

## X. ITS Standards:

ITS standards are technical specifications that are documented in the National ITS Architecture to ensure that the information flows in a regional ITS architecture are conducted in a technologically consistent manner with the National ITS Architecture. ITS standards are developed by a Standards Development Organization (SDO), and each ITS standard or standard group has a lead SDO or co-leading SDOs. ITS standard groups are groups comprised of individual ITS standards that function simultaneously in carrying out the purpose for which the SDO(s) created the group. In order to identify which standards and standard groups are relevant for the Northwest Indiana Regional ITS Architecture, the architecture development process described in Section II first identified the ITS elements and their information flows, and then the nature of these information flows were matched to corresponding standards from the National ITS Architecture.

Table 8 lists the names of the SDOs responsible for developing (and maintaining) the ITS standards and standard groups relevant to the Northwest Indiana Regional ITS Architecture.

**Table 8:** Standards Development Organizations (SDOs) Developing ITS Standards for Northwest Indiana Regional ITS Architecture

SDO Acronym	SDO Name
ANSI	American National Standards Institute
ASHTO	American Association of State Highway and Transportation Officials
APTA	American Public Transportation Association
ASTM	American Society for Testing and Materials
IEEE	Institute of Electrical and Electronics Engineers
ITE	Institute of Transportation Engineers
NEMA	National Electrical Manufacturers Association
SAE	Society of Automotive Engineers

Table 9 lists the acronym of the ITS standard groups identified as relevant to the Northwest Indiana Regional ITS Architecture (as explained above), the name of the ITS standard group, the lead SDO(s) of the standard group, and the acronym of the standards that are members of the standard group (with their name in parenthesis following the acronym).

**Table 9:** ITS Standard Groups, their Lead SDOs, and their Constituent Standards in the Northwest Indiana Regional ITS Architecture

<b>Standard Group Acronym</b>	<b>Standard Group Name</b>	<b>Lead SDO(s) of the Standard Group</b>	<b>Standards that Make up the Group</b>
ATIS General Use	Advanced Traveler Information Systems (ATIS) General Use Standards Group	SAE	SAE J2266 (Location Referencing Message Specification), SAE J2354 (Message Set for Advanced Traveler Information System), SAE J2369 (Standard for ATIS Message Sets Delivered Over Reduced Bandwidth Media), SAE J2540 (Messages for Handling Strings and Look-Up Tables in ATIS Standards), SAE J2540/1 (Radio Data System Phrase Lists), SAE J2540/2 (International Traveler Information Systems Phrase Lists), SAE J2540/3 (National Names Phrase List)
ATIS Low Bandwidth	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	SAE	SAE J2266 (Location Referencing Message Specification), SAE J2354 (Message Set for Advanced Traveler Information System), SAE J2369 (Standard for ATIS Message Sets Delivered Over Reduced Bandwidth Media), SAE J2540 (Messages for Handling Strings and Look-Up Tables in ATIS Standards), SAE J2540/1 (Radio Data System Phrase Lists), SAE J2540/2 (International Traveler Information Systems Phrase Lists), SAE J2540/3 (National Names Phrase List)

Standard Group Acronym	Standard Group Name	Lead SDO(s) of the Standard Group	Standards that Make up the Group
DSRC 5GHz	Dedicated Short Range Communication at 5.9 GHz Standards Group	ASTM, IEEE, SAE	ASTM E2213-03 (Standard Specification for Telecommunications and Information Exchange Between Roadside and Vehicle Systems - 5 GHz Band Dedicated Short Range Communications Medium Access Control and Physical Layer Specifications), IEEE 1609.1-2006 (Standard for Wireless Access in Vehicular Environments - Resource Manager), IEEE 1609.2-2006 (Standard for Wireless Access in Vehicular Environments - Security Services for Applications and Management Messages), IEEE 1609.3 (Standard for Wireless Access in Vehicular Environments - Networking Services), IEEE 1609.4-2006 (Standard for Wireless Access in Vehicular Environments - Multi-Channel Operation), IEEE 802.11p (Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part II: Wireless LAN Medium Access Control and Physical Layer Specification), IEEE P1609.0 (Standard for Wireless Access in Vehicular Environments – Architecture)
DSRC 915MHz	Dedicated Short Range Communication at 915 MHz Standards Group	ASTM	ASTM E2158-01 (Standard Specification for Dedicated Short Range Communication Physical Layer using Microwave in the 902-928 MHz Band)

Standard Group Acronym	Standard Group Name	Lead SDO(s) of the Standard Group	Standards that Make up the Group
IEEE IM	Incident Management Standards Group	IEEE	IEEE 1512 -2006 (Standard for Common Incident Management Message Sets for use by Emergency Management Centers), IEEE 1512.1-2006 (Standard for Traffic Incident Management Message Sets for Use by Emergency Management Centers), IEEE 1512.2-2004 (Standard for Public Safety Traffic Incident Management Message Sets for Use by Emergency Management Centers), IEEE 1512.3-2006 (Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers), IEEE P1512.4 (Standard for Common Traffic Incident Management Message Sets for Use in Entities External to Centers)
Mayday	On-board Vehicle Mayday Standards Group	SAE	SAE J2266 (Location Referencing Message Specification), SAE J2313 (On-Board Land Vehicle Mayday Reporting Interface), SAE J2354 (Message Set for Advanced Traveler Information System), SAE J2540 (Messages for Handling Strings and Look-Up Tables in ATIS Standards), SAE J2540/1 (Radio Data System Phrase Lists), SAE J2540/2 (International Traveler Information Systems Phrase Lists), SAE J2540/3 (National Names Phrase List)
NTCIP C2C	NTCIP Center-to-Center Standards Group	AASHTO, ITE, NEMA	NTCIP 1102 (Octet Encoding Rules Base Protocol), NTCIP 1104 (Center-to-Center Naming Convention Specification), NTCIP 2104 (Ethernet Subnetwork Profile), NTCIP 2202 (Internet Transport Profile), NTCIP 2303 (File Transfer Protocol Application Profile), NTCIP 2304 (Application Profile for DTEX-ASN), NTCIP 2306 (Application Profile for XML Message Encoding and Transport in ITS Center-to-Center Communications)

<b>Standard Group Acronym</b>	<b>Standard Group Name</b>	<b>Lead SDO(s) of the Standard Group</b>	<b>Standards that Make up the Group</b>
NTCIP C2F	NTCIP Center-to-Field Standards Group	AASHTO, ITE, NEMA	NTCIP 1102 (Octet Encoding Rules Base Protocol), NTCIP 1103 (Transportation Management Protocols), NTCIP 2101 (Point to Multi-Point Protocol Using RS-232 Subnetwork Profile), NTCIP 2102 (Point to Multi-Point Protocol Using FSK Modem Subnetwork Profile), NTCIP 2103 (Point-to-Point Protocol Over RS-232 Subnetwork Profile), NTCIP 2104 (Ethernet Subnetwork Profile), NTCIP 2201 (Transportation Transport Profile), NTCIP 2202 (Internet Transport Profile), NTCIP 2301 (Simple Transportation Management Framework Application Profile), NTCIP 2302 (Trivial File Transfer Protocol Application Profile), NTCIP 2303 (File Transfer Protocol Application Profile)

Table 10 then lists the remaining ITS Standards that are not members of any of the standards groups, but are still relevant to the Northwest Indiana Regional ITS Architecture.

**Table 10:** ITS Standards and Their Lead SDOs in the Northwest Indiana Regional ITS Architecture

<b>Standard Acronym</b>	<b>Standard Name</b>	<b>Lead SDO(s) of the Standard</b>
ANSI TS813	Electronic Filing of Tax Return Data	ANSI
APTA TCIP-S-001 3.0.4	Standard for Transit Communications Interface Profiles	APTA
ASTM E2468-05	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM
ASTM E2665-08	Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM

<b>Standard Acronym</b>	<b>Standard Name</b>	<b>Lead SDO(s) of the Standard</b>
IEEE 1455-1999	Standard for Message Sets for Vehicle/Roadside Communications	IEEE
IEEE 1570-2002	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE
IEEE P1609.11	Standard for Wireless Access in Vehicular Environments (WAVE) – Over-the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE
ITE TMDD	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	AASHTO, ITE
NTCIP 1201	Global Object Definitions	AASHTO, ITE, NEMA
NTCIP 1202	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	AASHTO, ITE, NEMA
NTCIP 1203	Object Definitions for Dynamic Message Signs (DMS)	AASHTO, ITE, NEMA
NTCIP 1204	Object Definitions for Environmental Sensor Stations (ESS)	AASHTO, ITE, NEMA
NTCIP 1205	Object Definitions for Closed Circuit Television (CCTV) Camera Control	AASHTO, ITE, NEMA
NTCIP 1206	Object Definitions for Data Collection and Monitoring (DCM) Devices	AASHTO, ITE, NEMA
NTCIP 1207	Object Definitions for Ramp Meter Control (RMC) Units	AASHTO, ITE, NEMA
NTCIP 1208	Object Definitions for Closed Circuit Television (CCTV) Switching	AASHTO, ITE, NEMA
NTCIP 1209	Data Element Definitions for Transportation Sensor Systems (TSS)	AASHTO, ITE, NEMA

<b>Standard Acronym</b>	<b>Standard Name</b>	<b>Lead SDO(s) of the Standard</b>
NTCIP 1210	Field Management Stations (FMS) – Part 1: Object Definitions for Signal System Masters	AASHTO, ITE, NEMA
NTCIP 1211	Object Definitions for Signal Control and Prioritization (SCP)	AASHTO, ITE, NEMA
NTCIP 1214	Object Definitions for Conflict Monitor Units (CMU)	AASHTO, ITE, NEMA
SAE J2395	ITS In-Vehicle Message Priority	SAE
SAE J2396	Definitions and Experimental Measures Related to the Specification of Driver Visual Behavior Using Video Based Techniques	SAE
SAE J2399	Adaptive Cruise Control (ACC) Operating Characteristics and User Interface	SAE
SAE J2400	Human Factors in Forward Collision Warning Systems: Operating Characteristics and User Interface Requirements	SAE
SAE J2735	Dedicated Short Range Communications (DSRC) Message Set Dictionary	SAE

Table 11 is a report about the ITS standards and standard groups that are relevant to the ITS information flows identified in the Northwest Indiana Regional ITS Architecture.

## Relevant Standards Activities

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### Standards for Northwest Indiana Regional Intelligent Transportation System

**NOTE: The ITS standards presented in this report may represent a superset of options, and in some cases, provide redundant capabilities. In addition, these ITS standards are at different maturity levels. Care should be taken to select the standards that best meet the needs of the region or project.**



Lead SDO	Standard Name	Document ID
<b>Flow: air quality information</b>		
Source: Indiana Emissions Management AASHTO/ITE/NEMA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
Source: Indiana Gateway AASHTO/ITE/NEMA	Destination: Media NTCIP Center-to-Center Standards Group	(See Table 9)
Source: Indiana Gateway AASHTO/ITE/NEMA	Destination: Private Information Service Providers NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: alarm acknowledge</b>		
Source: Borman TMC APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: ECT Agency Management APTA	Destination: ECT Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: ECT Agency Management APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: Emergency Medical Services APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: GPTC Agency Management APTA	Destination: GPTC Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: GPTC Agency Management APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: Indiana State Police District 13 APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: Indiana State Police District 21 (Toll Road) APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: NICTD Agency Management APTA	Destination: NICTD Rail Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: alarm notification</b>		



Table 11

<i>Source:</i> ECT Transit Vehicles APTA	<i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Kiosks APTA	<i>Destination:</i> Emergency Medical Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Kiosks APTA	<i>Destination:</i> Indiana State Police District 13 Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Kiosks APTA	<i>Destination:</i> Local Emergency Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Transit Vehicles APTA	<i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Toll Road Kiosks APTA	<i>Destination:</i> Emergency Medical Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Toll Road Kiosks APTA	<i>Destination:</i> Indiana State Police District 13 Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Toll Road Kiosks APTA	<i>Destination:</i> Indiana State Police District 21 (Toll Road) Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Toll Road Kiosks APTA	<i>Destination:</i> Local Emergency Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks APTA	<i>Destination:</i> Borman TMC Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks APTA	<i>Destination:</i> Emergency Medical Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks APTA	<i>Destination:</i> Indiana State Police District 13 Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks APTA	<i>Destination:</i> Local Emergency Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Local TMCs Kiosks APTA	<i>Destination:</i> Emergency Medical Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Local TMCs Kiosks APTA	<i>Destination:</i> Indiana State Police District 13 Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Local TMCs Kiosks APTA	<i>Destination:</i> Local Emergency Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Kiosks APTA	<i>Destination:</i> Emergency Medical Services Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Indiana State Police District 13	

Table 11

APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Local Emergency Services	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Rail Transit Vehicles	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: archive analysis requests</b>		
<i>Source:</i> Archived Data User Systems	<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Archived Data User Systems	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Archived Data User Systems	<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: archive analysis results</b>		
<i>Source:</i> Archived Data Management System	<i>Destination:</i> Archived Data User Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Archive	<i>Destination:</i> Archived Data User Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Northwest Indiana Archive	<i>Destination:</i> Archived Data User Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: archive coordination</b>		
<i>Source:</i> Academic and Research Organizations	<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Archived Data Management System	<i>Destination:</i> Academic and Research Organizations	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Archived Data Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Northwest Indiana Archive	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: archive request confirmation</b>		
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data User Systems	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: archive requests</b>		
<i>Source:</i> Archived Data Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Academic and Research Organizations NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE  AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Borman Hoosier Helpers Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group</p>	<p>ITE TMDD  (See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE  AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Borman TMC Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group</p>	<p>ITE TMDD  (See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> ECT Agency Management NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Emergency Medical Services NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Gary-Chicago Airport NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> GPTC Agency Management NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Indiana Emissions Management NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Indiana State Police District 13 NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Indiana State Police District 21 (Toll Road) NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE  AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Indiana Toll Road Operations Center Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group</p>	<p>ITE TMDD  (See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> INDOT Asset Management NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> INDOT Maintenance and Construction Management System NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway</p>	<p><i>Destination:</i> INDOT-Northwest District Arterial TMC</p>	
<p><i>Source:</i> Indiana Gateway AASHTO/ITE  AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> INDOT-Northwest District Arterial TMC Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group</p>	<p>ITE TMDD  (See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Local Asset Management NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Local Emergency Services NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA</p>	<p><i>Destination:</i> Local Maintenance and Construction Management System NTCIP Center-to-Center Standards Group</p>	<p>(See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE</p>	<p><i>Destination:</i> Local TMCs Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications</p>	<p>ITE TMDD</p>

Table 11

	(MS/ETMCC)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Asset Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Parking Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Weather Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Northwest Indiana Archive	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: archive status**

<i>Source:</i> Archived Data Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Academic and Research Organizations	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Gary-Chicago Airport	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Emissions Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT Asset Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Asset Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Asset Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Parking Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Weather Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Northwest Indiana Archive	<i>Destination:</i> Indiana Gateway	
<i>Source:</i>	Northwest Indiana Archive	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: archived data product requests**

<i>Source:</i>	Archived Data User Systems	<i>Destination:</i> Archived Data Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Archived Data User Systems	<i>Destination:</i> Northwest Indiana Archive	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: archived data products**

<i>Source:</i>	Archived Data Management System	<i>Destination:</i> Archived Data User Systems	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Northwest Indiana Archive	<i>Destination:</i> Archived Data User Systems	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: arriving train information**

<i>Source:</i>	Amtrak Railroad Wayside Equipment	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Amtrak Railroad Wayside Equipment	<i>Destination:</i> Local TMCs Roadside Equipment	
	IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Freight Rail Wayside Equipment	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

Table 11

<i>Source:</i>	Freight Rail Wayside Equipment	<i>Destination:</i>	Local TMCs Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	NICTD Railroad Wayside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	NICTD Railroad Wayside Equipment	<i>Destination:</i>	Local TMCs Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<b>Flow: asset archive data</b>				
<i>Source:</i>	INDOT Asset Management	<i>Destination:</i>	Northwest Indiana Archive	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i>	Local Asset Management	<i>Destination:</i>	Northwest Indiana Archive	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i>	NICTD Asset Management	<i>Destination:</i>	Northwest Indiana Archive	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<b>Flow: asset inventory</b>				
<i>Source:</i>	INDOT Asset Management	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Asset Management	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: asset restrictions</b>				
<i>Source:</i>	INDOT Asset Management	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Asset Management	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: asset status update</b>				
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	INDOT Asset Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local Asset Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: bad tag list</b>				
<i>Source:</i>	ECT Agency Management	<i>Destination:</i>	ECT Transit Vehicles	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i>	GPTC Transit Vehicles	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i>	NICTD Rail Transit Vehicles	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4

Table 11

**Flow: broadcast traveler information**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Kiosks	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i> Personal Travel Information Access	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Private Information Service Providers	<i>Destination:</i> Personal Travel Information Access	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: care facility status**

<i>Source:</i> Regional Hospitals	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Regional Hospitals	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Regional Hospitals	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Regional Hospitals	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

**Flow: care facility status request**

<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

Table 11

<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Local Emergency Services	<i>Destination:</i> Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

**Flow: commercial vehicle archive data**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data Management System	
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data Management System	
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

**Flow: current asset restrictions**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman Hoosier Helpers	



Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: demand responsive transit plan**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: device control request**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

	(MS/ETMCC)		
<i>Source:</i> AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	<i>Destination:</i> Indiana Toll Road Operations Center	(See Table 9)
Indiana Gateway			
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Indiana Gateway		<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Indiana Toll Road Operations Center		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC		<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Local TMCs		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<b>Flow: device data</b>			
<i>Source:</i> Borman Hoosier Helpers		<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Borman Hoosier Helpers		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Borman TMC		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
<i>Source:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)		<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications		ITE TMDD

Table 11

	(MS/ETMCC)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC	<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local TMCs	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow:</b> <b>device status</b>		
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	(MS/ETMCC) NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow:</b>	<b>driver inputs</b>		
	<i>Source:</i> Drivers	<i>Destination:</i> Vehicle ITS Equipment	
	SAE	ITS In-Vehicle Message Priority	SAE J2395
	SAE	Definitions and Experimental Measures Related to the Specification of Driver Visual Behavior Using Video Based Techniques	SAE J2396
	SAE	Adaptive Cruise Control (ACC) Operating Characteristics and User Interface	SAE J2399
	SAE	Human Factors in Forward Collision Warning Systems: Operating Characteristics and User Interface Requirements	SAE J2400
<b>Flow:</b>	<b>driver log</b>		
	<i>Source:</i> Commercial Vehicles	<i>Destination:</i> Commercial Vehicle Weigh Stations	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	<i>Source:</i> Commercial Vehicles	<i>Destination:</i> Local TMCs Inspection Facilities	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<b>Flow:</b>	<b>driver updates</b>		
	<i>Source:</i> Vehicle ITS Equipment	<i>Destination:</i> Drivers	
	SAE	ITS In-Vehicle Message Priority	SAE J2395
	SAE	Definitions and Experimental Measures Related to the Specification of Driver Visual Behavior Using Video Based Techniques	SAE J2396
	SAE	Adaptive Cruise Control (ACC) Operating Characteristics and User Interface	SAE J2399
	SAE	Human Factors in Forward Collision Warning Systems: Operating Characteristics and User Interface Requirements	SAE J2400
<b>Flow:</b>	<b>electronic lock data</b>		
	<i>Source:</i> Commercial Vehicles	<i>Destination:</i> Commercial Vehicle Weigh Stations	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	<i>Source:</i> Commercial Vehicles	<i>Destination:</i> Local TMCs Inspection Facilities	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	<i>Source:</i> Commercial Vehicles	<i>Destination:</i> Local TMCs Inspection Facilities	
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<b>Flow:</b>	<b>electronic lock data request</b>		
	<i>Source:</i> Commercial Vehicle Weigh Stations	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	<i>Source:</i> Local TMCs Inspection Facilities	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<b>Flow:</b>	<b>electronic screening request</b>		
	<i>Source:</i> Commercial Vehicle Weigh Stations	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)

Table 11

IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i> Local TMCs Inspection Facilities	<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<b>Flow: emergency acknowledge</b>		
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Vehicle ITS Equipment	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Personal Travel Information Access	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Vehicle ITS Equipment	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Personal Travel Information Access	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Vehicle ITS Equipment	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Personal Travel Information Access	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Vehicle ITS Equipment	
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<b>Flow: emergency archive data</b>		
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data	ASTM E2468-05

Table 11

	Management Systems	
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Table 9)

**Flow: emergency data request**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Vehicle ITS Equipment
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)

**Flow: emergency notification**

<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i> Emergency Medical Services
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i> Indiana State Police District 13
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i> Local Emergency Services
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i> Emergency Medical Services
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i> Indiana State Police District 13
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i> Local Emergency Services
SAE	On-board Vehicle Mayday Standards Group	(See Table 9)

**Flow: emergency traffic control information**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Illinois Department of Transportation Emergency Traffic Patrol (ETP)
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211

Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211



Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<b>Flow:</b>	<b>emergency traffic control request</b>		
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211

Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201

Table 11

	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	IEEE	Incident Management Standards Group	(See Table 9)

**Flow: emergency traffic coordination**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE	<i>Destination:</i>	Local TMCs Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center AASHTO/ITE	<i>Destination:</i>	Indiana Gateway Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: emergency traveler information**

<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)

**Flow: emissions archive data**

<i>Source:</i>	Borman TMC AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC ASTM	<i>Destination:</i>	Indiana Gateway Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i>	Indiana Emissions Management AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data	(See Table 9) ASTM E2468-05

Table 11

	Management Systems		
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems		ASTM E2468-05
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems		ASTM E2468-05
<b>Flow: emissions sensor control</b>			
<i>Source:</i> Indiana Emissions Management		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<b>Flow: environmental sensor data</b>			
<i>Source:</i> Borman TMC Roadside Equipment		<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Borman TMC Roadside Equipment		<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Borman TMC Roadside Equipment		<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> INDOT-Northwest District Arterial TMC	
<i>Source:</i> Indiana Gateway		<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Local Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)		NTCIP 1204
<i>Source:</i> Indiana Gateway		<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)

Table 11

	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT Maintenance and Construction Vehicles	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local Maintenance and Construction Vehicles	<i>Destination:</i> Local TMCs Roadside Equipment	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Private Maintenance and Construction Vehicles	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Vehicles	<i>Destination:</i> Local TMCs Roadside Equipment	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Flow:</i>	<b>environmental sensors control</b>		
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204

Table 11

<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204

**Flow: equipment maintenance status**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Borman Hoosier Helpers	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: event confirmation**

<i>Source:</i>	Borman TMC	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)



Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Event Promoters	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Dunes National Lakeshore Visitors Center and Park Access	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)

**Flow: event information**

<i>Source:</i>	Event Promoters	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Event Promoters	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Event Promoters	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

Table 11

**Flow: event information request**

<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Event Promoters NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Event Promoters NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website SAE	<i>Destination:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Event Promoters NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)

**Flow: event plans**

<i>Source:</i>	Event Promoters AASHTO/ITE AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Borman TMC Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD (See Table 9) (See Table 9)
<i>Source:</i>	Event Promoters AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Emergency Medical Services NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Event Promoters AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Event Promoters AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana State Police District 21 (Toll Road) NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Event Promoters AASHTO/ITE AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana Toll Road Operations Center Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD (See Table 9) (See Table 9)
<i>Source:</i>	Event Promoters AASHTO/ITE	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

		(MS/ETMCC)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Event Promoters	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Event Promoters	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center and Park Access	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Dunes National Lakeshore Visitors Center	<i>Destination:</i> Local TMCs	

Table 11

and Park Access		
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

**Flow: external reports**

<i>Source:</i> Media	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Media	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Media	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Media	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Media	<i>Destination:</i> Private Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: fare and price information**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: fare collection data**

<i>Source:</i> ECT Transit Vehicles	<i>Destination:</i> ECT Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Transit Vehicles	<i>Destination:</i> GPTC Agency Management	

Table 11

	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	NICTD Rail Transit Vehicles	<i>Destination:</i> NICTD Agency Management	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: fare management information</b>			
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> ECT Transit Vehicles	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> GPTC Transit Vehicles	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> NICTD Rail Transit Vehicles	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: field device status</b>			
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<b>Flow: field equipment status</b>			
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> INDOT Maintenance and Construction Management System	
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Maintenance and Construction Management System	
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)

**Flow: government reporting data receipt**

Source: Government Reporting Systems Destination: Archived Data Management System  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 Source: Government Reporting Systems Destination: Northwest Indiana Archive  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)

**Flow: government reporting system data**

Source: Archived Data Management System Destination: Government Reporting Systems  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 Source: Northwest Indiana Archive Destination: Government Reporting Systems  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)

**Flow: hazmat information**

Source: Fleet and Freight Management System Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Borman TMC  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Emergency Medical Services  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Indiana State Police District 13  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Indiana State Police District 21 (Toll Road)  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Local Emergency Services  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)

**Flow: hazmat information request**

Source: Borman TMC Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Emergency Medical Services Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana Gateway Destination: Fleet and Freight Management System  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana State Police District 13 Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Indiana State Police District 21 (Toll Road) Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)  
 IIEEE Incident Management Standards Group (See Table 9)  
 Source: Local Emergency Services Destination: Indiana Gateway  
 AASHTO/ITE/NEMA NTCIP Center-to-Center Standards Group (See Table 9)

Table 11

IEEE Incident Management Standards Group (See Table 9)

**Flow: hri advisories**

<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Amtrak Rail	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Freight Rail Operators	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	NICTD Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Amtrak Rail	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Freight Rail Operators	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	NICTD Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: hri control data**

<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)

**Flow: hri operational status**

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Amtrak Railroad Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Freight Rail Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	NICTD Railroad Wayside Equipment	
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	NICTD Railroad Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Amtrak Railroad Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Freight Rail Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	NICTD Railroad Wayside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

**Flow: hri request**

<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)

**Flow: hri status**



Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	INDOT-Northwest District Arterial TMC NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	Local TMCs NTCIP Center-to-Field Standards Group	(See Table 9)
<b>Flow: incident information</b>				
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Borman TMC Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Emergency Medical Services Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP) Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group	ITE TMDD  (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers IEEE	<i>Destination:</i>	Indiana Gateway Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana State Police District 13 Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana State Police District 21 (Toll Road) Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	INDOT Maintenance and Construction Management System Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE  AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Local Emergency Services Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) NTCIP Center-to-Center Standards Group Incident Management Standards Group	ITE TMDD  (See Table 9) (See Table 9)

Table 11

<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Local Emergency Services	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE		NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Private Maintenance and Construction Management System	

Table 11

	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

		(MS/ETMCC)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman TMC	
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Private Maintenance and Construction Management System	

Table 11

	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Borman TMC	
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Emergency Medical Services	

Table 11

	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman TMC	
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD



Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Emergency Services	
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group (See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<b>Flow: incident report</b>			
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana State Police District 13
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Local Emergency Services
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman Hoosier Helpers
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 13
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	IEEE		Incident Management Standards Group (See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Local Emergency Services
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)

Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)

**Flow: incident response coordination**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Illinois Department of Transportation Emergency Traffic Patrol (ETP)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
<i>Source:</i> Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Emergency Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Local Emergency Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

**Flow: incident response status**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Local TMCs	
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

	(MS/ETMCC)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Private Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Private Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)



Table 11

	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	

Table 11

	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA IEEE	NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

	(MS/ETMCC)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Local Emergency Services	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets	ITE TMDD

Table 11

		for External Traffic Management Center Communications (MS/ETMCC)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)

**Flow: infrastructure monitoring sensor control**

<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)

Table 11

*Source:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      *Destination:* Local TMCs Roadside Equipment  
 (See Table 9)

**Flow: infrastructure monitoring sensor data**

*Source:* Borman TMC Roadside Equipment                      *Destination:* INDOT Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Borman TMC Roadside Equipment                      *Destination:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* INDOT Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* Local Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries                      *Destination:* INDOT Maintenance and Construction Management System

*Source:* Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries                      *Destination:* INDOT Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries                      *Destination:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* INDOT-Northwest District Arterial TMC Roadside Equipment                      *Destination:* INDOT Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* INDOT-Northwest District Arterial TMC Roadside Equipment                      *Destination:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Local TMCs Roadside Equipment                      *Destination:* Local Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

*Source:* Local TMCs Roadside Equipment                      *Destination:* Private Maintenance and Construction Management System  
 AASHTO/ITE/NEMA                      NTCIP Center-to-Field Standards Group                      (See Table 9)

**Flow: interactive traveler information**

*Source:* Indiana Gateway                      *Destination:* GPTC Kiosks  
 SAE                      Advanced Traveler Information Systems (ATIS) General Use Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* Indiana Toll Road Kiosks  
 SAE                      Advanced Traveler Information Systems (ATIS) General Use Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* INDOT-Northwest District Arterial TMC Kiosks  
 SAE                      Advanced Traveler Information Systems (ATIS) General Use Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* Local TMCs Kiosks  
 SAE                      Advanced Traveler Information Systems (ATIS) General Use Standards Group                      (See Table 9)

*Source:* Indiana Gateway                      *Destination:* NICTD Kiosks  
 SAE                      Advanced Traveler Information Systems (ATIS) General Use Standards Group                      (See Table 9)

Table 11

<i>Source:</i>	Indiana Gateway SAE	<i>Destination:</i>	Personal Travel Information Access Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway SAE	<i>Destination:</i>	Vehicle ITS Equipment Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website SAE	<i>Destination:</i>	Personal Travel Information Access Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers SAE	<i>Destination:</i>	Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers SAE	<i>Destination:</i>	Personal Travel Information Access Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers SAE	<i>Destination:</i>	Vehicle ITS Equipment Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: intermodal freight archive data**

<i>Source:</i>	Gary-Chicago Airport ASTM	<i>Destination:</i>	Archived Data Management System Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i>	Port of Indiana at Burns Harbor ASTM	<i>Destination:</i>	Archived Data Management System Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

**Flow: intersection blockage notification**

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment IEEE	<i>Destination:</i>	Amtrak Railroad Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment IEEE	<i>Destination:</i>	Freight Rail Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	INDOT-Northwest District Arterial TMC NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment IEEE	<i>Destination:</i>	NICTD Railroad Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment IEEE	<i>Destination:</i>	Amtrak Railroad Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment IEEE	<i>Destination:</i>	Freight Rail Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Local TMCs Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	Local TMCs NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment IEEE	<i>Destination:</i>	NICTD Railroad Wayside Equipment Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

**Flow: intersection status**

Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Vehicle ITS Equipment
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
	SAE		Dedicated Short Range Communications (DSRC) Message Set Dictionary SAE J2735
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Vehicle ITS Equipment
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
	SAE		Dedicated Short Range Communications (DSRC) Message Set Dictionary SAE J2735
<b>Flow: in-vehicle transaction status</b>			
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Drivers
	SAE		ITS In-Vehicle Message Priority SAE J2395
	SAE		Definitions and Experimental Measures Related to the Specification of Driver Visual Behavior Using Video Based Techniques SAE J2396
<b>Flow: local signal preemption request</b>			
<i>Source:</i>	Local Emergency Vehicles	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group (See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
<i>Source:</i>	Local Emergency Vehicles	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group (See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
<i>Source:</i>	Local Emergency Vehicles	<i>Destination:</i>	Local TMCs Roadside Equipment
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group (See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
<b>Flow: local signal priority request</b>			
<i>Source:</i>	ECT Transit Vehicles	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	APTA		Standard for Transit Communications Interface Profiles APTA TCIP-S-001 3.0.4
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group (See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group (See Table 9)
<i>Source:</i>	ECT Transit Vehicles	<i>Destination:</i>	Local TMCs Roadside Equipment
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211

Table 11

	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	GPTC Transit Vehicles	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
<i>Source:</i>	GPTC Transit Vehicles	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	GPTC Transit Vehicles	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	NICTD Rail Transit Vehicles	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Source:</i>	NICTD Rail Transit Vehicles	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
<i>Flow:</i>	<b>logged vehicle routes</b>		
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)



Table 11

SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: maint and constr archive data**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Archived Data Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i> Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

**Flow: maint and constr equipment repair status**

<i>Source:</i> INDOT Equipment Repair Facilities	<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Equipment Repair Facilities	<i>Destination:</i> Local Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Private Equipment and Repair Facilities	<i>Destination:</i> Private Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: maint and constr fleet information**

<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT Equipment Repair Facilities	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Local Equipment Repair Facilities	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

*Source:* Private Maintenance and Construction Management System  
AASHTO/ITE/NEMA  
*Destination:* Private Equipment and Repair Facilities  
NTCIP Center-to-Center Standards Group (See Table 9)

**Flow: maint and constr resource coordination**

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
*Destination:* INDOT Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
*Destination:* Local Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
*Destination:* Private Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)

*Source:* INDOT Maintenance and Construction Management System  
AASHTO/ITE/NEMA  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)

*Source:* Local Maintenance and Construction Management System  
AASHTO/ITE/NEMA  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)

*Source:* Private Maintenance and Construction Management System  
AASHTO/ITE/NEMA  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)

**Flow: maint and constr resource request**

*Source:* Borman Hoosier Helpers  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Borman Hoosier Helpers  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* INDOT Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Borman TMC  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Borman TMC  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* INDOT Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Emergency Medical Services  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* Indiana Gateway  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* INDOT Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Indiana Gateway  
*Destination:* Local Maintenance and Construction Management System

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* Local Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

*Source:* Indiana Gateway  
AASHTO/ITE/NEMA  
IEEE  
*Destination:* Private Maintenance and Construction Management System  
NTCIP Center-to-Center Standards Group (See Table 9)  
Incident Management Standards Group (See Table 9)

Table 11

<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

**Flow: maint and constr resource response**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Emergency Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

**Flow: maint and constr work plans**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	ECT Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Emergency Medical Services	

Table 11

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Freight Rail Operators	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: maintenance and repair needs**

<i>Source:</i> INDOT Asset Management	<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Asset Management	<i>Destination:</i> Local Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: map update request**

<i>Source:</i> Archived Data Management System	<i>Destination:</i> Map Update Provider	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Map Update Provider	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Map Update Provider	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> ECT Agency Management	<i>Destination:</i> Map Update Provider	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Emissions Management	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Archive	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Northwest Indiana Archive	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Map Update Provider	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: map updates**

<i>Source:</i>	Map Update Provider	<i>Destination:</i> Archived Data Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
<i>Source:</i>	Map Update Provider	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Map Update Provider	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> ECT Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Emergency Medical Services NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> GPTC Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Emissions Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Indiana State Police District 13 NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Indiana State Police District 21 (Toll Road) NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Toll Road Operations Center NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> INDOT Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA ASTM	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Local Emergency Services NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Local Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Local TMCs NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> NICTD Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA ASTM	<i>Destination:</i> Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i> Map Update Provider AASHTO/ITE/NEMA	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: multimodal archive data**

<i>Source:</i> Gary-Chicago Airport AASHTO/ITE/NEMA ASTM	<i>Destination:</i> Archived Data Management System NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i> Gary-Chicago Airport AASHTO/ITE/NEMA ASTM	<i>Destination:</i> Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05

Table 11

**Flow: multimodal crossing status**

<i>Source:</i>	INDOT Arterial Multimodal Crossings	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local Multimodal Crossings	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)

**Flow: multimodal information**

<i>Source:</i>	Gary-Chicago Airport	<i>Destination:</i>	Private Information Service Providers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Information Service Providers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i>	Private Information Service Providers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: multimodal information request**

<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Gary-Chicago Airport	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: multimodal service data**

<i>Source:</i>	Gary-Chicago Airport	<i>Destination:</i>	GPTC Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	Gary-Chicago Airport	<i>Destination:</i>	NICTD Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4

**Flow: on-board safety data**

<i>Source:</i>	Commercial Vehicles	<i>Destination:</i>	Commercial Vehicle Weigh Stations	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i>	Commercial Vehicles	<i>Destination:</i>	Fleet and Freight Management System	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999



Table 11

<p><i>Source:</i> Commercial Vehicles ASTM IEEE</p>	<p><i>Destination:</i> Local TMCs Inspection Facilities Dedicated Short Range Communication at 915 MHz Standards Group Standard for Message Sets for Vehicle/Roadside Communications</p>	<p>(See Table 9)  IEEE 1455-1999</p>
<b>Flow: on-board vehicle data</b>		
<p><i>Source:</i> Commercial Vehicles ASTM</p>	<p><i>Destination:</i> Fleet and Freight Management System Dedicated Short Range Communication at 915 MHz Standards Group</p>	<p>(See Table 9)</p>
<b>Flow: on-board vehicle request</b>		
<p><i>Source:</i> Fleet and Freight Management System</p>	<p><i>Destination:</i> Commercial Vehicles</p>	
<p><i>Source:</i> Fleet and Freight Management System ASTM</p>	<p><i>Destination:</i> Commercial Vehicles Dedicated Short Range Communication at 915 MHz Standards Group</p>	<p>(See Table 9)</p>
<b>Flow: other data source archive data</b>		
<p><i>Source:</i> Academic and Research Organizations AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Archived Data Management System NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<p><i>Source:</i> Academic and Research Organizations AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<p><i>Source:</i> Academic and Research Organizations AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<b>Flow: parking archive data</b>		
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Archived Data Management System NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<p><i>Source:</i> Parking Management AASHTO/ITE/NEMA ASTM</p>	<p><i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems</p>	<p>(See Table 9) ASTM E2468-05</p>
<b>Flow: parking information</b>		
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA APTA SAE</p>	<p><i>Destination:</i> ECT Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA APTA SAE</p>	<p><i>Destination:</i> GPTC Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)</p>

Table 11

<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA SAE	<i>Destination:</i>	INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Local TMCs NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway SAE	<i>Destination:</i>	Local TMCs Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA APTA  SAE	<i>Destination:</i>	NICTD Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Parking Management AASHTO/ITE/NEMA APTA  SAE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)
<i>Source:</i>	Parking Management AASHTO/ITE/NEMA APTA  SAE	<i>Destination:</i>	NICTD Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)
<i>Source:</i>	Parking Management AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)

**Flow: parking lot data request**

<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA APTA  SAE	<i>Destination:</i>	Parking Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) APTA TCIP-S-001 3.0.4 (See Table 9)
<i>Source:</i>	Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Parking Management	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Parking Management	
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>parking lot inputs</b>		
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Parking Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>parking lot reservation confirmation</b>		
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Parking Management	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow:</b>	<b>parking reservations request</b>		
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Parking Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow:</b>	<b>pass/pull-in</b>		
<i>Source:</i>	Commercial Vehicle Weigh Stations	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i>	Local TMCs Inspection Facilities	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<b>Flow:</b>	<b>payment violation notification</b>		
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Parking Management	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow:</b>	<b>personal transit information</b>		

Table 11

<i>Source:</i> ECT Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4 (See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	
<i>Source:</i> GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4 (See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Personal Travel Information Access	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4 (See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4 (See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	
<b>Flow: pollution state data request</b>		
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Emissions Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: railroad advisories</b>		
<i>Source:</i> Amtrak Rail	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Amtrak Rail	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Freight Rail Operators	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Freight Rail Operators	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: railroad schedules</b>		
<i>Source:</i> Amtrak Rail	<i>Destination:</i> INDOT Maintenance and Construction Management System	
<i>Source:</i> Amtrak Rail	<i>Destination:</i> INDOT Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Amtrak Rail	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Amtrak Rail	<i>Destination:</i> Local Maintenance and Construction Management System	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Amtrak Rail	<i>Destination:</i> Local TMCs	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Amtrak Rail	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: remote surveillance control**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications	ITE TMDD

Table 11

	(MS/ETMCC)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 13	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Emergency Services	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: request for bad tag list</b>		
<i>Source:</i> ECT Transit Vehicles	<i>Destination:</i> ECT Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Transit Vehicles	<i>Destination:</i> GPTC Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Rail Transit Vehicles	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: request for enforcement</b>		
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Local Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: request for vehicle measures**

<i>Source:</i>	ECT Agency Management APTA	<i>Destination:</i>	ECT Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	GPTC Agency Management APTA	<i>Destination:</i>	GPTC Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i>	NICTD Agency Management APTA	<i>Destination:</i>	NICTD Rail Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4

**Flow: request tag data**

<i>Source:</i>	Commercial Vehicle Weigh Stations ASTM	<i>Destination:</i>	Commercial Vehicles Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Inspection Facilities ASTM	<i>Destination:</i>	Commercial Vehicles Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)

**Flow: request transit information**

<i>Source:</i>	Borman TMC AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	ECT Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	GPTC Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	NICTD Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: resource coordination**

<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Borman TMC NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Emergency Medical Services NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE/NEMA	<i>Destination:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP) NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Borman TMC	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Emergency Medical Services	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Illinois Department of Transportation Emergency	<i>Destination:</i> Borman Hoosier Helpers	



Table 11

	Traffic Patrol (ETP)		
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 13
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Emergency Services
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Borman Hoosier Helpers
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Borman Hoosier Helpers
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana State Police District 13

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)

**Flow: resource deployment status**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Illinois Department of Transportation Emergency Traffic Patrol (ETP)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IIEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)

**Flow: resource request**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE	Incident Management Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs	
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	IEEE		Incident Management Standards Group	(See Table 9)

**Flow: right-of-way request notification**

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214

**Flow: road network conditions**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Illinois Department of Transportation Emergency Traffic Patrol (ETP)	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Fleet and Freight Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT Maintenance and Construction Management System
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT-Northwest District Arterial TMC
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Emergency Services
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Maintenance and Construction Management System
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	NICTD Agency Management
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Information Service Providers
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Maintenance and Construction Management System
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	INDOT Maintenance and Construction Management System
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TSC)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>road weather information</b>		
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Freight Rail Operators	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Media	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)



Table 11

<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Weather Services	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs	
AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets	ITE TMDD

Table 11

		for External Traffic Management Center Communications (MS/ETMCC)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: roadside archive data</b>			
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Archived Data Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Archived Data Management System	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM) Devices	NTCIP 1206
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
	AASHTO/ITE/NEMA	Object Definitions for Data Collection and Monitoring (DCM)	NTCIP 1206

Table 11

	Devices	
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<b>Flow: roadway equipment coordination</b>		
<i>Source:</i> Borman TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i> Local TMCs Roadside Equipment	<i>Destination:</i> Indiana Gateway	

Table 11

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214

**Flow: roadway information system data**

<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Borman Hoosier Helpers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Borman TMC	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Borman TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Borman TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i> Indiana Toll Road Operations Center	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)

Table 11

	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local TMCs	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203

**Flow: roadway information system status**

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203

Table 11

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203

**Flow: roadway maintenance status**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	ECT Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Emergency Medical Services	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	GPTC Agency Management	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Flow:</i>	<b>roadway treatment system control</b>		
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)

Table 11

	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204

**Flow: roadway treatment system status**

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Environmental Sensor Stations (ESS)	NTCIP 1204

**Flow: route plan**

<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Fleet and Freight Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: route request**

<i>Source:</i>	Fleet and Freight Management System	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: safety inspection record**

<i>Source:</i>	Commercial Vehicle Weigh Stations	<i>Destination:</i> Commercial Vehicles	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<i>Source:</i>	Commercial Vehicle Weigh Stations	<i>Destination:</i> Indiana Gateway	
	ASTM	Dedicated Short Range Communication at 915 MHz Standards	(See Table 9)



Table 11

	Group		
<i>Source:</i> Commercial Vehicles		<i>Destination:</i> Commercial Vehicle Weigh Stations	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Commercial Vehicles		<i>Destination:</i> Local TMCs Inspection Facilities	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Indiana Gateway	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)

**Flow: safety inspection request**

<i>Source:</i> Commercial Vehicle Weigh Stations		<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Commercial Vehicle Weigh Stations		<i>Destination:</i> Indiana Gateway	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Indiana Gateway	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)

**Flow: screening event record**

<i>Source:</i> Commercial Vehicle Weigh Stations		<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999
<i>Source:</i> Commercial Vehicle Weigh Stations		<i>Destination:</i> Indiana Gateway	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999
<i>Source:</i> Commercial Vehicles		<i>Destination:</i> Commercial Vehicle Weigh Stations	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999
<i>Source:</i> Commercial Vehicles		<i>Destination:</i> Local TMCs Inspection Facilities	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Commercial Vehicles	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999
<i>Source:</i> Local TMCs Inspection Facilities		<i>Destination:</i> Indiana Gateway	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group		(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications		IEEE 1455-1999

Table 11

**Flow: secure area surveillance control**

<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i>	GPTC Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Toll Road Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Kiosks
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana State Police District 21 (Toll Road)	<i>Destination:</i>	Indiana Toll Road Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i>	NICTD Kiosks
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208

**Flow: secure area surveillance data**

<i>Source:</i>	GPTC Kiosks	<i>Destination:</i>	GPTC Agency Management
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Toll Road Kiosks	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208

Table 11

	Switching		
<i>Source:</i>	NICTD Kiosks	<i>Destination:</i>	NICTD Agency Management
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching NTCIP 1208
<b>Flow: selected routes</b>			
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	ECT Agency Management
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group (See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	GPTC Agency Management
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group (See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group (See Table 9)
<b>Flow: signal control commands</b>			
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU) NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU) NTCIP 1214
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Signal Control and Prioritization (SCP) NTCIP 1211
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU) NTCIP 1214
<b>Flow: signal control device configuration</b>			
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)

Table 11

	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Flow:</i>	<b>signal control plans</b>		
<i>Source:</i>	Borman TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210

Table 11

AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214

**Flow: signal control status**

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214

**Flow: signal fault data**

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA		Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA		Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210

Table 11

	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<b>Flow: signal system configuration</b>			
<i>Source:</i>	Borman TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<i>Source:</i>	Local TMCs	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202
	AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
	AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
	AASHTO/ITE/NEMA	Object Definitions for Conflict Monitor Units (CMU)	NTCIP 1214
<b>Flow: speed monitoring control</b>			
<i>Source:</i>	Borman TMC	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana State Police District 13	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

**Flow: speed monitoring information**

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209



Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Flow:</i>	<b>tag data</b>			
<i>Source:</i>	Commercial Vehicles ASTM	<i>Destination:</i>	Commercial Vehicle Weigh Stations Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<i>Source:</i>	Commercial Vehicles ASTM	<i>Destination:</i>	Local TMCs Inspection Facilities Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<i>Flow:</i>	<b>tax filing</b>			
<i>Source:</i>	Fleet and Freight Management System ANSI	<i>Destination:</i>	Indiana Gateway Electronic Filing of Tax Return Data	ANSI TS813
<i>Source:</i>	Indiana Gateway ANSI	<i>Destination:</i>	Indiana State Police District 13 Electronic Filing of Tax Return Data	ANSI TS813
<i>Flow:</i>	<b>toll archive data</b>			
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Archived Data Management System NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data	(See Table 9) ASTM E2468-05

Table 11

Management Systems

<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

**Flow: toll coordination**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: toll data**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Fleet and Freight Management System	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Information Service Providers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: toll data request**

<i>Source:</i>	Fleet and Freight Management System	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: toll transactions**

<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: track status**

<i>Source:</i>	Amtrak Railroad Wayside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Amtrak Railroad Wayside Equipment	<i>Destination:</i>	Local TMCs Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Freight Rail Wayside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	Freight Rail Wayside Equipment	<i>Destination:</i>	Local TMCs Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	NICTD Railroad Wayside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002
<i>Source:</i>	NICTD Railroad Wayside Equipment	<i>Destination:</i>	Local TMCs Roadside Equipment	
	IEEE		Standard for the Interface Between the Rail Subsystem and the	IEEE 1570-2002

Table 11

## Highway Subsystem at a Highway Rail Intersection

**Flow: traffic archive data**

<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana Gateway
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Archived Data Management System
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Northwest Indiana Archive
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Northwest Indiana Archive
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Gateway
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Indiana Gateway
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Indiana Gateway
AASHTO/ITE		Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)	ITE TMDD
AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM		Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
ASTM		Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data	ASTM E2665-08

**Flow: traffic control priority request**

<i>Source:</i>	ECT Agency Management	<i>Destination:</i>	Indiana Gateway
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Table 11

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: traffic control priority status</b>		
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> INDOT-Northwest District Arterial TMC	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> Local TMCs	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Signal Control and Prioritization (SCP)	NTCIP 1211
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4

**Flow: traffic flow**

<i>Source:</i> Borman TMC Roadside Equipment	<i>Destination:</i> Borman Hoosier Helpers	
<i>Source:</i> Borman TMC Roadside Equipment	<i>Destination:</i> Borman Hoosier Helpers	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Borman TMC Roadside Equipment	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Borman TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Toll Road Operations Center	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

**Flow: traffic images**

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205

Table 11

	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Gateway	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)



Table 11

<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control		NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching		NTCIP 1208
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control		NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching		NTCIP 1208
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control		NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching		NTCIP 1208
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)

**Flow: traffic information for media**

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Media	
	AASHTO/ITE	Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC)		ITE TMDD
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group		(See Table 9)

**Flow: traffic metering control**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Ramp Meter Control (RMC) Units		NTCIP 1207
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Ramp Meter Control (RMC) Units		NTCIP 1207
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	Object Definitions for Ramp Meter Control (RMC) Units		NTCIP 1207

**Flow: traffic metering status**

<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman Hoosier Helpers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Ramp Meter Control (RMC) Units		NTCIP 1207
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Borman TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions		NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Ramp Meter Control (RMC) Units		NTCIP 1207

Table 11

<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Ramp Meter Control (RMC) Units	NTCIP 1207
<b>Flow:</b>	<b>traffic sensor control</b>			
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions	NTCIP 1201
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA		Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
<b>Flow:</b>	<b>traffic violation notification</b>			
<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC Roadside Equipment	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	Indiana State Police District 13	
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana State Police District 13 NTCIP Center-to-Field Standards Group	(See Table 9)
<b>Flow: transit and fare schedules</b>				
<i>Source:</i>	ECT Agency Management AASHTO/ITE/NEMA APTA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
<i>Source:</i>	GPTC Agency Management AASHTO/ITE/NEMA APTA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA APTA	<i>Destination:</i>	Private Information Service Providers NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
<i>Source:</i>	NICTD Agency Management AASHTO/ITE/NEMA APTA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
<b>Flow: transit archive data</b>				
<i>Source:</i>	ECT Agency Management AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i>	GPTC Agency Management AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Archived Data Management System NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Northwest Indiana Archive NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<i>Source:</i>	NICTD Agency Management AASHTO/ITE/NEMA ASTM	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Standard Practice for Metadata to Support Archived Data Management Systems	(See Table 9) ASTM E2468-05
<b>Flow: transit emergency data</b>				
<i>Source:</i>	ECT Agency Management AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)
<i>Source:</i>	GPTC Agency Management AASHTO/ITE/NEMA IEEE	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group Incident Management Standards Group	(See Table 9) (See Table 9)

Table 11

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Emergency Medical Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local Emergency Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
IEEE	Incident Management Standards Group	(See Table 9)

**Flow: transit fare and passenger status**

<i>Source:</i> GPTC Kiosks	<i>Destination:</i> GPTC Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> GPTC Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Toll Road Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Local TMCs Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Indiana Gateway	

Table 11

APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow: transit fare information</b>		
<i>Source:</i> ECT Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> GPTC Agency Management	<i>Destination:</i> GPTC Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
<i>Source:</i> GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Indiana Toll Road Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Local TMCs Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> NICTD Kiosks	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001

Table 11

	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	3.0.4 (See Table 9)
<b>Flow: transit incident information</b>			
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: transit incidents for media</b>			
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Media	
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: transit information for media</b>			
<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: transit information request</b>			
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> ECT Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow: transit information user request</b>			
<i>Source:</i>	GPTC Kiosks	<i>Destination:</i> GPTC Agency Management	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

Table 11

<i>Source:</i> GPTC Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> ECT Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
<i>Source:</i> Indiana Gateway	<i>Destination:</i> GPTC Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Toll Road Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Local TMCs Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> NICTD Agency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Personal Travel Information Access	<i>Destination:</i> Indiana Gateway	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: transit multimodal information**

<i>Source:</i> GPTC Agency Management	<i>Destination:</i> Gary-Chicago Airport	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Agency Management	<i>Destination:</i> Gary-Chicago Airport	

Table 11

AASHTO/ITE/NEMA APTA	NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
<b>Flow: transit request confirmation</b>		
Source: ECT Agency Management	Destination: Indiana Gateway	
Source: ECT Agency Management AASHTO/ITE/NEMA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
Source: GPTC Agency Management AASHTO/ITE/NEMA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
Source: Indiana Gateway AASHTO/ITE/NEMA	Destination: Private Information Service Providers NTCIP Center-to-Center Standards Group	(See Table 9)
Source: NICTD Agency Management AASHTO/ITE/NEMA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: transit schedule information</b>		
Source: ECT Agency Management APTA	Destination: ECT Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: ECT Agency Management APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: GPTC Agency Management APTA	Destination: GPTC Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: GPTC Agency Management APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: NICTD Agency Management APTA	Destination: Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
Source: NICTD Agency Management APTA	Destination: NICTD Rail Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: transit service coordination</b>		
Source: ECT Agency Management AASHTO/ITE/NEMA APTA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
Source: GPTC Agency Management AASHTO/ITE/NEMA APTA	Destination: Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
Source: Indiana Gateway AASHTO/ITE/NEMA APTA	Destination: ECT Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
Source: Indiana Gateway AASHTO/ITE/NEMA APTA	Destination: GPTC Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
Source: Indiana Gateway AASHTO/ITE/NEMA APTA	Destination: NICTD Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4



Table 11

3.0.4

<i>Source:</i> NICTD Agency Management AASHTO/ITE/NEMA APTA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles	(See Table 9) APTA TCIP-S-001 3.0.4
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**Flow: transit service information**

<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA SAE	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website AASHTO/ITE/NEMA SAE	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i> Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<i>Source:</i> Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)

**Flow: transit system data**

<i>Source:</i> ECT Agency Management AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> GPTC Agency Management AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Borman TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Toll Road Operations Center NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Local TMCs NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> NICTD Agency Management AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: transit traveler information**

<i>Source:</i> ECT Agency Management APTA SAE	<i>Destination:</i> ECT Transit Vehicles Standard for Transit Communications Interface Profiles Advanced Traveler Information Systems (ATIS) General Use Standards Group	APTA TCIP-S-001 3.0.4 (See Table 9)
<i>Source:</i> ECT Agency Management APTA	<i>Destination:</i> Indiana Gateway Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> ECT Agency Management SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> GPTC Agency Management APTA	<i>Destination:</i> GPTC Kiosks Standard for Transit Communications Interface Profiles	APTA TCIP-S-001

Table 11

	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	3.0.4 (See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> GPTC Transit Vehicles	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management	<i>Destination:</i> Indiana Gateway	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> GPTC Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> Indiana Gateway	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> NICTD Kiosks	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> NICTD Rail Transit Vehicles	
<i>Source:</i>	NICTD Agency Management	<i>Destination:</i> NICTD Rail Transit Vehicles	
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: transit traveler information coordination**

<i>Source:</i>	ECT Agency Management	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
	APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001

Table 11

3.0.4

<p><i>Source:</i> GPTC Agency Management AASHTO/ITE/NEMA APTA</p>	<p><i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA APTA</p>	<p><i>Destination:</i> ECT Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA APTA</p>	<p><i>Destination:</i> GPTC Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA APTA</p>	<p><i>Destination:</i> NICTD Agency Management NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> NICTD Agency Management AASHTO/ITE/NEMA APTA</p>	<p><i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group Standard for Transit Communications Interface Profiles</p>	<p>(See Table 9) APTA TCIP-S-001 3.0.4</p>

**Flow: transit traveler request**

<p><i>Source:</i> ECT Transit Vehicles APTA</p>	<p><i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> GPTC Transit Vehicles APTA</p>	<p><i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway APTA</p>	<p><i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway APTA</p>	<p><i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> Indiana Gateway APTA</p>	<p><i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> NICTD Rail Transit Vehicles APTA</p>	<p><i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>

**Flow: transit vehicle conditions**

<p><i>Source:</i> ECT Transit Vehicles APTA</p>	<p><i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> GPTC Transit Vehicles APTA</p>	<p><i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
<p><i>Source:</i> NICTD Rail Transit Vehicles APTA</p>	<p><i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>

**Flow: transit vehicle loading data**

<p><i>Source:</i> ECT Transit Vehicles APTA</p>	<p><i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles</p>	<p>APTA TCIP-S-001 3.0.4</p>
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Table 11

<i>Source:</i> GPTC Transit Vehicles APTA	<i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Rail Transit Vehicles APTA	<i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: transit vehicle location data</b>		
<i>Source:</i> ECT Transit Vehicles APTA	<i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Transit Vehicles APTA	<i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Rail Transit Vehicles APTA	<i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: transit vehicle operator information</b>		
<i>Source:</i> ECT Agency Management APTA	<i>Destination:</i> ECT Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Agency Management APTA	<i>Destination:</i> GPTC Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Agency Management APTA	<i>Destination:</i> NICTD Rail Transit Vehicles Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: transit vehicle schedule performance</b>		
<i>Source:</i> ECT Transit Vehicles APTA	<i>Destination:</i> ECT Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> GPTC Transit Vehicles APTA	<i>Destination:</i> GPTC Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<i>Source:</i> NICTD Rail Transit Vehicles	<i>Destination:</i> NICTD Agency Management	
<i>Source:</i> NICTD Rail Transit Vehicles APTA	<i>Destination:</i> NICTD Agency Management Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
<b>Flow: travel service information</b>		
<i>Source:</i> Kiosks, Yellow Pages, and Other Remote Traveler Support AASHTO/ITE/NEMA SAE	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<b>Flow: travel service information request</b>		
<i>Source:</i> Private Information Service Providers AASHTO/ITE/NEMA SAE	<i>Destination:</i> Kiosks, Yellow Pages, and Other Remote Traveler Support NTCIP Center-to-Center Standards Group Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9) (See Table 9)
<b>Flow: travel service reservation request</b>		
<i>Source:</i> Private Information Service Providers AASHTO/ITE/NEMA	<i>Destination:</i> Kiosks, Yellow Pages, and Other Remote Traveler Support NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

**Flow: travel service reservations**

<i>Source:</i> Kiosks, Yellow Pages, and Other Remote Traveler Support AASHTO/ITE/NEMA	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group	(See Table 9)
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**Flow: travel services information**

<i>Source:</i> Indiana Gateway SAE	<i>Destination:</i> GPTC Kiosks Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Indiana Gateway SAE	<i>Destination:</i> Indiana Toll Road Kiosks Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Indiana Gateway SAE	<i>Destination:</i> INDOT-Northwest District Arterial TMC Kiosks Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Indiana Gateway SAE	<i>Destination:</i> Local TMCs Kiosks Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Indiana Gateway SAE	<i>Destination:</i> NICTD Kiosks Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Private Information Service Providers SAE	<i>Destination:</i> Personal Travel Information Access Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Private Information Service Providers SAE	<i>Destination:</i> Vehicle ITS Equipment Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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**Flow: travel services request**

<i>Source:</i> GPTC Kiosks	<i>Destination:</i> Indiana Gateway	
<i>Source:</i> GPTC Kiosks SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

<i>Source:</i> Indiana Toll Road Kiosks SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Local TMCs Kiosks SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> NICTD Kiosks SAE	<i>Destination:</i> Indiana Gateway Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Personal Travel Information Access SAE	<i>Destination:</i> Private Information Service Providers Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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<i>Source:</i> Vehicle ITS Equipment SAE	<i>Destination:</i> Private Information Service Providers Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
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**Flow: traveler archive data**

<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Archived Data Management System NTCIP Center-to-Center Standards Group	(See Table 9)
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Table 11

ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Northwest Indiana Archive	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Private Information Service Providers	<i>Destination:</i> Indiana Gateway	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: traveler information for media**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Private Information Service Providers	<i>Destination:</i> Media	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: traveler profile**

<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Personal Travel Information Access	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Vehicle ITS Equipment	<i>Destination:</i> Private Information Service Providers	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

**Flow: traveler request**

<i>Source:</i> GPTC Kiosks	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Indiana Toll Road Kiosks	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> Local TMCs Kiosks	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i> NICTD Kiosks	<i>Destination:</i> Indiana Gateway	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>trip confirmation</b>			
<i>Source:</i>	GPTC Kiosks	<i>Destination:</i>	Indiana Gateway	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Kiosks	<i>Destination:</i>	Indiana Gateway	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i>	Indiana Gateway	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Kiosks	<i>Destination:</i>	Indiana Gateway	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	NICTD Kiosks	<i>Destination:</i>	Indiana Gateway	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>trip log</b>			
<i>Source:</i>	Commercial Vehicles	<i>Destination:</i>	Fleet and Freight Management System	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<b>Flow:</b>	<b>trip log request</b>			
<i>Source:</i>	Fleet and Freight Management System	<i>Destination:</i>	Commercial Vehicles	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
<b>Flow:</b>	<b>trip plan</b>			
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	GPTC Kiosks	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Indiana Toll Road Kiosks	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Kiosks	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Local TMCs Kiosks	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	NICTD Kiosks	
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	NICTD Kiosks	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Personal Travel Information Access	
	APTA		Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.4
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Destination:</i>	Personal Travel Information Access	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Personal Travel Information Access	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Private Information Service Providers	<i>Destination:</i>	Vehicle ITS Equipment	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Flow:</i>	<b>trip request</b>			
<i>Source:</i>	GPTC Kiosks	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Kiosks	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Kiosks	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Kiosks	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)



Table 11

<i>Source:</i>	NICTD Kiosks	<i>Destination:</i>	Indiana Gateway	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Personal Travel Information Access	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Private Information Service Providers	
	SAE		Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Table 9)
<b>Flow:</b>	<b>vehicle payment information</b>			
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	IEEE		Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11
<i>Source:</i>	Vehicle ITS Equipment	<i>Destination:</i>	Parking Management	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	IEEE		Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11
<b>Flow:</b>	<b>vehicle payment request</b>			
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Vehicle ITS Equipment	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	IEEE		Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11
<i>Source:</i>	Parking Management	<i>Destination:</i>	Vehicle ITS Equipment	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	IEEE		Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11
<b>Flow:</b>	<b>vehicle payment update</b>			
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i>	Vehicle ITS Equipment	
	ASTM		Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE		Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE		Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999

Table 11

IEEE	Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11
<i>Source:</i> Parking Management	<i>Destination:</i> Vehicle ITS Equipment	
<i>Source:</i> Parking Management	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
IEEE	Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS)	IEEE P1609.11

**Flow: vehicle signage data**

<i>Source:</i> Borman TMC Roadside Equipment	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i> INDOT Maintenance and Construction Vehicles	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
SAE	Dedicated Short Range Communications (DSRC) Message Set Dictionary	SAE J2735
<i>Source:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i> Local Maintenance and Construction Vehicles	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
SAE	Dedicated Short Range Communications (DSRC) Message Set Dictionary	SAE J2735
<i>Source:</i> Local TMCs Roadside Equipment	<i>Destination:</i> Vehicle ITS Equipment	
ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Vehicle ITS Equipment
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
<i>Source:</i>	Private Maintenance and Construction Vehicles	<i>Destination:</i>	Vehicle ITS Equipment
	ASTM	Dedicated Short Range Communication at 915 MHz Standards Group	(See Table 9)
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group	(See Table 9)
	IEEE	Standard for Message Sets for Vehicle/Roadside Communications	IEEE 1455-1999
	SAE	Dedicated Short Range Communications (DSRC) Message Set Dictionary	SAE J2735

**Flow: video surveillance control**

<i>Source:</i>	Borman Hoosier Helpers	<i>Destination:</i>	Borman TMC Roadside Equipment
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Borman TMC	<i>Destination:</i>	Borman TMC Roadside Equipment
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Borman TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	Indiana Toll Road Operations Center	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Camera Control	NTCIP 1205
	AASHTO/ITE/NEMA	Object Definitions for Closed Circuit Television (CCTV) Switching	NTCIP 1208

Table 11

	Switching		
<i>Source:</i>	INDOT-Northwest District Arterial TMC	<i>Destination:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching NTCIP 1208
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i>	Local TMCs Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching NTCIP 1208
<i>Source:</i>	Local TMCs	<i>Destination:</i>	Local TMCs Roadside Equipment
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group (See Table 9)
	AASHTO/ITE/NEMA		Global Object Definitions NTCIP 1201
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Camera Control NTCIP 1205
	AASHTO/ITE/NEMA		Object Definitions for Closed Circuit Television (CCTV) Switching NTCIP 1208

**Flow: weather archive data**

<i>Source:</i>	Weather Services	<i>Destination:</i>	Archived Data Management System
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems ASTM E2468-05
<i>Source:</i>	Weather Services	<i>Destination:</i>	Northwest Indiana Archive
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
	ASTM		Standard Practice for Metadata to Support Archived Data Management Systems ASTM E2468-05

**Flow: weather information**

<i>Source:</i>	Weather Services	<i>Destination:</i>	Borman Hoosier Helpers
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	Borman TMC
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	ECT Agency Management
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	Emergency Medical Services
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	GPTC Agency Management
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	Indiana State Police District 13
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	Indiana State Police District 21 (Toll Road)
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	Indiana Toll Road Operations Center
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)
<i>Source:</i>	Weather Services	<i>Destination:</i>	INDOT Maintenance and Construction Management System
	AASHTO/ITE/NEMA		NTCIP Center-to-Center Standards Group (See Table 9)

Table 11

<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> Local Emergency Services NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> Local Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> Local TMCs NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> NICTD Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> Private Information Service Providers NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Weather Services AASHTO/ITE/NEMA	<i>Destination:</i> Private Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: widearea statistical pollution information**

<i>Source:</i> Borman TMC AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Emissions Management AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Borman Hoosier Helpers NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Borman TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Toll Road Operations Center NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> INDOT-Northwest District Arterial TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Local TMCs NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: work plan coordination**

<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> INDOT Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Local Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i> Private Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> INDOT Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i> Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i> Local Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i> Private Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)

Table 11

<i>Source:</i>	Private Maintenance and Construction Management System AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: work plan feedback</b>				
<i>Source:</i>	Borman Hoosier Helpers AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Borman TMC AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	ECT Agency Management AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Emergency Medical Services AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Freight Rail Operators AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	GPTC Agency Management AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	INDOT Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Local Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Private Maintenance and Construction Management System NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 13 AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana State Police District 21 (Toll Road) AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Toll Road Operations Center AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Emergency Services AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	NICTD Agency Management AASHTO/ITE/NEMA	<i>Destination:</i>	Indiana Gateway NTCIP Center-to-Center Standards Group	(See Table 9)
<b>Flow: work zone information</b>				
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Borman Hoosier Helpers NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Borman TMC NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	ECT Agency Management NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway AASHTO/ITE/NEMA	<i>Destination:</i>	Emergency Medical Services NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i>	GPTC Agency Management	

Table 11

	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 13	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana State Police District 21 (Toll Road)	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Indiana Toll Road Operations Center	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> INDOT-Northwest District Arterial TMC	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Emergency Services	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Local TMCs	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Media	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> NICTD Agency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Information Service Providers	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Indiana Gateway	<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Table 9)

**Flow: work zone warning device control**

<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Borman TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	INDOT Maintenance and Construction Management System	<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local Maintenance and Construction Management System	<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System	<i>Destination:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Table 9)

Table 11

	Management System		Plazas/Gantries	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System		<i>Destination:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Private Maintenance and Construction Management System		<i>Destination:</i> Local TMCs Roadside Equipment	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)

**Flow: work zone warning notification**

<i>Source:</i>	Borman TMC Roadside Equipment		<i>Destination:</i> INDOT Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	Borman TMC Roadside Equipment		<i>Destination:</i> Private Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries		<i>Destination:</i> INDOT Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries		<i>Destination:</i> Private Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment		<i>Destination:</i> INDOT Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment		<i>Destination:</i> Private Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment		<i>Destination:</i> Local Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment		<i>Destination:</i> Private Maintenance and Construction Vehicles	
	ASTM/IEEE/SAE	Dedicated Short Range Communication at 5.9 GHz Standards Group		(See Table 9)

**Flow: work zone warning status**

<i>Source:</i>	Borman TMC Roadside Equipment		<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Borman TMC Roadside Equipment		<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Indiana Gateway		<i>Destination:</i> INDOT Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Indiana Gateway		<i>Destination:</i> Local Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Indiana Gateway		<i>Destination:</i> Private Maintenance and Construction Management System	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)
<i>Source:</i>	Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries		<i>Destination:</i> Indiana Gateway	
	AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group		(See Table 9)



## Table 11

<i>Source:</i>	INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)
<i>Source:</i>	Local TMCs Roadside Equipment	<i>Destination:</i>	Indiana Gateway	
	AASHTO/ITE/NEMA		NTCIP Center-to-Field Standards Group	(See Table 9)