Management Center	Freeway Traffic Management Center	Signal Priority Request	Cr, D, E, F, P
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Signal Timing Plan	D
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Signing Plan	D
		Maintenance Dispatch Center	Freeway Traffic Management Center	Traffic Conditions	Cr, D, E, F, P
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Traffic Conditions	Cr, D, E, F, P
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Conditions	Cr, D, E, F, P
		Centralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Conditions	Cr, D, E, F, P
		Regional ITS Management Center	Freeway Traffic Management Center	Traffic Control Requirements	Cr, D, E, F, P
		External Information Source(s)	Freeway Traffic Management Center	Traffic Control Requirements	Cr, D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E11	Other Transit Management Center{ s}	Freeway Traffic Management Center	Traffic Control Requirements	Cr, D, E, F, P
		User Interface Equipment	Freeway Traffic Management Center	Traffic Data	D
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Travel Conditions- 1	D, E, F, P
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Travel Conditions-2	D, E, F, P
		External Information Source(s)	Freeway Traffic Management Center	Weather Conditions	Br, Tv
E12		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Road Surface Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Surveillance Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Road Surface Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Data	D
E13		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Surveillance Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Surveillance Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Surveillance Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Surveillance Data	D
		Road Maintenance Roadside Equipment	Maintenance Dispatch Center	Traffic Surveillance Data	D
E14		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Road Surface Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Data	D
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Data	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E15	Centralized Roadside Equipment	Centralized Control Signal Center(s)	Road Surface Data	D
		Centralized Roadside Equipment	Centralized Control Signal Center(s)	T r a f f i c D a t a	D
		Centralized Roadside Equipment	Centralized Control Signal Center(s)	Traffic Surveillance Data	D
	E16	Centralized Roadside Equipment	Inter-Jurisdictional Traffic System	Road Surface Data	D
		Centralized Roadside Equipment	Inter-Jurisdictional Traffic System	Traffic Data	D
		Centralized Roadside Equipment	Inter-Jurisdictional Traffic System	Traffic Surveillance Data	D
	E17	Freeway Roadside Equipment	Freeway Traffic Management Center	Road Surface Data	D
		Freeway Roadside Equipment	Freeway Traffic Management Center	Traffic Data	D
		Freeway Roadside Equipment	Freeway Traffic Management Center	Traffic Surveillance Data	D
	E18	Maintenance Dispatch Center	State Patrol Dispatch Center	Incident Data	Cr, D, P
Inter-Jurisdictional Traffic System		State Patrol Dispatch Center	Incident Data	Cr, D, P	
Freeway Traffic Management Center		State Patrol Dispatch Center	Incident Data	Cr, D, P	
E19	Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Data	Cr, D, P	
	Centralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Data	Cr, D, P	
	Decentralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Data	Cr, D, P	
	Centralized Control Signal Center(s)	Incident Dispatch Center(s)	Incident Data	Cr, D, P	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E19	Freeway Traffic Management Center	Incident Dispatch Center(s)	Incident Data	Cr, D, P
		Inter-Jurisdictional Traffic System	Incident Dispatch Center(s)	Incident Data	Cr, D, P
		Maintenance Dispatch Center	Incident Dispatch Center(s)	Incident Data	Cr, D, P
	E20	Emergency Vehicle	State Patrol Dispatch Center	Incident Data	Cr, D, P
	E21	Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Signal Timing Plan	D
		Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Signing Plan	D
		Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Traffic Surveillance Control	D
	E22	Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Signal Timing Plan	D
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Signing Plan	D
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Traffic Surveillance Control	D
	E23	Centralized Control Signal Center(s)	Centralized Roadside Equipment	Signal Timing Plan	D
		Centralized Control Signal Center(s)	Centralized Roadside Equipment	Signing Plan	D
		Centralized Control Signal Center(s)	Centralized Roadside Equipment	Traffic Surveillance Control	D
	E24	Inter-Jurisdictional Traffic System	Centralized Roadside Equipment	Signal Timing Plan	D
		Inter-Jurisdictional Traffic System	Centralized Roadside Equipment	Signing Plan	D
		Inter-Jurisdictional Traffic System	Centralized Roadside Equipment	Traffic Surveillance Control	D
	E25	Emergency Vehicle	Incident Dispatch Center(s)	Incident Data	Cr, D, P

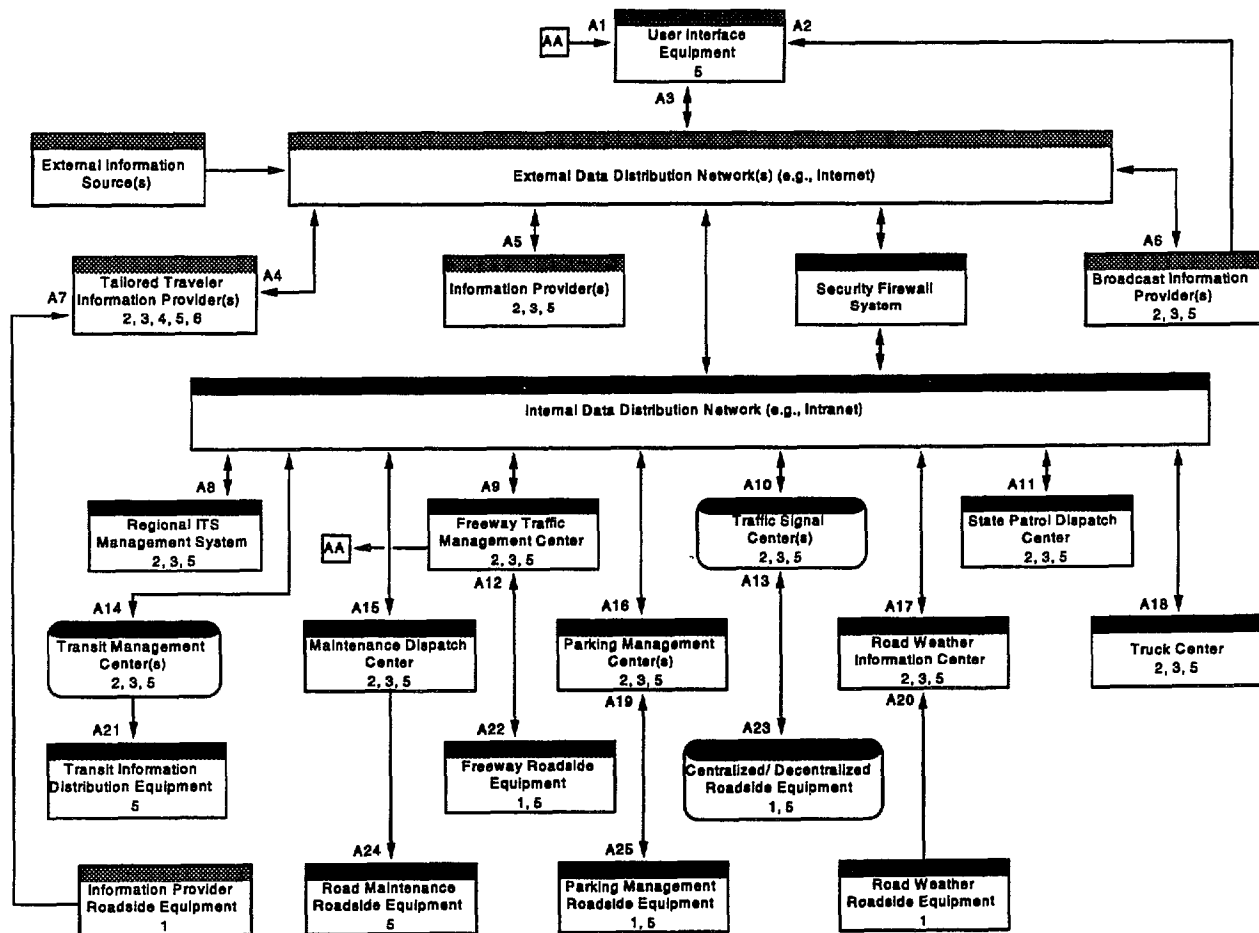
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E26	Freeway Traffic Management Center	Freeway Roadside Equipment	Signal Timing Plan	D
		Freeway Traffic Management Center	Freeway Roadside Equipment	Signing Plan	D
		Freeway Traffic Management Center	Freeway Roadside Equipment	Traffic Surveillance Control	D
	E27	Probe Vehicle	Road Maintenance Roadside Equipment	, Traffic Data	D
	E28	Emergency Vehicle	Road Maintenance Roadside Equipment	Signal Pre-emption Request	S
		Transit Vehicle	Road Maintenance Roadside Equipment	Signal Priority Request	S
	E29	Decentralized Roadside Equipment	Decentralized Roadside Equipment	Road Surface Data	D
		Decentralized Roadside Equipment	Decentralized Roadside Equipment	Traffic Data	D
		Decentralized Roadside Equipment	Decentralized Roadside Equipment	Traffic Surveillance Data	D
	E30	Probe Vehicle	Decentralized Roadside Equipment	Traffic Data	D
	E31	Emergency Vehicle	Decentralized Roadside Equipment	Signal Pre-emption Request	S
		Transit Vehicle	Decentralized Roadside Equipment	Signal Priority Request	S
	E32	Emergency Vehicle	Centralized Roadside Equipment	Signal Pre-emption Request	S
		Transit Vehicle	Centralized Roadside Equipment	Signal Priority Request	S
	E33	Probe Vehicle	Centralized Roadside Equipment	Traffic Data	D
		Emergency Vehicle	Centralized Roadside Equipment	Signal Pre-emption Request	S
	E34	Emergency Vehicle	Centralized Roadside Equipment	Signal Pre-emption Request	S

Service	Tag	Source Component	Destination	Component	Data Flow	Name	Interface Type
TC	E34	Transit Vehicle	Centralized Roadside Equipment	Signal Priority Request	S		
	E35	Emergency Vehicle	Freeway Roadside Equipment	Signal Pre-emption Request	S		
		Transit Vehicle	Freeway Roadside Equipment	Signal Priority Request	S		
	E36	Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Signal Timing Plan	D		
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Signing Plan	D		
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Traffic Surveillance Control	D		
	E37	Decentralized Roadside Equipment	Decentralized Roadside Equipment	Signal Timing Plan	D		
		Decentralized Roadside Equipment	Decentralized Roadside Equipment	Signing Plan	D		
		Decentralized Roadside Equipment	Decentralized Roadside Equipment	Traffic Surveillance Control	D		
	E40	Transit Vehicle	Decentralized Roadside Equipment	Signal Priority Request	S		
	E41	Probe Vehicle	Decentralized Roadside Equipment	Traffic Data	D		
	E42	Emergency Vehicle	Decentralized Roadside Equipment	Signal Pre-emption Request	S		
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Signal Timing Plan	D		
		Centralized Control Signal Center(s)	Regional ITS Management Center	Signal Timing Plan	D		
		Inter-Jurisdictional Traffic System	Regional ITS Management Center	Signal Timing Plan	D		
		Freeway Traffic Management Center	Regional ITS Management Center	Signal Timing Plan	D		
		Centralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	V		

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E42	Decentralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	V
		Freeway Traffic Management Center	Regional ITS Management Center	Traffic Surveillance Data	V
		Inter-Jurisdictional Traffic System	Regional ITS Management Center	Traffic Surveillance Data	V
		Maintenance Dispatch Center	Regional ITS Management Center	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Signal Timing Plan	V
	E43	Centralized Control Signal Center(s)	Other Transit Management Center(s)	Signal Timing Plan	V
		Freeway Traffic Management Center	Other Transit Management Center(s)	Signal Timing Plan	V
		Freeway Traffic Management Center	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	V
	E44	Centralized Roadside Equipment	User Interface Equipment	Traffic Message	S
		Freeway Roadside Equipment	User Interface Equipment	Traffic Message	S
		Decentralized Roadside Equipment	User Interface Equipment	Traffic Message	S
		User Interface Equipment	Road Maintenance Roadside Equipment	Manual Override	M

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TC	E45	User Interface Equipment	Road Maintenance Roadside Equipment	Traffic Data	D
	E46	User Interface Equipment	Decentralized Roadside Equipment	Manual Override	M
		User Interface Equipment	Decentralized Roadside Equipment	Traffic Data	D
	E47	User Interface Equipment	Centralized Roadside Equipment	Manual Override	M
		User Interface Equipment	Centralized Roadside Equipment	Traffic Data	D
	E48	User Interface Equipment	Freeway Roadside Equipment	Manual Override	M
		User Interface Equipment	Freeway Roadside Equipment	Traffic Data	D
	E49	Road Maintenance Roadside Equipment	User Interface Equipment	Traffic Message	S
	E50	Probe Vehicle	Freeway Roadside Equipment	Traffic Data	D

The architecture shown in Figure 90, Travel Conditions Information - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Travel Conditions Information Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



TCISPHYS-c

Figure 90. Travel Conditions Information - Physical Architecture

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TCI	A01	Freeway Traffic Management Center	User Interface Equipment		Travel Conditions- I	Br
		Freeway Traffic Management Center	User Interface Equipment		Travel Conditions-2	Br
	A02	Broadcast Information Provider(s)	User Interface Equipment		Travel Conditions- 1	D, Br, Tv
		Broadcast Information Provider(s)	User Interface Equipment		Travel Conditions-2	D, Br, Tv
	A03	Centralized Control Signal Center(s)	User Interface Equipment		Travel Conditions- 1	P
		Decentralized Control Signal Center(s)	User Interface Equipment		Travel Conditions- 1	P
		Tailored Traveler Information Provider(s)	User Interface Equipment		Travel Conditions- 1	D, Te, F, E
		Truck Center	User Interface Equipment		Travel Conditions- 1	P
		State Patrol Dispatch Center	User Interface Equipment		Travel Conditions- 1	P
		Regional ITS Management Center	User Interface Equipment		Travel Conditions- 1	P
		Other Transit Management Center(s)	User Interface Equipment		Travel Conditions-1	P
		Maintenance Dispatch Center	User Interface Equipment		Travel Conditions- I	P
		Information Provider(s)	User Interface Equipment		Travel Conditions-1	D
		Freeway Traffic Management Center	User Interface Equipment		Travel Conditions- 1	P
		Truck Center	User Interface Equipment		Travel Conditions-2	P
		Maintenance Dispatch Center	User Interface Equipment		Travel Conditions-2	P
		Other Transit Management Center(s)	User Interface Equipment		Travel Conditions-2	P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A03	Freeway Traffic Management Center	User Interface Equipment	Travel Conditions-2	P
		Regional ITS Management Center	User Interface Equipment	Travel Conditions-2	P
		State Patrol Dispatch Center	User Interface Equipment	Travel Conditions-2	P
		Tailored Traveler Information Provider(s)	User Interface Equipment	Travel Conditions-2	D, Te, F, E
		Centralized Control Signal Center(s)	User Interface Equipment	Travel Conditions-2	P
		Decentralized Control Signal Center(s)	User Interface Equipment	Travel Conditions-2	P
		Information Provider(s)	User Interface Equipment	Travel Conditions-2	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Incident Conditions	D
		External Information Source(s)	Tailored Traveler Information Provider(s)	Link Reference Model	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Parking Conditions	D
A04		Regional ITS Management System	Tailored Traveler Information Provider(s)	Planned Event Information	D
		External Information Source(s)	Tailored Traveler Information Provider(s)	Planned Event Information	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	Planned Event Information	P
		User Interface Equipment	Tailored Traveler Information Provider(s)	Road Surface Conditions	P
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A04	External Information Source(s)	Tailored Traveler Information Provider(s)	Road Surface Conditions	D
		Freeway Traffic Management Center	Tailored Traveler Information Provider(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Traffic Conditions	Cr
		Freeway Traffic Management Center	Tailored Traveler Information Provider(s)	Traffic Conditions	Cr, F
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Traffic Conditions	D
		Centralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Traffic Conditions	Cr
		Decentralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Traffic Surveillance Data	V
		Freeway Traffic Management Center	Tailored Traveler Information Provider(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Traffic Surveillance Data	V
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Transit Conditions	D
		Transit Service Provider(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A04	Road Weather Information Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		State Patrol Dispatch Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	Travel Conditions Request	D, Te, F, E
		Truck Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Parking Management Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Centralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Decentralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Demand Responsive Transit Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Freeway Traffic Management Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Inter-Jurisdictional Traffic System	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Maintenance Dispatch Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Other Transit Management Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Travel Effects Rules	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Trip Alternative Rules	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type	
TCI	A04	External Information Source(s)	Tailored Traveler Information Provider(s)	Trip Alternative Rules	D	
		External Information Source(s)	Tailored Traveler Information Provider(s)	Weather Conditions	D	
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Weather Conditions	D	
		Freeway Traffic Management Center	Tailored Traveler Information Provider(s)	Weather Surveillance Data	V	
		Decentralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Weather Surveillance Data	V	
		Centralized Control Signal Center(s)	Tailored Traveler Information Provider(s)	Weather Surveillance Data	V	
		Regional ITS Management System	Information Provider(s)	Incident Conditions	D	
		External Information Source(s)	Information Provider(s)	Link Reference Model	D	
		Regional ITS Management System	Information Provider(s)	Parking Conditions	D	
A05		User Interface Equipment	Information Provider(s)	Planned Event Information	P	
		Regional ITS Management System	Information Provider(s)	Planned Event Information	D	
		External Information Source(s)	Information Provider(s)	Planned Event Information	D	
		User Interface Equipment	Information Provider(s)	Road Surface Conditions	P	
		Regional ITS Management System	Information Provider(s)	Road Surface Conditions	D	
		External Information Source(s)	Information Provider(s)	Road Surface Conditions	D	
		Centralized Control Signal Center(s)	Information Provider(s)	Road Surface Surveillance Data	V	
		Tailored Traveler Information Provider(s)	Information Provider(s)	Road Surface Surveillance Data	V	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A05	Decentralized Control Signal Center(s)	Information Provider(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Information Provider(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Information Provider(s)	Traffic Conditions	Cr, F
		Centralized Control Signal Center(s)	Information Provider(s)	Traffic Conditions	Cr
		Decentralized Control Signal Center(s)	Information Provider(s)	Traffic Conditions	Cr
		Regional ITS Management System	Information Provider(s)	Traffic Conditions	D
		Freeway Traffic Management Center	Information Provider(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Information Provider(s)	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Information Provider(s)	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Information Provider(s)	Traffic Surveillance Data	V
		Regional ITS Management System	Information Provider(s)	Transit Conditions	D
		User Interface Equipment	Information Provider(s)	Travel Conditions Request	D
		External Information Source(s)	Information Provider(s)	Weather Conditions	D
		Regional ITS Management System	Information Provider(s)	Weather Conditions	D
		Tailored Traveler Information Provider(s)	Information Provider(s)	Weather Surveillance Data	V
		Freeway Traffic Management Center	Information Provider(s)	Weather Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A05	Decentralized Control Signal Center(s)	Information Provider(s)	Weather Surveillance Data	V
		Centralized Control Signal Center(s)	Information Provider(s)	Weather Surveillance Data	V
	A06	Regional ITS Management System	Broadcast Information Provider(s)	Incident Conditions	D
		Regional ITS Management System	Broadcast Information Provider(s)	Parking Conditions	D
		Regional ITS Management System	Broadcast Information Provider(s)	Planned Event Information	D
		User Interface Equipment	Broadcast Information Provider(s)	Planned Event Information	P
		External Information Source(s)	Broadcast Information Provider(s)	Planned Event Information	D
		Regional ITS Management System	Broadcast Information Provider(s)	Road Surface Conditions	D
		User Interface Equipment	Broadcast Information Provider(s)	Road Surface Conditions	P
		External Information Source(s)	Broadcast Information Provider(s)	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Broadcast Information Provider(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Broadcast Information Provider(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Broadcast Information Provider(s)	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Broadcast Information Provider(s)	Road Surface Surveillance Data	D
		Freeway Traffic Management Center	Broadcast Information Provider(s)	Traffic Conditions	Cr, F
		Decentralized Control Signal Center(s)	Broadcast Information Provider(s)	Traffic Conditions	Cr
		Centralized Control Signal Center(s)	Broadcast Information Provider(s)	Traffic Conditions	Cr

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A06	Regional ITS Management System	Broadcast Information Provider(s)	Traffic Conditions	D
		Freeway Traffic Management Center	Broadcast Information Provider(s)	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Broadcast Information Provider(s)	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Broadcast Information Provider(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Broadcast Information Provider(s)	Traffic Surveillance Data	V
		Regional ITS Management System	Broadcast Information Provider(s)	Transit Conditions	D
		External Information Source(s)	Broadcast Information Provider(s)	Weather Conditions	D
		Regional ITS Management System	Broadcast Information Provider(s)	Weather Conditions	D
		Freeway Traffic Management Center	Broadcast Information Provider(s)	Weather Surveillance Data	V
		Decentralized Control Signal Center(s)	Broadcast Information Provider(s)	Weather Surveillance Data	V
A07		Tailored Traveler Information Provider(s)	Broadcast Information Provider(s)	Weather Surveillance Data	V
		Centralized Control Signal Center(s)	Broadcast Information Provider(s)	Weather Surveillance Data	V
		Information Provider Roadside Equipment	Tailored Traveler Information Provider(s)	Road Surface Surveillance Data	V
		Information Provider Roadside Equipment	Tailored Traveler Information Provider(s)	Traffic Surveillance Data	V
		Information Provider Roadside Equipment	Tailored Traveler Information Provider(s)	Weather Surveillance Data	V
A08		State Patrol Dispatch Center	Regional ITS Management System	Incident Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A08	External Information Source(s)	Regional ITS Management System	Link Reference Model	D
		Parking Management Center(s)	Regional ITS Management System	Parking Conditions	D
		Maintenance Dispatch Center	Regional ITS Management System	Planned Event Information	D
		External Information Source(s)	Regional ITS Management System	Planned Event Information	D
		State Patrol Dispatch Center	Regional ITS Management System	Road Surface Conditions	D
		External Information Source(s)	Regional ITS Management System	Road Surface Conditions	D
		Freeway Traffic Management Center	Regional ITS Management System	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Regional ITS Management System	Road Surface Conditions	D
		Road Weather Information Center	Regional ITS Management System	Road Surface Conditions	D
		Other Transit Management Center(s)	Regional ITS Management System	Road Surface Conditions	D
		Regional ITS Management Center	Regional ITS Management System	Road Surface Conditions	D
		Maintenance Dispatch Center	Regional ITS Management System	Road Surface Conditions	D
		Transit Service Provider(s)	Regional ITS Management System	Road Surface Conditions	D
		Truck Center	Regional ITS Management System	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Regional ITS Management System	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Regional ITS Management System	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Regional ITS Management System	Road Surface Conditions	D
		Road Weather Information Center	Regional ITS Management System	Road Surface Surveillance Data	D
		Inter-Jurisdictional Traffic System	Regional ITS Management System	Traffic Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A08	Freeway Traffic Management Center	Regional ITS Management System	Traffic Conditions	D
		Centralized Control Signal Center(s)	Regional ITS Management System	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Regional ITS Management System	Traffic Conditions	D
		Centralized Control Signal Center(s)	Regional ITS Management System	Traffic Surveillance Data	D
		Freeway Traffic Management Center	Regional ITS Management System	Traffic Surveillance Data	D
		Decentralized Control Signal Center(s)	Regional ITS Management System	Traffic Surveillance Data	D
		Demand Responsive Transit Center(s)	Regional ITS Management System	Transit Conditions	D
		Regional ITS Management Center	Regional ITS Management System	Transit Conditions	D
		Other Transit Management Center(s)	Regional ITS Management System	Transit Conditions	D
		Transit Service Provider(s)	Regional ITS Management System	Transit Conditions	D
		Tailored Traveler Information Provider(s)	Regional ITS Management System	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Regional ITS Management System	Travel Conditions-2	D
		Truck Center	Regional ITS Management System	Travel Effects Rules	D
		Other Transit Management Center(s)	Regional ITS Management System	Travel Effects Rules	D
		Regional ITS Management Center	Regional ITS Management System	Travel Effects Rules	D
		Maintenance Dispatch Center	Regional ITS Management System	Travel Effects Rules	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A08	Centralized Control Signal Center(s)	Regional ITS Management System	Travel Effects Rules	D
		Freeway Traffic Management Center	Regional ITS Management System	Travel Effects Rules	D
		Decentralized Control Signal Center(s)	Regional ITS Management System	Travel Effects Rules	D
		State Patrol Dispatch Center	Regional ITS Management System	Travel Effects Rules	D
		Other Transit Management Center(s)	Regional ITS Management System	Trip Alternative Rules	D
		Truck Center	Regional ITS Management System	Trip Alternative Rules	D
		Centralized Control Signal Center(s)	Regional ITS Management System	Trip Alternative Rules	D
		Decentralized Control Signal Center(s)	Regional ITS Management System	Trip Alternative Rules	D
		Freeway Traffic Management Center	Regional ITS Management System	Trip Alternative Rules	D
		Regional ITS Management Center	Regional ITS Management System	Trip Alternative Rules	D
		State Patrol Dispatch Center	Regional ITS Management System	Trip Alternative Rules	D
		Maintenance Dispatch Center	Regional ITS Management System	Trip Alternative Rules	D
		External Information Source(s)	Regional ITS Management System	Weather Conditions	D
		Road Weather Information Center	Regional ITS Management System	Weather Conditions	D
A09	Road Weather Information Center	Regional ITS Management System	Weather Surveillance Data	D	
	State Patrol Dispatch Center	Freeway Traffic Management Center	Incident Conditions	D	
	User Interface Equipment	Freeway Traffic Management Center	Incident Conditions	P	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A09	External Information Source(s)	Freeway Traffic Management Center	Link Reference Model	D
		External Information Source(s)	Freeway Traffic Management Center	Planned Event Information	D
		User Interface Equipment	Freeway Traffic Management Center	Planned Event Information	P
		Maintenance Dispatch Center	Freeway Traffic Management Center	Planned Event Information	D
		Maintenance Dispatch Center	Freeway Traffic Management Center	Road Surface Conditions	D
		Other Transit Management Center(s)	Freeway Traffic Management Center	Road Surface Conditions	D
		Regional ITS Management Center	Freeway Traffic Management Center	Road Surface Conditions	D
		User Interface Equipment	Freeway Traffic Management Center	Road Surface Conditions	P
		State Patrol Dispatch Center	Freeway Traffic Management Center	Road Surface Conditions	D
		Truck Center	Freeway Traffic Management Center	Road Surface Conditions	D
		External Information Source(s)	Freeway Traffic Management Center	Road Surface Conditions	D
		Road Weather Information Center	Freeway Traffic Management Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A09	Centralized Control Signal Center(s)	Freeway Traffic Management Center	Road Surface Conditions	D, Cr
		Demand Responsive Transit Center(s)	Freeway Traffic Management Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Road Surface Surveillance Data	V, D
		Centralized Control Signal Center(s)	Freeway Traffic Management Center	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Road Surface Surveillance Data	V
		Road Weather Information Center	Freeway Traffic Management Center	Road Surface Surveillance Data	D
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Conditions	D, Cr
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Traffic Conditions	D
		Centralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Conditions	D, Cr
		Inter-Jurisdictional Traffic System	Freeway Traffic Management Center	Traffic Surveillance Data	D
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Surveillance Data	V,D
		Centralized Control Signal Center(s)	Freeway Traffic Management Center	Traffic Surveillance Data	V, D
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Traffic Surveillance Data	V
		User Interface Equipment	Freeway Traffic Management Center	Travel Conditions Request	P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A09	Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Travel Conditions-2	D
		External Information Source(s)	Freeway Traffic Management Center	Weather Conditions	D
		Road Weather Information Center	Freeway Traffic Management Center	Weather Conditions	D
	A10	Centralized Control Signal Center(s)	Freeway Traffic Management Center	Weather Surveillance Data	V
		Road Weather Information Center	Freeway Traffk Management Center	Weather Surveillance Data	D
		Decentralized Control Signal Center(s)	Freeway Traffic Management Center	Weather Surveillance Data	V
		Tailored Traveler Information Provider(s)	Freeway Traffic Management Center	Weather Surveillance Data	V
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Incident Conditions	D
		User Interface Equipment	Centralized Control Signal Center(s)	Incident Conditions	P
		User Interface Equipment	Decentralized Control Signal Center(s)	Incident Conditions	P
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Incident Conditions	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Incident Conditions	D
		State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Incident Conditions	D
		State Patrol Dispatch Center	Inter-Jurisdictional Traffk System	Incident Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	External Information Source(s)	Centralized Control Signal Center(s)	Link Reference Model	D
		External Information Source(s)	Decentralized Control Signal Center(s)	Link Reference Model	D
		External Information Source(s)	Inter-Jurisdictional Traffic System	Link Reference Model	D
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Planned Event Information	D
		External Information Source(s)	Inter-Jurisdictional Traffic System	Planned Event Information	D
		Maintenance Dispatch Center	Inter-Jurisdictional Traffic System	Planned Event Information	D
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Planned Event Information	D
		External Information Source(s)	Decentralized Control Signal Center(s)	Planned Event Information	D
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Planned Event Information	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Planned Event Information	D
		User Interface Equipment	Decentralized Control Signal Center(s)	Planned Event Information	P
		User Interface Equipment	Centralized Control Signal Center(s)	Planned Event Information	P;
		External Information Source(s)	Centralized Control Signal Center(s)	Planned Event Information	D
		Centralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Road Surface Conditions	D, Cr

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Road Surface Conditions	D, Cr
		Regional ITS Management Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Maintenance Dispatch Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Freeway Traffic Management Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D,Cr
		Maintenance Dispatch Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		State Patrol Dispatch Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Truck Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Truck Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Truck Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		User Interface Equipment	Decentralized Control Signal Center(s)	Road Surface Conditions	P
		User Interface Equipment	Centralized Control Signal Center(s)	Road Surface Conditions	P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	State Patrol Dispatch Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Maintenance Dispatch Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Road Weather Information Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Road Weather Information Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Regional ITS Management Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Other Transit Management Center(s)	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Road Surface Conditions	D
		State Patrol Dispatch Center	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		External Information Source(s)	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Road Surface Conditions	D, Cr
		Demand Responsive Transit Center(s)	Centralized Control Signal Center(s)	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Inter-Jurisdictional Traffic System	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	External Information Source(s)	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		External Information Source(s)	Inter-Jurisdictional Traffic System	Road Surface Conditions	D
		Road Weather Information Center	Decentralized Control Signal Center(s)	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Road Surface Conditions	D, Cr
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Road Weather Information Center	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	D
		Road Weather Information Center	Inter-Jurisdictional Traffic System	Road Surface Surveillance Data	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Road Weather Information Center	Centralized Control Signal Center(s)	Road Surface Surveillance Data	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Centralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Traffic Conditions	D
		Inter-Jurisdictional Traffic System Center(s)	Centralized Control Signal Center(s)	Traffic Conditions	D
		Inter-Jurisdictional Traffic System Center(s)	Decentralized Control Signal Center(s)	Traffic Conditions	D
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Freeway Traffic Management Center	Inter-Jurisdictional Traffic System	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Traffic Conditions	D, Cr
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Traffic Conditions	D
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Traffic Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	Centralized Control Signal Center(s)	Inter-Jurisdictional Traffk System	Traffic Surveillance Data	D
		Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Decentralized Control Signal Center(s)	Inter-Jurisdictional Traffic System	Traffic Surveillance Data	D
		Freeway Traffic Management Center	Inter-Jurisdictional Traffic System	Traffic Surveillance Data	D
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		User Interface Equipment	Decentralized Control Signal Center(s)	Travel Conditions Request	P
		User Interface Equipment	Centralized Control Signal Center(s)	Travel Conditions Request	P
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Traffic System	Travel Conditions-l	D
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Travel Conditions- l	D
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Travel Conditions- l	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Travel Conditions- 1	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Travel Conditions-2	D
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Travel Conditions-2	D
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Travel Conditions-2	D
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Traffic System	Travel Conditions-2	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Travel Conditions-2	D
		External Information Source(s)	Decentralized Control Signal Center(s)	Weather Conditions	D
		External Information Source(s)	Centralized Control Signal Center(s)	Weather Conditions	D
		External Information Source(s)	Inter-Jurisdictional Traffic System	Weather Conditions	D
		Road Weather Information Center	Centralized Control Signal Center(s)	Weather Conditions	D
		Road Weather Information Center	Decentralized Control Signal Center(s)	Weather Conditions	D
		Road Weather Information Center	Inter-Jurisdictional Traffic System	Weather Conditions	D
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Weather Conditions	D
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Weather Conditions	D
		Road Weather Information Center	Centralized Control Signal Center(s)	Weather Surveillance Data	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A10	Road Weather Information Center	Decentralized Control Signal Center(s)	Weather Surveillance Data	D
		Centralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Weather Surveillance Data	V
		Road Weather Information Center	Inter-Jurisdictional Traffic System	Weather Surveillance Data	D
		Freeway Traffic Management Center	Decentralized Control Signal Center(s)	Weather Surveillance Data	V
		Tailored Traveler Information Provider(s)	Decentralized Control Signal Center(s)	Weather Surveillance Data	V
		Tailored Traveler Information Provider(s)	Centralized Control Signal Center(s)	Weather Surveillance Data	V
		Centralized Control Signal Center(s)	Centralized Control Signal Center(s)	Weather Surveillance Data	V
		Decentralized Control Signal Center(s)	Centralized Control Signal Center(s)	Weather Surveillance Data	V
		Decentralized Control Signal Center(s)	Decentralized Control Signal Center(s)	Weather Surveillance Data	V
		Freeway Traffic Management Center	Centralized Control Signal Center(s)	Weather Surveillance Data	V
		Centralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Conditions	D
		User Interface Equipment	State Patrol Dispatch Center	Incident Conditions	P
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Incident Conditions	D
		Freeway Traffic Management Center	State Patrol Dispatch Center	Incident Conditions	D
		External Information Source(s)	State Patrol Dispatch Center	Link Reference Model	D
		External Information Source(s)	State Patrol Dispatch Center	Planned Event Information	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	All	User Interface Equipment	State Patrol Dispatch Center	Planned Event Information	P
		Maintenance Dispatch Center	State Patrol Dispatch Center	Planned Event Information	D
		Maintenance Dispatch Center	State Patrol Dispatch Center	Road Surface Conditions	D
		Truck Center	State Patrol Dispatch Center	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	State Patrol Dispatch Center	Road Surface Conditions	D
		Freeway Traffic Management Center	State Patrol Dispatch Center	Road Surface Conditions	D
		User Interface Equipment	State Patrol Dispatch Center	Road Surface Conditions	P
		Road Weather Information Center	State Patrol Dispatch Center	Road Surface Conditions	D
		Other Transit Management Center(s)	State Patrol Dispatch Center	Road Surface Conditions	D
		Centralized Control Signal Center(s)	State Patrol Dispatch Center	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	State Patrol Dispatch Center	Road Surface Conditions	D
		External Information Source(s)	State Patrol Dispatch Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Road Surface Conditions	D
		Regional ITS Management Center	State Patrol Dispatch Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	State Patrol Dispatch Center	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	State Patrol Dispatch Center	Road Surface Surveillance Data	V

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TCI	All	Centralized Control Signal Center(s)	State Patrol Dispatch Center		Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	State Patrol Dispatch Center		Traffic Conditions	D
		Freeway Traffic Management Center	State Patrol Dispatch Center		Traffic Conditions	D
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center		Traffic Conditions	D
		Inter-Jurisdictional Traffic System	State Patrol Dispatch Center		Traffic Conditions	D
		Centralized Control Signal Center(s)	State Patrol Dispatch Center		Traffic Surveillance Data	V
		Freeway Traffic Management Center	State Patrol Dispatch Center		Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	State Patrol Dispatch Center		Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	State Patrol Dispatch Center		Traffic Surveillance Data	V
		User Interface Equipment	State Patrol Dispatch Center		Travel Conditions Request	P
		Tailored Traveler Information Provider(s)	State Patrol Dispatch Center		Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	State Patrol Dispatch Center		Travel Conditions-2	D
		Road Weather Information Center	State Patrol Dispatch Center		Weather Conditions	D
		External Information Source(s)	State Patrol Dispatch Center		Weather Conditions	D
		Centralized Control Signal Center(s)	State Patrol Dispatch Center		Weather Surveillance Data	V
		Freeway Traffic Management Center	State Patrol Dispatch Center		Weather Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A11	Decentralized Control Signal Center(s)	State Patrol Dispatch Center	Weather Surveillance Data	V
		Tailored Traveler Information Provider(s)	State Patrol Dispatch Center	Weather Surveillance Data	V
		Freeway Roadside Equipment	Freeway Traffic Management Center	Road Surface Surveillance Data	V
	A12	Freeway Roadside Equipment	Freeway Traffic Management Center	Traffic Surveillance Data	V, D
		Freeway Roadside Equipment	Freeway Traffic Management Center	Weather Surveillance Data	V
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Road Surface Surveillance Data	V
	A13	Centralized Roadside Equipment	Centralized Control Signal Center(s)	Road Surface Surveillance Data	V
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Traffic Surveillance Data	V,D
		Centralized Roadside Equipment	Centralized Control Signal Center(s)	Traffic Surveillance Data	V, D
		Centralized Roadside Equipment	Centralized Control Signal Center(s)	Weather Surveillance Data	V
		Decentralized Roadside Equipment	Decentralized Control Signal Center(s)	Weather Surveillance Data	V
		Other Transit Management Center(s)	Other Transit Management Center(s)	Incident Conditions	D
A14		Transit Service Provider(s)	Transit Service Provider(s)	Incident Conditions	D
		State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Incident Conditions	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Incident Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Incident Conditions	D
		Regional ITS Management System	Transit Service Provider(s)	Incident Conditions	D
		State Patrol Dispatch Center	Other Transit Management Center(s)	Incident Conditions	D
		State Patrol Dispatch Center	Regional ITS Management Center	Incident Conditions	D
		External Information Source(s)	Other Transit Management Center(s)	Link Reference Model	D
		External Information Source(s)	Regional ITS Management Center	Link Reference Model	D
		External Information Source(s)	Transit Service Provider(s)	Link Reference Model	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Link Reference Model	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Planned Event Information	D
		External Information Source(s)	Other Transit Management Center(s)	Planned Event Information	D
		User Interface Equipment	Demand Responsive Transit Center(s)	Planned Event Information	P
		External Information Source(s)	Transit Service Provider(s)	Planned Event Information	D
		User Interface Equipment	Other Transit Management Center(s)	Planned Event Information	P
		User Interface Equipment	Regional ITS Management Center	Planned Event Information	P
		User Interface Equipment	Transit Service Provider(s)	Planned Event Information	P
		External Information Source(s)	Regional ITS Management Center	Planned Event Information	D
		Transit Service Provider(s)	Transit Service Provider(s)	Planned Event Information	D
		Regional ITS Management System	Transit Service Provider(s)	Planned Event Information	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Maintenance Dispatch Center	Regional ITS Management Center	Planned Event Information	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Planned Event Information	D
		Maintenance Dispatch Center	Other Transit Management Center(s)	Planned Event Information	D
		Maintenance Dispatch Center	Demand Responsive Transit Center(s)	Planned Event Information	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Planned Event Information	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Planned Event Information	D
		Regional ITS Management Center	Transit Service Provider(s)	Road Surface Conditions	D
		External Information Source(s)	Other Transit Management Center(s)	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Road Surface Conditions	D, Cr
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D, Cr
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Regional ITS Management Center	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Centralized Control Signal Center(s)	Other Transit Management Center(s)	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Road Surface Conditions	D
		Maintenance Dispatch Center	Regional ITS Management Center	Road Surface Conditions	D
		State Patrol Dispatch Center	Other Transit Management Center(s)	Road Surface Conditions	D
		State Patrol Dispatch Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Road Weather Information Center	Regional ITS Management Center	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Other Transit Management Center(s)	Road Surface Conditions	D
		Road Weather Information Center	Other Transit Management Center(s)	Road Surface Conditions	D
		Road Weather Information Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		State Patrol Dispatch Center	Regional ITS Management Center	Road Surface Conditions	D
		Maintenance Dispatch Center	Other Transit Management Center(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Regional ITS Management System	Transit Service Provider(s)	Road Surface Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Regional ITS Management Center	Other Transit Management Center(s)	Road Surface Conditions	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Road Surface Conditions	D, Cr
		Other Transit Management Center(s)	Regional ITS Management Center	Road Surface Conditions	D
		Other Transit Management Center(s)	Transit Service Provider(s)	Road Surface Conditions	D
		External Information Source(s)	Regional ITS Management Center	Road Surface Conditions	D
		Maintenance Dispatch Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Truck Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		External Information Source(s)	Transit Service Provider(s)	Road Surface Conditions	D
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Road Surface Conditions	D
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Road Surface Conditions	D, Cr
		Transit Service Provider(s)	Other Transit Management Center(s)	Road Surface Conditions	D
		Freeway Traffic Management Center	Other Transit Management Center(s)	Road Surface Conditions	D
		Transit Service Provider(s)	Regional ITS Management Center	Road Surface Conditions	D
		Freeway Traffic Management Center	Regional ITS Management Center	Road Surface Conditions	D
		Transit Service Provider(s)	Transit Service Provider(s)	Road Surface Conditions	D, Cr

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	AI4	Truck Center	Transit Service Provider(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Regional ITS Management Center	Road Surface Conditions	D
		Truck Center	Other Transit Management Center(s)	Road Surface Conditions	D
		Truck Center	Regional ITS Management Center	Road Surface Conditions	D
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Regional ITS Management Center	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Regional ITS Management Center	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Road Surface Surveillance Data	V
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Road Surface Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Freeway Traffic Management Center	Other Transit Management Center(s)	Road Surface Surveillance Data	V
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Conditions	D
		Regional ITS Management System	Transit Service Provider(s)	Traffic Conditions	D
		Transit Service Provider(s)	Transit Service Provider(s)	Traffic Conditions	D, Cr
		Centralized Control Signal Center(s)	Regional ITS Management Center	Traffic Conditions	D
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Traffic Conditions	D
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Traffic Conditions	D
		Freeway Traffk Management Center	Other Transit Management Center(s)	Traffk Conditions	D
		Freeway Traffic Management Center	Regional ITS Management Center	Traffic Conditions	D
		Inter-Jurisdictional Traffic System	Other Transit Management Center(s)	Traffk Conditions	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Traffic Conditions	D, Cr
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Traffic Conditions	D
		Inter-Jurisdictional Traffic System	Demand Responsive Transit Center(s)	Traffk Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Inter-Jurisdictional Traffic System	Regional ITS Management Center	Traffic Conditions	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Traffic Conditions	D, Cr
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Traffic Conditions	D, Cr
		Freeway Traffic Management Center	Regional ITS Management Center	Traffic Surveillance Data	V
		Freeway Traffic Management Center	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Traffic Surveillance Data	V
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	V
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Traffic Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Other Transit Management Center(s)	Transit Service Provider(s)	Transit Conditions	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Transit Conditions	D
		Transit Service Provider(s)	Demand Responsive Transit Center(s)	Transit Conditions	D
		Transit Service Provider(s)	Other Transit Management Center(s)	Transit Conditions	D
		Other Transit Management Center(s)	Regional ITS Management Center	Transit Conditions	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Transit Conditions	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Transit Conditions	D
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Transit Conditions	D
		Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Transit Conditions	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Transit Conditions	D
		Transit Service Provider(s)	Transit Service Provider(s)	Transit Conditions	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transit Conditions	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transit Conditions	D
		Regional ITS Management Center	Transit Service Provider(s)	Transit Conditions	D
		Transit Service Provider(s)	Regional ITS Management Center	Transit Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	User Interface Equipment	Other Transit Management Center(s)	Travel Conditions Request	P
		User Interface Equipment	Regional ITS Management Center	Travel Conditions Request	P
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Travel Conditions- 1	D
		Transit Service Provider(s)	Transit Service Provider(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions- 1	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions- 1	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions- 1	D
		Transit Service Provider(s)	Transit Service Provider(s)	Travel Conditions-2	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Travel Conditions-2	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Travel Conditions-2	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions-2	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions-2	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A14	Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions-2	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Travel Conditions-2	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions-2	D
		Road Weather Information Center	Other Transit Management Center(s)	Weather Conditions	D
		Demand Responsive Transit Center(s)	Demand Responsive Transit Center(s)	Weather Conditions	D
		Transit Service Provider(s)	Transit Service Provider(s)	Weather Conditions	D
		Road Weather Information Center	Regional ITS Management Center	Weather Conditions	D
		Road Weather Information Center	Demand Responsive Transit Center(s)	Weather Conditions	D
		Regional ITS Management System	Transit Service Provider(s)	Weather Conditions	D
		Other Transit Management Center(s)	Other Transit Management Center(s)	Weather Conditions	D
		External Information Source(s)	Transit Service Provider(s)	Weather Conditions	D
		External Information Source(s)	Regional ITS Management Center	Weather Conditions	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Weather Conditions	D
		External Information Source(s)	Other Transit Management Center(s)	Weather Conditions	D
		Demand Responsive Transit Center(s)	Transit Service Provider(s)	Weather Conditions	D
		Centralized Control Signal Center(s)	Regional ITS Management Center	Weather Surveillance Data	V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type	
TCI	A14	Centralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Weather Surveillance Data	V	
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Weather Surveillance Data	V	
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Weather Surveillance Data	V	
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Weather Surveillance Data	V	
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Weather Surveillance Data	V	
		Decentralized Control Signal Center(s)	Demand Responsive Transit Center(s)	Weather Surveillance Data	V	
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Weather Surveillance Data	V	
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Weather Surveillance Data	V	
		Freeway Traffic Management Center	Regional ITS Management Center	Weather Surveillance Data	V	
		Freeway Traffic Management Center	Other Transit Management Center(s)	Weather Surveillance Data	V	
		Freeway Traffic Management Center	Demand Responsive Transit Center(s)	Weather Surveillance Data	V	
		A15	State Patrol Dispatch Center	Maintenance Dispatch Center	Incident Conditions	D
			External Information Source(s)	Maintenance Dispatch Center	Link Reference Model	D
			External Information Source(s)	Maintenance Dispatch Center	Planned Event Information	D
User Interface Equipment	Maintenance Dispatch Center		Planned Event Information	P		
		External Information Source(s)	Maintenance Dispatch Center	Road Surface Conditions	D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A15	Freeway Traffic Management Center	Maintenance Dispatch Center	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Maintenance Dispatch Center	Road Surface Conditions	D
		Other Transit Management Center(s)	Maintenance Dispatch Center	Road Surface Conditions	D
		Truck Center	Maintenance Dispatch Center	Road Surface Conditions	D
		Road Weather Information Center	Maintenance Dispatch Center	Road Surface Conditions	D
		State Patrol Dispatch Center	Maintenance Dispatch Center	Road Surface Conditions	D
		User Interface Equipment	Maintenance Dispatch Center	Road Surface Conditions	P
		Regional ITS Management Center	Maintenance Dispatch Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Maintenance Dispatch Center	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Road Surface Surveillance Data	V
		Road Weather Information Center	Maintenance Dispatch Center	Road Surface Surveillance Data	D
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Road Surface Surveillance Data	V
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Road Surface Surveillance Data	V
		Freeway Traffic Management Center	Maintenance Dispatch Center	Road Surface Surveillance Data	V
		Inter-Jurisdictional Traffic System	Maintenance Dispatch Center	Traffic Conditions	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A15	Freeway Traffic Management Center	Maintenance Dispatch Center	Traffic Conditions	D
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Traffic Surveillance Data	V
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Traffic Surveillance Data	V
		Freeway Traffic Management Center	Maintenance Dispatch Center	Traffic Surveillance Data	V
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Traffic Surveillance Data	V
		User Interface Equipment	Maintenance Dispatch Center	Travel Conditions Request	P
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Maintenance Dispatch Center	Travel Conditions-2	D
		Road Weather Information Center	Maintenance Dispatch Center	Weather Conditions	D
		External Information Source(s)	Maintenance Dispatch Center	Weather Conditions	D
		Centralized Control Signal Center(s)	Maintenance Dispatch Center	Weather Surveillance Data	V
		Road Weather Information Center	Maintenance Dispatch Center	Weather Surveillance Data	D
		Freeway Traffic Management Center	Maintenance Dispatch Center	Weather Surveillance Data	V
		Decentralized Control Signal Center(s)	Maintenance Dispatch Center	Weather Surveillance Data	V

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TCI	A15	Tailored Traveler Information Provider(s)	Maintenance	Dispatch Center	Weather Surveillance Data	V
	A16	State Patrol Dispatch Center	Parking	Management Center(s)	Incident Conditions	D
		External Information Source(s)	Parking	Management Center(s)	Link Reference Model	D
		Maintenance Dispatch Center	Parking	Management Center(s)	Planned Event Information	D
		User Interface Equipment	Parking	Management Center(s)	Planned Event Information	P
		External Information Source(s)	Parking	Management Center(s)	Planned Event Information	D
		Other Transit Management Center(s)	Parking	Management Center(s)	Road Surface Conditions	D
		State Patrol Dispatch Center	Parking	Management Center(s)	Road Surface Conditions	D
		Maintenance Dispatch Center	Parking	Management Center(s)	Road Surface Conditions	D
		Truck Center	Parking	Management Center(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Parking	Management Center(s)	Road Surface Conditions	D
		Road Weather Information Center	Parking	Management Center(s)	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Parking	Management Center(s)	Road Surface Conditions	D
		Freeway Traffic Management Center	Parking	Management Center(s)	Road Surface Conditions	D
		Regional ITS Management Center	Parking	Management Center(s)	Road Surface Conditions	D
		External Information Source(s)	Parking	Management Center(s)	Road Surface Conditions	D
		Demand Responsive Transit Center(s)	Parking	Management Center(s)	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Parking	Management Center(s)	Road Surface Conditions	D
		Inter-Jurisdictional Traffic System	Parking	Management Center(s)	Traffic Conditions	D

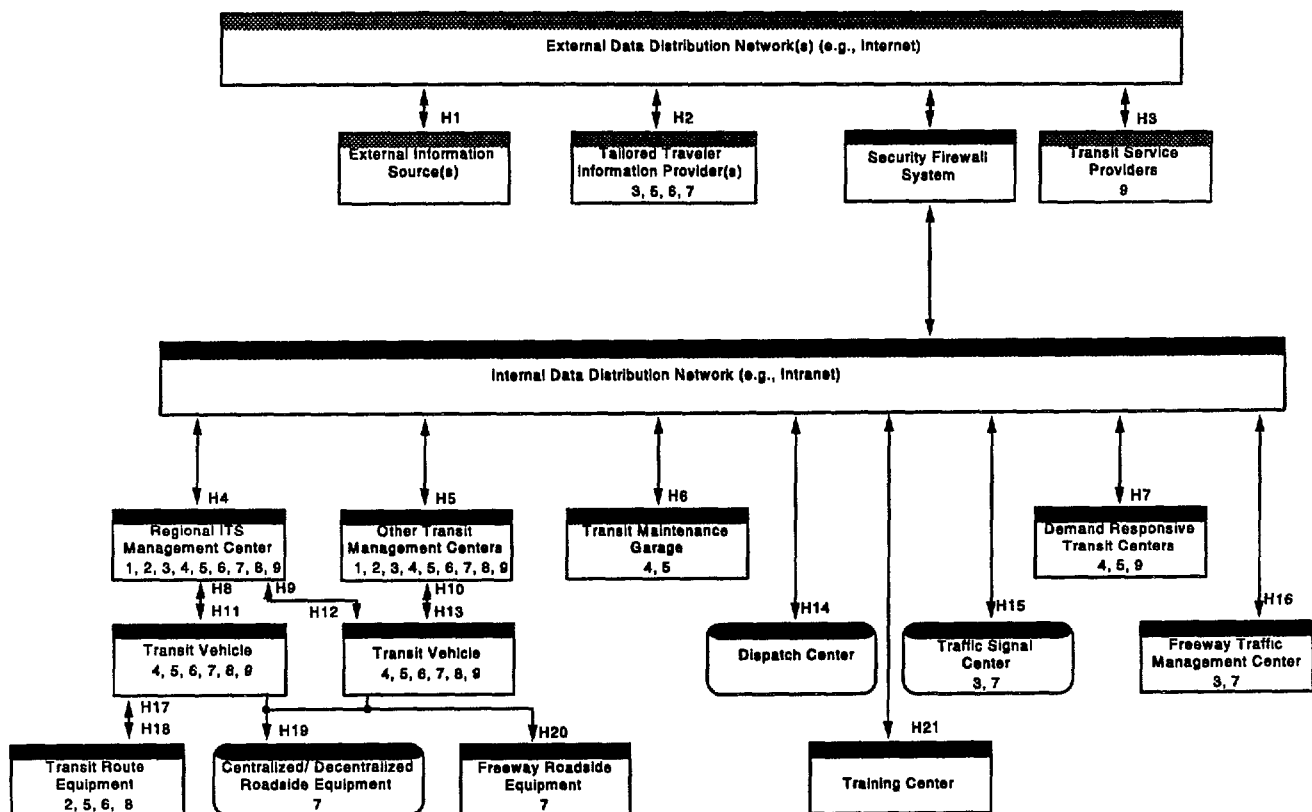
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A16	Decentralized Control Signal Center(s)	Parking Management Center(s)	Traffic Conditions	D
		Freeway Traffic Management Center	Parking Management Center(s)	Traffic Conditions	D
		Centralized Control Signal Center(s)	Parking Management Center(s)	Traffic Conditions	D
		Tailored Traveler Information Provider(s)	Parking Management Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Parking Management Center(s)	Travel Conditions-2	D
		Road Weather Information Center	Parking Management Center(s)	Weather Conditions	D
		External Information Source(s)	Parking Management Center(s)	Weather Conditions	D
		External Information Source(s)	Road Weather Information Center	Link Reference Model	D
		Inter-Jurisdictional Traffic System	Road Weather Information Center	Road Surface Conditions	D
		Truck Center	Road Weather Information Center	Road Surface Conditions	D
		State Patrol Dispatch Center	Road Weather Information Center	Road Surface Conditions	D
		Regional ITS Management Center	Road Weather Information Center	Road Surface Conditions	D
		Maintenance Dispatch Center	Road Weather Information Center	Road Surface Conditions	D
		External Information Source(s)	Road Weather Information Center	Road Surface Conditions	D
A17		Demand Responsive Transit Center(s)	Road Weather Information Center	Road Surface Conditions	D
		Decentralized Control Signal Center(s)	Road Weather Information Center	Road Surface Conditions	D
		Centralized Control Signal Center(s)	Road Weather Information Center	Road Surface Conditions	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface	Type
TCI	A17	Other Transit Management Center(s)	Road Weather Information Center		Road Surface Conditions	D	
		Freeway Traffic Management Center	Road Weather Information Center		Road Surface Conditions	D	
		Tailored Traveler Information Provider(s)	Road Weather Information Center		Travel Conditions- 1	D	
		Tailored Traveler Information Provider(s)	Road Weather Information Center		Travel Conditions-2	D	
		External Information Source(s)	Road Weather Information Center		Weather Conditions	D	
		State Patrol Dispatch Center	Truck Center		Incident Conditions	D	
		External Information Source(s)	Truck Center		Link Reference Model	D	
		Maintenance Dispatch Center	Truck Center		Planned Event Information	D	
		External Information Source(s)	Truck Center		Planned Event Information	D	
		User Interface Equipment	Truck Center		Planned Event Information	P	
A18		External Information Source(s)	Truck Center		Road Surface Conditions	D	
		Inter-Jurisdictional Traffic System	Truck Center		Road Surface Conditions	D	
		Decentralized Control Signal Center(s)	Truck Center		Road Surface Conditions	D	
		Freeway Traffic Management Center	Truck Center		Road Surface Conditions	D	
		Demand Responsive Transit Center(s)	Truck Center		Road Surface Conditions	D	
		Centralized Control Signal Center(s)	Truck Center		Road Surface Conditions	D	
		Other Transit Management Center(s)	Truck Center		Road Surface Conditions	D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A18	Regional ITS Management Center	Truck Center	Road Surface Conditions	D
		Road Weather Information Center	Truck Center	Road Surface Conditions	D
		Maintenance Dispatch Center	Truck Center	Road Surface Conditions	D
		State Patrol Dispatch Center	Truck Center	Road Surface Conditions	D
		Road Weather Information Center	Truck Center	Road Surface Surveillance Data	D
		Centralized Control Signal Center(s)	Truck Center	Traffic Conditions	D
		Freeway Traffic Management Center	Truck Center	Traffic Conditions	D
		Inter-Jurisdictional Traffic System	Truck Center	Traffic Conditions	D
		Decentralized Control Signal Center(s)	Truck Center	Traffic Conditions	D
		User Interface Equipment	Truck Center	Travel Conditions Request	P
		Tailored Traveler Information Provider(s)	Truck Center	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Truck Center	Travel Conditions-2	D
	A19	External Information Source(s)	Truck Center	Weather Conditions	D
		Road Weather Information Center	Truck Center	Weather Conditions	D
		Road Weather Information Center	Truck Center	Weather Surveillance Data	D
		Parking Management Roadside Equipment	Parking Management Center(s)	Parking Surveillance Data	D
A20		Road Weather Roadside Equipment	Road Weather Information Center	Road Surface Surveillance Data	D
		Road Weather Roadside Equipment	Road Weather Information Center	Weather Surveillance Data	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TCI	A21	Demand Responsive Transit Center(s)	Transit Information Distribution Equipment	Travel Conditions-1	D
		Other Transit Management Center(s)	Transit Information Distribution Equipment	Travel Conditions- 1	D
		Regional ITS Management Center	Transit Information Distribution Equipment	Travel Conditions- 1	D
		Regional ITS Management Center	Transit Information Distribution Equipment	Travel Conditions-2	D
	A22	Demand Responsive Transit Center(s)	Transit Information Distribution Equipment	Travel Conditions-2	D
		Other Transit Management Center(s)	Transit Information Distribution Equipment	Travel Conditions-2	D
		Freeway Traffic Management Center	Freeway Roadside Equipment	Travel Conditions- 1	D
		Freeway Traffic Management Center	Freeway Roadside Equipment	Travel Conditions-2	D
	A23	Centralized Control Signal Center(s)	Centralized Roadside Equipment	Travel Conditions-1	D
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Travel Conditions- 1	D
		Centralized Control Signal Center(s)	Centralized Roadside Equipment	Travel Conditions-2	D
		Decentralized Control Signal Center(s)	Decentralized Roadside Equipment	Travel Conditions-2	D
	A24	Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Travel Conditions- 1	D
		Maintenance Dispatch Center	Road Maintenance Roadside Equipment	Travel Conditions-2	D

The architecture shown in Figure 91, Public Transit Fleet Management - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Public Transit Fleet Management Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



TFMSPA-d

Figure 91. Public Transit Fleet Management - Physical Architecture

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H01	Other Transit Management Center(s)	External Information Source(s)	Personnel Assignments	D
		Regional ITS Management Center	External Information Source(s)	Personnel Assignments	D
		Regional ITS Management Center	External Information Source(s)	Vehicle Assignments	D
		Other Transit Management Center(s)	External Information Source(s)	Vehicle Assignments	D
		Regional ITS Management Center	External Information Source(s)	Vehicle Location	D
		Other Transit Management Center(s)	External Information Source(s)	Vehicle Location	D
		Other Transit Management Center(s)	Tailored Traveler Information Provider(s)	Detour Request	D
		Other Transit Management Center(s)	Tailored Traveler Information Provider(s)	Transit Conditions	D
	H02	Regional ITS Management Center	Tailored Traveler Information Provider(s)	Transit Conditions	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Transit Route	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Transit Route Schedule	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Other Transit Management Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Regional ITS Management Center	Transit Service Provider(s)	Schedule Adherence Information	D
		Regional ITS Management Center	Transit Service Provider(s)	Transfer Delay Request	D,Cr
		Regional ITS Management Center	Transit Service Provider(s)	Transit Route	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H03	Regional ITS Management Center	Transit Service Provider(s)	Transit Route Schedule	D
	H04	External Information Source(s)	Regional ITS Management Center	Driver Criminal History	D
		External Information Source(s)	Regional ITS Management Center	Driver License Expiration Data	D
		External Information Source(s)	Regional ITS Management Center	Driver Shift Constraints	D
		External Information Source(s)	Regional ITS Management Center	Drug/Alcohol Test Results	D
		External Information Source(s)	Regional ITS Management Center	Flight Arrival/Departure Times	D
		External Information Source(s)	Regional ITS Management Center	Link Reference Model	D
		Transit Maintenance Garage	Regional ITS Management Center	Maintenance Completion	D
		Transit Maintenance Garage	Regional ITS Management Center	Maintenance Request	D
		External Information Source(s)	Regional ITS Management Center	Moving Violations	D
		Other Transit Management Center(s)	Regional ITS Management Center	Personnel Assignments	D
		External Information Source(s)	Regional ITS Management Center	Personnel Availability Information	D
		Incident Dispatch Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Regional ITS Management Center	Resource Request	D,E,F,P
		Other Transit Management Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Regional ITS Management Center	Resource Request	D,E,F,P
Freeway Traffic Management Center	Regional ITS Management Center	Resource Request	D,E,F,P		
External Information Source(s)	Regional ITS Management Center	Resource Request	D,E,F,P		
Emergency Vehicle	Regional ITS Management Center	Resource Request	Cr,D,P		
Demand Responsive Transit Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P		

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	HO4	Centralized Control Signal Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Division of Emergency Management Center	Regional ITS Management Center	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Resource Request	D,E,F,P
		Other Transit Management Center(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Transit Service Provider(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Demand Responsive Transit Center(s)	Regional ITS Management Center	Schedule Adherence Information	D
		Regional ITS Management Center	Regional ITS Management Center	Schedule Adherence Information	D
		Centralized Control Signal Center(s)	Regional ITS Management Center	Signal Timing Plan	D
		Inter-Jurisdictional Traffic System	Regional ITS Management Center	Signal Timing Plan	D
		Freeway Traffic Management Center	Regional ITS Management Center	Signal Timing Plan	D
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Signal Timing Plan	D
		Inter-Jurisdictional Traffic System	Regional ITS Management Center	Traffic Surveillance Data	D,V
		Freeway Traffic Management Center	Regional ITS Management Center	Traffic Surveillance Data	D,V
		Decentralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	D,V
		Centralized Control Signal Center(s)	Regional ITS Management Center	Traffic Surveillance Data	D,V
		Training Center	Regional ITS Management Center	Training Completion	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TFM	H04	Training Center	Regional ITS Management Center		Training Request	D
		Transit Service Provider(s)	Regional ITS Management Center		Transfer Delay Request	D,Cr
		Regional ITS Management Center	Regional ITS Management Center		Transfer Delay Request	D
		Other Transit Management Center(s)	Regional ITS Management Center		Transfer Delay Request	D,Cr
		Demand Responsive Transit Center(s)	Regional ITS Management Center		Transfer Delay Request	D,Cr
		Other Transit Management Center(s)	Regional ITS Management Center		Transit Route	D
		Regional ITS Management Center	Regional ITS Management Center		Transit Route	D
		Regional ITS Management Center	Regional ITS Management Center		Transit Route Schedule	D
		Other Transit Management Center(s)	Regional ITS Management Center		Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center		Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center		Travel Conditions-2	D
		Other Transit Management Center(s)	Regional ITS Management Center		Vehicle Assignments	D
	Other Transit Management Center(s)	Regional ITS Management Center		Vehicle Location	D	
H05	Tailored Traveler Information Provider(s)	Other Transit Management Center(s)		Detour Route	D	
	External Information Source(s)	Other Transit Management Center(s)		Driver Criminal History	D	
	External Information Source(s)	Other Transit Management Center(s)		Driver License Expiration Data	D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	HO5	External Information Source(s)	Other Transit Management Center(s)	Driver Shift Constraints	D
		External Information Source(s)	Other Transit Management Center(s)	Drug/Alcohol Test Results	D
		External Information Source(s)	Other Transit Management Center(s)	Flight Arrival/Departure Times	D
		External Information Source(s)	Other Transit Management Center(s)	Link Reference Model	D
		Transit Maintenance Garage	Other Transit Management Center(s)	Maintenance Completion	D
		Transit Maintenance Garage	Other Transit Management Center(s)	Maintenance Request	D
		External Information Source(s)	Other Transit Management Center(s)	Moving Violations	D
		Regional ITS Management Center	Other Transit Management Center(s)	Personnel Assignments	D
		External Information Source(s)	Other Transit Management Center(s)	Personnel Availability Information	D
		Emergency Vehicle	Other Transit Management Center(s)	Resource Request	Cr,D,P
		Demand Responsive Transit Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Division of Emergency Management Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H05	Freeway Traffic Management Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Incident Dispatch Center(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Inter-Jurisdictional Incident Management System	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Regional ITS Management Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		State Patrol Dispatch Center	Other Transit Management Center(s)	Resource Request	D,E,F,P
		External Information Source(s)	Other Transit Management Center(s)	Resource Request	D,E,F,P
		Other Transit Management Center(s)	Other Transit Management Center(s)	Schedule Adherence Information	D
		Regional ITS Management Center	Other Transit Management Center(s)	Schedule Adherence Information	D
		Inter-Jurisdictional Traffic System	Other Transit Management Center(s)	Signal Timing Plan	D
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Signal Timing Plan	D
		Freeway Traffic Management Center	Other Transit Management Center(s)	Signal Timing Plan	D
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Signal Timing Plan	D
		Centralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	D,V
		Decentralized Control Signal Center(s)	Other Transit Management Center(s)	Traffic Surveillance Data	D,V

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H05	Inter-Jurisdictional Traffic System	Other Transit Management Center(s)	Traffic Surveillance Data	D,V
		Freeway Traffic Management Center	Other Transit Management Center(s)	Traffic Surveillance Data	D,V
		Training Center	Other Transit Management Center(s)	Training Completion	D
		Training Center	Other Transit Management Center(s)	Training Request	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transfer Delay Request	D,Cr
		Regional ITS Management Center	Other Transit Management Center(s)	Transit Route	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions-2	D
		Regional ITS Management Center	Other Transit Management Center(s)	Vehicle Assignments	D
		Regional ITS Management Center	Other Transit Management Center(s)	Vehicle Location	D
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Assignments	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Location	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Location	D
H06		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Assignments	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Location	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Location	D
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Location	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H06	Regional ITS Management Center	Transit Maintenance Garage	Vehicle Parameters	D
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Parameters	D
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Pre-trip Inspection Report	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Pre-trip Inspection Report	D
		Other Transit Management Center(s)	Transit Maintenance Garage	Vehicle Status	D
		Regional ITS Management Center	Transit Maintenance Garage	Vehicle Status	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Personnel Assignments	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Personnel Assignments	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Schedule Adherence Information	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transfer Delay Request	D,Cr
H07		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transit Route	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Transit Route Schedule	D _i
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Vehicle Assignments	D
		Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Vehicle Assignments	D
		Regional ITS Management Center	Demand Responsive Transit Center(s)	Vehicle Location	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H07	Other Transit Management Center(s)	Demand Responsive Transit Center(s)	Vehicle Location	D
	H08	Transit Vehicle	Regional ITS Management Center	Detour Request	D,Cr
		Transit Vehicle	Regional ITS Management Center	Resource Request	D,Cr,P
		Transit Vehicle	Regional ITS Management Center	Road Construction Data	Cr
		Transit Vehicle	Regional ITS Management Center	Vehicle Location	D
	H09	Transit Vehicle	Regional ITS Management Center	Vehicle Parameters	D
		Transit Vehicle	Regional ITS Management Center	Vehicle Pre-trip Inspection Report	D
		Transit Vehicle	Regional ITS Management Center	Vehicle Status	D
		Transit Vehicle	Regional ITS Management Center	Vehicle Location	D
	H10	Transit Vehicle	Other Transit Management Center(s)	Detour Request	D,Cr
		Transit Vehicle	Other Transit Management Center(s)	Resource Request	D,Cr,P
		Transit Vehicle	Other Transit Management Center(s)	Road Construction Data	Cr
		Transit Vehicle	Other Transit Management Center(s)	Vehicle Location	D
	H11	Transit Vehicle	Other Transit Management Center(s)	Vehicle Parameters	D
		Transit Vehicle	Other Transit Management Center(s)	Vehicle Pre-trip Inspection Report	D
		Transit Vehicle	Other Transit Management Center(s)	Vehicle Status	D
		Regional ITS Management Center	Transit Vehicle	Detour Route	D,Cr
		Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	D,Cr

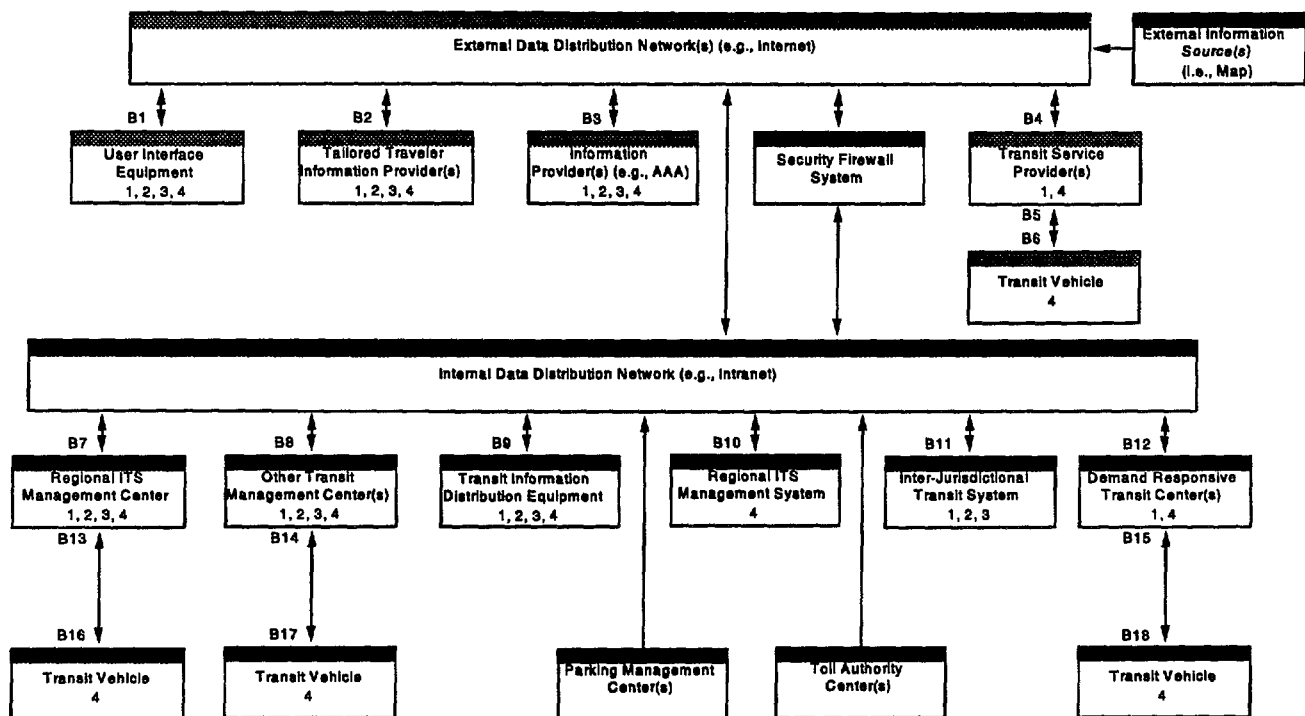
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H12	Regional ITS Management Center	Transit Vehicle	Transfer Delay Request	D
	H13	Other Transit Management Center(s)	Transit Vehicle	Detour Route	D,Cr
		Other Transit Management Center(s)	Transit Vehicle	Transfer Delay Request	D,Cr
	H14	Regional ITS Management Center	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Other Transit Management Center(s)	Emergency Vehicle	Personnel Assignments	Cr,D,P
		Regional ITS Management Center	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Personnel Assignments	D,W,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Division of Emergency Management Center	Personnel Assignments	D,E,FP

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H14	Other Transit Management Center(s)	Freeway Traffic Management Center	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Personnel Assignments	D,E,F,P
		Regional ITS Management Center	External Information Source(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	External Information Source(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Personnel Assignments	D,E,F,P
		Other Transit Management Center(s)	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	State Patrol Dispatch Center	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Inter-Jurisdictional Incident Management System	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	Division of Emergency Management Center	Vehicle Assignments	DEFP
		Other Transit Management Center(s)	Division of Emergency Management Center	Vehicle Assignments	DEFP
		Other Transit Management Center(s)	Freeway Traffic Management Center	Vehicle Assignments	D,E,F,P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H14	Regional ITS Management Center	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Vehicle Assignments	D,E,F,P
		Regional ITS Management Center	External Information Source(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Incident Dispatch Center(s)	Vehicle Assignments	D,E,F,P
		Other Transit Management Center(s)	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Regional ITS Management Center	Emergency Vehicle	Vehicle Assignments	Cr,D,P
		Regional ITS Management Center	Centralized Control Signal Center(s)	Vehicle Assignments	D,E,FP
		Other Transit Management Center(s)	External Information Source(s)	Vehicle Assignments	D,E,FP
		Regional ITS Management Center	Centralized Control Signal Center(s)	Traffic Control Requirements	D
		Other Transit Management Center(s)	Centralized Control Signal Center(s)	Traffic Control Requirements	D
H15		Other Transit Management Center(s)	Inter-Jurisdictional Traffic System	Traffic Control Requirements	D
		Regional ITS Management Center	Inter-Jurisdictional Traffic System	Traffic Control Requirements	D
		Other Transit Management Center(s)	Decentralized Control Signal Center(s)	Traffic Control Requirements	D
		Regional ITS Management Center	Decentralized Control Signal Center(s)	Traffic Control Requirements	D
		Regional ITS Management Center	Freeway Traffic Management Center	Traffic Control Requirements	D

Service	-J%	Source Component	Destination Component	Data Flow Name	Interface Type
TFM	H16	Other Transit Management Center(s)	Freeway Traffic Management Center	Traffic Control Requirements	D
	H17	Transit Route Equipment	Transit Vehicle	Vehicle Location	D
	H18	Transit Vehicle	Transit Route Equipment	Vehicle Parameters	D
	H19	Transit Vehicle	Decentralized Roadside Equipment	Signal Priority Request	S
		Transit Vehicle	Centralized Roadside Equipment	Signal Priority Request	S
	H20	Transit Vehicle	Freeway Roadside Equipment	Signal Priority Request	S
	H21	Other Transit Management Center(s)	Training Center	Personnel Assignments	D
		Regional ITS Management Center	Training Center	Personnel Assignments	D

The architecture shown in Figure 92, Trip Planning and Directions - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Trip Planning and Directions Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



TPD\$PHYS-a

Figure 92. Trip Planning and Directions - Physical Architecture

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B01	External Information Source(s)	User Interface Equipment	Link Reference Model	D
		Transit Service Provider(s)	User Interface Equipment	Mode Use Information	D
		Regional ITS Management System	User Interface Equipment	Mode Use Information	D
		Regional ITS Management System	User Interface Equipment	Parking Fees	D
		Other Transit Management Center(s)	User Interface Equipment	Tailored Directions	D, E, Te, F, P
		Regional ITS Management Center	User Interface Equipment	Tailored Directions	D, E, Te, F, P
		Tailored Traveler Information Provider(s)	User Interface Equipment	Tailored Directions	D, E, Te, F, P
		Information Provider(s)	User Interface Equipment	Tailored Directions	D, E, Te, F, P
		Other Transit Management Center(s)	User Interface Equipment	Tailored Route	D, E, F
		Information Provider(s)	User Interface Equipment	Tailored Route	D, E, F
		Regional ITS Management Center	User Interface Equipment	Tailored Route	D, E, F
		Tailored Traveler Information Provider(s)	User Interface Equipment	Tailored Route	D, E, F
		Information Provider(s)	User Interface Equipment	Tailored Trip Itinerary	D, E, F
		Regional ITS Management Center	User Interface Equipment	Tailored Trip Itinerary	D, E, F
		Other Transit Management Center(s)	User Interface Equipment	Tailored Trip Itinerary	D, E, F
		Tailored Traveler Information Provider(s)	User Interface Equipment	Tailored Trip Itinerary	D, E, F
		Toll Authority Center(s)	User Interface Equipment	Tolls	D
		Regional ITS Management System	User Interface Equipment	Transit Fares	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B01	Regional ITS Management System	User Interface Equipment	Transit Route	D
		Regional ITS Management System	User Interface Equipment	Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	User Interface Equipment	Travel Conditions-1	D
		Tailored Traveler Information Provider(s)	User Interface Equipment	Travel Conditions-2	D
	B02	External Information Source(s)	Tailored Traveler Information Provider(s)	Link Reference Model	D
		Transit Service Provider(s)	Tailored Traveler Information Provider(s)	Mode Use Information	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Mode Use Information	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Parking Fees	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Tolls	D
		Toll Authority Center(s)	Tailored Traveler Information Provider(s)	Tolls	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Transit Fares	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Transit Route	Lb
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Transit Route Schedule	D
		Inter-Jurisdictional Transit System	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Transit Service Provider(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B02	Information Provider(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Demand Responsive Transit Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Regional ITS Management Center	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Other Transit Management Center(s)	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Transit Information Distribution Equipment	Tailored Traveler Information Provider(s)	Travel Conditions Request	D
		Transit Information Distribution Equipment	Tailored Traveler Information Provider(s)	Trip Request	D
		User Interface Equipment	Tailored Traveler Information Provider(s)	Trip Request	D, E, Te, P
		External Information Source(s)	Information Provider(s)	Link Reference Model	D
		Regional ITS Management System	Information Provider(s)	Mode Use Information	D
B03		Transit Service Provider(s)	Information Provider(s)	Mode Use Information	D
		Regional ITS Management System	Information Provider(s)	Parking Fees	D
		Toll Authority Center(s)	Information Provider(s)	Tolls	D
		Regional ITS Management System	Information Provider(s)	Transit Fares	D
		Regional ITS Management System	Information Provider(s)	Transit Route	D
		Regional ITS Management System	Information Provider(s)	Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	Information Provider(s)	Travel Conditions- 1	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B03	Tailored Traveler Information Provider(s)	Information Provider(s)	Travel Conditions-2	D
		Transit Information Distribution Equipment	Information Provider(s)	Trip Request	D
		User Interface Equipment	Information Provider(s)	Trip Request	D, E, Te, P
	B04	External Information Source(s)	Transit Service Provider(s)	Link Reference Model	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Transit Service Provider(s)	Travel Conditions-2	D
		Transit Vehicle	Transit Service Provider(s)	Detour Request	D, Cr
	B05	Transit Service Provider(s)	Transit Vehicle	Detour Route	D, Cr
	B07	External Information Source(s)	Regional ITS Management Center	Link Reference Model	D
		Regional ITS Management System	Regional ITS Management Center	Mode Use Information	D
Parking Management Center(s)		Regional ITS Management Center	Parking Fees	D	
		Other Transit Management Center(s)	Regional ITS Management Center	Transit Fares	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Regional ITS Management Center	Travel Conditions-2	D
		Transit Information Distribution Equipment	Regional ITS Management Center	Trip Request	D
		User Interface Equipment	Regional ITS Management Center	Trip Request	D, E, Te, P
B08	External Information Source(s)	Other Transit Management Center(s)	Link Reference Model	D	

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B08	Regional ITS Management System	Other Transit Management Center(s)	Mode Use Information	D
		Parking Management Center(s)	Other Transit Management Center(s)	Parking Fees	D
		Regional ITS Management Center	Other Transit Management Center(s)	Transit Fares	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Other Transit Management Center(s)	Travel Conditions-2	D
		User Interface Equipment	Other Transit Management Center(s)	Trip Request	D, E, Te, P
		Transit Information Distribution Equipment	Other Transit Management Center(s)	Trip Request	D
		External Information Source(s)	Transit Information Distribution Equipment	Link Reference Model	D
		Regional ITS Management System	Transit Information Distribution Equipment	Mode Use Information	D
		Parking Management Center(s)	Transit Information Distribution Equipment	Parking Fees	D
B09		Other Transit Management Center(s)	Transit Information Distribution Equipment	Tailored Directions	D
		Regional ITS Management Center	Transit Information Distribution Equipment	Tailored Directions	D
		Information Provider(s)	Transit Information Distribution Equipment	Tailored Directions	D
		Tailored Traveler Information Provider(s)	Transit Information Distribution Equipment	Tailored Directions	D

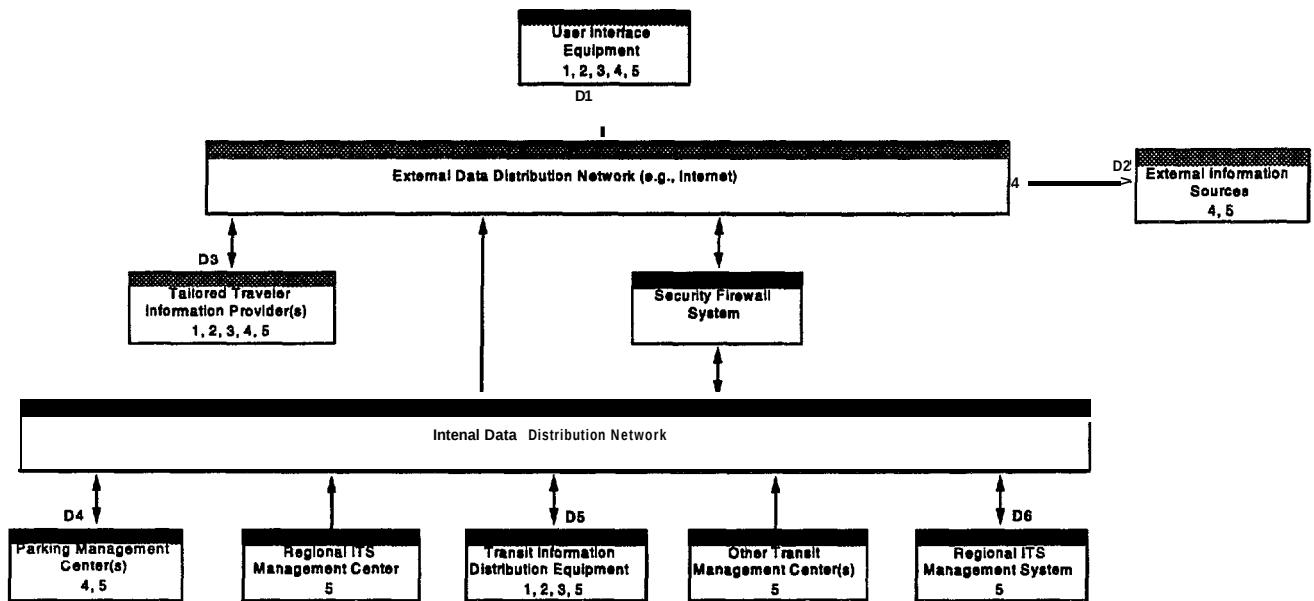
Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B09	Regional ITS Management Center	Transit Information Distribution Equipment	Tailored Route	D
		Other Transit Management Center(s)	Transit Information Distribution Equipment	Tailored Route	D
		Information Provider(s)	Transit Information Distribution Equipment	Tailored Route	D
		Tailored Traveler Information Provider(s)	Transit Information Distribution Equipment	Tailored Route	D
		Other Transit Management Center(s)	Transit Information Distribution Equipment	Tailored Trip Itinerary	D
		Regional ITS Management Center	Transit Information Distribution Equipment	Tailored Trip Itinerary	D
		Tailored Traveler Information Provider(s)	Transit Information Distribution Equipment	Tailored Trip Itinerary	D
		Information Provider(s)	Transit Information Distribution Equipment	Tailored Trip Itinerary	D
		Other Transit Management Center(s)	Transit Information Distribution Equipment	Transit Fares	D
		Regional ITS Management Center	Transit information Distribution Equipment	Transit Fares	D
		Regional ITS Management System	Transit Information Distribution Equipment	Transit Route	D
		Regional ITS Management System	Transit Information Distribution Equipment	Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	Transit Information Distribution Equipment	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Transit Information Distribution Equipment	Travel Conditions-2	D
		External Information Source(s)	Regional ITS Management System	Link Reference Model	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B10	Regional ITS Management Center	Regional ITS Management System	Mode Use Information	D
		Transit Service Provider(s)	Regional ITS Management System	Mode Use Information	D
		Other Transit Management Center(s)	Regional ITS Management System	Mode Use Information	D
		Demand Responsive Transit Center(s)	Regional ITS Management System	Mode Use Information	D
		Parking Management Center(s)	Regional ITS Management System	Parking Fees	D
		Toll Authority Center(s)	Regional ITS Management System	Tolls	D
		Other Transit Management Center(s)	Regional ITS Management System	Transit Fares	D
		Regional ITS Management Center	Regional ITS Management System	Transit Fares	D
		Other Transit Management Center(s)	Regional ITS Management System	Transit Route	D
		Regional ITS Management Center	Regional ITS Management System	Transit Route	D
		Other Transit Management Center(s)	Regional ITS Management System	Transit Route Schedule	D
		Regional ITS Management Center	Regional ITS Management System	Transit Route Schedule	D
		External Information Source(s)	Inter-Jurisdictional Transit System	Link Reference Model	D
		Regional ITS Management Center	Inter-Jurisdictional Transit System	Mode Use Information	D
B11		Regional ITS Management System	Inter-Jurisdictional Transit System	Mode Use Information	D
		Other Transit Management Center(s)	Inter-Jurisdictional Transit System	Mode Use Information	D
		Parking Management Center(s)	Inter-Jurisdictional Transit System	Parking Fees	D
		Other Transit Management Center(s)	Inter-Jurisdictional Transit System	Transit Fares	D

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	BII	Regional ITS Management Center	Inter-Jurisdictional Transit System	Transit Fares	D
		Other Transit Management Center(s)	Inter-Jurisdictional Transit System	Transit Route	D
		Regional ITS Management Center	Inter-Jurisdictional Transit System	Transit Route	D
		Other Transit Management Center(s)	Inter-Jurisdictional Transit System	Transit Route Schedule	D
		Regional ITS Management Center	Inter-Jurisdictional Transit System	Transit Route Schedule	D
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Transit System	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Inter-Jurisdictional Transit System	Travel Conditions-2	D
		External Information Source(s)	Demand Responsive Transit Center(s)	Link Reference Model	D
B12		Regional ITS Management System	Demand Responsive Transit Center(s)	Mode Use Information	D
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions- 1	D
		Tailored Traveler Information Provider(s)	Demand Responsive Transit Center(s)	Travel Conditions-2	D
		Transit Vehicle	Regional ITS Management Center	Detour Request	D, Cr
B14		Transit Vehicle	Other Transit Management Center(s)	Detour Request	D, Cr
B15		Transit Vehicle	Demand Responsive Transit Center(s)	Detour Request	D, Cr
B16		Regional ITS Management Center	Transit Vehicle	Detour Route	D, Cr
B17		Other Transit Management Center(s)	Transit Vehicle	Detour Route	D, Cr

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TPD	B18	Demand Responsive Transit Center(s)	Transit Vehicle	Detour Route	D, Cr

The architecture shown in Figure 93, Travel Services Information - Physical Architecture, shows how the various Minnesota ITS components are interconnected to provide the Travel Services Information Service. Arrows between the components are labeled with tags for identifying the input data flows to a component. The table entries that follow the figure associate each tag with the corresponding component input data flows.



TSISPHYS-a

Figure 93. Traveler Services Information - Physical Architecture

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TSI	D01	External Information Source(s)	User Interface Equipment	Airline Data	D
		External Information Source(s)	User Interface Equipment	Emergency Medical Facilities Data	D
		External Information Source(s)	User Interface Equipment	Entertainment Data	D
		External Information Source(s)	User Interface Equipment	Fuel/Vehicle Services Data	D
		External Information Source(s)	User Interface Equipment	Link Reference Model	D
		External Information Source(s)	User Interface Equipment	Lodging/Camping Data	D
		Regional ITS Management System	User Interface Equipment	Mode Use Information	D
		Regional ITS Management System	User Interface Equipment	Parking Data	D
		External Information Source(s)	User Interface Equipment	Planned Event Data	D
		External Information Source(s)	User Interface Equipment	Recreational Areas Data	D
		External Information Source(s)	User Interface Equipment	Rental Vehicle Data	D
		External Information Source(s)	User Interface Equipment	Reservation/Ticket Confirmation	D, E, F, P
		Parking Management Center(s)	User Interface Equipment	Reservation/Ticket Confirmation	D, E, F, P
		External Information Source(s)	User Interface Equipment	Restaurant Data	D
		External Information Source(s)	User Interface Equipment	Shopping Data	D
		Tailored Traveler Information Provider(s)	User Interface Equipment	Tailored Traveler Information	6, E, F, P, Te
		Tailored Traveler Information Provider(s)	User Interface Equipment	Tailored Trip Itinerary	D, E, F
		External Information Source(s)	User Interface Equipment	Tourist Sight Data	D
		User Interface Equipment	External Information Source(s)	Reservation/Ticket Request	D, E, F, P
		Tailored Traveler Information Provider(s)	External Information Source(s)	Reservation/Ticket Request	D, E, F, P

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TSI	D03	External Information Source(s)	Tailored Traveler Information Provider(s)	Airline Data	D, F, E
		External Information Source(s)	Tailored Traveler Information Provider(s)	Emergency Medical Facilities Data	D, F, E
		External Information Source(s)	Tailored Traveler Information Provider(s)	Entertainment Data	D, F, E, P
		External Information Source(s)	Tailored Traveler Information Provider(s)	Fuel/Vehicle Services Data	D, F, E
		External Information Source(s)	Tailored Traveler Information Provider(s)	Link Reference Model	D
		External Information Source(s)	Tailored Traveler Information Provider(s)	Lodging/Camping Data	D, F, E
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Mode Use Information	D
		Regional ITS Management System	Tailored Traveler Information Provider(s)	Parking Data	D
		External Information Source(s)	Tailored Traveler Information Provider(s)	Planned Event Data	D F, E, P
		External Information Source(s)	Tailored Traveler Information Provider(s)	Recreational Areas Data	D, F, E
		External Information Source(s)	Tailored Traveler Information Provider(s)	Rental Vehicle Data	D, F, E
		Parking Management Center(s)	Tailored Traveler Information Provider(s)	Reservation/Ticket Confirmation	D, E, F, P
		External Information Source(s)	Tailored Traveler Information Provider(s)	Reservation/Ticket Confirmation	D, E, F, P
		External Information Source(s)	Tailored Traveler Information Provider(s)	Restaurant Data	D, F, E

Service	Tag	Source Component	Destination Component	Data Flow Name	Interface Type
TSI	D03	External Information Source(s)	Tailored Traveler Information Provider(s)	Shopping Data	D, F, E
		External Information Source(s)	Tailored Traveler Information Provider(s)	Tourist Sight Data	D, F, E
		User Interface Equipment	Tailored Traveler Information Provider(s)	Traveler Services Request	D, E, F, Te, P
	D04	Tailored Traveler Information Provider(s)	Parking Management Center(s)	Reservation/Ticket Request	D, E,F, P
		User Interface Equipment	Parking Management Center(s)	Reservation/Ticket Request	D E, F, P
		External Information Source(s)	Transit Information Distribution Equipment	Emergency Medical Facilities Data	D
	D05	External Information Source(s)	Transit Information Distribution Equipment	Entertainment Data	D
		External Information Source(s)	Transit Information Distribution Equipment	Link Reference Model	D
		External Information Source(s)	Transit Information Distribution Equipment	Lodging/Camping Data	D
	Regional ITS Management System	Regional ITS Management System	Transit Information Distribution Equipment	Mode Use Information	D
		External Information Source(s)	Transit Information Distribution Equipment	Planned Event Data	D
		External Information Source(s)	Transit Information Distribution Equipment	Recreational Areas Data	D
	External Information Source(s)	External Information Source(s)	Transit Information Distribution Equipment	Restaurant Data	D
		External Information Source(s)	Transit Information Distribution Equipment	Shopping Data	D
		External Information Source(s)	Transit Information Distribution Equipment	Tourist Sight Data	D

Service	Tag	Source Component	Destination	Component	Data Flow Name	Interface Type
TSI	D06	External Information Source(s)	Regional ITS Management System	Link Reference Model		D
		Other Transit Management Center(s)	Regional ITS Management System	Mode Use Information		D
		Regional ITS Management Center	Regional ITS Management System	Mode Use Information		D
		Parking Management Center(s)	Regional ITS Management System	Parking Data		D