APPENDIX C:
TIPPECANOE COUNTY RELEVANT ITS STANDARDS BY FLOW

ITS standards establish a common way in which devices connect and communicate with one another. This allows transportation agencies to implement systems that cost-effectively exchange pertinent data and accommodate equipment replacement, system upgrades, and system expansion. Standards benefit the traveling public by providing products that will function consistently and reliably throughout the area. ITS standards contribute to a safer and more efficient transportation system, facilitate regional interoperability, and promote an innovative and competitive market for transportation products and services.

The following table identifies the ITS standards that are potentially applicable to Tippecanoe County. This table was created by taking the standards information available from the National ITS Architecture v5.1 via the Turbo Architecture v3.1.8 database (which identifies standards applicable to each architecture flow).

The following Standards Development Organizations (SDO) participate in ITS standards:
- AASHTO (American Association of State Highway and Transportation Officials)
- ANSI (American National Standards Institute)
- APTA (American Public Transportation Organization)
- 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)

It is also important to note that ITS standards have not been defined for all flows in the National ITS Architecture. The following table lists the name of the standard in the first column and the SDO and the number of the standard in the second column. Regular updates of the SDO activities will help ensure that the latest standards are utilized.

The following information provides only the standards associated with **existing and planned** flows in the Tippecanoe County Regional ITS Architecture as identified by Turbo Architecture v3.1.8 (SDOMAP v5.1.1).

Standards for Tippecanoe County Regional Architecture v1.2

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> **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

Flow: **alarm notification**

Source: CityBus - Transit Vehicles   *Destination:*   CityBus - Operations Center and Dispatch

APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **alert notification coordination**

Source: CityBus - Operations Center and Dispatch   *Destination:*   Lafayette - Public Safety and Emergency Management

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

Source: CityBus - Operations Center and Dispatch   *Destination:*   Purdue - Public Safety and Emergency Management

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   CityBus - Operations Center and Dispatch

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   Small Municipality - Public Safety and Emergency Management

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   State Police - Public Safety and Emergency Management

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   Tippecanoe Co - Public Safety and Emergency Management

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   West Lafayette - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:*   CityBus - Operations Center and Dispatch

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

Source: Purdue - Public Safety and Emergency Management   *Destination:*   Small Municipality - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:*   State Police - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:*   Tippecanoe Co - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:*   West Lafayette - Public Safety and Emergency Management

Standards for Tippecanoe County Regional Architecture v1.2

	Lead SDO	Standard Name	Document ID

Source: Purdue - Public Safety and Emergency Management   *Destination:* West Lafayette - Public Safety and Emergency Management

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

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

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

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

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

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

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

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

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

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* West Lafayette - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* Small Municipality - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* West Lafayette - Public Safety and Emergency Management

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Small Municipality - Public Safety and Emergency Management

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* West Lafayette - Public Safety and Emergency Management

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

Standards for Tippecanoe County Regional Architecture v1.2

	Lead SDO	Standard Name	Document ID
Source:	West Lafayette - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	West Lafayette - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	West Lafayette - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	West Lafayette - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	West Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **alert status**

	Lead SDO	Standard Name	Document ID
Source:	INDOT - TMC, TO, and MCM	*Destination:* State Police - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	INDOT - TMC, TO, and MCM	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **alerts and advisories**

	Lead SDO	Standard Name	Document ID
Source:	Weather Services	*Destination:* State Police - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	Weather Services	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archive analysis requests**

	Lead SDO	Standard Name	Document ID
Source:	APC of Tippecanoe County	*Destination:* State Police - Crash Reports Database	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archive analysis results**

	Lead SDO	Standard Name	Document ID
Source:	State Police - Crash Reports Database	*Destination:* APC of Tippecanoe County	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archive request confirmation**

	Lead SDO	Standard Name	Document ID
Source:	State Police - Crash Reports Database	*Destination:* APC of Tippecanoe County	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archive requests**

	Lead SDO	Standard Name	Document ID
Source:	APC of Tippecanoe County	*Destination:* CityBus - Operations Center and Dispatch	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	INDOT - Data Services	*Destination:* INDOT - 511 Traveler Information	
	AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source:	INDOT - Data Services	*Destination:* INDOT - TMC, TO, and MCM	
	AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: INDOT - Data Services   *Destination:*   INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   INDOT - TMC, TO, and MCM

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Lafayette - TMC and MCM

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Purdue - Facilities and Grounds

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   State Police - Public Safety and Emergency Management

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Tippecanoe Co - MCM

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Weather Services

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   West Lafayette - TMC and MCM

| AASHTO/ITE | Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC) | ITE TMDD 2.1 |
| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Flow: **archive status**

Source: APC of Tippecanoe County   *Destination:*   CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: INDOT - Data Services   *Destination:*   INDOT - 511 Traveler Information

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: INDOT - Data Services   *Destination:*   INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Lafayette - TMC and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - CATS/Civil Engineering   *Destination:*   Purdue - Facilities and Grounds

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Purdue - CATS/Civil Engineering	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	*Destination:* Tippecanoe Co - MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	*Destination:* Weather Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - CATS/Civil Engineering	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Crash Reports Database	*Destination:* West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archived data product requests**

Lead SDO	Standard Name	Document ID
Source: APC of Tippecanoe County	*Destination:* State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **archived data products**

Lead SDO	Standard Name	Document ID
Source: State Police - Crash Reports Database	*Destination:* APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **broadcast traveler information**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Roadside Equipment	
SAE	Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **care facility status**

Lead SDO	Standard Name	Document ID
Source: Regional Hospitals	*Destination:* Purdue - Public Safety and Emergency Management	
IEEE	Incident Management Standards Group	(See Footnote)
Source: Regional Hospitals	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **care facility status request**

Lead SDO	Standard Name	Document ID
Source: Purdue - Public Safety and Emergency Management	*Destination:* Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Regional Hospitals	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Flow: **data collection and monitoring control**

Source: INDOT - Data Services   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   West Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Purdue - CATS/Civil Engineering   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Purdue - CATS/Civil Engineering   *Destination:*   Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Purdue - CATS/Civil Engineering   *Destination:*   West Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Purdue - CATS/Civil Engineering	*Destination:* West Lafayette - Roadside Equipment	
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
Source: West Lafayette - TMC and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: West Lafayette - TMC and MCM	*Destination:* Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: West Lafayette - TMC and MCM	*Destination:* West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Flow: **emergency archive data**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* State Police - Crash Reports Database	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: State Police - Public Safety and Emergency Management   *Destination:* State Police - Crash Reports Database

| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |
| IEEE | Incident Management Standards Group | (See Footnote) |

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* State Police - Crash Reports Database

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)

Source: West Lafayette - Public Safety and Emergency Management   *Destination:* State Police - Crash Reports Database

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **emergency routes**

Source: INDOT - TMC, TO, and MCM   *Destination:* Small Municipality - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Flow: **emergency transit schedule information**

Source: CityBus - Operations Center and Dispatch   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: CityBus - Operations Center and Dispatch   *Destination:* Purdue - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Flow: **evacuation coordination**

Source: CityBus - Operations Center and Dispatch   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: CityBus - Operations Center and Dispatch   *Destination:* Purdue - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Lafayette - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Lafayette - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Flow: **evacuation information**

Source: Lafayette - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **fare and price information**

Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **fare collection data**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **field equipment status**

Source: INDOT - TMC, TO, and MCM	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **hri operational status**

Source: INDOT - Roadside Equipment	*Destination:* Rail - Wayside Equipment	

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: INDOT - Roadside Equipment   *Destination:* Rail - Wayside Equipment

IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

Flow: **incident command information coordination**

Source: Lafayette - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Lafayette - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Purdue - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Purdue - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: State Police - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: State Police - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: State Police - Public Safety and Emergency Management   *Destination:* Small Municipality - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: State Police - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Small Municipality - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **incident information**

Source: INDOT - TMC, TO, and MCM   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: INDOT - TMC, TO, and MCM   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Lafayette - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Lafayette - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Lafayette - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Purdue - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Purdue - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: Purdue - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Purdue - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: State Police - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Purdue - Public Safety and Emergency Management

AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **incident report**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **incident response coordination**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Purdue - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **incident response status**

Lead SDO	Standard Name	Document ID
Source: State Police - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: State Police - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| IEEE | Incident Management Standards Group | (See Footnote) |

Flow: **interactive traveler information**

Source: CityBus - Operations Center and Dispatch   *Destination:* Lafayette - Public Safety and Emergency Management

| SAE | Advanced Traveler Information Systems (ATIS) General Use Standards Group | (See Footnote) |

Source: CityBus - Operations Center and Dispatch   *Destination:* Purdue - Public Safety and Emergency Management

| SAE | Advanced Traveler Information Systems (ATIS) General Use Standards Group | (See Footnote) |

Flow: **ISP coordination**

Source: INDOT - TMC, TO, and MCM   *Destination:* INDOT - 511 Traveler Information

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| SAE | Advanced Traveler Information Systems (ATIS) General Use Standards Group | (See Footnote) |

Flow: **logged vehicle routes**

Source: CityBus - Operations Center and Dispatch   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| SAE | Advanced Traveler Information Systems (ATIS) General Use Standards Group | (See Footnote) |

Flow: **maint and constr archive data**

Source: INDOT - TMC, TO, and MCM   *Destination:* APC of Tippecanoe County

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: INDOT - TMC, TO, and MCM   *Destination:* INDOT - Data Services

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: INDOT - TMC, TO, and MCM   *Destination:* Purdue - CATS/Civil Engineering

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: Lafayette - TMC and MCM   *Destination:* APC of Tippecanoe County

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: Lafayette - TMC and MCM   *Destination:* INDOT - Data Services

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: Lafayette - TMC and MCM   *Destination:* Purdue - CATS/Civil Engineering

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Source: Purdue - Facilities and Grounds   *Destination:* APC of Tippecanoe County

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |
| ASTM | Standard Practice for Metadata to Support Archived Data Management Systems | ASTM E2468-05 |

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Purdue - Facilities and Grounds	*Destination:* INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Purdue - Facilities and Grounds	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - MCM	*Destination:* APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - MCM	*Destination:* INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - TMC and MCM	*Destination:* APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - TMC and MCM	*Destination:* INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: West Lafayette - TMC and MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

Flow: **maint and constr resource coordination**

Source: INDOT - TMC, TO, and MCM	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: West Lafayette - TMC and MCM	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **maint and constr resource response**

Source: INDOT - TMC, TO, and MCM	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **maint and constr work plans**

Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **map updates**

Source: Tippecanoe Co - GIS	*Destination:* APC of Tippecanoe County	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - GIS	*Destination:* APC of Tippecanoe County	
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	*Destination:* CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05
Source: Tippecanoe Co - GIS	*Destination:* Purdue - Facilities and Grounds	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* Tippecanoe Co - MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - GIS	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

Flow: **personal transit information**

Source: CityBus - Operations Center and Dispatch	*Destination:* User Personal Computing Devices	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **request for vehicle measures**

Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **request transit information**

Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **resource coordination**

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **resource request**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
IEEE	Incident Management Standards Group	(See Footnote)

Flow: **road network conditions**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **road network traffic probe data**

Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **roadside archive data**

Source: INDOT - Roadside Equipment	*Destination:* INDOT - Data Services	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: INDOT - Roadside Equipment	*Destination:* Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: INDOT - Roadside Equipment	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: INDOT - Roadside Equipment	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: Lafayette - Roadside Equipment	*Destination:* Lafayette - TMC and MCM	

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: Lafayette - Roadside Equipment   *Destination:*   Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - Roadside Equipment   *Destination:*   Purdue - CATS/Civil Engineering

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - Roadside Equipment   *Destination:*   West Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - Roadside Equipment   *Destination:*   Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - Roadside Equipment   *Destination:*   Purdue - CATS/Civil Engineering

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - Roadside Equipment   *Destination:*   West Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Flow: **roadway equipment coordination**

Source: INDOT - Roadside Equipment   *Destination:*   Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Object Definitions for Actuated Traffic Signal Controller (ASC) Units	NTCIP 1202

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: INDOT - Roadside Equipment	*Destination:* Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters	NTCIP 1210
Source: INDOT - Roadside Equipment	*Destination:* West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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
Source: Lafayette - Roadside Equipment	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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
Source: Lafayette - Roadside Equipment	*Destination:* West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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
Source: West Lafayette - Roadside Equipment	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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
Source: West Lafayette - Roadside Equipment	*Destination:* Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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

Flow: **roadway information system data**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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**

Lead SDO	Standard Name	Document ID
Source: INDOT - Roadside Equipment	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Object Definitions for Dynamic Message Signs (DMS)	NTCIP 1203

Flow: **secure area surveillance control**

Lead SDO	Standard Name	Document ID
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency 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

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Flow: **secure area surveillance data**

Source: Lafayette - Public Safety and Emergency Management   *Destination:*   Tippecanoe Co - Public Safety and Emergency 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

Flow: **signal control data**

Source: INDOT - TMC, TO, and MCM   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - TMC and MCM   *Destination:*   West Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - TMC and MCM   *Destination:*   INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: West Lafayette - TMC and MCM   *Destination:*   Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - TMC and MCM   *Destination:*   West Lafayette - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Flow: **signal control status**

Source: INDOT - Roadside Equipment   *Destination:*   INDOT - TMC, TO, and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: INDOT - Roadside Equipment   *Destination:*   Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: INDOT - Roadside Equipment   *Destination:*   West Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - Roadside Equipment   *Destination:*   Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: Lafayette - Roadside Equipment   *Destination:*   West Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Source: West Lafayette - Roadside Equipment   *Destination:* Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Source: West Lafayette - Roadside Equipment   *Destination:* West Lafayette - TMC and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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

Flow: **speed monitoring control**

Source: INDOT - TMC, TO, and MCM   *Destination:* INDOT - Roadside Equipment

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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**

Source: INDOT - Roadside Equipment   *Destination:* INDOT - TMC, TO, and MCM

AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Flow: **threat information**

Source: Lafayette - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

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

Source: State Police - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

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

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

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

Flow: **threat information coordination**

Source: Lafayette - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

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

Source: Lafayette - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:* State Police - Public Safety and Emergency Management

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

Source: Purdue - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

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

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Small Municipality - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: State Police - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Tippecanoe Co - Public Safety and Emergency Management	*Destination:* West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: West Lafayette - Public Safety and Emergency Management	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **track status**

Source: Rail - Wayside Equipment	*Destination:* INDOT - Roadside Equipment	
IEEE	Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection	IEEE 1570-2002

Flow: **traffic archive data**

Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Data Services	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Data Services	
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 WK7604
Source: INDOT - TMC, TO, and MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: Lafayette - TMC and MCM	*Destination:* APC of Tippecanoe County	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: Lafayette - TMC and MCM	*Destination:* INDOT - Data Services	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: Lafayette - TMC and MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: West Lafayette - TMC and MCM	*Destination:* APC of Tippecanoe County	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: West Lafayette - TMC and MCM	*Destination:* INDOT - Data Services	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604
Source: West Lafayette - TMC and MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE	Traffic Management Data Dictionary and Message Sets for External TMC Communication (TMDD and MS/ETMCC)	ITE TMDD 2.1

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: West Lafayette - TMC and MCM	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 WK7604

Flow: **traffic control priority request**

Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 3.0.0

Flow: **traffic control priority status**

Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
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 3.0.0

Flow: **traffic flow**

Source: INDOT - Roadside Equipment	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: INDOT - Roadside Equipment	*Destination:* Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: INDOT - Roadside Equipment	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: Lafayette - Roadside Equipment	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: West Lafayette - Roadside Equipment	*Destination:* Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: West Lafayette - Roadside Equipment	*Destination:* West Lafayette - TMC and MCM	

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: West Lafayette - Roadside Equipment	*Destination:* West Lafayette - TMC and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Flow: **traffic images**

Source: INDOT - Roadside Equipment	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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
Source: INDOT - TMC, TO, and MCM	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* Small Municipality - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: INDOT - TMC, TO, and MCM	*Destination:* West Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **traffic sensor control**

Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: Lafayette - TMC and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: Lafayette - TMC and MCM	*Destination:* Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: Lafayette - TMC and MCM	*Destination:* West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: West Lafayette - TMC and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: West Lafayette - TMC and MCM	*Destination:* Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209
Source: West Lafayette - TMC and MCM	*Destination:* West Lafayette - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
AASHTO/ITE/NEMA	Global Object Definitions	NTCIP 1201
AASHTO/ITE/NEMA	Data Element Definitions for Transportation Sensor Systems (TSS)	NTCIP 1209

Flow: **transit archive data**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - CATS/Civil Engineering	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
ASTM	Standard Practice for Metadata to Support Archived Data Management Systems	ASTM E2468-05

Flow: **transit demand management request**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **transit demand management response**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **transit fare and passenger status**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **transit fare information**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **transit information user request**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: User Personal Computing Devices	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **transit probe data**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **transit schedule information**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit system data**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **transit system status assessment**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **transit traveler information**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Information Displays	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **transit vehicle conditions**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle loading data**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle location data**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle operator authentication information**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle operator authentication update**

Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle operator information**

Source: CityBus - Operations Center and Dispatch	*Destination:* CityBus - Transit Vehicles	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transit vehicle schedule performance**

Source: CityBus - Transit Vehicles	*Destination:* CityBus - Operations Center and Dispatch	
APTA	Standard for Transit Communications Interface Profiles	APTA TCIP-S-001 3.0.0

Flow: **transportation information for operations**

Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Flow: **transportation system status**

Source: CityBus - Operations Center and Dispatch   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: CityBus - Operations Center and Dispatch   *Destination:* Purdue - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Lafayette - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Lafayette - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Lafayette - Public Safety and Emergency Management   *Destination:* Tippecanoe Co - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Purdue - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Small Municipality - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: State Police - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: Tippecanoe Co - Public Safety and Emergency Management   *Destination:* Lafayette - Public Safety and Emergency Management

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Source: West Lafayette - Public Safety and Emergency Management   *Destination:* INDOT - TMC, TO, and MCM

| AASHTO/ITE/NEMA | NTCIP Center-to-Center Standards Group | (See Footnote) |

Flow: **traveler archive data**

Source: INDOT - 511 Traveler Information   *Destination:* INDOT - Data Services

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

Flow: **traveler request**

Source: Lafayette - Public Safety and Emergency Management   *Destination:* CityBus - Operations Center and Dispatch

| SAE | Advanced Traveler Information Systems (ATIS) General Use Standards Group | (See Footnote) |

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **trip confirmation**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **trip plan**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **trip request**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **video surveillance control**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - Roadside Equipment	
AASHTO/ITE/NEMA	NTCIP Center-to-Field Standards Group	(See Footnote)
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: **voice-based alert notification**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **voice-based traveler information**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **voice-based traveler request**

Lead SDO	Standard Name	Document ID
Source: INDOT - 511 Traveler Information	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **weather information**

Lead SDO	Standard Name	Document ID
Source: Weather Services	*Destination:* INDOT - 511 Traveler Information	

Lead SDO	Standard Name	Document ID
Source: Weather Services	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services	*Destination:* INDOT - TMC, TO, and MCM	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services	*Destination:* State Police - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)
Source: Weather Services	*Destination:* Tippecanoe Co - Public Safety and Emergency Management	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **work zone information**

Lead SDO	Standard Name	Document ID
Source: INDOT - TMC, TO, and MCM	*Destination:* INDOT - 511 Traveler Information	
AASHTO/ITE/NEMA	NTCIP Center-to-Center Standards Group	(See Footnote)

Flow: **yellow pages information**

Lead SDO	Standard Name	Document ID
Source: CityBus - Operations Center and Dispatch	*Destination:* Lafayette - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: CityBus - Operations Center and Dispatch	*Destination:* Purdue - Public Safety and Emergency Management	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Flow: **yellow pages request**

Lead SDO	Standard Name	Document ID
Source: Lafayette - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)
Source: Purdue - Public Safety and Emergency Management	*Destination:* CityBus - Operations Center and Dispatch	
SAE	Advanced Traveler Information Systems (ATIS) General Use Standards Group	(See Footnote)

Standards for Tippecanoe County Regional Architecture v1.2

Lead SDO	Standard Name	Document ID

Footnotes:

Advanced Traveler Information Systems (ATIS) Bandwidth Limited Standards Group

SDO	Standard Name	Document ID
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Standard for ATIS Message Sets Delivered Over Reduced Bandwidth Media	SAE J2369
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2
SAE	National Names Phrase List	SAE J2540/3

Advanced Traveler Information Systems (ATIS) General Use Standards Group

SDO	Standard Name	Document ID
SAE	Location Referencing Message Specification (LRMS)	SAE J2266
SAE	Message Set for Advanced Traveler Information System (ATIS)	SAE J2354
SAE	Messages for Handling Strings and Look-Up Tables in ATIS Standards	SAE J2540
SAE	RDS (Radio Data System) Phrase Lists	SAE J2540/1
SAE	ITIS (International Traveler Information Systems) Phrase Lists	SAE J2540/2
SAE	National Names Phrase List	SAE J2540/3

Incident Management Standards Group

SDO	Standard Name	Document ID
IEEE	Standard for Common Incident Management Message Sets for use by Emergency Management Centers	IEEE 1512 -2006
IEEE	Standard for Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.1-2006
IEEE	Standard for Public Safety Traffic Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.2-2004
IEEE	Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers	IEEE 1512.3-2006
IEEE	Standard for Common Traffic Incident Management Message Sets for Use in Entities External to Centers	IEEE P1512.4

NTCIP Center-to-Center Standards Group

SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102
AASHTO/ITE/NEMA	Center-to-Center Naming Convention Specification	NTCIP 1104
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	File Transfer Protocol (FTP) Application Profile	NTCIP 2303

Lead SDO	Standard Name	Document ID

NTCIP Center-to-Center Standards Group

SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Application Profile for DATEX-ASN (AP-DATEX)	NTCIP 2304
AASHTO/ITE/NEMA	Application Profile for XML Message Encoding and Transport in ITS Center-to-Center Communications (C2C XML)	NTCIP 2306

NTCIP Center-to-Field Standards Group

SDO	Standard Name	Document ID
AASHTO/ITE/NEMA	Octet Encoding Rules (OER) Base Protocol	NTCIP 1102
AASHTO/ITE/NEMA	Transportation Management Protocols (TMP)	NTCIP 1103
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using RS-232 Subnetwork Profile	NTCIP 2101
AASHTO/ITE/NEMA	Point to Multi-Point Protocol Using FSK Modem Subnetwork Profile	NTCIP 2102
AASHTO/ITE/NEMA	Point-to-Point Protocol Over RS-232 Subnetwork Profile	NTCIP 2103
AASHTO/ITE/NEMA	Ethernet Subnetwork Profile	NTCIP 2104
AASHTO/ITE/NEMA	Transportation Transport Profile	NTCIP 2201
AASHTO/ITE/NEMA	Internet (TCP/IP and UDP/IP) Transport Profile	NTCIP 2202
AASHTO/ITE/NEMA	Simple Transportation Management Framework (STMF) Application Profile	NTCIP 2301
AASHTO/ITE/NEMA	Trivial File Transfer Protocol (TFTP) Application Profile	NTCIP 2302
AASHTO/ITE/NEMA	File Transfer Protocol (FTP) Application Profile	NTCIP 2303