

Appendix D: Physical and Functional Objects by Inventory Elements

Element Name	Physical Object	Functional Object
Automatic Anti-Icing System	ITS Roadway Equipment	Roadway Automated Treatment
CCTV Camera System (City of Chicago)	ITS Roadway Equipment	Roadway Basic Surveillance
CCTV Camera System (IDOT)	ITS Roadway Equipment	Roadway Basic Surveillance Roadway Incident Detection
CCTV Camera System (ISTHA)	ITS Roadway Equipment	Roadway Basic Surveillance Roadway Incident Detection
CCTV Camera System (Municipal/County)	ITS Roadway Equipment	Roadway Basic Surveillance Roadway Incident Detection
CCTV Camera System (Rest Areas)	Security Monitoring Equipment	Field Secure Area Surveillance
City Centric District Hub	Archived Data System	Archive Data Repository
		Archive On-Line Analysis and Mining
	Emergency Management Center	Emergency Call-Taking
	Traffic Management Center	TMC Incident Dispatch Coordination
		TMC Safeguard System Management
		TMC Speed Warning
		TMC Traffic Information Dissemination
	Transportation Information Center	TIC Emergency Traveler Information
		TIC Operations Data Collection
		TIC Traveler Information Broadcast
TIC Traveler Telephone Information		
TIC Trip Planning		
City Transit Agency Dispatch	Transit Management Center	Transit Center Data Collection
		Transit Center Fare Management
		Transit Center Fixed-Route Operations
		Transit Center Information Services
		Transit Center Multi-Modal Coordination
		Transit Center Paratransit Operations
		Transit Center Security
		Transit Center Vehicle Tracking
Transit Garage Maintenance		
City Transit Agency Vehicles	Transit Vehicle OBE	Transit Vehicle On-Board Fare Management
		Transit Vehicle On-Board Information Services
		Transit Vehicle On-Board Maintenance
		Transit Vehicle On-Board Paratransit Operations
		Transit Vehicle On-Board Trip Monitoring
		Transit Vehicle Schedule Management
		Transit Vehicle Security
Transit Vehicle Signal Priority		
Community Centric District Hub	Archived Data System	Archive Data Repository
		Archive On-Line Analysis and Mining
	Emergency Management Center	Emergency Call-Taking
	Traffic Management Center	TMC Incident Dispatch Coordination
		TMC Safeguard System Management
		TMC Speed Warning
		TMC Traffic Information Dissemination
	Transportation Information Center	TIC Emergency Traveler Information
		TIC Operations Data Collection
		TIC Traveler Information Broadcast
TIC Traveler Telephone Information		
TIC Trip Planning		

Appendix D: Physical and Functional Objects by Inventory Elements

Element Name	Physical Object	Functional Object
Community Transit Agency Dispatch	Center	Center Data Collection
		Center Data Subscription Management
	Transit Management Center	Transit Center Data Collection
		Transit Center Fare Management
		Transit Center Information Services
		Transit Center Multi-Modal Coordination
		Transit Center Paratransit Operations
		Transit Center Priority Management
		Transit Center Security
		Transit Center Vehicle Tracking
		Transit Evacuation Support
Transit Garage Maintenance		
Community Transit Vehicles	Transit Vehicle OBE	Transit Vehicle On-Board Fare Management
		Transit Vehicle On-Board Information Services
		Transit Vehicle On-Board Maintenance
		Transit Vehicle On-Board Paratransit Operations
		Transit Vehicle On-Board Trip Monitoring
		Transit Vehicle Security
Transit Vehicle Signal Priority		
Commuter Rail Operations		
Contract Taxi Operators		
County Emergency Dispatch - PSAP	Emergency Management Center	Emergency Call-Taking
		Emergency Data Collection
		Emergency Dispatch
		Emergency Early Warning System
		Emergency Environmental Monitoring
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Notification Support
		Emergency Response Management
		Emergency Routing
		Emergency Secure Area Alarm Support
		Emergency Secure Area Sensor Management
		Emergency Secure Area Surveillance
	Traffic Management Center	TMC Service Patrol Management
County Maintenance and Construction Dispatch	Maint and Constr Management Center	MCM Environmental Information Processing
		MCM Infrastructure Monitoring
		MCM Maintenance Decision Support
		MCM Roadway Maintenance
		MCM Vehicle Maintenance Management
		MCM Vehicle Tracking
		MCM Winter Maintenance Management
MCM Work Activity Coordination		

Appendix D: Physical and Functional Objects by Inventory Elements

Element Name	Physical Object	Functional Object
County Maintenance and Construction Vehicles	Maint and Constr Vehicle OBE	MCV Environmental Monitoring
		MCV Infrastructure Monitoring
		MCV Roadway Maintenance and Construction
		MCV Vehicle Location Tracking
		MCV Vehicle Safety Monitoring
		MCV Vehicle System Monitoring and Diagnostics
		MCV Winter Maintenance
		MCV Work Zone Support
County Maintenance and Construction Website	Maint and Constr Management Center	MCM Work Activity Coordination
	Transportation Information Center	TIC Traveler Information Broadcast
Dept of Driver Services		
Detectorization		
DMS (IDOT)	ITS Roadway Equipment	Roadway Traffic Information Dissemination
DMS (ISTHA)	ITS Roadway Equipment	Roadway Traffic Information Dissemination
DMS (Municipal/County)	ITS Roadway Equipment	Roadway Traffic Information Dissemination
Driver		
Dynamic Warning Systems	Connected Vehicle Roadside Equipment	RSE Traveler Information Communications
	ITS Roadway Equipment	Roadway Speed Monitoring and Warning
Emergency Call Boxes	Traveler Support Equipment	Traveler Security
Emergency Patrol Vehicles	Emergency Vehicle OBE	EV On-Board En Route Support
		EV On-Board Incident Management Communication
		EV Service Patrol Vehicle Operations
Emergency Vehicle Preemption System	ITS Roadway Equipment	Roadway Signal Preemption
Emergency Vehicles	Emergency Vehicle OBE	EV On-Board En Route Support
		EV On-Board Incident Management Communication
		EV Service Patrol Vehicle Operations
ETS/911 System		
Gateway Guide Website	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
Gateway Travel Information Website	Archived Data System	Archive Data Repository
	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
HAR	ITS Roadway Equipment	Roadway Traffic Information Dissemination
HAZMAT Management and Cleanup	Fleet and Freight Management Center	Freight Administration and Management

Appendix D: Physical and Functional Objects by Inventory Elements

Element Name	Physical Object	Functional Object	
HAZMAT Response Vehicle	Emergency Vehicle OBE	EV On-Board En Route Support	
		EV On-Board Incident Management Communication	
		EV Service Patrol Vehicle Operations	
HELP Vehicles			
Highway Rail Information Systems	ITS Roadway Equipment	Roadway Standard Rail Crossing	
Hospitals/ Medical Centers			
HRI Quad/Dual Gate Systems	ITS Roadway Equipment	Roadway Standard Rail Crossing	
IDOT Bureau of Local Roads Construction Coordination System	Maint and Constr Management Center	MCM Data Collection	
		MCM Roadway Maintenance	
		MCM Work Activity Coordination	
IDOT District Communication Center	Archived Data System	Archive Data Repository	
		Archive Government Reporting	
		Archive On-Line Analysis and Mining	
		Archive Situation Data Archival	
	Center	Center Data Collection	
		Center Data Subscription Management	
	Emergency Management Center	Emergency Call-Taking	
	Maint and Constr Management Center	Maint and Constr Management Center	MCM Data Collection
			MCM Environmental Information Collection
			MCM Environmental Information Processing
			MCM Incident Management
			MCM Infrastructure Monitoring
			MCM Maintenance Decision Support
			MCM Roadway Maintenance
			MCM Winter Maintenance Management
			MCM Work Activity Coordination
			MCM Work Zone Management
			MCM Work Zone Safety Management
	Traffic Management Center	Traffic Management Center	TMC Advanced Rail Crossing Management
			TMC Basic Surveillance
			TMC Data Collection
			TMC Evacuation Support
			TMC Incident Detection
			TMC Incident Dispatch Coordination
			TMC Regional Traffic Management
			TMC Standard Rail Crossing Management
			TMC Traffic Information Dissemination
			TMC Traffic Metering
			IDOT District Construction Website
	IDOT District Kiosks	Traveler Support Equipment	Traveler Information Reception
			Traveler Interactive Information

Appendix D: Physical and Functional Objects by Inventory Elements

Element Name	Physical Object	Functional Object
IDOT District Maintenance Dispatch	Archived Data System	Archive Data Repository
	Maint and Constr Management Center	MCM Data Collection
		MCM Incident Management
		MCM Maintenance Decision Support
		MCM Roadway Maintenance
		MCM Vehicle Maintenance Management
		MCM Vehicle Tracking
		MCM Winter Maintenance Management
		MCM Work Activity Coordination
		MCM Work Zone Management
	MCM Work Zone Safety Management	
Transportation Information Center	TIC Emergency Traveler Information	
	TIC Operations Data Collection	
IDOT District Maintenance Field Equipment	ITS Roadway Equipment	Roadway Work Zone Traffic Control
IDOT District Maintenance Vehicles	Maint and Constr Vehicle OBE	MCV Infrastructure Monitoring
		MCV Roadway Maintenance and Construction
		MCV Vehicle System Monitoring and Diagnostics
		MCV Winter Maintenance
		MCV Work Zone Support
IDOT Geographic Information Services (GIS)		
IDOT Road Condition Telephone Line	Transportation Information Center	TIC Interactive Traveler Information
		TIC Traveler Telephone Information
IDOT RWIS System Display	Transportation Information Center	TIC Traveler Information Broadcast
IDOT Statewide Transportation Websites	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
IDOT Traffic Systems Center (TSC)	Archived Data System	Archive Data Repository
		Archive Situation Data Archival
	Center	Center Data Collection
	Traffic Management Center	TMC Data Collection
		TMC Incident Detection
		TMC Incident Dispatch Coordination
		TMC Regional Traffic Management
		TMC Signal Control
		TMC Traffic Information Dissemination
TMC Traffic Metering		
IEPA	Emissions Management Center	Emissions Data Collection
		Emissions Data Management
Illinois Statewide Hub	Archived Data System	Archive Data Repository
		Archive Government Reporting
		Archive On-Line Analysis and Mining
		Archive Situation Data Archival
	Emergency Management Center	Emergency Data Collection
	Traffic Management Center	TMC Data Collection
Transportation Information Center	TIC Operations Data Collection	
IPASS	ITS Roadway Payment Equipment	Roadway Payment Support
		Roadway Toll Collection Support
IREACH	Emergency Management Center	Emergency Evacuation Support
		Emergency Incident Command
		Emergency Response Management

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Element Name	Physical Object	Functional Object
ISP Dispatch	Archived Data System Emergency Management Center	Archive Data Repository
		Emergency Call-Taking
		Emergency Commercial Vehicle Response
		Emergency Dispatch
		Emergency Early Warning System
		Emergency Environmental Monitoring
		Emergency Incident Command
		Emergency Response Management
Emergency Routing		
ISP Vehicles	Emergency Vehicle OBE	EV On-Board Incident Management Communication
ISP Winter Road Condition Telephone Line	Transportation Information Center	TIC Traveler Telephone Information
ISPERN	Emergency Management Center	Emergency Early Warning System
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Response Management
ISTHA TMC (TIMS)	Archived Data System	Archive Data Repository
		Archive Government Reporting
		Archive On-Line Analysis and Mining
		Archive Situation Data Archival
	Payment Administration Center	PAC Data Collection
		PAC Payment Administration
Transportation Information Center	TIC Interactive Traveler Information	
	TIC Operations Data Collection	
IWIN	Emergency Management Center	Emergency Early Warning System
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Response Management
Large Bus Transit Agency Dispatch	Transit Management Center	Transit Center Data Collection
		Transit Center Fare Management
		Transit Center Fixed-Route Operations
		Transit Center Information Services
		Transit Center Multi-Modal Coordination
		Transit Center Priority Management
		Transit Center Security
		Transit Center Vehicle Tracking
		Transit Evacuation Support
		Transit Garage Maintenance
Large Bus Transit Agency Vehicles	Transit Vehicle OBE	Transit Vehicle On-Board Fare Management
		Transit Vehicle On-Board Information Services
		Transit Vehicle On-Board Maintenance
		Transit Vehicle On-Board Trip Monitoring
		Transit Vehicle Schedule Management
		Transit Vehicle Security
		Transit Vehicle Signal Priority
Local Media		
MABAS	Emergency Management Center	Emergency Dispatch
		Emergency Incident Command
		Emergency Response Management
MCR System		
Medical Carriers	Emergency Management Center	Emergency Dispatch
		Emergency Routing
MMIS	Archived Data System	Archive Data Repository
	Maint and Constr Management Center	MCM Infrastructure Monitoring
		MCM Roadway Maintenance
		MCM Winter Maintenance Management

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Element Name	Physical Object	Functional Object
Municipal EMCs	Emergency Management Center	Emergency Call-Taking
		Emergency Commercial Vehicle Response
		Emergency Dispatch
		Emergency Early Warning System
		Emergency Environmental Monitoring
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Notification Support
		Emergency Response Management
		Emergency Routing
		Emergency Secure Area Alarm Support
		Emergency Secure Area Sensor Management
		Emergency Secure Area Surveillance
Municipal Emergency Dispatch - PSAP	Emergency Management Center	Emergency Call-Taking
		Emergency Commercial Vehicle Response
		Emergency Dispatch
		Emergency Early Warning System
		Emergency Environmental Monitoring
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Notification Support
		Emergency Response Management
		Emergency Routing
		Emergency Secure Area Alarm Support
		Emergency Secure Area Sensor Management
		Emergency Secure Area Surveillance
	Traffic Management Center	TMC Service Patrol Management
Municipal Maintenance and Construction Dispatch	Archived Data System	Archive Data Repository
	Maint and Constr Management Center	MCM Data Collection
		MCM Environmental Information Processing
		MCM Incident Management
		MCM Maintenance Decision Support
		MCM Roadway Maintenance
		MCM Vehicle Maintenance Management
		MCM Vehicle Tracking
		MCM Winter Maintenance Management
		MCM Work Activity Coordination
Municipal Maintenance Field Equipment	ITS Roadway Equipment	Roadway Advanced Rail Crossing
		Roadway Basic Surveillance
		Roadway Data Collection
		Roadway Environmental Monitoring
		Roadway Signal Control
		Roadway Work Zone Safety
		Roadway Work Zone Traffic Control
Municipal Maintenance Vehicles	Maint and Constr Vehicle OBE	MCV Environmental Monitoring
		MCV Roadway Maintenance and Construction
		MCV Vehicle Location Tracking
		MCV Vehicle Safety Monitoring
		MCV Vehicle System Monitoring and Diagnostics
		MCV Winter Maintenance
MCV Work Zone Support		

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Element Name	Physical Object	Functional Object
Municipal TMCs	Center	Center Data Collection
		Center Data Subscription Management
	Traffic Management Center	TMC Advanced Rail Crossing Management
		TMC Barrier System Management
		TMC Basic Surveillance
		TMC Incident Detection
		TMC Incident Dispatch Coordination
		TMC Safeguard System Management
		TMC Signal Control
		TMC Standard Rail Crossing Management
		TMC Traffic Information Dissemination
TMC Work Zone Traffic Management		
Other Rural Transit Agencies		
Other Urban Transit Agencies		
Parking Management System	Parking Management System	Parking Coordination
		Parking Data Collection
		Parking Management
		Parking Park and Ride Operations
Private Carrier Operations	Fleet and Freight Management Center	Fleet Administration
		Fleet Credentials and Taxes Management and Reporting
		Freight Administration and Management
Private ISPs	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
		TIC Traveler Telephone Information
Rail Freight Operations		
Rail Passenger Operations		
Rail Transit Operations		
Ramp Merge Warning System	ITS Roadway Equipment	Roadway Traffic Metering
Ramp Meter Systems	ITS Roadway Equipment	Roadway Traffic Metering
Regional Airports		
Roadside Equipment for In-Vehicle Signing	Connected Vehicle Roadside Equipment	RSE Traveler Information Communications
Rural Centric District Hub	Archived Data System	Archive Data Repository
	Emergency Management Center	Emergency Call-Taking
		Emergency Dispatch
		Emergency Early Warning System
		Emergency Notification Support
		Emergency Routing
		Emergency Secure Area Alarm Support
		Emergency Secure Area Sensor Management
		Emergency Secure Area Surveillance
	Traffic Management Center	TMC Incident Dispatch Coordination
		TMC In-Vehicle Signing Management
		TMC Regional Traffic Management
		TMC Roadway Equipment Monitoring
		TMC Signal Control
		TMC Speed Warning
		TMC Traffic Information Dissemination
	TMC Work Zone Traffic Management	
Transportation Information Center	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
		TIC Traveler Telephone Information
		TIC Trip Planning

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Element Name	Physical Object	Functional Object
Rural Transit Agency Dispatch	Archived Data System	Archive Data Repository
	Center	Center Data Collection
		Center Data Subscription Management
	Transit Management Center	Transit Center Data Collection
		Transit Center Emissions Monitoring
		Transit Center Environmental Monitoring
		Transit Center Information Services
		Transit Center Multi-Modal Coordination
		Transit Center Paratransit Operations
		Transit Center Priority Management
		Transit Center Vehicle Tracking
Transit Evacuation Support		
Transit Garage Maintenance		
Rural Transit Agency Vehicles	Transit Vehicle OBE	Transit Vehicle On-Board Information Services
		Transit Vehicle On-Board Maintenance
		Transit Vehicle On-Board Paratransit Operations
		Transit Vehicle On-Board Trip Monitoring
RWIS	ITS Roadway Equipment	Roadway Environmental Monitoring
Security Monitoring Equipment		
Statewide Emergency Operations Center	Emergency Management Center	Emergency Early Warning System
		Emergency Environmental Monitoring
		Emergency Evacuation Support
		Emergency Incident Command
		Emergency Response Management
Statewide Incident Management System	Emergency Management Center	Emergency Early Warning System
Station One	Archived Data System	Archive Data Repository
		Archive Government Reporting
		Archive On-Line Analysis and Mining
		Archive Situation Data Archival
	Emergency Management Center	Emergency Early Warning System
		Emergency Evacuation Support
	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
Sub-Regional TMC	Center	Center Data Collection
		Center Data Subscription Management
	Traffic Management Center	TMC Basic Surveillance
		TMC Data Collection
		TMC Environmental Monitoring
		TMC Multi-Modal Coordination
		TMC Regional Traffic Management
		TMC Signal Control
		TMC Traffic Information Dissemination
		TMC Work Zone Traffic Management
	Transportation Information Center	TIC Emergency Traveler Information
		TIC Interactive Traveler Information
		TIC Traveler Information Broadcast
		TIC Traveler Telephone Information
Toll Tag Reader	ITS Roadway Payment Equipment	Roadway Payment Support
		Roadway Toll Collection Support
Traffic Signal Systems	ITS Roadway Equipment	Roadway Data Collection
		Roadway Signal Control

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Element Name	Physical Object	Functional Object
Transit Information Signs	Personal Information Device	Personal Interactive Traveler Information Personal Traveler Information Reception
Transit Kiosks	Traveler Support Equipment	Transit Stop Information Services Traveler Fare Management Traveler Information Reception Traveler Interactive Information
Transit Signal Priority Systems		
Transit Trip Planning Mobile Device Support	Personal Information Device	Personal Interactive Traveler Information Personal Traveler Information Reception
Traveler		
Universal Fare Card		
User Personal Computing Devices	Personal Information Device	Personal Emergency Notification Personal Interactive Traveler Information Personal Local Route Guidance Personal Location Determination Personal Traveler Information Reception Personal Trip Planning and Route Guidance
Vehicle	Vehicle OBE	Vehicle Basic Toll/Parking Payment Vehicle Control Automation Vehicle Control Warning Vehicle Interactive Traveler Information Vehicle Intersection Warning Vehicle Local Route Guidance Vehicle Location Determination Vehicle Traveler Information Reception Vehicle Trip Planning and Route Guidance
Violation Enforcement Systems		
Weather Service Feed		
Work Zone Photoenforcement System	ITS Roadway Equipment	Roadway Work Zone Safety
Yellow Pages Service Provider		