

VI. Element Inventory:

ITS elements are elements that enable an ITS architecture to function. They are either directly ITS elements (for example CCTV cameras, which themselves can be more broadly grouped as roadside equipment to also include Dynamic Messaging Signs, signals, etc.) or indirectly ITS elements in that their operation is essential to a functioning ITS architecture (for example vehicle characteristics, which ITS equipment can detect). A regional ITS architecture element inventory is a list of all the elements that the architecture development process described in Section II has identified. The elements also have statuses of either “Existing,” meaning they are currently operational, “Planned,” meaning they plan to be operational within the next 10 years, or “Potential,” meaning they could be operational within 10 years. Every ITS element is under the jurisdiction or control of a stakeholder.

Table 4 contains the element inventory by stakeholder so that stakeholders can quickly see which element(s) they are responsible for. Table 5 then lists the element inventory in alphabetical order by element, with a more complete description of the elements and the entity or entities which they are mapped to. An entity is a category or type of element that comes directly from the National ITS Architecture and that provides convenience in organizing the elements in the regional architecture.



Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Activity Center - Hospitals

Element: Emergency Medical Personnel *Status:* Existing

Element: Emergency Medical Services *Status:* Existing

Element: Regional Hospitals *Status:* Existing

Activity Center - Indiana Dunes National Lakeshore

Element: Indiana Dunes National Lakeshore Shuttle Agency Management *Status:* Planned

Element: Indiana Dunes National Lakeshore Shuttle Drivers *Status:* Planned

Element: Indiana Dunes National Lakeshore Shuttle Kiosks *Status:* Planned

Element: Indiana Dunes National Lakeshore Shuttle Personnel *Status:* Planned

Element: Indiana Dunes National Lakeshore Shuttle Transit Vehicles *Status:* Planned

Element: Indiana Dunes National Lakeshore Visitors Center and Park Access *Status:* Existing

Fleet and Freight Operators - Commercial Vehicle Operators

Element: Commercial Vehicle Drivers *Status:* Existing

Element: Commercial Vehicle Managers *Status:* Existing

Element: Commercial Vehicle PrePass *Status:* Existing

Element: Commercial Vehicles *Status:* Existing

Element: Fleet and Freight Management System *Status:* Existing

Fleet and Freight Operators - Freight Railroads

Element: Freight Rail Crews *Status:* Existing

Element: Freight Rail Operators *Status:* Existing

Element: Freight Rail Wayside Equipment *Status:* Existing

Fleet and Freight Operators - Intermodal Freight Shippers

Element: Intermodal Freight Shippers *Status:* Existing

Fleet and Freight Operators - Ports of Indiana Commission

Element: Port of Indiana at Burns Harbor *Status:* Existing

Other - Academic and Research Organizations

Element: Academic and Research Organizations *Status:* Existing

Other - Area Media Outlets

Element: Media *Status:* Existing

Other - National Weather Service

Element: Weather Services *Status:* Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Other - Non-Profits and Advocacy Groups

Element: Non-Profits and Advocacy Groups Promotions *Status:* Existing

Other - Traveling Public

Element: Basic Vehicles *Status:* Existing

Element: Drivers *Status:* Existing

Element: Environment *Status:* Existing

Element: Location Data Source *Status:* Existing

Element: Pedestrians and Bicyclists *Status:* Existing

Element: Personal Travel Information Access *Status:* Existing

Element: Potential Obstacles *Status:* Existing

Element: Roadway Environment *Status:* Existing

Element: Secure Area Environment *Status:* Existing

Element: Traffic *Status:* Existing

Element: Transit Users *Status:* Existing

Element: Travelers *Status:* Existing

Element: Vehicle Characteristics *Status:* Existing

Element: Vehicle ITS Equipment *Status:* Existing

Other Public Sector - City of Gary

Element: City of Gary 311 Center *Status:* Existing

Element: City of Gary Traffic Division *Status:* Existing

Other Public Sector - City of Hammond

Element: City of Hammond 311 Center *Status:* Existing

Other Public Sector - Indiana Department of Environmental Management

Element: Indiana Emissions Management *Status:* Existing

Other Public Sector - Indiana Department of Revenue

Element: Indiana Department of Revenue International Fuel Tax Agreement (IFTA) C *Status:* Existing

Element: Indiana Department of Revenue Unified Carrier Registration (UCR) *Status:* Existing

Other Public Sector - Indiana Finance Authority

Element: Indiana Transportation Tolling/Finance *Status:* Existing

Other Public Sector - Lake County

Element: Lake County Asset Management *Status:* Existing

Element: Lake County E-911 Center *Status:* Planned

Element: Lake County Equipment Repair Facilities *Status:* Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> Lake County Field Equipment	<i>Status:</i> Existing
<i>Element:</i> Lake County Highway Department	<i>Status:</i> Existing
<i>Element:</i> Lake County Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> Lake County Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> Lake County Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> Lake County Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> Lake County Multimodal Crossings	<i>Status:</i> Existing
Other Public Sector - LaPorte County	
<i>Element:</i> LaPorte County Asset Management	<i>Status:</i> Existing
<i>Element:</i> LaPorte County E-911 Communications Center	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Equipment Repair Facilities	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Field Equipment	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Highway Department	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> LaPorte County Multimodal Crossings	<i>Status:</i> Existing
Other Public Sector - Municipalities/Townships	
<i>Element:</i> Local Asset Management	<i>Status:</i> Existing
<i>Element:</i> Local Emergency Services	<i>Status:</i> Existing
<i>Element:</i> Local Emergency Services Personnel	<i>Status:</i> Existing
<i>Element:</i> Local Emergency Telecommunications Systems	<i>Status:</i> Existing
<i>Element:</i> Local Emergency Vehicles	<i>Status:</i> Existing
<i>Element:</i> Local Equipment Repair Facilities	<i>Status:</i> Existing
<i>Element:</i> Local Field Equipment	<i>Status:</i> Existing
<i>Element:</i> Local Maintenance and Construction Center Personnel	<i>Status:</i> Planned
<i>Element:</i> Local Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> Local Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> Local Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> Local Multimodal Crossings	<i>Status:</i> Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> Local Streets Departments	<i>Status:</i> Existing
<i>Element:</i> Local TMCs	<i>Status:</i> Potential
<i>Element:</i> Local TMCs Inspection Facilities	<i>Status:</i> Potential
<i>Element:</i> Local TMCs Kiosks	<i>Status:</i> Potential
<i>Element:</i> Local TMCs Personnel	<i>Status:</i> Potential
<i>Element:</i> Local TMCs Roadside Equipment	<i>Status:</i> Potential
<i>Element:</i> Parking Management	<i>Status:</i> Existing
<i>Element:</i> Parking Operators	<i>Status:</i> Existing
Other Public Sector - Northwestern Indiana Regional Planning Commission (NIRPC)	
<i>Element:</i> NIRPC Data Archive	<i>Status:</i> Existing
Other Public Sector - Porter County	
<i>Element:</i> Porter County Asset Management	<i>Status:</i> Existing
<i>Element:</i> Porter County Central Communications	<i>Status:</i> Existing
<i>Element:</i> Porter County Equipment Repair Facilities	<i>Status:</i> Existing
<i>Element:</i> Porter County Field Equipment	<i>Status:</i> Existing
<i>Element:</i> Porter County Highway Department	<i>Status:</i> Existing
<i>Element:</i> Porter County Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> Porter County Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> Porter County Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> Porter County Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> Porter County Multimodal Crossings	<i>Status:</i> Existing
Other Public Sector - State Tourism Agency/Bureau	
<i>Element:</i> Indiana Toll Road Kiosks	<i>Status:</i> Existing
<i>Element:</i> Indiana Welcome Center	<i>Status:</i> Existing
Private Sector - Construction and Maintenance Contractors	
<i>Element:</i> Private Equipment and Repair Facilities	<i>Status:</i> Existing
<i>Element:</i> Private Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> Private Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> Private Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> Private Maintenance and Construction Vehicles	<i>Status:</i> Existing
Private Sector - Event Promoters	
<i>Element:</i> Event Promoters	<i>Status:</i> Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Private Sector - Financial Institutions

Element: Financial Institutions *Status:* Existing

Element: Payment Instruments *Status:* Existing

Private Sector - HAZMAT Agencies

Element: Hazmat Management and Cleanup *Status:* Existing

Element: Hazmat Response Vehicles *Status:* Existing

Private Sector - Information Service Providers

Element: Kiosks, Yellow Pages, and Other Remote Traveler Support *Status:* Existing

Element: Map Update Provider *Status:* Existing

Element: Private Information Service Providers *Status:* Existing

Private Sector - Towing Companies

Element: Private Towing Companies *Status:* Existing

Element: Private Towing Companies Tow Vehicles *Status:* Existing

Public Safety - Indiana Department of Homeland Security

Element: Emergency Management Agencies *Status:* Existing

Element: Indiana Department of Homeland Security State Emergency Operations Cer *Status:* Existing

Element: Lake County Emergency Operations Center *Status:* Existing

Element: LaPorte County Emergency Operations Center *Status:* Existing

Element: Porter County Emergency Operations Center *Status:* Existing

Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division

Element: Commercial Vehicle Information Requestors *Status:* Existing

Element: Commercial Vehicle Weigh Stations *Status:* Existing

Element: Indiana State Police Commercial Vehicle Enforcement Division *Status:* Existing

Element: Indiana State Police District 13 *Status:* Existing

Element: Indiana State Police District 21 (Toll Road) *Status:* Existing

Public Safety - Lake County Sheriff

Element: Lake County Sheriff Department *Status:* Existing

Public Safety - LaPorte County Sheriff

Element: LaPorte County Sheriff Office *Status:* Existing

Public Safety - Porter County Sheriff

Element: Porter County Sheriff Department *Status:* Existing

Public Safety - US Coast Guard

Element: US Coast Guard Michigan City Station Dispatch *Status:* Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> US Coast Guard Vessels	<i>Status:</i> Existing
Transit - Amtrak	
<i>Element:</i> Amtrak Rail	<i>Status:</i> Existing
<i>Element:</i> Amtrak Rail Asset Management	<i>Status:</i> Existing
<i>Element:</i> Amtrak Railroad Wayside Equipment	<i>Status:</i> Existing
Transit - East Chicago Transit (ECT)	
<i>Element:</i> ECT Agency Management	<i>Status:</i> Existing
<i>Element:</i> ECT Drivers	<i>Status:</i> Existing
<i>Element:</i> ECT Personnel	<i>Status:</i> Existing
<i>Element:</i> ECT Transit Vehicles	<i>Status:</i> Existing
Transit - Gary Public Transportation Corporation (GPTC)	
<i>Element:</i> GPTC Agency Management	<i>Status:</i> Existing
<i>Element:</i> GPTC Drivers	<i>Status:</i> Existing
<i>Element:</i> GPTC Kiosks	<i>Status:</i> Planned
<i>Element:</i> GPTC Personnel	<i>Status:</i> Existing
<i>Element:</i> GPTC Transit Vehicles	<i>Status:</i> Existing
Transit - Michigan City Transit (MCT)	
<i>Element:</i> MCT Agency Management	<i>Status:</i> Existing
<i>Element:</i> MCT Drivers	<i>Status:</i> Existing
<i>Element:</i> MCT Personnel	<i>Status:</i> Existing
<i>Element:</i> MCT Transit Vehicles	<i>Status:</i> Planned
Transit - North Township Dial-a-Ride	
<i>Element:</i> North Township Dial-a-Ride Agency Management	<i>Status:</i> Existing
<i>Element:</i> North Township Dial-a-Ride Drivers	<i>Status:</i> Existing
<i>Element:</i> North Township Dial-a-Ride Personnel	<i>Status:</i> Existing
<i>Element:</i> North Township Dial-a-Ride Transit Vehicles	<i>Status:</i> Existing
Transit - Northern Indiana Commuter Transportation District (NICTD)	
<i>Element:</i> NICTD Agency Management	<i>Status:</i> Existing
<i>Element:</i> NICTD Asset Management	<i>Status:</i> Existing
<i>Element:</i> NICTD Drivers	<i>Status:</i> Existing
<i>Element:</i> NICTD Kiosks	<i>Status:</i> Existing
<i>Element:</i> NICTD Parking	<i>Status:</i> Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> NICTD Personnel	<i>Status:</i> Existing
<i>Element:</i> NICTD Positive Train Control	<i>Status:</i> Planned
<i>Element:</i> NICTD Rail Transit Vehicles	<i>Status:</i> Existing
<i>Element:</i> NICTD Railroad Wayside Equipment	<i>Status:</i> Existing
Transit - Opportunity Enterprises	
<i>Element:</i> Opportunity Enterprises Agency Management	<i>Status:</i> Existing
<i>Element:</i> Opportunity Enterprises Drivers	<i>Status:</i> Existing
<i>Element:</i> Opportunity Enterprises Personnel	<i>Status:</i> Existing
<i>Element:</i> Opportunity Enterprises Transit Vehicles	<i>Status:</i> Existing
Transit - Porter County Aging and Community Services (PCACS)	
<i>Element:</i> PCACS Agency Management	<i>Status:</i> Existing
<i>Element:</i> PCACS Drivers	<i>Status:</i> Existing
<i>Element:</i> PCACS Personnel	<i>Status:</i> Existing
<i>Element:</i> PCACS Transit Vehicles	<i>Status:</i> Existing
Transit - Regional Transportation Authority (RTA)	
<i>Element:</i> RTA Operations	<i>Status:</i> Existing
Transit - South Lake County Community Services (SLCCS)	
<i>Element:</i> SLCCS Agency Management	<i>Status:</i> Existing
<i>Element:</i> SLCCS Drivers	<i>Status:</i> Existing
<i>Element:</i> SLCCS Personnel	<i>Status:</i> Existing
<i>Element:</i> SLCCS Transit Vehicles	<i>Status:</i> Existing
Transit - TransPorte	
<i>Element:</i> TransPorte Agency Management	<i>Status:</i> Existing
<i>Element:</i> TransPorte Drivers	<i>Status:</i> Existing
<i>Element:</i> TransPorte Personnel	<i>Status:</i> Existing
<i>Element:</i> TransPorte Transit Vehicles	<i>Status:</i> Existing
Transit - Triangle Transit	
<i>Element:</i> Triangle Transit Agency Management	<i>Status:</i> Planned
<i>Element:</i> Triangle Transit Drivers	<i>Status:</i> Planned
<i>Element:</i> Triangle Transit Personnel	<i>Status:</i> Planned
<i>Element:</i> Triangle Transit Transit Vehicles	<i>Status:</i> Planned
Transit - Valparaiso Transit	
<i>Element:</i> Valparaiso Transit Agency Management	<i>Status:</i> Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> Valparaiso Transit Drivers	<i>Status:</i> Existing
<i>Element:</i> Valparaiso Transit Personnel	<i>Status:</i> Existing
<i>Element:</i> Valparaiso Transit Transit Vehicles	<i>Status:</i> Planned
Transportation - Gary/Chicago Airport Authority	
<i>Element:</i> Gary-Chicago Airport	<i>Status:</i> Existing
Transportation - Illiana Corridor Concessionaire	
<i>Element:</i> Illiana Corridor Asset Management	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Maintenance and Construction Center Personnel	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Maintenance and Construction Field Personnel	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Maintenance and Construction Management System	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Maintenance and Construction Vehicles	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Operations Center	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Operations Center Personnel	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Operator	<i>Status:</i> Planned
<i>Element:</i> Illiana Corridor Roadside Equipment/Toll Plazas/Gantries	<i>Status:</i> Planned
Transportation - Illinois Department of Transportation (IDOT)	
<i>Element:</i> Illinois Department of Transportation District 1 Traffic Systems Center (TS)	<i>Status:</i> Existing
<i>Element:</i> Illinois Department of Transportation Emergency Traffic Patrol (ETP)	<i>Status:</i> Existing
Transportation - Indiana Bureau of Motor Vehicles (BMV)	
<i>Element:</i> Indiana Bureau of Motor Vehicles	<i>Status:</i> Existing
Transportation - Indiana Department of Transportation (INDOT)	
<i>Element:</i> Archived Data Administrator	<i>Status:</i> Existing
<i>Element:</i> Archived Data Management System	<i>Status:</i> Existing
<i>Element:</i> Archived Data User Systems	<i>Status:</i> Existing
<i>Element:</i> Borman Hoosier Helpers	<i>Status:</i> Existing
<i>Element:</i> Borman TMC	<i>Status:</i> Existing
<i>Element:</i> Borman TMC Personnel	<i>Status:</i> Existing
<i>Element:</i> Borman TMC Roadside Equipment	<i>Status:</i> Existing
<i>Element:</i> Government Reporting Systems	<i>Status:</i> Existing
<i>Element:</i> Indiana Gateway	<i>Status:</i> Existing
<i>Element:</i> INDOT Asset Management	<i>Status:</i> Existing
<i>Element:</i> INDOT Field Equipment	<i>Status:</i> Existing

Stakeholder Inventory for Region Northwest Indiana Regional Intelligent Transportation System

<i>Element:</i> INDOT Traffic Management	<i>Status:</i> Existing
<i>Element:</i> INDOT Traffic Management Personnel	<i>Status:</i> Existing
<i>Element:</i> Northwest Indiana Archive	<i>Status:</i> Potential
Transportation - Indiana Department of Transportation (INDOT) - Northwest District	
<i>Element:</i> INDOT Arterial Multimodal Crossings	<i>Status:</i> Existing
<i>Element:</i> INDOT Equipment Repair Facilities	<i>Status:</i> Existing
<i>Element:</i> INDOT Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> INDOT Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> INDOT Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> INDOT Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> INDOT-Northwest District Arterial TMC	<i>Status:</i> Potential
<i>Element:</i> INDOT-Northwest District Arterial TMC Kiosks	<i>Status:</i> Potential
<i>Element:</i> INDOT-Northwest District Arterial TMC Personnel	<i>Status:</i> Potential
<i>Element:</i> INDOT-Northwest District Arterial TMC Roadside Equipment	<i>Status:</i> Potential
<i>Element:</i> INDOT-Northwest District Arterial TMCs Inspection Facilities.	<i>Status:</i> Potential
Transportation - Indiana Toll Road Concession Company (ITRCC)	
<i>Element:</i> Indiana Toll Road Asset Management	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Maintenance and Construction Center Personnel	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Maintenance and Construction Field Personnel	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Maintenance and Construction Management System	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Maintenance and Construction Vehicles	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Operations Center	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Operations Center Personnel	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Operator	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries	<i>Status:</i> Existing
<i>Element:</i> Indiana Toll Road Travel Plazas	<i>Status:</i> Existing
Transportation - Lake Michigan Interstate Gateway Alliance (LMIGA)	
<i>Element:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Archive	<i>Status:</i> Existing
<i>Element:</i> Lake Michigan Interstate Gateway Alliance (LMIGA) Website	<i>Status:</i> Existing



Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Academic and Research Organizations

Status: Existing

Description: Colleges, universities, and other research organizations in the NW Indiana area that interface with transportation data.

Associated Stakeholder: Other - Academic and Research Organizations

Mapped to Entity: Other Archives

Mapped to Entity: Other Data Sources

Amtrak Rail

Status: Existing

Description: The National Railroad Passenger Corporation (Amtrak) operates 3 services that board or alight passengers in NW Indiana: the Hoosier State, Cardinal, and Wolverine. The 3 Amtrak stations in NW Indiana are in Hammond, Dyer, and Michigan City. Additionally, 4 Amtrak services cross through, but do not stop in, NW Indiana: the Capitol Limited, Lake Shore Limited, Blue Water, and Pere Marquette. Furthermore, Amtrak owns and operates 17.3 miles of track between the Indiana-Michigan stateline and the Porter interlocking.

Associated Stakeholder: Transit - Amtrak

Mapped to Entity: Other Transit Management

Mapped to Entity: Rail Operations

Amtrak Rail Asset Management

Status: Existing

Description: The systems that monitor Amtrak's rail assets' performance and communicate this information to Amtrak in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as interlocking, switch, catenary and signal diagnostics as well as the human elements that support asset management.

Associated Stakeholder: Transit - Amtrak

Mapped to Entity: Asset Management

Amtrak Railroad Wayside Equipment

Status: Existing

Description: The Railroad Wayside Equipment Amtrak maintains and operates that notifies train crews of grade crossing information, conflicts with rail or other traffic, and other warnings/alerts, which then the train crews (may) pass on to the Chicago Control Center and/or Consolidated National Operations Center in Wilmington, Delaware.

Associated Stakeholder: Transit - Amtrak

Mapped to Entity: Wayside Equipment

Archived Data Administrator

Status: Existing

Description: Personnel at INDOT in charge of maintaining an archive of ITS data, authorizing user credentials to the archive, and keeping open channels of communication to the other stakeholders that provide data to the archive or may request data from the archive.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Archived Data Administrator

Archived Data Management System

Status: Existing

Description: The Archived Data Management System that INDOT administers collects, archives, manages, and distributes data generated from ITS sources for use in transportation administration, policy evaluation, safety, planning, performance monitoring, program assessment, operations, and research applications. The data received is formatted and tagged with attributes that define the data source, conditions under which it was collected, data transformations, and other information (i.e. meta data) necessary to interpret the data. The data from ITS sources can be fused with data from non-ITS sources and other archives to generate information products utilizing data from multiple functional areas, modes, and jurisdictions. The archived data products can serve as inputs to federal, state, and local data reporting systems.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Archived Data Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Archived Data User Systems

Status: Existing

Description: The systems that users (or potential users) use to access the archived ITS (and non-ITS) data administered by INDOT. Such systems include world wide web download, .XML subscription, direct requests for data, or any other electronic transmission. These systems allow the users to view and analyze both ITS and non-ITS data from the archive.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Archived Data User Systems

Basic Vehicles

Status: Existing

Description: Vehicles on the transportation system at any given time in NW Indiana that have the basic capability to interface with on-board vehicle systems, both explicitly ITS (such as GPS navigation units) or non-ITS systems (such as stereo) that allow the vehicle operator to provide input and receive feedback without implying any degree of automation.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Basic Vehicle

Borman Hoosier Helpers

Status: Existing

Description: INDOT-LaPorte District managed unit comprised of approximately 8 Hoosier Helpers with an 18-hour a day operations control room at the Borman TMC in Gary that routes the Hoosier Helpers to incidents that occur within (and in some cases just outside) the unit's jurisdiction, that spans on I-94 from the Illinois-Indiana stateline to SR-49, on I-65 from its northern terminus at US-12/US-20 to US-231, and on SR-912 between the Indiana Harbor and I-94.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency Vehicle

Mapped to Entity: Other Emergency Management

Mapped to Entity: Other Traffic Management

Mapped to Entity: Traffic Management

Borman TMC

Status: Existing

Description: Traffic Management Center located at 7701 Melton Rd (US-20) in Gary that oversees traffic operations and helps coordinate emergency response and road maintenance within (and in some cases just outside) its jurisdiction, which currently includes I-94 between the Illinois-Indiana stateline and SR-49, I-65 between its northern terminus on US-12/US-20 and US-231, and SR-912 between the Indiana Harbor and I-94.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Emergency Management

Mapped to Entity: Emissions Management

Mapped to Entity: Other Emergency Management

Mapped to Entity: Other Traffic Management

Mapped to Entity: Traffic Management

Borman TMC Personnel

Status: Existing

Description: Personnel operating the Borman Traffic Management Center, including the operations switchboard and Hoosier Helper dispatch.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Emergency System Operator

Mapped to Entity: Emissions Management Operator

Mapped to Entity: Traffic Operations Personnel

Borman TMC Roadside Equipment

Status: Existing

Description: ITS roadside equipment including CCTV cameras, Dynamic Messaging Signs, Variable Travel Time Boards, and Road Weather Information Systems among others that interface between the roadway and the Borman Traffic Management Center.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Roadway

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

City of Gary 311 Center

Status: Existing

Description: Center housed within the City of Gary that coordinates response to citizen requests for usually non-emergency city services. Citizens may initiate requests via mobile device app.

Associated Stakeholder: Other Public Sector - City of Gary

Mapped to Entity: Emergency Management

City of Gary Traffic Division

Status: Existing

Description: The City of Gary's Traffic Division within the Public Works Department is responsible for maintaining and installing most traffic signs, street lights, and parking signs on public ways throughout the city. The Traffic Division is also responsible for posting temporary parking restrictions, security barricades, and other temporary structures used for traffic and crowd control.

Associated Stakeholder: Other Public Sector - City of Gary

Mapped to Entity: Parking Management

Mapped to Entity: Roadway

City of Hammond 311 Center

Status: Existing

Description: Center housed within the City of Hammond that coordinates response to citizen requests for usually non-emergency city services. Citizens may initiate requests via mobile device app.

Associated Stakeholder: Other Public Sector - City of Hammond

Mapped to Entity: Emergency Management

Commercial Vehicle Drivers

Status: Existing

Description: Drivers of commercial vehicles through NW Indiana ranging in size from semi-trailer trucks to local pickup/delivery service cargo vans.

Associated Stakeholder: Fleet and Freight Operators - Commercial Vehicle Operators

Mapped to Entity: Commercial Vehicle Driver

Commercial Vehicle Information Requestors

Status: Existing

Description: Requestors of information about carriers, credentials, driver records, safety status, and other information about commercial vehicle operators through the CVO Information Exchange network.

Associated Stakeholder: Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division

Mapped to Entity: CVO Information Requestor

Commercial Vehicle Managers

Status: Existing

Description: The human entities that are responsible for the dispatching and managing Commercial Vehicle fleets (e.g. traditional Fleet Managers) and Freight Equipment assets. It may be many people in a large tracking organization but it can also be a single person (owner driver) in the case of single vehicle fleets. The Commercial Vehicle Manager provides instructions and coordination for Commercial Vehicles and Freight Equipment, including electronic clearance and tax filing, and receives the status of the vehicles and freight equipment in the fleet that he or she manages. He or she is expected to interface with ITS on a regular basis to enhance productivity. Many interfaces with the system are also provided through normal user interfaces.

Associated Stakeholder: Fleet and Freight Operators - Commercial Vehicle Operators

Mapped to Entity: Fleet-Freight Manager

Commercial Vehicle PrePass

Status: Existing

Description: The PrePass transponders commercial vehicle operators may qualify for that allow members of their fleet to bypass pullover weigh stations. All of the commercial vehicle weigh stations in Indiana are compatible with PrePass.

Associated Stakeholder: Fleet and Freight Operators - Commercial Vehicle Operators

Mapped to Entity: Commercial Vehicle Check

Commercial Vehicle Weigh Stations

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Commercial Vehicle Weigh Stations

Status: Existing

Description: The 3 weigh stations in NW Indiana enforced by the Indiana State Police, including 1 in each direction on I-94 near MM 29 and one on I-65 SB near MM 242. These support the use of bypass transponders and will soon support in-motion weighing. Also supports the ITS communications between the Indiana State Police Commercial Vehicle Enforcement Division, the managers and drivers of commercial vehicles, and the Indiana Department of Revenue International Fuel Tax Agreement (IFTA) on-line filing system, among others.

Associated Stakeholder: Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division

Mapped to Entity: Commercial Vehicle Check

Commercial Vehicles

Status: Existing

Description: Commercial Vehicles that operate out of, into, or through NW Indiana including their network of drivers, managers and interface of exchanging information about location, operation restrictions, safety hazards.

Associated Stakeholder: Fleet and Freight Operators - Commercial Vehicle Operators

Mapped to Entity: Commercial Vehicle

Drivers

Status: Existing

Description: The operators of any licensed vehicle on NW Indiana roadways including private, Transit, Commercial, Maintenance, and Emergency vehicles. They are represented in the Architecture as the operators of Basic Vehicles.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Driver

ECT Agency Management

Status: Existing

Description: The agency management overseeing the City of East Chicago's public transit corporation that operates fixed route bus service.

Associated Stakeholder: Transit - East Chicago Transit (ECT)

Mapped to Entity: Emergency Management

Mapped to Entity: Other Transit Management

Mapped to Entity: Transit Management

ECT Drivers

Status: Existing

Description: Drivers who operate East Chicago Transit's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - East Chicago Transit (ECT)

Mapped to Entity: Transit Vehicle Operator

ECT Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for East Chicago Transit.

Associated Stakeholder: Transit - East Chicago Transit (ECT)

Mapped to Entity: Transit Operations Personnel

ECT Transit Vehicles

Status: Existing

Description: East Chicago Transit's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and East Chicago Transit Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - East Chicago Transit (ECT)

Mapped to Entity: Transit Vehicle

Emergency Management Agencies

Status: Existing

Description: State of Indiana Department of Homeland Security Emergency Management Agencies that operate out of each county in the state including Lake, Porter, and LaPorte Counties responsible for planning, preparedness, response, and recovery from hazards and threats.

Associated Stakeholder: Public Safety - Indiana Department of Homeland Security

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency System Operator

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Emergency Medical Personnel

Status: Existing

Description: Personnel that are responsible for administering on-site emergency care to travel incident victims. This could include paramedics, ambulance drivers, or other first responders and medical professionals.

Associated Stakeholder: Activity Center - Hospitals

Mapped to Entity: Emergency Personnel

Emergency Medical Services

Status: Existing

Description: EMS in NW Indiana that either dispatch Emergency Medical Personnel directly or provide information to a dispatcher that allows that dispatcher to deploy Emergency Medical Personnel.

Associated Stakeholder: Activity Center - Hospitals

Mapped to Entity: Emergency Management

Mapped to Entity: Other Emergency Management

Environment

Status: Existing

Description: The natural surroundings in which the ITS operates. These surroundings include conditions such as snow, rain, fog, pollution, dust, temperature, humidity, solar radiation, and man-made electromagnetic (RF) effects. Environmental conditions must be monitored by the ITS Architecture so that Travelers may be informed and devise strategies to navigate around adverse environmental conditions in a timely fashion.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Environment

Event Promoters

Status: Existing

Description: Special Event Sponsors that have knowledge of events that may impact travel on roadways or other modal means. Examples of special event sponsors include sporting events, conventions, motorcades/parades, and public/political events. These promoters interface to the ITS to provide event information such as date, time, estimated duration, location, and any other information pertinent to traffic movement in the surrounding area.

Associated Stakeholder: Private Sector - Event Promoters

Mapped to Entity: Event Promoters

Financial Institutions

Status: Existing

Description: The organizations that handle all electronic fund transfer requests to enable the transfer of funds from the user of the service to the provider of the service. For example, the set of all banks that issue the credit cards/debit cards of Indiana E-ZPass holders.

Associated Stakeholder: Private Sector - Financial Institutions

Mapped to Entity: Financial Institution

Fleet and Freight Management System

Status: Existing

Description: The system of information exchange including ITS between managers of fleet and freight services, the drivers/operators, and regulatory agencies. Such information could be about cargo, safety credentials, mileage and payment authorization, etc.

Associated Stakeholder: Fleet and Freight Operators - Commercial Vehicle Operators

Mapped to Entity: Fleet and Freight Management

Freight Rail Crews

Status: Existing

Description: The crews onboard freight trains that interact with Rail Freight Operators, the Freight Rail Wayside Equipment, and the Roadway system.

Associated Stakeholder: Fleet and Freight Operators - Freight Railroads

Mapped to Entity: Driver

Freight Rail Operators

Status: Existing

Description: The train central control centers/dispatching offices and the personnel of freight rail operators that oversee the route guidance and management, communicate with train crews, and coordinate maintenance activities.

Associated Stakeholder: Fleet and Freight Operators - Freight Railroads

Mapped to Entity: Rail Operations

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Freight Rail Wayside Equipment

Status: Existing

Description: The Railroad Wayside Equipment Freight Railroads maintain and operate that notifies train crews of grade crossing information, conflicts with rail or other traffic, and other warnings/alerts, which then the train crews (may) pass on to their dispatchers or control centers.

Associated Stakeholder: Fleet and Freight Operators - Freight Railroads

Mapped to Entity: Wayside Equipment

Gary-Chicago Airport

Status: Existing

Description: General Aviation Airport owned by the City of Gary, but operated as a public-private partnership between the Gary-Chicago Airport Authority and AvPorts, has 2 runways, a passenger terminal, and a National Guard military operations staging area. It is served by Airport Rd (US-12) and provides over 1,200 parking spaces for terminal access. There are plans to expand one of the runways and enhance service.

Associated Stakeholder: Transportation - Gary/Chicago Airport Authority

Mapped to Entity: Intermodal Freight Depot

Mapped to Entity: Multimodal Transportation Service Provider

Mapped to Entity: Parking Operator

Government Reporting Systems

Status: Existing

Description: The Government Reporting Systems and their personnel that provide data from both ITS and non-ITS sources to comply with federal reporting requirements.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Government Reporting Systems

GPTC Agency Management

Status: Existing

Description: The agency management overseeing the City of Gary's public transit corporation that operates fixed route bus service and a multi-modal transfer center at the Adam Benjamin Gary Metro Center.

Associated Stakeholder: Transit - Gary Public Transportation Corporation (GPTC)

Mapped to Entity: Emergency Management

Mapped to Entity: Other Transit Management

Mapped to Entity: Transit Management

GPTC Drivers

Status: Existing

Description: Drivers who operate Gary Public Transportation Corporation's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - Gary Public Transportation Corporation (GPTC)

Mapped to Entity: Transit Vehicle Operator

GPTC Kiosks

Status: Planned

Description: Gary Public Transportation Corporation's travel information displays accessible either in print form at the Adam Benjamin Gary Metro Center and various community institutions or in web form on the GPTC website.

Associated Stakeholder: Transit - Gary Public Transportation Corporation (GPTC)

Mapped to Entity: Remote Traveler Support

GPTC Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for the Gary Public Transportation Corporation.

Associated Stakeholder: Transit - Gary Public Transportation Corporation (GPTC)

Mapped to Entity: Transit Operations Personnel

GPTC Transit Vehicles

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

GPTC Transit Vehicles

Status: Existing

Description: Gary Public Transportation Corporation's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and Gary Public Transportation Corporation Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - Gary Public Transportation Corporation (GPTC)
Mapped to Entity: Transit Vehicle

Hazmat Management and Cleanup

Status: Existing

Description: The management and coordination of hazardous material (Hazmat) cargo on the transportation system at any given time in NW Indiana as well as the Hazmat incident response and cleanup coordination.

Associated Stakeholder: Private Sector - HAZMAT Agencies
Mapped to Entity: Emergency Management
Mapped to Entity: Fleet and Freight Management

Hazmat Response Vehicles

Status: Existing

Description: The vehicles and crews working for private Hazmat agencies that inspect/verify cargo and that respond to incidents requiring Hazmat response.

Associated Stakeholder: Private Sector - HAZMAT Agencies
Mapped to Entity: CVO Inspector
Mapped to Entity: Emergency Vehicle

Illiana Corridor Asset Management

Status: Planned

Description: The systems that monitor the Illiana Corridor's performance and communicate this information to the Illiana Corridor Concessionaire in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire
Mapped to Entity: Asset Management

Illiana Corridor Maintenance and Construction Center Personnel

Status: Planned

Description: The Illiana Corridor Maintenance and Construction Center Personnel who work in the Illiana Corridor Operations Center and are in constant radio contact with field personnel.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire
Mapped to Entity: Maintenance and Construction Center Personnel

Illiana Corridor Maintenance and Construction Field Personnel

Status: Planned

Description: Personnel working in the field for Illiana Corridor Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Illiana Corridor Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire
Mapped to Entity: Maintenance and Construction Field Personnel

Illiana Corridor Maintenance and Construction Management System

Status: Planned

Description: The Maintenance and Construction Management System overseen by the Illiana Corridor Concessionaire coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all Illiana Corridor Concessionaire-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire
Mapped to Entity: Maintenance and Construction Administrative Systems

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Illiana Corridor Maintenance and Construction Management System

Status: Planned

Description: The Maintenance and Construction Management System overseen by the Illiana Corridor Concessionaire coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all Illiana Corridor Concessionaire-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Mapped to Entity: Maintenance and Construction Management

Mapped to Entity: Other MCM

Illiana Corridor Maintenance and Construction Vehicles

Status: Planned

Description: The vehicles involved in performing ITRCC's Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire

Mapped to Entity: Basic Maintenance and Construction Vehicle

Mapped to Entity: Maintenance and Construction Vehicle

Illiana Corridor Operations Center

Status: Planned

Description: The Traffic Operations Center for the planned Illiana Corridor where the operations personnel would be stationed and where traffic management operations, payment administration and processing, and environmental services would be based out of.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire

Mapped to Entity: Emergency Management

Mapped to Entity: Emissions Management

Mapped to Entity: Other Payment Administration

Mapped to Entity: Other Traffic Management

Mapped to Entity: Payment Administration

Mapped to Entity: Traffic Management

Illiana Corridor Operations Center Personnel

Status: Planned

Description: The personnel who would work at the Illiana Corridor Operations Center. Their responsibilities would include traffic operations management and monitoring, payment administration, environmental services, and some non-emergency dispatch coordination that may in fact be experienced as an emergency such as fallen tree limbs along the roadway, cargo spillage, etc.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire

Mapped to Entity: Emergency System Operator

Mapped to Entity: Emissions Management Operator

Mapped to Entity: Payment Administrator

Mapped to Entity: Traffic Operations Personnel

Illiana Corridor Operator

Status: Planned

Description: The human operator(s) at the toll plazas/gantries on the Illiana Corridor and its entrances and exits operated by the Illiana Corridor Concessionaire. These operators would perform not only toll collection duties, but also increasingly as paying tolls becomes more automated, operational maintenance of the electronic functions and communications elements involved in toll collection and security monitoring.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire

Mapped to Entity: Toll Operator

Illiana Corridor Roadside Equipment/Toll Plazas/Gantries

Status: Planned

Description: The toll plazas and gantries that the Illiana Corridor Concessionaire would operate and that would interface with the payment administration function performed at the Illiana Corridor Operations Center.

Associated Stakeholder: Transportation - Illiana Corridor Concessionaire

Mapped to Entity: Roadway

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Illiana Corridor Roadside Equipment/Toll Plazas/Gantries

Status: Planned

Description: The toll plazas and gantries that the Illiana Corridor Concessionaire would operate and that would interface with the payment administration function performed at the Illiana Corridor Operations Center.

Mapped to Entity: Roadway Payment

Illinois Department of Transportation District 1 Traffic Systems Center (TSC)

Status: Existing

Description: The TSC is responsible for managing congestion on IDOT's District 1 expressway system. The TSC is also responsible for distributing congestion information to the public, to independent service providers, and to the Illinois Gateway. The TSC also hosts server equipment for the relocated Gateway Traveler Information System. There are 10 servers at the University of Illinois in Chicago, and 10 at the TSC.

Associated Stakeholder: Transportation - Illinois Department of Transportation (IDOT)

Mapped to Entity: Other Traffic Management

Illinois Department of Transportation Emergency Traffic Patrol (ETP)

Status: Existing

Description: Emergency traffic patrol for interstates in Illionis. The core Cook County/Idot expressway system is covered 24/7/365. Over 100,000 assists are provided annually and it is full service with in-hous provided patrols, tow trucks, heavy wreckers, etc. This service has also gained new importance for keeping the bus on shoulders lane clear for transit service.

Associated Stakeholder: Transportation - Illinois Department of Transportation (IDOT)

Mapped to Entity: Emergency Management

Mapped to Entity: Other Emergency Management

Indiana Bureau of Motor Vehicles

Status: Existing

Description: Agency responsible for vehicle registrations in Indiana with many branches throughout NW Indiana. Stores fleet-mix data and processes vehicle emissions testing permits as well as information from financial institutions about vehicles.

Associated Stakeholder: Transportation - Indiana Bureau of Motor Vehicles (BMV)

Mapped to Entity: DMV

Mapped to Entity: Other CVAS

Indiana Department of Homeland Security State Emergency Operations Center

Status: Existing

Description: A statewide resource center housed at the Indiana Government Center that gathers key decisionmakers during times of emergency and threats according to the EOC plan who are able to coordinate critical transportation decisions. Coordinates those actions and decisions with Emergency Operations Centers that operate at the county level and with other key decisionmakers in the counties and municipalities.

Associated Stakeholder: Public Safety - Indiana Department of Homeland Security

Mapped to Entity: Emergency Management

Indiana Department of Revenue International Fuel Tax Agreement (IFTA) On-Line filing

Status: Existing

Description: The online International Fuel Tax Agreement filing clearinghouse required of all commercial vehicle operators with vehicle(s) weighing more than 26,000 lbs. or having 3 or more axles.

Associated Stakeholder: Other Public Sector - Indiana Department of Revenue

Mapped to Entity: Commercial Vehicle Administration

Indiana Department of Revenue Unified Carrier Registration (UCR)

Status: Existing

Description:

Associated Stakeholder: Other Public Sector - Indiana Department of Revenue

Mapped to Entity: Commercial Vehicle Administration

Indiana Dunes National Lakeshore Shuttle Agency Management

Status: Planned

Description: The agency management overseeing a planned shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access sites.

Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore

Mapped to Entity: Emergency Management

Mapped to Entity: Other Transit Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Indiana Dunes National Lakeshore Shuttle Agency Management

Status: Planned

Description: The agency management overseeing a planned shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access sites.
Mapped to Entity: Transit Management

Indiana Dunes National Lakeshore Shuttle Drivers

Status: Planned

Description: Planned as a shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access sites. The drivers of the shuttle vehicles.
Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore
Mapped to Entity: Transit Vehicle Operator

Indiana Dunes National Lakeshore Shuttle Kiosks

Status: Planned

Description: Planned as a shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access areas. The kiosks that would inform potential riders of the shuttle's services.
Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore
Mapped to Entity: Remote Traveler Support

Indiana Dunes National Lakeshore Shuttle Personnel

Status: Planned

Description: Planned as a shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access areas. The personnel who would manage the fleet, operations, and maintenance.
Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore
Mapped to Entity: Transit Operations Personnel

Indiana Dunes National Lakeshore Shuttle Transit Vehicles

Status: Planned

Description: Planned as shuttle that would carry Indiana Dunes National Lakeshore visitors between various collector points and park access areas. The vehicles that would transport passengers and be equipped with ITS.
Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore
Mapped to Entity: Transit Vehicle

Indiana Dunes National Lakeshore Visitors Center and Park Access

Status: Existing

Description: Indiana Dunes National Lakeshore Visitors Center at the Junction of SR-49 and US-20 in Porter that provides visitor information services, kiosks, a continuous-play video about the park, and about 100 parking spaces. There are several access points throughout the 16-mile long Indiana Dunes National Lakeshore with small parking lots that provide park-goers beach access and hiking trails. Most of these access points charge parking admission, and the attendants may or may not be collecting license plate numbers for visitation statistics.
Associated Stakeholder: Activity Center - Indiana Dunes National Lakeshore
Mapped to Entity: Event Promoters
Mapped to Entity: Parking Management

Indiana Emissions Management

Status: Existing

Description: The Indiana Department of Environmental Management's Emissions Management involves performing Inspections and Maintenance programs, periodic vehicle emissions testing as a prerequisite for vehicle registration/re-registration, monitoring emissions stations including on-road monitors and Road Weather Information Systems data, and playing a key role in providing data to the Interagency Consultation Group on Air Quality in order to help make Air Quality Conformity Analysis determinations.
Associated Stakeholder: Other Public Sector - Indiana Department of Environmental Management
Mapped to Entity: Emissions Management

Indiana Gateway

Status: Existing

Description: This represents the Gateway that collects traffic, transit, and traveler information from systems within Indiana and forwards this information to Gateway Central. Outputs from the Borman Traffic Management Center are key information available to the Indiana Gateway.
Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Indiana Gateway

Status: Existing

Description: This represents the Gateway that collects traffic, transit, and traveler information from systems within Indiana and forwards this information to Gateway Central. Outputs from the Borman Traffic Management Center are key information available to the Indiana Gateway.

- Mapped to Entity:* Archived Data Management
- Mapped to Entity:* Commercial Vehicle
- Mapped to Entity:* Commercial Vehicle Administration
- Mapped to Entity:* Commercial Vehicle Check
- Mapped to Entity:* Emergency Management
- Mapped to Entity:* Emergency Vehicle
- Mapped to Entity:* Emissions Management
- Mapped to Entity:* Fleet and Freight Management
- Mapped to Entity:* Information Service Provider
- Mapped to Entity:* Maintenance and Construction Management
- Mapped to Entity:* Other Archives
- Mapped to Entity:* Other CVAS
- Mapped to Entity:* Other Data Sources
- Mapped to Entity:* Other Emergency Management
- Mapped to Entity:* Other ISP
- Mapped to Entity:* Other MCM
- Mapped to Entity:* Other MCV
- Mapped to Entity:* Other Parking
- Mapped to Entity:* Other Payment Administration
- Mapped to Entity:* Other Roadway
- Mapped to Entity:* Other Traffic Management
- Mapped to Entity:* Other Transit Management
- Mapped to Entity:* Parking Management
- Mapped to Entity:* Payment Administration
- Mapped to Entity:* Personal Information Access
- Mapped to Entity:* Remote Traveler Support
- Mapped to Entity:* Roadway
- Mapped to Entity:* Roadway Payment
- Mapped to Entity:* Traffic Management
- Mapped to Entity:* Transit Management
- Mapped to Entity:* Transit Vehicle
- Mapped to Entity:* Vehicle

Indiana State Police Commercial Vehicle Enforcement Division

Status: Existing

Description: The officers who perform regulatory inspection of Commercial Vehicles in the field. Such inspection includes roadside inspection, weighing, and checking of credentials either through automated preclearance or manual methods. They often directly communicate the information to the Commercial Vehicles and their managers and drivers.

- Associated Stakeholder:* Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division
- Mapped to Entity:* Commercial Vehicle Administration
- Mapped to Entity:* CVO Inspector
- Mapped to Entity:* Emergency Management
- Mapped to Entity:* Enforcement Agency

Indiana State Police District 13

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Indiana State Police District 13

Status: Existing

Description: The Indiana State Police District 13 Lowell Post unit that performs law enforcement patrol on the Interstates and major highways through Lake, Porter, LaPorte, Newton, Jasper, Starke, and Pulaski Counties (except on the Indiana Toll Road, which is covered by District 21). ISP District 13 also houses dispatch personnel for its territory as well as the Lafayette Post territory. Cruisers have Computer Aided Dispatch (CAD) reading technology such that officers can see on their GPS-units where incidents are. 800 MHz radios also enable communications with other EMS personnel. There are also plans to upgrade from 800 MHz radios to P25.

Associated Stakeholder: Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division

Mapped to Entity: Commercial Vehicle Administration

Mapped to Entity: Emergency Management

Mapped to Entity: Enforcement Agency

Indiana State Police District 21 (Toll Road)

Status: Existing

Description: The Indiana State Police District 21 Toll Road Post unit that performs law enforcement patrol on the Indiana Toll Road (I-90 in Lake County and I-80/I-90 in Porter, LaPorte, St. Joseph, Elkhart, LaGrange, and Steuben Counties). ISP District 21 also houses dispatch personnel for its territory at its central command center near MM 96 in Elkhart County. Cruisers have Computer Aided Dispatch (CAD) reading technology such that officers can see on their GPS-units where incidents are. 800 MHz radios also enable communications with other EMS personnel. There are also plans to upgrade from 800 MHz radios to P25.

Associated Stakeholder: Public Safety - Indiana State Police - Districts 13, 21 and Commercial Vehicle Enforcement Division

Mapped to Entity: Commercial Vehicle Administration

Mapped to Entity: Emergency Management

Mapped to Entity: Enforcement Agency

Mapped to Entity: Other Emergency Management

Indiana Toll Road Asset Management

Status: Existing

Description: The systems that monitor the Indiana Toll Road's performance and communicate this information to the Indiana Toll Road Concession Company (ITRCC) in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Asset Management

Indiana Toll Road Kiosks

Status: Existing

Description: The touch-screen interactive kiosks inside the Indiana Toll Road Travel Plazas, currently at the 3 westernmost plazas with plans to expand to all the travel plazas, operated by the Northern Indiana Tourism Development Commission (NITDC). As such, the kiosks are oriented toward providing tourism opportunities for travelers with only basic traffic information such as the location of exits along the Indiana Toll Road. There are also panel kiosks at all the Indiana Toll Road Travel Plazas operated and maintained by NITDC with paper-formatted information about travel, lodging, food, recreation and tourism.

Associated Stakeholder: Other Public Sector - State Tourism Agency/Bureau

Mapped to Entity: Event Promoters

Mapped to Entity: Remote Traveler Support

Indiana Toll Road Maintenance and Construction Center Personnel

Status: Existing

Description: The ITRCC Maintenance and Construction Center Personnel who work in the Indiana Toll Operations Center and are in constant radio contact with field personnel.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Maintenance and Construction Center

Personnel

Indiana Toll Road Maintenance and Construction Field Personnel

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Indiana Toll Road Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for Indiana Toll Road Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Indiana Toll Road Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Maintenance and Construction Field Personnel

Indiana Toll Road Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by ITRCC coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all ITRCC-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Maintenance and Construction Administrative Systems

Mapped to Entity: Maintenance and Construction Management

Mapped to Entity: Other MCM

Indiana Toll Road Maintenance and Construction Vehicles

Status: Existing

Description: The vehicles involved in performing ITRCC's Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Basic Maintenance and Construction Vehicle

Mapped to Entity: Maintenance and Construction Vehicle

Indiana Toll Road Operations Center

Status: Existing

Description: The Traffic Operations Center for the Indiana Toll Road in Granger, Indiana near MM 87 where the operations personnel are stationed and where traffic management operations, payment administration and processing, and environmental services are based out of.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Emergency Management

Mapped to Entity: Emissions Management

Mapped to Entity: Other Payment Administration

Mapped to Entity: Other Traffic Management

Mapped to Entity: Payment Administration

Mapped to Entity: Traffic Management

Indiana Toll Road Operations Center Personnel

Status: Existing

Description: The personnel who work at the Indiana Toll Road Operations Center at MM 87 in Granger. Their responsibilities include traffic operations management and monitoring, payment administration, environmental services, and some non-emergency dispatch coordination that may in fact be experienced as an emergency such as fallen tree limbs along the roadway, cargo spillage, etc.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Emergency System Operator

Mapped to Entity: Emissions Management Operator

Mapped to Entity: Payment Administrator

Mapped to Entity: Traffic Operations Personnel

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Indiana Toll Road Operator

Status: Existing

Description: The human operator(s) at the toll plazas/gantries on the Indiana Toll Road and its entrances and exits operated by the Indiana Toll Road Concession Company. These operators perform not only toll collection duties, but also increasingly as paying tolls becomes more automated, operational maintenance of the electronic functions and communications elements involved in toll collection and security monitoring.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Toll Operator

Indiana Toll Road Roadside Equipment/Toll Plazas/Gantries

Status: Existing

Description: The toll plazas and gantries that the Indiana Toll Road Concession Company operates stationed in NW Indiana, but that interface with the payment administration function performed from the Indiana Toll Road Operations Center in Granger. East of Exit 23 Willowcreek Rd in Portage, the Indiana Toll Road uses the ticketing system in which motorists take a ticket (or have their E-ZPass transponders registered) at their point of entry and pay only at their point of exit. West of Exit 23, the Indiana Toll Road uses an instant pay system in which users immediately pay (or are charged from their E-ZPass transponders) the amount assigned to the toll barrier. Electronic Toll Collection on the Indiana Toll Road accepts all E-ZPass Transponders from within the E-ZPass network including Indiana and 13 other states as well as IPASS Transponders from Illinois. Tolls on the Indiana Toll Road are regulated by the terms of the Indiana Toll Road Concession and Lease Agreement (April 12, 2006) and by the discretion of the Indiana Finance Authority.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Roadway

Mapped to Entity: Roadway Payment

Indiana Toll Road Travel Plazas

Status: Existing

Description: The 4 pullover access Travel Plazas in NW Indiana along the Indiana Toll Road operated by the Indiana Toll Road Concession Company that provide travelers with traveler support services such as maps, weather information, and connecting route information. The Travel Plazas also provide travelers with essentials such as retail, food, rest and nearby lodging information. There are 2 Travel Plazas (one in each direction) near MM 22 in Portage and 2 Travel Plazas (one in each direction) near MM 56 in Rolling Prairie.

Associated Stakeholder: Transportation - Indiana Toll Road Concession Company (ITRCC)

Mapped to Entity: Map Update Provider

Mapped to Entity: Remote Traveler Support

Mapped to Entity: Weather Service

Indiana Transportation Tolling/Finance

Status: Existing

Description: The transportation tolling and financing mechanisms allowed to operate in Indiana under the discretion of the Indiana Finance Authority. These include current tolling practices such as the Indiana Toll Road Concession Lease Agreement, tolling and financing operations currently under development such as the Illiana Expressway's Availability Payments supported by tolling, as well as possible road pricing strategies to support innovative infrastructure finance. All of these tolling/finance schemes involve coordination and communication among the facility operator, drivers/users, financial institutions, and regulators. ITS elements may help streamline this coordination and communication.

Associated Stakeholder: Other Public Sector - Indiana Finance Authority

Mapped to Entity: Payment Administration

Indiana Welcome Center

Status: Existing

Description: Indiana Welcome Center in Hammond operated by the South Shore Convention and Visitors Authority has video boards of traffic alerts and travel speeds and distributes maps and traveler information.

Associated Stakeholder: Other Public Sector - State Tourism Agency/Bureau

Mapped to Entity: Remote Traveler Support

INDOT Arterial Multimodal Crossings

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

INDOT Arterial Multimodal Crossings

Status: Existing

Description: All of the non-road traffic crossings that periodically occupy road traffic right-of-way on INDOT-maintained roads, consisting mostly of rail crossings but also bicycle/pedestrian trail crossings, drawbridge crossings and plane taxi, takeoff, and landing maneuvers that conflict with road traffic. This includes all of the signaling systems, warning devices, and hazards signs that are placed at such crossings, and while sometimes owned and operated by the non-road transportation facility, interface with INDOT and travelers who use the INDOT road facilities.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Multimodal Crossings

Mapped to Entity: Roadway

INDOT Asset Management

Status: Existing

Description: The systems that monitor roadways' and other transportation assets' performance and communicate this information to INDOT in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Asset Management

INDOT Equipment Repair Facilities

Status: Existing

Description: The INDOT managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. An equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Equipment Repair Facility

INDOT Field Equipment

Status: Existing

Description: Traffic Signals, Loop Detectors, Bluetooth readers, etc.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Roadway

INDOT Maintenance and Construction Center Personnel

Status: Existing

Description: The INDOT Maintenance and Construction Personnel who work inside the Borman Traffic Management Center, the INDOT LaPorte District Center, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Maintenance and Construction Center Personnel

INDOT Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for INDOT Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with INDOT Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Maintenance and Construction Field Personnel

INDOT Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by INDOT coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all INDOT-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

INDOT Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by INDOT coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all INDOT-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Mapped to Entity: Maintenance and Construction Administrative Systems

Mapped to Entity: Maintenance and Construction Management

Mapped to Entity: Other MCM

INDOT Maintenance and Construction Vehicles

Status: Existing

Description: The vehicles involved in performing INDOT's Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Basic Maintenance and Construction Vehicle

Mapped to Entity: Maintenance and Construction Vehicle

INDOT Traffic Management

Status: Existing

Description: Department at INDOT that employs systems engineers and analysts, some of which work at the LaPorte District Office.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Archived Data Administrator

Mapped to Entity: Archived Data Management

Mapped to Entity: Other Traffic Management

Mapped to Entity: Traffic Management

INDOT Traffic Management Personnel

Status: Existing

Description: Personnel including systems engineers or analysts who report to INDOT Traffic Management.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)

Mapped to Entity: Traffic Operations Personnel

INDOT-Northwest District Arterial TMC

Status: Potential

Description: Traffic Management Center for INDOT-Northwest District Arterials covering operational performance and monitoring.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Emergency Management

Mapped to Entity: Other Traffic Management

Mapped to Entity: Traffic Management

INDOT-Northwest District Arterial TMC Kiosks

Status: Potential

Description: Kiosks located at major activity generators such as hotels, hospitals, gas stations/travel centers/convenience stores managed by the potential INDOT-Northwest District Arterial Traffic Management Center to provide travelers with trip planning, route guidance assistance and operational performance information for the INDOT Arterial roadways and major activities along those routes. Also includes web services that provide such information.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Remote Traveler Support

INDOT-Northwest District Arterial TMC Personnel

Status: Potential

Description: Personnel operating the potential INDOT-Northwest District Arterial Traffic Management Center including the operations switchboard and Hoosier Helper (or other like emergency vehicle response) dispatch.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Emergency System Operator

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

INDOT-Northwest District Arterial TMC Personnel

Status: Potential

Description: Personnel operating the potential INDOT-Northwest District Arterial Traffic Management Center including the operations switchboard and Hoosier Helper (or other like emergency vehicle response) dispatch.

Mapped to Entity: Emissions Management Operator

Mapped to Entity: Traffic Operations Personnel

INDOT-Northwest District Arterial TMC Roadside Equipment

Status: Potential

Description: ITS roadside equipment including CCTV cameras, Dynamic Messaging Signs, Variable Travel Time Boards, and Road Weather Information Systems among others that interface between the roadway and the potential INDOT-Northwest District Arterial Traffic Management Center.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Roadway

INDOT-Northwest District Arterial TMCs Inspection Facilities.

Status: Potential

Description: Commercial vehicle weigh stations or in-pavement weighing capable devices interfacing to potential Local Traffic Management Centers to provide route guidance feedback and optimal roadway operation based on the information received by the Inspection Facilities.

Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT) - Northwest District

Mapped to Entity: Commercial Vehicle Check

Intermodal Freight Shippers

Status: Existing

Description: Shippers that move freight by multiple modes including truck, rail, maritime vessels, and air. This element also includes third-party logistics providers that help transfer information, including ITS-related information, between the operating crews and the fleet-freight managers. Intermodal Freight Shippers usually conduct activities clustered around intermodal ports or hubs such as the Port of Indiana-Burns Harbor, operated by the Ports of Indiana Commission.

Associated Stakeholder: Fleet and Freight Operators - Intermodal Freight Shippers

Mapped to Entity: Intermodal Freight Shipper

Kiosks, Yellow Pages, and Other Remote Traveler Support

Status: Existing

Description: Information such as food, lodging, gas, and other attractions' location and service information available to members of the traveling public.

Associated Stakeholder: Private Sector - Information Service Providers

Mapped to Entity: Remote Traveler Support

Mapped to Entity: Travel Services Provider

Lake County Asset Management

Status: Existing

Description: The systems that monitor non-signed and unincorporated Lake County roadways' and other transportation assets' performance and communicate this information to Lake County in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Other Public Sector - Lake County

Mapped to Entity: Asset Management

Lake County E-911 Center

Status: Planned

Description: The E-911 Center about to serve emergency dispatch operations for all of Lake County, Indiana except 4 communities-Schererville, Cedar Lake, Lowell, and Dyer, who opted out to retain their current municipal-level dispatch. The E-911 Center will direct EMS or other response services to incident scenes based on the information obtained by callers, texters, and other electronically routed means of reaching the center.

Associated Stakeholder: Other Public Sector - Lake County

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency Telecommunications System

Lake County Emergency Operations Center

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Lake County Emergency Operations Center

Status: Existing

Description: An 8-station resource center housed at the Lake County Government Center complex (or alternatively at the Borman TMC) that gathers key decisionmakers during times of emergency and threats according to the EOC plan who are able to coordinate critical transportation decisions.

Associated Stakeholder: Public Safety - Indiana Department of Homeland Security
Mapped to Entity: Emergency Management

Lake County Equipment Repair Facilities

Status: Existing

Description: Lake County managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. An equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Equipment Repair Facility

Lake County Field Equipment

Status: Existing

Description: Traffic Signals and other equipment in the field operated on Lake County roads.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Roadway

Lake County Highway Department

Status: Existing

Description: The Lake County Highway Department oversees all the Lake County Field Equipment. The maintenance and construction functions of the Lake County Highway Department are not included here but rather in the Lake County Maintenance and Construction Management System element.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Traffic Management

Lake County Maintenance and Construction Center Personnel

Status: Existing

Description: The Lake County Maintenance and Construction Personnel who work inside the Lake County Highway Department, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Maintenance and Construction Center Personnel

Lake County Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for Lake County Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Lake County Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Maintenance and Construction Field Personnel

Lake County Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by Lake County coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all Lake County-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Other Public Sector - Lake County
Mapped to Entity: Maintenance and Construction Administrative Systems
Mapped to Entity: Maintenance and Construction Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Lake County Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by Lake County coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all Lake County-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Mapped to Entity: Other MCM

Lake County Maintenance and Construction Vehicles

Status: Existing

Description: The vehicles involved in performing Lake County Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Other Public Sector - Lake County

Mapped to Entity: Basic Maintenance and Construction Vehicle

Mapped to Entity: Maintenance and Construction Vehicle

Lake County Multimodal Crossings

Status: Existing

Description: All of the non-road traffic crossings that periodically occupy road traffic right-of-way on Lake County-maintained roads, consisting mostly of rail crossings but also bicycle/pedestrian trail crossings, drawbridge crossings and plane taxi, takeoff, and landing maneuvers that conflict with road traffic. This includes all of the signaling systems, warning devices, and hazards signs that are placed at such crossings, and while sometimes owned and operated by the non-road transportation facility, interface with municipalities and travelers who use the Lake County road facilities.

Associated Stakeholder: Other Public Sector - Lake County

Mapped to Entity: Multimodal Crossings

Mapped to Entity: Roadway

Lake County Sheriff Department

Status: Existing

Description: The Lake County Sheriff's Department offers police protection for the unincorporated areas in Lake County and for the Town of Winfield.

Associated Stakeholder: Public Safety - Lake County Sheriff

Mapped to Entity: Emergency Management

Mapped to Entity: Enforcement Agency

Lake Michigan Interstate Gateway Alliance (LMIGA) Archive

Status: Existing

Description: The data archive for the Lake Michigan Interstate Gateway Alliance (LMIGA) that supports the TravelMidwest.com website and is based on communication from a variety of stakeholders within the LMIGA including INDOT. Users can access the archive via providing contact information and credentials and submitting an application that if approved by LMIGA, allows the user to access the data archive and camera images.

Associated Stakeholder: Transportation - Lake Michigan Interstate Gateway Alliance (LMIGA)

Mapped to Entity: Archived Data Management

Mapped to Entity: Other Archives

Lake Michigan Interstate Gateway Alliance (LMIGA) Website

Status: Existing

Description: Website of the Lake Michigan Interstate Gateway Alliance accessed at <http://www.travelmidwest.com/lmiga/home.jsp>.

Associated Stakeholder: Transportation - Lake Michigan Interstate Gateway Alliance (LMIGA)

Mapped to Entity: Information Service Provider

LaPorte County Asset Management

Status: Existing

Description: The systems that monitor non-signed and unincorporated LaPorte County roadways' and other transportation assets' performance and communicate this information to LaPorte County in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Other Public Sector - LaPorte County

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

LaPorte County Asset Management

Status: Existing

Description: The systems that monitor non-signed and unincorporated LaPorte County roadways' and other transportation assets' performance and communicate this information to LaPorte County in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Mapped to Entity: Asset Management

LaPorte County E-911 Communications Center

Status: Existing

Description: LaPorte County's countywide 911 dispatch center that handles 911 calls placed throughout LaPorte County and directs appropriate EMS or other response services to incident scenes. This center also supports Text-to-911.

Associated Stakeholder: Other Public Sector - LaPorte County

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency Telecommunications System

LaPorte County Emergency Operations Center

Status: Existing

Description: A resource center housed in the lower level of the Michigan City City Hall that gathers key decisionmakers during times of emergency and threats according to the EOC plan and that coordinates response and disseminates information effectively.

Associated Stakeholder: Public Safety - Indiana Department of Homeland Security

Mapped to Entity: Emergency Management

LaPorte County Equipment Repair Facilities

Status: Existing

Description: LaPorte County managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. An equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Other Public Sector - LaPorte County

Mapped to Entity: Equipment Repair Facility

LaPorte County Field Equipment

Status: Existing

Description: Traffic Signals and other equipment in the field operated on LaPorte County roads.

Associated Stakeholder: Other Public Sector - LaPorte County

Mapped to Entity: Roadway

LaPorte County Highway Department

Status: Existing

Description: The LaPorte County Highway Department oversees all the LaPorte County Field Equipment. The maintenance and construction functions of the LaPorte County Highway Department are not included here but rather in the LaPorte County Maintenance and Construction Management System element.

Associated Stakeholder: Other Public Sector - LaPorte County

Mapped to Entity: Traffic Management

LaPorte County Maintenance and Construction Center Personnel

Status: Existing

Description: The LaPorte County Maintenance and Construction Personnel who work inside the LaPorte County Highway Department, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Other Public Sector - LaPorte County

Mapped to Entity: Maintenance and Construction Center Personnel

LaPorte County Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for LaPorte County Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with LaPorte County Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

LaPorte County Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for LaPorte County Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with LaPorte County Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Other Public Sector - LaPorte County
Mapped to Entity: Maintenance and Construction Field Personnel

LaPorte County Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by LaPorte County coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all LaPorte County-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Other Public Sector - LaPorte County
Mapped to Entity: Maintenance and Construction Administrative Systems
Mapped to Entity: Maintenance and Construction Management
Mapped to Entity: Other MCM

LaPorte County Maintenance and Construction Vehicles

Status: Existing

Description: The vehicles involved in performing LaPorte County Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Other Public Sector - LaPorte County
Mapped to Entity: Basic Maintenance and Construction Vehicle
Mapped to Entity: Maintenance and Construction Vehicle

LaPorte County Multimodal Crossings

Status: Existing

Description: All of the non-road traffic crossings that periodically occupy road traffic right-of-way on LaPorte County-maintained roads, consisting mostly of rail crossings but also bicycle/pedestrian trail crossings, drawbridge crossings and plane taxi, takeoff, and landing maneuvers that conflict with road traffic. This includes all of the signaling systems, warning devices, and hazards signs that are placed at such crossings, and while sometimes owned and operated by the non-road transportation facility, interface with municipalities and travelers who use the LaPorte County road facilities.

Associated Stakeholder: Other Public Sector - LaPorte County
Mapped to Entity: Multimodal Crossings
Mapped to Entity: Roadway

LaPorte County Sheriff Office

Status: Existing

Description: The LaPorte County Sheriff's Office has a Patrol Division that offers law enforcement for unincorporated LaPorte County.

Associated Stakeholder: Public Safety - LaPorte County Sheriff
Mapped to Entity: Emergency Management
Mapped to Entity: Enforcement Agency

Local Asset Management

Status: Existing

Description: The systems that monitor roadways' and other transportation assets' performance and communicate this information to the municipalities that operate them in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Asset Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Local Emergency Services

Status: Existing

Description: The Emergency Services that operate in Municipalities and Townships such as Police, Fire Stations, and EMS services. This includes the dispatchers who allocate resources to incidents requiring Emergency Services

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Emergency Management
Mapped to Entity: Emergency System Operator
Mapped to Entity: Enforcement Agency

Local Emergency Services Personnel

Status: Existing

Description: The personnel that operate Local Emergency Services and respond to incident scenes. They can include police officers, firefighters, EMS units, and drivers of EMS vehicles. They usually interact with both the road system and other Emergency Services crews.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Emergency Management
Mapped to Entity: Emergency Personnel
Mapped to Entity: Emergency System Operator
Mapped to Entity: Enforcement Agency

Local Emergency Telecommunications Systems

Status: Existing

Description: Local telecommunications systems that connect a caller to appropriate emergency dispatch either through a 9-1-1 system or 7-digit router. The information is relayed from the caller to the dispatcher via these systems. Capability for reverse 9-1-1 is also allowed with these systems to notify the public of imminent danger.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Emergency Management
Mapped to Entity: Emergency Telecommunications System

Local Emergency Vehicles

Status: Existing

Description: Local Emergency Vehicles that provide the sensory, processing, storage, and communications functions necessary to support safe and efficient incident response. These vehicles include those operated by police, fire, and emergency medical services. In addition, these vehicles may also include Hazmat, towing and recovery vehicles, and freeway service patrols.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Emergency Vehicle

Local Equipment Repair Facilities

Status: Existing

Description: The municipally managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. An equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Equipment Repair Facility

Local Field Equipment

Status: Existing

Description: Traffic Signals and other equipment in the field operated on Municipality operated roads.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Roadway

Local Maintenance and Construction Center Personnel

Status: Planned

Description: The Municipal Maintenance and Construction Personnel who work inside their municipalities' traffic management centers, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Maintenance and Construction Center Personnel

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Local Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for Municipal Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Municipal Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Maintenance and Construction Field Personnel

Local Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by Municipalities coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all municipally-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Maintenance and Construction Administrative Systems
Mapped to Entity: Maintenance and Construction Management
Mapped to Entity: Other MCM

Local Maintenance and Construction Vehicles

Status: Existing

Description: The vehicles involved in performing Municipal Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Basic Maintenance and Construction Vehicle
Mapped to Entity: Maintenance and Construction Vehicle

Local Multimodal Crossings

Status: Existing

Description: All of the non-road traffic crossings that periodically occupy road traffic right-of-way on municipally-maintained roads, consisting mostly of rail crossings but also bicycle/pedestrian trail crossings, drawbridge crossings and plane taxi, takeoff, and landing maneuvers that conflict with road traffic. This includes all of the signaling systems, warning devices, and hazards signs that are placed at such crossings, and while sometimes owned and operated by the non-road transportation facility, interface with municipalities and travelers who use the municipal road facilities.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Multimodal Crossings
Mapped to Entity: Roadway

Local Streets Departments

Status: Existing

Description: Streets Departments throughout the Municipalities and Townships that oversee Local Field Equipment. The maintenance and construction functions of Local Streets Departments are not included here but rather in the Local Maintenance and Construction Management System element.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Traffic Management

Local TMCs

Status: Potential

Description: Traffic Management Centers for the municipalities covering operational performance and monitoring for roadways managed by the municipalities.

Associated Stakeholder: Other Public Sector - Municipalities/Townships
Mapped to Entity: Emergency Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Local TMCs

Status: Potential

Description: Traffic Management Centers for the municipalities covering operational performance and monitoring for roadways managed by the municipalities.

Mapped to Entity: Other Traffic Management

Mapped to Entity: Traffic Management

Local TMCs Inspection Facilities

Status: Potential

Description: Commercial vehicle weigh stations or in-pavement weighing capable devices interfacing to potential Local Traffic Management Centers to provide route guidance feedback and optimal roadway operation based on the information received by the Inspection Facilities.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Commercial Vehicle Check

Local TMCs Kiosks

Status: Potential

Description: Kiosks located at major activity generators such as hotels, hospitals, gas stations/travel centers/convenience stores managed by the potential Local Traffic Management Centers to provide travelers with trip planning, route guidance assistance and operational performance information for the municipally operated roadways and major activities along those routes. Also includes web services that provide such information.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Remote Traveler Support

Local TMCs Personnel

Status: Potential

Description: Personnel operating the potential Local Traffic Management Centers including the operations switchboard and emergency vehicle response dispatch.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Emergency System Operator

Mapped to Entity: Emissions Management Operator

Mapped to Entity: Traffic Operations Personnel

Local TMCs Roadside Equipment

Status: Potential

Description: ITS roadside equipment including CCTV cameras, Dynamic Messaging Signs, Variable Travel Time Boards, and Road Weather Information Systems among others that interface between the roadway and the potential Local Traffic Management Centers.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Roadway

Location Data Source

Status: Existing

Description: Locational referencing instrument or method including GPS, magnetic compass, radio beacon, etc. that interfaces with various ITS systems/subsystems

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Location Data Source

Map Update Provider

Status: Existing

Description: Any map or geodatabase developer, updater, or maintainer that provides such information to the various ITS systems/subsystems in the Architecture.

Associated Stakeholder: Private Sector - Information Service Providers

Mapped to Entity: Map Update Provider

MCT Agency Management

Status: Existing

Description: The agency management overseeing the City of Michigan City's public transit corporation that operates fixed route bus service.

Associated Stakeholder: Transit - Michigan City Transit (MCT)

Mapped to Entity: Emergency Management

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

MCT Agency Management

Status: Existing

Description: The agency management overseeing the City of Michigan City's public transit corporation that operates fixed route bus service.

Mapped to Entity: Other Transit Management

Mapped to Entity: Transit Management

MCT Drivers

Status: Existing

Description: Drivers who operate Michigan City Transit's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - Michigan City Transit (MCT)

Mapped to Entity: Transit Vehicle Operator

MCT Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for Michigan City Transit.

Associated Stakeholder: Transit - Michigan City Transit (MCT)

Mapped to Entity: Transit Operations Personnel

MCT Transit Vehicles

Status: Planned

Description: Michigan City Transit's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and Michigan City Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - Michigan City Transit (MCT)

Mapped to Entity: Transit Vehicle

Media

Status: Existing

Description: All of the various area media outlets operating in NW Indiana including print, radio, television, and web/multimedia, many of which have transportation coverage including traffic information, construction information, weather information, transportation project updates, vehicle and vehicle accessory information, etc.

Associated Stakeholder: Other - Area Media Outlets

Mapped to Entity: Information Service Provider

Mapped to Entity: Media

NICTD Agency Management

Status: Existing

Description: The agency management overseeing the Northern Indiana Commuter Transportation District (NICTD) that provides passenger rail service between Chicago-Millennium Station and the South Bend Airport, including 11 stations in Lake, Porter, and LaPorte Counties, all of which to some degree have park and ride access. NICTD owns and operates its own electrified line. NICTD's Administrative Offices are located at the Dune Park Station in Chesterton and near the Carroll Avenue Station in Michigan City. A future planned Westlake Extension would add an additional spur from around Hammond south to Dyer with stations in Hammond, Munster, and Dyer.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Emergency Management

Mapped to Entity: Other Transit Management

Mapped to Entity: Parking Operator

Mapped to Entity: Rail Operations

Mapped to Entity: Transit Management

NICTD Asset Management

Status: Existing

Description: The systems that monitor NICTD's rail assets' performance and communicate this information to NICTD in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as interlocking, switch, catenary and signal diagnostics as well as the human elements that support asset management.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Asset Management

NICTD Drivers

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

NICTD Drivers

Status: Existing

Description: Drivers who operate NICTD's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Transit Vehicle Operator

NICTD Kiosks

Status: Existing

Description: NICTD's travel information displays accessible in print at the major stations, on the NICTD website, or on the NICTD mobile app.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Remote Traveler Support

NICTD Parking

Status: Existing

Description: The parking functions performed by NICTD.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Other Parking

Mapped to Entity: Parking Management

Mapped to Entity: Parking Operator

NICTD Personnel

Status: Existing

Description: The fleet management, operations, maintenance, and emergency personnel including dispatchers and signal operators for NICTD.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Emergency System Operator

Mapped to Entity: Transit Operations Personnel

NICTD Positive Train Control

Status: Planned

Description: Federally mandated train control systems intended to prevent train-to-train collisions, eliminate work zone incursions, and automatically enforce speed restrictions. This is accomplished via the use of high-tech, integrated signal systems and controls interfaced with GPS.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Rail Operations

NICTD Rail Transit Vehicles

Status: Existing

Description: The rail fixed-guideway electric-drive vehicles operated by NICTD. Their car attachments allow flexibility of train length depending on expected demand, and a study is currently underway that would determine the feasibility of passengers transporting bicycles inside the train cars.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Transit Vehicle

NICTD Railroad Wayside Equipment

Status: Existing

Description: The Railroad Wayside Equipment NICTD maintains and operates that notifies train crews of grade crossing information, conflicts with rail or other traffic, and other warnings/alerts, which then the train crews (may) pass on to the NICTD Administrative Offices in Chesterton and Michigan City.

Associated Stakeholder: Transit - Northern Indiana Commuter Transportation District (NICTD)

Mapped to Entity: Wayside Equipment

NIRPC Data Archive

Status: Existing

Description: NIRPC maintains traffic counts on select roads, operational performance data, safety data, and other transportation data as well as provides mapping services.

Associated Stakeholder: Other Public Sector - Northwestern Indiana Regional Planning Commission (NIRPC)

Mapped to Entity: Archived Data Administrator

Mapped to Entity: Archived Data Management

Mapped to Entity: Map Update Provider

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Non-Profits and Advocacy Groups Promotions

Status: Existing

Description: Non-Profits and Advocacy Groups in Indiana interfacing with or promoting transportation activities.
Associated Stakeholder: Other - Non-Profits and Advocacy Groups
Mapped to Entity: Archived Data User Systems
Mapped to Entity: Event Promoters

North Township Dial-a-Ride Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response (paratransit) transit agency that provides transportation in North Township in Lake County.
Associated Stakeholder: Transit - North Township Dial-a-Ride
Mapped to Entity: Transit Management

North Township Dial-a-Ride Drivers

Status: Existing

Description: Drivers who operate North Township Dial-a-Ride's transit vehicle fleet including all of the ITS systems onboard the vehicles.
Associated Stakeholder: Transit - North Township Dial-a-Ride
Mapped to Entity: Transit Vehicle Operator

North Township Dial-a-Ride Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for North Township Dial-a-Ride.
Associated Stakeholder: Transit - North Township Dial-a-Ride
Mapped to Entity: Transit Operations Personnel

North Township Dial-a-Ride Transit Vehicles

Status: Existing

Description: North Township Dial-a-Ride's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and North Township Dial-a-Ride Personnel. Includes all of the fare collection and safety and security systems onboard.
Associated Stakeholder: Transit - North Township Dial-a-Ride
Mapped to Entity: Transit Vehicle

Northwest Indiana Archive

Status: Potential

Description: An archive of ITS data from various ITS systems/subsystems including traffic management, construction and maintenance, environmental, emergency management, etc. Users would be able to send a request for retrieval of information to the archive's administrators.
Associated Stakeholder: Transportation - Indiana Department of Transportation (INDOT)
Mapped to Entity: Archived Data Management
Mapped to Entity: Other Archives

Opportunity Enterprises Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response transit (paratransit) service providing transportation in Porter County.
Associated Stakeholder: Transit - Opportunity Enterprises
Mapped to Entity: Transit Management

Opportunity Enterprises Drivers

Status: Existing

Description: Drivers who operate Opportunity Enterprises's transit vehicle fleet including all of the ITS systems onboard the vehicles.
Associated Stakeholder: Transit - Opportunity Enterprises
Mapped to Entity: Transit Vehicle Operator

Opportunity Enterprises Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for Opportunity Enterprises.
Associated Stakeholder: Transit - Opportunity Enterprises

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Opportunity Enterprises Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for Opportunity Enterprises.

Mapped to Entity: Transit Operations Personnel

Opportunity Enterprises Transit Vehicles

Status: Existing

Description: Opportunity Enterprises's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and Opportunity Enterprises Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - Opportunity Enterprises

Mapped to Entity: Transit Vehicle

Parking Management

Status: Existing

Description: Parking Management systems in the NW Indiana region responsible for deploying parking signage, enforcing parking violations, contacting towing services, coordinating special events parking arrangements, and administering parking payment if applicable.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Parking Management

Parking Operators

Status: Existing

Description: The person(s) in charge of operating parking facilities, usually physically present at the facilities. While Other Public Sector - Municipalities/Townships is specified as the stakeholder for this element in the Architecture, privately operated parking facilities and/or venue-operated parking facilities would also be included.

Associated Stakeholder: Other Public Sector - Municipalities/Townships

Mapped to Entity: Parking Operator

Payment Instruments

Status: Existing

Description: The payment instruments used by travelers and issued by either a financial institution directly or a transportation operator that contacts a financial institution to provide the instrument to travelers.

Associated Stakeholder: Private Sector - Financial Institutions

Mapped to Entity: Traveler Card

PCACS Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response transit (paratransit) service provided by Porter County Aging and Community Services in Porter County and dropoffs in parts of Lake County.

Associated Stakeholder: Transit - Porter County Aging and Community Services (PCACS)

Mapped to Entity: Transit Management

PCACS Drivers

Status: Existing

Description: Drivers who operate Porter County Aging and Community Services's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - Porter County Aging and Community Services (PCACS)

Mapped to Entity: Transit Vehicle Operator

PCACS Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for Porter County Aging and Community Services.

Associated Stakeholder: Transit - Porter County Aging and Community Services (PCACS)

Mapped to Entity: Transit Operations Personnel

PCACS Transit Vehicles

Status: Existing

Description: Porter County Aging and Community Services's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and Porter County Aging and Community Services Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - Porter County Aging and Community Services (PCACS)

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

PCACS Transit Vehicles

Status: Existing

Description: Porter County Aging and Community Services's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and Porter County Aging and Community Services Personnel. Includes all of the fare collection and safety and security systems onboard.

Mapped to Entity: Transit Vehicle

Pedestrians and Bicyclists

Status: Existing

Description: Pedestrians and Bicyclists traveling through, or planning to travel through, NW Indiana.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Pedestrians

Personal Travel Information Access

Status: Existing

Description: Represents any medium for accessing personalized travel information communicated between an information service provider and a traveler. The medium could be a website download, mobile app, in-vehicle GPS device, or any other electronic medium with a customizable user interface. The information service provider could be TrafficWise, Google, INRIX, Garmin, HERE, etc.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Personal Information Access

Port of Indiana at Burns Harbor

Status: Existing

Description: The Port of Indiana at Burns Harbor is an international intermodal deep-water port located actually in Portage along Lake Michigan. It is owned and operated by the Ports of Indiana Commission and features maritime, highway, and rail access on or directly abutting the property. Several warehouse and logistics facilities are clustered within the property, and local roads and shortline rail also run through the property. Port operations staff is in charge of disseminating traffic information and weight restrictions to the operators of vehicles on the highways and roads accessing the port, coordinating rail on/offloading times, and coordinating ship/barge on/offloading times.

Associated Stakeholder: Fleet and Freight Operators - Ports of Indiana Commission

Mapped to Entity: Intermodal Freight Depot

Porter County Asset Management

Status: Existing

Description: The systems that monitor non-signed and unincorporated Porter County roadways' and other transportation assets' performance and communicate this information to Porter County in order to coordinate inspection, schedule maintenance, program capital projects, and report conditions for regulatory compliance. These include both ITS systems such as in-road pavement sensors as well as the human elements that support asset management.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Asset Management

Porter County Central Communications

Status: Existing

Description: The centralized telecommunications dispatch center for Porter County (except the Towns of Porter and Chesterton) including 28 agencies served with agencies representing police, fire, and medical EMS. The center also supports Text-to-911.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency Telecommunications System

Porter County Emergency Operations Center

Status: Existing

Description: A resource center located at 1995 South State Road 2 in Valparaiso activated during times of emergency or threat as according to the EOC plan that gathers key decisionmakers and coordinates response and disseminates information.

Associated Stakeholder: Public Safety - Indiana Department of Homeland Security

Mapped to Entity: Emergency Management

Porter County Equipment Repair Facilities

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Porter County Equipment Repair Facilities Status: Existing

Description: Porter County managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. The equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Equipment Repair Facility

Porter County Field Equipment Status: Existing

Description: Traffic Signals and other equipment in the field operated on Porter County roads.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Roadway

Porter County Highway Department Status: Existing

Description: The Porter County Highway Department oversees all the Porter County Field Equipment. The maintenance and construction functions of the Porter County Highway Department are not included here but rather in the Porter County Maintenance and Construction Management System element.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Traffic Management

Porter County Maintenance and Construction Center Personnel Status: Existing

Description: The Porter County Maintenance and Construction Personnel who work inside the Porter County Highway Department, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Maintenance and Construction Center Personnel

Porter County Maintenance and Construction Field Personnel Status: Existing

Description: Personnel working in the field for Porter County Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Porter County Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Maintenance and Construction Field Personnel

Porter County Maintenance and Construction Management System Status: Existing

Description: The Maintenance and Construction Management System overseen by Porter County coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow) along all Porter County-managed transportation facilities. This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Other Public Sector - Porter County

Mapped to Entity: Maintenance and Construction Administrative Systems

Mapped to Entity: Maintenance and Construction Management

Mapped to Entity: Other MCM

Porter County Maintenance and Construction Vehicles Status: Existing

Description: Vehicles involved in performing Porter County Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Porter County Maintenance and Construction Vehicles

Status: Existing

Description: Vehicles involved in performing Porter County Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Other Public Sector - Porter County
Mapped to Entity: Basic Maintenance and Construction Vehicle
Mapped to Entity: Maintenance and Construction Vehicle

Porter County Multimodal Crossings

Status: Existing

Description: All of the non-road traffic crossings that periodically occupy road traffic right-of-way on Porter County-maintained roads, consisting mostly of rail crossings but also bicycle/pedestrian trail crossings, drawbridge crossings and plane taxi, takeoff, and landing maneuvers that conflict with road traffic. This includes all of the signaling systems, warning devices, and hazards signs that are placed at such crossings, and while sometimes owned and operated by the non-road transportation facility, interface with municipalities and travelers who use the Porter County road facilities.

Associated Stakeholder: Other Public Sector - Porter County
Mapped to Entity: Multimodal Crossings
Mapped to Entity: Roadway

Porter County Sheriff Department

Status: Existing

Description: The Porter County Sheriff's Department offers a Patrol Division for roads in the unincorporated parts of Porter County.
Associated Stakeholder: Public Safety - Porter County Sheriff
Mapped to Entity: Emergency Management
Mapped to Entity: Enforcement Agency

Potential Obstacles

Status: Existing

Description: Any object that possesses the potential of being sensed and struck and thus also possesses physical attributes. Potential Obstacles include roadside obstructions, other vehicles, pedestrians, infrastructure elements or any other element which is in a potential path of the vehicle. This element represents the physical obstacles which possess properties which enable detection using sensory functions included as part of the ITS architecture. These physical attributes are represented as a data input to the system.

Associated Stakeholder: Other - Traveling Public
Mapped to Entity: Potential Obstacles

Private Equipment and Repair Facilities

Status: Existing

Description: Privately managed facilities that configure, service, and repair vehicles and other support equipment used in roadway infrastructure construction and maintenance. The equipment repair facility receives preventative and corrective maintenance schedules and vehicle configuration requirements, performs the necessary configuration and maintenance work on the vehicles and equipment, and provides vehicle and equipment status back to the architecture.

Associated Stakeholder: Private Sector - Construction and Maintenance Contractors
Mapped to Entity: Equipment Repair Facility

Private Information Service Providers

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Private Information Service Providers

Status: Existing

Description: Private sector Information Service Providers (ISPs) collect, process, store, and disseminate transportation information to system operators and the traveling public. They can play several different roles in an integrated ITS. In one role, they provide a data collection, fusing, and repackaging function, collecting information from transportation system operators and redistributing this information to other system operators in the region and other ISPs. In this information redistribution role, the ISPs provide a bridge between the various transportation systems that produce the information and the other ISPs and their subscribers that use the information. The second role of ISPs is focused on delivery of traveler information to subscribers and the public at large. Information provided includes basic advisories, traffic and road conditions, transit schedule information, yellow pages information, ridematching information, and parking information. ISPs also provide the capability to provide specific directions to travelers by receiving origin and destination requests from travelers, generating route plans, and returning the calculated plans to the users. In addition to general route planning for travelers, ISPs also support specialized route planning for vehicle fleets. In their third role, ISPs may be dedicated to, or even embedded within, the dispatch system. Reservation services are also provided in advanced implementations. The information is provided to the traveler through Personal Travel Information Access, other travel services such as kiosks and yellow pages, and in-vehicle devices. Both basic one-way (broadcast) and personalized two-way information provision are supported. ISPs are most commonly implemented on Internet Web Sites, but they represent any traveler information distribution service including systems that broadcast digital transportation data (e.g., satellite radio networks) and systems that support distribution through Field-Vehicle Communications networks. ISPs accomplish these roles using constantly evolving technologies like the Internet (World Wide Web pages), direct broadcast communications (email alerts, pagers, satellite radio network data broadcasts, social media), communications through Field-Vehicle Communications networks, etc.

Associated Stakeholder: Private Sector - Information Service Providers
Mapped to Entity: Information Service Provider
Mapped to Entity: Other ISP
Mapped to Entity: Travel Services Provider

Private Maintenance and Construction Center Personnel

Status: Existing

Description: Private Maintenance and Construction Personnel who work inside their central offices, various fleet garages or other offices. They interact with the vehicles in the field as well as dispatch appropriate resources to the field, garages, and repair centers.

Associated Stakeholder: Private Sector - Construction and Maintenance Contractors
Mapped to Entity: Maintenance and Construction Center Personnel

Private Maintenance and Construction Field Personnel

Status: Existing

Description: Personnel working in the field for Private Maintenance and Construction. They are involved in operating the Maintenance and Construction vehicles, communicating with Private Maintenance and Construction Center Personnel, and executing the schedules dispatched to them. They may also interface with travelers by ensuring that transportation facilities remain safe throughout the duration of maintenance and construction, being visible to travelers, and coordinating traffic operations or alternate routes when such transportation facilities cannot be safely traveled.

Associated Stakeholder: Private Sector - Construction and Maintenance Contractors
Mapped to Entity: Maintenance and Construction Field Personnel

Private Maintenance and Construction Management System

Status: Existing

Description: The Maintenance and Construction Management System overseen by various Private sector Maintenance and Construction companies that coordinates and performs Maintenance and Construction activities including special hazards removal (i.e. snow). This includes an administrative services component, a center personnel component, a field personnel component, and a vehicle component.

Associated Stakeholder: Private Sector - Construction and Maintenance Contractors
Mapped to Entity: Maintenance and Construction Administrative Systems
Mapped to Entity: Maintenance and Construction Management
Mapped to Entity: Other MCM

Private Maintenance and Construction Vehicles

Status: Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Private Maintenance and Construction Vehicles

Status: Existing

Description: Vehicles involved in performing Private Maintenance and Construction Management services. These may include snowplows, bulldozers, pavers, street sweepers, etc. This includes ITS systems that help the vehicles communicate information about the environment and status to their drivers/operators, who in turn communicate the information to dispatchers.

Associated Stakeholder: Private Sector - Construction and Maintenance Contractors

Mapped to Entity: Basic Maintenance and Construction Vehicle

Mapped to Entity: Maintenance and Construction Vehicle

Private Towing Companies

Status: Existing

Description: Private towing companies that operate in NW Indiana capable of responding to, assisting personnel and vehicles involved in, and clearing incidents. They usually operate their own dispatch service but have the ability to communicate with the appropriate EMS dispatch service depending on scene location.

Associated Stakeholder: Private Sector - Towing Companies

Mapped to Entity: Emergency Management

Mapped to Entity: Emergency Personnel

Private Towing Companies Tow Vehicles

Status: Existing

Description: The towing vehicles operated by Private Towing Companies in NW Indiana that are capable of responding to incidents requiring tow service and that communicate with dispatchers and personnel at their Private Towing Companies.

Associated Stakeholder: Private Sector - Towing Companies

Mapped to Entity: Emergency Vehicle

Regional Hospitals

Status: Existing

Description: The Hospitals in NW Indiana and in nearby areas that provide treatment and care for victims of transportation accidents, coordinate information with Medical EMS Vehicles, and in some cases directly coordinate communication and specialized vehicle (i.e. helicopter) readiness with EMS dispatchers.

Associated Stakeholder: Activity Center - Hospitals

Mapped to Entity: Care Facility

Roadway Environment

Status: Existing

Description: The physical characteristics of the roadway (i.e. geometry, pavement/surface condition) and its surroundings (i.e. fog, rain, snow) that must be taken into account by the driver and/or automatic vehicle system.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Roadway Environment

RTA Operations

Status: Existing

Description: The Regional Transit Authority's (RTA) Chicagoland transit operations that should be responsive to, and synchronized to the extent possible with, travelers attempting to transfer from NW Indiana's transit services. This includes both the Indiana connection points such as Pace Bus Routes 350 and 364 in Hammond as well as in Chicago near NICTD rail stops.

Associated Stakeholder: Transit - Regional Transportation Authority (RTA)

Mapped to Entity: Transit Management

Secure Area Environment

Status: Existing

Description: Any environment relevant to transportation infrastructure that is secured by surveillance and sensor equipment. Includes transit facilities and roadway facilities as well as all of the stops, rest areas, garages, maintenance and inspection facilities.

Associated Stakeholder: Other - Traveling Public

Mapped to Entity: Secure Area Environment

SLCCS Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response transit (paratransit) service that South Lake County Community Services provides in central and southern Lake County.

Associated Stakeholder: Transit - South Lake County Community Services (SLCCS)

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

SLCCS Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response transit (paratransit) service that South Lake County Community Services provides in central and southern Lake County.
Mapped to Entity: Transit Management

SLCCS Drivers

Status: Existing

Description: Drivers who operate South Lake County Community Services's transit vehicle fleet including all of the ITS systems onboard the vehicles.
Associated Stakeholder: Transit - South Lake County Community Services (SLCCS)
Mapped to Entity: Transit Vehicle Operator

SLCCS Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for South Lake County Community Services.
Associated Stakeholder: Transit - South Lake County Community Services (SLCCS)
Mapped to Entity: Transit Operations Personnel

SLCCS Transit Vehicles

Status: Existing

Description: South Lake County Community Services's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and South Lake County Community Services Personnel. Includes all of the fare collection and safety and security systems onboard.
Associated Stakeholder: Transit - South Lake County Community Services (SLCCS)
Mapped to Entity: Transit Vehicle

Traffic

Status: Existing

Description: Represents the collective body of vehicles that travel on surface streets, arterials, highways, expressways, tollways, freeways, or any other vehicle travel surface. Traffic depicts the vehicle population from which traffic flow surveillance information is collected (average occupancy, average speed, total volume, average delay, etc.), and to which traffic control indicators are applied (intersection signals, stop signs, ramp meters, lane control barriers, variable speed limit indicators, etc.). All sensory and control elements that interface to this vehicle population are internal to ITS.
Associated Stakeholder: Other - Traveling Public
Mapped to Entity: Emissions Management
Mapped to Entity: Traffic

Transit Users

Status: Existing

Description: The users or potential users of the transit system in NW Indiana that may stand to benefit from ITS deployments.
Associated Stakeholder: Other - Traveling Public
Mapped to Entity: Traveler

TransPorte Agency Management

Status: Existing

Description: The agency management overseeing the Demand-response transit (paratransit) service that TransPorte provides in the City of LaPorte and the nearby urban fringe.
Associated Stakeholder: Transit - TransPorte
Mapped to Entity: Transit Management

TransPorte Drivers

Status: Existing

Description: Drivers who operate TransPorte's transit vehicle fleet including all of the ITS systems onboard the vehicles.
Associated Stakeholder: Transit - TransPorte
Mapped to Entity: Transit Vehicle Operator

TransPorte Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for TransPorte.
Associated Stakeholder: Transit - TransPorte

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

TransPorte Personnel	<i>Status:</i> Existing
<i>Description:</i> The fleet management, operations, and maintenance personnel including dispatchers for TransPorte.	
<i>Mapped to Entity:</i> Transit Operations Personnel	
TransPorte Transit Vehicles	<i>Status:</i> Existing
<i>Description:</i> TransPorte's fleet of buses and their operators who interface with the vehicles which communicate with Transit Users and TransPorte Personnel. Includes all of the fare collection and safety and security systems onboard.	
<i>Associated Stakeholder:</i> Transit - TransPorte	
<i>Mapped to Entity:</i> Transit Vehicle	
Travelers	<i>Status:</i> Existing
<i>Description:</i> The travelers or potential travelers in NW Indiana regardless of mode who may stand to benefit from ITS deployments.	
<i>Associated Stakeholder:</i> Other - Traveling Public	
<i>Mapped to Entity:</i> Traveler	
Triangle Transit Agency Management	<i>Status:</i> Planned
<i>Description:</i> The agency management overseeing the proposed Triangle Transit bus service between the City of Michigan City, the City of LaPorte, and the Purdue University Northwest Westville Campus.	
<i>Associated Stakeholder:</i> Transit - Triangle Transit	
<i>Mapped to Entity:</i> Emergency Management	
<i>Mapped to Entity:</i> Other Transit Management	
<i>Mapped to Entity:</i> Transit Management	
Triangle Transit Drivers	<i>Status:</i> Planned
<i>Description:</i> Drivers proposed to operate Triangle Transit's transit vehicle fleet including all of the ITS systems onboard the vehicles.	
<i>Associated Stakeholder:</i> Transit - Triangle Transit	
<i>Mapped to Entity:</i> Transit Vehicle Operator	
Triangle Transit Personnel	<i>Status:</i> Planned
<i>Description:</i> The fleet management, operations, and maintenance personnel including dispatchers proposed for Triangle Transit.	
<i>Associated Stakeholder:</i> Transit - Triangle Transit	
<i>Mapped to Entity:</i> Transit Operations Personnel	
Triangle Transit Transit Vehicles	<i>Status:</i> Planned
<i>Description:</i> Triangle Transit's proposed fleet of buses/coaches and their operators who interface with the vehicles which communicate with Transit Users and Triangle Transit Personnel. Includes all of the fare collection and safety and security systems onboard.	
<i>Associated Stakeholder:</i> Transit - Triangle Transit	
<i>Mapped to Entity:</i> Transit Vehicle	
US Coast Guard Michigan City Station Dispatch	<i>Status:</i> Existing
<i>Description:</i> Dispatch from the US Coast Guard Station in Michigan City in charge of maritime transportation patrol and rescue operations.	
<i>Associated Stakeholder:</i> Public Safety - US Coast Guard	
<i>Mapped to Entity:</i> Emergency Management	
US Coast Guard Vessels	<i>Status:</i> Existing
<i>Description:</i> Vessels that patrol maritime transportation and respond to search and rescue operations.	
<i>Associated Stakeholder:</i> Public Safety - US Coast Guard	
<i>Mapped to Entity:</i> Emergency Vehicle	
Valparaiso Transit Agency Management	<i>Status:</i> Existing

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Valparaiso Transit Agency Management

Status: Existing

Description: The agency management overseeing the City of Valparaiso's public transportation agency that provides a V-Line bus service within the City of Valparaiso to nearby areas of Porter County (i.e. the Dune Park NICTD station) as well as a ChicagoDash coach service that connects Transit Users from Valparaiso to Chicago.

Associated Stakeholder: Transit - Valparaiso Transit
Mapped to Entity: Emergency Management
Mapped to Entity: Other Transit Management
Mapped to Entity: Transit Management

Valparaiso Transit Drivers

Status: Existing

Description: Drivers who operate Valparaiso Transit's transit vehicle fleet including all of the ITS systems onboard the vehicles.

Associated Stakeholder: Transit - Valparaiso Transit
Mapped to Entity: Transit Vehicle Operator

Valparaiso Transit Personnel

Status: Existing

Description: The fleet management, operations, and maintenance personnel including dispatchers for Valparaiso Transit.

Associated Stakeholder: Transit - Valparaiso Transit
Mapped to Entity: Transit Operations Personnel

Valparaiso Transit Transit Vehicles

Status: Planned

Description: Valparaiso Transit's fleet of buses/coaches and their operators who interface with the vehicles which communicate with Transit Users and Valparaiso Transit Personnel. Includes all of the fare collection and safety and security systems onboard.

Associated Stakeholder: Transit - Valparaiso Transit
Mapped to Entity: Transit Vehicle

Vehicle Characteristics

Status: Existing

Description: The external characteristics of a vehicle (i.e. length, license plate number, magnetic properties) on the roadway that send a signature profile for ITS equipment outside the vehicle to detect.

Associated Stakeholder: Other - Traveling Public
Mapped to Entity: Vehicle Characteristics

Vehicle ITS Equipment

Status: Existing

Description: The in-vehicle sensory, processing, storage, and communications functions necessary to support efficient, safe, and convenient travel. These functions reside in general vehicles including personal automobiles, commercial vehicles, emergency vehicles, transit vehicles, or other vehicle types. Information services provide the driver with current travel conditions and the availability of services along the route and at the destination. Both one-way and two-way communications options support a spectrum of information services from low-cost broadcast services to advanced, pay for use personalized information services. Such information communication also includes payment information exchange using E-ZPass transponders and their interoperable partners such as I-Pass. Route guidance capabilities assist in formulation of an optimal route and step by step guidance along the travel route. Advanced sensors, processors, enhanced driver interfaces, and actuators complement the driver information services so that, in addition to making informed mode and route selections, the driver travels these routes in a safer and more consistent manner. Initial collision avoidance functions provide 'vigilant co-pilot' driver warning capabilities. More advanced functions assume limited control of the vehicle to maintain safe headway. Ultimately, this element supports completely automated vehicle operation through advanced communications with other vehicles in the vicinity and in coordination with supporting infrastructure subsystems. Pre-crash safety systems are deployed and emergency notification messages are issued when unavoidable collisions do occur.

Associated Stakeholder: Other - Traveling Public
Mapped to Entity: Location Data Source
Mapped to Entity: Vehicle

Weather Services

Status: Existing

Description: The National Weather Service and other weather services that provide information to ITS decisionmakers and to which Road Weather Information Systems interface with.

Associated Stakeholder: Other - National Weather Service

Element Inventory for Region Northwest Indiana Regional Intelligent Transportation System

Weather Services

Status: Existing

Description: The National Weather Service and other weather services that provide information to ITS decisionmakers and to which Road Weather Information Systems interface with.

Mapped to Entity: Weather Service
