

Operational Concepts By Stakeholder

ITS Stakeholders	Areas	RRDescription	Status
City of Cleveland	Archived Data Systems for Cleveland Regional Architecture	Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
	Emergency Management for Cleveland Regional Architecture	Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Dispatch public safety vehicles to incidents in the region.	Existing
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	GCRTA Clifton Corridor	Collect traffic data from the traffic signal system sensors.	Existing
		Monitor arterial surveillance cameras.	Existing
		Monitor the speeds of vehicles traveling through on the arterials.	Planned
		Operate traffic signal systems on local arterials and streets owned and operated by the municipality.	Existing
		Provide signal priority for transit vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
	Incident Management for Cleveland Regional Architecture	Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Provide incident information to other traffic management and public safety agencies.	Planned
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
	Maintenance and Construction for Cleveland Regional Architecture	Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide environmental data to private weather providers; regional traffic operations centers, regional emergency management agencies; regional transit agencies; and county and municipal maintenance sections.	Planned
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Parking Management for Cleveland Regional Architecture		
		Coordinate parking information between parking providers.	Planned
		Establish relationships with financial institutions for smart card payments.	Planned
		Operate, monitor and manage parking facilities. Collect current parking status information and share with local TOC and information service providers.	Planned
		Provide parking information and parking lot reservation capabilities to the regional traveler information system.	Planned
		Provide parking information to local area transit systems.	Planned
		Provide parking lot information such as parking space availability to the public via traveler information devices such as dynamic message signs.	Planned
		Provide regional smart card and transponder tag capabilities at facilities.	Planned
		Receive parking lot input from transportation operations centers (TOCs) for traffic coordination at parking facilities.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Adjust signal timing patterns in response to incidents.	Existing
		Collect traffic data from the traffic signal system sensors.	Existing
		Coordinate traffic signals at rail-intersection grade crossings.	Existing
		Manage drawbridges via control devices (e.g., gates, warning lights, dynamic message signs) at the drawbridge as well as the information systems that are used to keep travelers apprised of current and forecasted drawbridge status.	Planned
		Monitor arterial surveillance cameras.	Existing
		Monitor the speeds of vehicles traveling through on the arterials.	Planned
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Operate traffic signal systems on local arterials and streets owned and operated by the municipality.	Existing
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide maintenance information to travelers via the Buckeye Traffic website and private traveler information systems.	Existing
		Provide signal preemption for emergency vehicles.	Planned
		Provide signal priority for transit vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
		Suggest a safe driving speed for vehicles traveling on the arterials.	Planned
County Government	Incident Management for Cleveland Regional Architecture		

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		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Provide incident information to other traffic management and public safety agencies.	Planned
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
	Maintenance and Construction for Cleveland Regional Architecture		
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
	County Public Safety Agencies		
	Commercial Vehicle Operations for Cleveland Regional Architecture		
		Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.	Planned
		Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and maintenance resources with local maintenance and construction agencies.	Existing
		Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with local transit agencies.	Existing
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate incident and threat information as part of an early warning system with regional emergency management agencies; maintenance and construction agencies; transit agencies; and ISPs.	Existing
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate wide area alert notifications with regional traffic management agencies; regional emergency management agencies; regional maintenance and construction agencies; and the regional transit agencies.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Develop and coordinate county/regional emergency plans; evacuation and re-entry plans; and disaster management plans with regional emergency and transportation management agencies.	Existing

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		Dispatch public safety vehicles to incidents in the region.	Existing
		Monitor and detect potential, looming, and actual disasters including natural disasters and man-made disasters.	Existing
		Operate the county EOC.	Existing
		Provide evacuation and incident information to regional ISPs and the media for travelers in the region.	Existing
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Respond to transit incidents and transit emergencies.	Existing
Cuyahoga County	Emergency Services		
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and maintenance resources with local maintenance and construction agencies.	Existing
		Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with local transit agencies.	Existing
		Coordinate incident and threat information as part of an early warning system with regional emergency management agencies; maintenance and construction agencies; transit agencies; and ISPs.	Existing
		Coordinate wide area alert notifications with regional traffic management agencies; regional emergency management agencies; regional maintenance and construction agencies; and the regional transit agencies.	Existing
		Develop and coordinate county/regional emergency plans; evacuation and re-entry plans; and disaster management plans with regional emergency and transportation management agencies.	Existing
		Monitor and detect potential, looming, and actual disasters including natural disasters and man-made disasters.	Existing
		Operate the county EOC.	Existing
		Provide evacuation and incident information to regional ISPs and the media for travelers in the region.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
Cuyahoga County	Engineer		
	Archived Data Systems for Cleveland Regional Architecture		
		Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
	Maintenance and Construction for Cleveland Regional Architecture	Provide incident information to other traffic management and public safety agencies.	Planned
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture	Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
	Geauga County	Archived Data Systems for Cleveland Regional Architecture	
		Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
		Commercial Vehicle Operations for Cleveland Regional Architecture	
		Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.	Planned
		Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.	Planned
		Emergency Management for Cleveland Regional Architecture	
		Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Dispatch public safety vehicles to incidents in the region.	Existing
		Monitor the transportation infrastructure (e.g., traffic operations centers, overpasses, bridges) for potential threats using sensors and surveillance equipment and inform the appropriate emergency management agencies.	Planned
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
		Share incident report information with other public safety providers.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Provide incident information to other traffic management and public safety agencies.	Planned
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
		Respond to transit incidents and transit emergencies.	Existing
	Maintenance and Construction for Cleveland Regional Architecture		
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide environmental data to private weather providers; regional traffic operations centers, regional emergency management agencies; regional transit agencies; and county and municipal maintenance sections.	Planned
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Collect traffic data from the traffic signal system sensors.	Existing
		Interconnect with traffic signals operated by adjacent jurisdictions.	Planned
		Monitor and control traffic information devices of other traffic management agencies, such as traffic signal controllers, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Planned
		Monitor arterial surveillance cameras.	Existing
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide signal preemption for emergency vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information reports to other traffic management agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
Geauga County Transit	Provide traffic information, such as road network conditions, to maintenance and construction agencies.		Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
	Emergency Management for Cleveland Regional Architecture		
	Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with county EOCs.		Existing
		Provide emergency transit services for evacuations, fires, and disasters, including re-entry services.	Existing
	Transit Services for Cleveland Regional Architecture		
	Coordinate transit schedules with other local transit agencies, particularly for transit connections at transit transfer points.		Planned
		Coordinate with multimodal transportation agencies, including airports, commuter rails, and heavy rail.	Planned
	Provide a demand-responsive transit plan to users/travelers via customer information systems.		Planned
		Provide automated dispatch and scheduling for the demand-responsive or paratransit system.	Existing
	Provide operator instructions and receive schedule performance information from transit vehicles while in service.		Planned
		Provide automated transit maintenance scheduling through automated vehicle condition.	Existing
	Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.		Existing
		Track the location of transit vehicles.	Existing
	Greater Cleveland Regional Transit Authority (RTA)		
	Archived Data Systems for Cleveland Regional Architecture		
	Collect and archive transit information, such as transit fare information, passenger information, transit services, transit vehicle maintenance data, etc.		Planned

ITS Stakeholders	Areas	RRDescription	Status
Lake County		Monitor transit facilities for safety and security purposes using video surveillance and through transit user activated alarms.	Existing
		Provide automated dispatch and scheduling for the fixed-route system. Provide operator instructions and receive schedule performance information from transit vehicles while in service.	Existing
		Provide transit information to traffic operations centers.	Planned
		Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing
		Track and evaluate schedule performance on all fixed-route transit vehicles.	Existing
		Track the location of transit vehicles.	Existing
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Respond to transit incidents and transit emergencies.	Existing
	Parking Management for Cleveland Regional Architecture		
		Establish relationships with financial institutions for smart card payments.	Planned
		Provide regional smart card and transponder tag capabilities at facilities.	Planned
		Provide transit information to traffic operations centers.	Planned
	Transit Services for Cleveland Regional Architecture		
		Coordinate transit schedules with other local transit agencies, particularly for transit connections at transit transfer points.	Planned
		Coordinate transit security incidents with local police and the county sheriff.	Planned
		Coordinate with multimodal transportation agencies, including airports, commuter rails, and heavy rail.	Planned
		Coordinate with the local traffic operations centers for traffic signal priority.	Planned
		Count the number of passengers entering and exiting a transit vehicle using sensors mounted on the vehicle and communicate the collected passenger data back to the operations center.	Planned
		Monitor transit facilities for safety and security purposes using video surveillance and through transit user activated alarms.	Existing
	Provide a demand-responsive transit plan to users/travelers via customer information systems.	Planned	
	Provide automated dispatch and scheduling for the demand-responsive or paratransit system.	Existing	
	Provide operator instructions and receive schedule performance information from transit vehicles while in service.		
	Provide automated dispatch and scheduling for the fixed-route system. Provide operator instructions and receive schedule performance information from transit vehicles while in service.	Existing	
	Provide automated transit maintenance scheduling through automated vehicle condition.	Planned	
	Provide transit passenger electronic fare payment capabilities on all transit vehicles and include smart card fare coordination with other regional transit agencies.	Planned	
	Provide transit schedule and fare information to private sector traveler information systems.	Planned	
	Provide transit security on all transit vehicles through silent alarms and on-board video surveillance.	Existing	
	Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing	
	Track and evaluate schedule performance on all fixed-route transit vehicles.	Existing	
	Track the location of transit vehicles.	Existing	
	Archived Data Systems for Cleveland Regional Architecture		
	Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned	

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	Commercial Vehicle Operations for Cleveland Regional Architecture		
	Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.		Planned
	Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.		Planned
	Emergency Management for Cleveland Regional Architecture		
	Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.		Planned
	Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.		Existing
	Coordinate evacuation and re-entry plans with the county EOC.		Existing
	Coordinate evacuation and re-entry plans with the county EOC.		Planned
	Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.		Existing
	Coordinate with regional medical centers regarding the status of the care facility.		Existing
	Dispatch public safety vehicles to incidents in the region.		Existing
	Monitor the transportation infrastructure (e.g., traffic operations centers, overpasses, bridges) for potential threats using sensors and surveillance equipment and inform the appropriate emergency management agencies.		Planned
	Receive Amber Alert and other wide area alert information from the county EOC.		Existing
	Receive early warning information and threat information from the county EOC.		Existing
	Respond to potential threats to the transportation infrastructure.		Existing
	Share incident report information with other public safety providers.		Planned
	Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.		Planned
	Incident Management for Cleveland Regional Architecture		
	Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.		Planned
	Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.		Existing
	Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.		Planned
	Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.		Existing
	Coordinate operations with traffic management agencies during scheduled events.		Existing
	Dispatch public safety vehicles to incidents in the county / municipal limits.		Existing
	Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.		Existing
	Provide incident information to other traffic management and public safety agencies.		Planned
	Provide maintenance resources in response to incidents on arterials.		Planned
	Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.		Existing
	Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.		Planned
	Receive maintenance resource requests for incident response from the traffic operations center.		Existing
	Respond to transit incidents and transit emergencies.		Existing
	Maintenance and Construction for Cleveland Regional Architecture		
	Coordinate a maintenance or construction request from the local TOC.		Existing
	Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.		Planned
	Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.		Planned
	Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.		Planned
	Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.		Planned
	Perform maintenance for ITS field equipment owned by the agency.		Existing

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		Provide environmental data to private weather providers; regional traffic operations centers, regional emergency management agencies; regional transit agencies; and county and municipal maintenance sections.	Planned
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Collect traffic data from the traffic signal system sensors.	Existing
		Interconnect with traffic signals operated by adjacent jurisdictions.	Planned
		Monitor and control traffic information devices of other traffic management agencies, such as traffic signal controllers, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Planned
		Monitor arterial surveillance cameras.	Existing
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide signal preemption for emergency vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information reports to other traffic management agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
Laketran			
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with county EOCs.	Existing
		Provide emergency transit services for evacuations, fires, and disasters, including re-entry services.	Existing
	Freeway Management for Cleveland Regional Architecture		
		Collect vehicle probe information (e.g., highway travel times) from transit vehicles and provide to traffic operations centers.	Existing
		Collect vehicle probe information from transit vehicles (e.g., travel times) and provide to information service providers.	Existing
	Transit Services for Cleveland Regional Architecture		
		Coordinate transit schedules with other local transit agencies, particularly for transit connections at transit transfer points.	Planned
		Coordinate transit security incidents with local police and the county sheriff.	Planned
		Coordinate with multimodal transportation agencies, including airports, commuter rails, and heavy rail.	Planned
		Coordinate with the local traffic operations centers for traffic signal priority.	Planned
		Count the number of passengers entering and exiting a transit vehicle using sensors mounted on the vehicle and communicate the collected passenger data back to the operations center.	Planned
		Monitor transit facilities for safety and security purposes using video surveillance and through transit user activated alarms.	Existing
		Provide a demand-responsive transit plan to users/travelers via customer information systems.	Planned
		Provide automated dispatch and scheduling for the demand-responsive or paratransit system.	Existing
		Provide operator instructions and receive schedule performance information from transit vehicles while in service.	
		Provide automated dispatch and scheduling for the fixed-route system. Provide operator instructions and receive schedule performance information from transit vehicles while in service.	Existing
		Provide automated transit maintenance scheduling through automated vehicle condition.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Provide transit passenger electronic fare payment capabilities on all transit vehicles and include smart card fare coordination with other regional transit agencies.	Planned
		Provide transit schedule and fare information to private sector traveler information systems.	Planned
		Provide transit security on all transit vehicles through silent alarms and on-board video surveillance.	Existing
		Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing
		Track and evaluate schedule performance on all fixed-route transit vehicles.	Existing
		Track the location of transit vehicles.	Existing
Local Transit Operators			
	Transit Services for Cleveland Regional Architecture		
		Provide a demand-responsive transit plan to users/travelers via customer information systems.	Planned
		Provide automated dispatch and scheduling for the demand-responsive or paratransit system.	Existing
		Provide operator instructions and receive schedule performance information from transit vehicles while in service.	
		Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing
Lorain County			
	Archived Data Systems for Cleveland Regional Architecture		
		Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
	Commercial Vehicle Operations for Cleveland Regional Architecture		
		Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.	Planned
		Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Dispatch public safety vehicles to incidents in the region.	Existing
		Monitor the transportation infrastructure (e.g., traffic operations centers, overpasses, bridges) for potential threats using sensors and surveillance equipment and inform the appropriate emergency management agencies.	Planned
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Provide incident information to other traffic management and public safety agencies.	Planned
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
		Respond to transit incidents and transit emergencies.	Existing
	Maintenance and Construction for Cleveland Regional Architecture		
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide environmental data to private weather providers; regional traffic operations centers, regional emergency management agencies; regional transit agencies; and county and municipal maintenance sections.	Planned
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Collect traffic data from the traffic signal system sensors.	Existing
		Interconnect with traffic signals operated by adjacent jurisdictions.	Planned
		Monitor and control traffic information devices of other traffic management agencies, such as traffic signal controllers, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Planned
		Monitor arterial surveillance cameras.	Existing
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide signal preemption for emergency vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information reports to other traffic management agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
Lorain County Transit	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with county EOCs.	Existing
		Provide emergency transit services for evacuations, fires, and disasters, including re-entry services.	Existing
	Transit Services for Cleveland Regional Architecture		
		Coordinate transit schedules with other local transit agencies, particularly for transit connections at transit transfer points.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Coordinate transit security incidents with local police and the county sheriff.	Planned
		Coordinate with multimodal transportation agencies, including airports, commuter rails, and heavy rail.	Planned
		Monitor transit facilities for safety and security purposes using video surveillance and through transit user activated alarms.	Existing
		Provide automated dispatch and scheduling for the fixed-route system. Provide operator instructions and receive schedule performance information from transit vehicles while in service.	Existing
		Provide automated transit maintenance scheduling through automated vehicle condition.	Planned
		Provide transit schedule and fare information to private sector traveler information systems.	Planned
		Provide transit security on all transit vehicles through silent alarms and on-board video surveillance.	Existing
		Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing
		Track and evaluate schedule performance on all fixed-route transit vehicles.	Existing
		Track the location of transit vehicles.	Existing
Medina County			
	Archived Data Systems for Cleveland Regional Architecture		
		Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
	Commercial Vehicle Operations for Cleveland Regional Architecture		
		Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.	Planned
		Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Dispatch public safety vehicles to incidents in the region.	Existing
		Monitor the transportation infrastructure (e.g., traffic operations centers, overpasses, bridges) for potential threats using sensors and surveillance equipment and inform the appropriate emergency management agencies.	Planned
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Provide incident information to other traffic management and public safety agencies.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Provide maintenance resources in response to incidents on arterials.	Planned
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
		Respond to transit incidents and transit emergencies.	Existing
	Maintenance and Construction for Cleveland Regional Architecture		
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
		Provide environmental data to private weather providers; regional traffic operations centers, regional emergency management agencies; regional transit agencies; and county and municipal maintenance sections.	Planned
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Collect traffic data from the traffic signal system sensors.	Existing
		Interconnect with traffic signals operated by adjacent jurisdictions.	Planned
		Monitor and control traffic information devices of other traffic management agencies, such as traffic signal controllers, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Planned
		Monitor arterial surveillance cameras.	Existing
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide signal preemption for emergency vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information reports to other traffic management agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
Medina County Transit	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans, emergency transit schedules, and the status of emergency transit systems with county EOCs.	Existing
		Provide emergency transit services for evacuations, fires, and disasters, including re-entry services.	Existing
	Transit Services for Cleveland Regional Architecture		
		Coordinate transit schedules with other local transit agencies, particularly for transit connections at transit transfer points.	Planned
		Coordinate with multimodal transportation agencies, including airports, commuter rails, and heavy rail.	Planned
		Provide a demand-responsive transit plan to users/travelers via customer information systems.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Provide automated dispatch and scheduling for the demand-responsive or paratransit system.	Existing
		Provide operator instructions and receive schedule performance information from transit vehicles while in service.	
		Provide automated dispatch and scheduling for the fixed-route system. Provide operator instructions and receive schedule performance information from transit vehicles while in service.	Existing
		Provide automated transit maintenance scheduling through automated vehicle condition.	Planned
		Provide transit schedule and fare information to private sector traveler information systems.	Planned
		Provide transit traveler information on the agency's traveler information systems and private sector traveler information services, as well as making it available on all vehicles.	Existing
		Track and evaluate schedule performance on all fixed-route transit vehicles.	Existing
		Track the location of transit vehicles.	Existing
Municipal Public Safety Agencies			
	Commercial Vehicle Operations for Cleveland Regional Architecture		
		Coordinate incident response for HAZMAT spills with county fire/EMS and/or local fire/EMS.	Planned
		Receive spill notification for hazardous materials (HAZMAT) from private commercial fleets.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency response with county EOCs, the highway patrol, and other public safety agencies.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Coordinate with regional medical centers regarding the status of the care facility.	Existing
		Dispatch public safety vehicles to incidents in the region.	Existing
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Receive early warning information and threat information from the county EOC.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to public safety vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and the ODOT, as appropriate.	Existing
		Coordinate maintenance resources in response to incidents with county and local public works departments; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch public safety vehicles to incidents in the county / municipal limits.	Existing
		Perform incident detection and verification for all streets within its jurisdiction, and provide this information to traffic management and other public safety agencies.	Existing
		Receive emergency calls from counties and municipalities in the jurisdiction of individual communication centers.	Existing
		Respond to transit incidents and transit emergencies.	Existing
Municipal Public Works Departments			
	Archived Data Systems for Cleveland Regional Architecture		
		Collect and archive traffic information from traffic signal system sensors, including traffic volumes, speeds and occupancy.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and responses with county EOCs. Includes adjusting signal timing patterns and managing municipal roads in response to and under the direction of the county EOC.	Planned
		Coordinate evacuation and re-entry plans with the county EOC.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to roadways with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Planned
		Coordinate maintenance resources for incidents with other municipal and county maintenance and construction systems as well as ODOT maintenance and construction operations.	Planned
		Provide incident information to other traffic management and public safety agencies.	Planned

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
	Maintenance and Construction for Cleveland Regional Architecture	Provide maintenance resources in response to incidents on arterials.	Planned
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Planned
		Receive maintenance resource requests for incident response from the traffic operations center.	Existing
		Coordinate a maintenance or construction request from the local TOC.	Existing
		Coordinate with other municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Planned
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Planned
		Maintenance vehicles provide automated maintenance status information to the local maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all local maintenance and construction activities, and monitor work zone safety with local field devices and vehicles.	Planned
		Perform maintenance for ITS field equipment owned by the agency.	Existing
	Surface Street Management for Cleveland Regional Architecture	Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Planned
		Receive automatic vehicle location (AVL) information from maintenance and construction vehicles.	Planned
		Adjust signal timing patterns in response to incidents.	Existing
		Collect traffic data from the traffic signal system sensors.	Existing
		Coordinate traffic signals at rail-intersection grade crossings.	Existing
		Interconnect with traffic signals operated by adjacent jurisdictions.	Planned
		Monitor and control traffic information devices of other traffic management agencies, such as traffic signal controllers, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Planned
		Monitor arterial surveillance cameras.	Existing
		Monitor the speeds of vehicles traveling through on the arterials.	Planned
	NOACA	Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Planned
		Operate traffic signal systems on local arterials and streets owned and operated by the municipality.	Existing
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide signal priority for transit vehicles.	Planned
		Provide traffic and road network information to local transit agencies.	Planned
		Provide traffic information reports to other traffic management agencies.	Planned
		Provide traffic information to travelers via traffic information devices on roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Planned
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Planned
		Provide traffic information, such as road network conditions, to private traveler information systems and the media.	Planned
		Provide traffic information, such as road network conditions, to public safety agencies.	Planned
	Archived Data Systems for Cleveland Regional Architecture	Suggest a safe driving speed for vehicles traveling on the arterials.	Planned
		Collect and archive incident information from regional public safety providers.	Planned
		Collect and archive traffic and traveler information from the municipal and county public information systems and the ODOT.	Planned
	ODOT	Collect and archive transit information from regional transit providers.	Planned
		511 Information System	
		Collect maintenance and construction information and provide it to the media and traveling public.	Existing

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
		Collect traffic and incident information and weather information and provide it to the media and private travelers.	Existing
		Provide interactive traveler information, including trip planning services, through the Web site and regional kiosks at rest areas, visitor centers, and service plazas.	Planned
Archived	Data Systems for Cleveland Regional Architecture		
		Collect and archive traffic information from traffic sensors, including traffic volumes, speeds and occupancy.	Existing
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and emergency responses with county EOCs. Includes managing highways and state arterials in response to and under the direction of the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Dispatch roadway service patrol vehicles that monitor roads that aid motorists, offering rapid response to minor incidents (flat tire, accidents, out of gas) to minimize disruption to the traffic stream.	Existing
		Monitor its transportation infrastructure (e.g., bridges, tunnels and operations centers) for potential threats using sensors and surveillance equipment and inform the appropriate emergency management agencies.	Planned
		Provide emergency information to the public. Emergency information may include evacuation zones, times, instructions, routes, and available transit services.	Existing
Freeway	Management for Cleveland Regional Architecture		
		Collect road weather information from field sensors.	Existing
		Collect traffic condition information from traffic operations centers.	Existing
		Collect traffic data from highway system sensors.	Existing
		Collect traffic probe information (e.g., highway travel times) from field sensors.	Existing
		Manage drawbridges via control devices (e.g., gates, warning lights, dynamic message signs) at the drawbridge as well as the traveler information systems.	Existing
		Monitor and control highway traffic with traffic sensors, ramp meters and lane control signals.	Existing
		Monitor and control traffic information devices of other traffic management agencies, such as dynamic message signs, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Existing
		Monitor highway surveillance cameras.	Existing
		Monitor the speeds of vehicles traveling on the highway or state-owned arterials.	Planned
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Existing
		Perform network surveillance for incident detection and verification, and send traffic/incident information and traffic images to local and county public safety agencies and EOCs.	Existing
		Provide highway probe information to traffic operations centers.	Planned
		Provide traffic information in a coordinated effort to the state traveler information system, Buckeye Traffic website and other traffic management agencies.	Existing
		Provide traffic information reports to other traffic management agencies.	Existing
		Provide traffic information to travelers via the Buckeye Traffic website, 511 system, information service providers, and the media.	Existing
		Provide traffic information to travelers via traffic information devices on state-owned roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Existing
		Provide traffic information, such as road network conditions, information to transit agencies.	Existing
		Provide traffic information, such as road network conditions, to information service providers.	Existing
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Existing
		Provide traffic information, such as road network conditions, to public safety agencies.	Existing
		Suggest a safe driving speed for vehicles traveling on the highway or state-owned arterials.	Existing
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to highways and state-operated roads with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Existing
		Coordinate maintenance resources for incidents with other regional maintenance and construction operations, and other ODOT maintenance and construction districts.	Existing
		Provide incident information to other traffic management and public safety agencies.	Existing

ITS Stakeholders	Areas	RRDescription	Status
Maintenance and Construction for Cleveland Regional Architecture	Provide maintenance resources in response to incidents on highways and state-operated arterials.	Existing	
	Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Existing	
	Collect environmental information from ODOT field equipment, and from public and private weather service providers.	Existing	
	Coordinate with municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Existing	
	Distribute environmental data to private weather providers, regional TOCs, regional emergency management agencies, regional transit agencies, and county and municipal maintenance sections.	Existing	
	Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Existing	
	Maintenance vehicles provide automated maintenance status information to the ODOT maintenance dispatch and equipment repair facility.	Planned	
	Manage work zones for all ODOT maintenance and construction activities, and monitor work zone safety with ODOT field devices and vehicles.	Existing	
	Perform maintenance for ITS field equipment owned by the ODOT.	Existing	
	Provide environmental data to public and private weather service providers.	Existing	
	Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Existing	
	Receive automatic vehicle location (AVL) information from ODOT maintenance vehicles.	Existing	
	Parking Management for Cleveland Regional Architecture	Establish relationships with financial institutions for smart card payments.	Planned
		Provide parking information and parking lot reservation capabilities to the regional traveler information system.	Planned
		Provide parking information to local area transit systems.	Planned
		Provide parking lot and parking lot reservation information to the public.	Planned
		Provide regional smart card and transponder tag capabilities at facilities.	Planned
		Receive parking lot information and parking lot reservation capabilities from traffic operation centers.	Planned
		Receive parking lot information and parking lot reservation capabilities from traffic operations centers.	Planned
		Receive parking lot input from transportation operations centers (TOCs) for traffic coordination at parking facilities.	Planned
	Surface Street Management for Cleveland Regional Architecture	Collect traffic condition information from traffic operations centers.	Existing
		Coordinate with Rail Operations	Planned
		Manage highway rail intersections with special safety needs.	Planned
	Traveler Information for Cleveland Regional Architecture	Collect maintenance and construction information and provide it to the media and traveling public.	Existing
		Collect traffic and incident information and weather information and provide it to the media and private travelers.	Existing
		Provide interactive traveler information, including trip planning services, through the Web site and regional kiosks at rest areas, visitor centers, and service plazas.	Planned
ODOT/KYTC			
Freeway Management for Cleveland Regional Architecture	Monitor and control traffic information devices of other traffic management agencies, such as dynamic message signs, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Existing	
	Provide traffic information in a coordinated effort to the state traveler information system, Buckeye Traffic website and other traffic management agencies.	Existing	
	Provide traffic information reports to other traffic management agencies.	Existing	
Ohio Department of Public Safety			
Emergency Management for Cleveland Regional Architecture			

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
Ohio State Highway Patrol		Provide evacuation and incident information to regional ISPs and the media for travelers in the region.	Existing
		Respond to potential threats to the transportation infrastructure.	Existing
	Archived Data Systems for Cleveland Regional Architecture		
		Collect and archive crash and incident information in the state crash records database.	Existing
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency response with the county EOCs, local police, and county sheriff.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
		Coordinate regional emergency plans, incident responses, evacuation and re-entry plans, and disaster management plans with the county EOC.	Existing
		Dispatch highway patrol vehicles to incidents in the region.	Existing
		Issue Amber Alerts and other wide area alert information to other public safety providers and traffic management agencies.	Existing
		Receive Amber Alert and other wide area alert information from the county EOC.	Existing
		Share incident report information with other public safety providers.	Planned
		Suggest routes to highway patrol vehicles in response to emergencies and track public safety vehicles to the incidents.	Planned
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response with county and municipal public safety agencies; traffic management agencies; and ODOT, as appropriate.	Existing
		Coordinate maintenance resources in response to incidents with the county and local public works department; and the ODOT maintenance section.	Existing
		Coordinate operations with traffic management agencies during scheduled events.	Existing
		Dispatch highway patrol vehicles to incidents within its jurisdiction.	Existing
		Perform incident detection and verification for all state-operated roadways in the region, and provide this information to traffic management and other public safety agencies.	Existing
		Receive emergency calls from cell phones for incidents in the region.	Existing
	Ohio Turnpike Commission		
	Electronic Toll Collection for Cleveland Regional Architecture		
		Coordinate with the department of motor vehicles and county courts to collect tolls from violators.	Existing
		Operate a customer service center to process toll transactions and handle violations processing.	Existing
		Operate toll collection equipment on toll roads	Existing
		Provide customer account information using a Web site.	Existing
		Provide electronic fare payment capabilities with other regional agencies.	Planned
		Provide smart card fare capabilities and coordinate with other regional agencies.	Planned
	Emergency Management for Cleveland Regional Architecture		
		Coordinate emergency plans and emergency responses with county EOCs. Includes managing highways and state arterials in response to and under the direction of the county EOC.	Existing
		Coordinate evacuation and re-entry plans with the county EOC.	Existing
	Freeway Management for Cleveland Regional Architecture		
		Close roadways via automatic or remotely controlled gates or barriers to vehicular traffic when driving conditions are unsafe, maintenance must be performed, or access to the roadway must be prohibited.	Existing
		Collect road weather information from field sensors.	Existing
		Monitor and control highway traffic with traffic sensors, ramp meters and lane control signals.	Existing
		Monitor and control traffic information devices of other traffic management agencies, such as dynamic message signs, during certain agreed upon conditions, such as specific hours or during specific emergencies.	Existing
		Operate traffic information devices, such as dynamic message signs and highway advisory radios.	Existing
		Provide traffic information in a coordinated effort to the state traveler information system, Buckeye Traffic website and other traffic management agencies.	Existing
		Provide traffic information reports to other traffic management agencies.	Existing
		Provide traffic information to travelers via traffic information devices on state-owned roadways (e.g., DMS and HAR equipment), and through local ISPs and web sites.	Existing

ITS Stakeholders	Areas	RRDescription	Status
		Provide traffic information, such as road network conditions, information to transit agencies.	Existing
		Provide traffic information, such as road network conditions, to information service providers.	Existing
		Provide traffic information, such as road network conditions, to maintenance and construction agencies.	Existing
		Provide traffic information, such as road network conditions, to public safety agencies.	Existing
	Incident Management for Cleveland Regional Architecture		
		Coordinate incident response for incidents on or adjacent to highways and state-operated roads with public safety agencies, and EOCs in surrounding counties and municipalities, including response for scheduled events.	Existing
		Coordinate maintenance resources for incidents with other regional maintenance and construction operations, and other ODOT maintenance and construction districts.	Existing
		Provide incident information to other traffic management and public safety agencies.	Existing
		Provide maintenance resources in response to incidents on highways and state-operated arterials.	Existing
		Receive maintenance resource requests for incident response from county fire/EMS/sheriff, local police/fire/EMS, the state highway patrol, and 911 emergency call centers.	Existing
	Maintenance and Construction for Cleveland Regional Architecture		
		Collect environmental information from ODOT field equipment, and from public and private weather service providers.	Existing
		Coordinate with municipal and county maintenance and construction systems, as well as the ODOT maintenance and construction sections.	Existing
		Distribute work zone information to local transit agencies, local emergency management agencies, private rail operations, the media, and multimodal service providers.	Existing
		Maintenance vehicles provide automated maintenance status information to the ODOT maintenance dispatch and equipment repair facility.	Planned
		Manage work zones for all ODOT maintenance and construction activities, and monitor work zone safety with ODOT field devices and vehicles.	Existing
		Perform maintenance for ITS field equipment owned by the ODOT.	Existing
		Provide environmental data to public and private weather service providers.	Existing
		Provide maintenance and construction information to ODOT maintenance and construction operations; regional maintenance and construction operations; and the traveling public through portable DMS devices.	Existing
		Receive automatic vehicle location (AVL) information from ODOT maintenance vehicles.	Existing
	Private Traveler Information Providers		
	Emergency Management for Cleveland Regional Architecture		
		Provide emergency information to the public. Emergency information may include evacuation zones, times, instructions, routes, and available transit services.	Existing
	Parking Management for Cleveland Regional Architecture		
		Provide parking lot and parking lot reservation information to the public.	Planned
		Receive parking lot information and parking lot reservation capabilities from traffic operation centers.	Planned
	Surface Street Management for Cleveland Regional Architecture		
		Collect traffic condition information from traffic operations centers.	Existing
	Traveler Information for Cleveland Regional Architecture		
		Collect maintenance and construction information and provide it to the media and traveling public.	Existing
		Collect traffic and incident information and weather information and provide it to the media and private travelers.	Existing
		Provide interactive traveler information, including trip planning services, through the Web site and regional kiosks at rest areas, visitor centers, and service plazas.	Planned
	Regional Emergency and Public Safety Agencies		
	Emergency Management for Cleveland Regional Architecture		
		Dispatch public safety vehicles to incidents in the region.	Existing
		Share incident report information with other public safety providers.	Planned