

**Stakeholder Needs Survey Result Summary
September 2018**

***Point System: High (3 points); Medium (2 points); Low (1 point)**

Need Areas	Specific Needs	Average Scores					
		All Counties	Cuyahoga County	Lorain County	Medina County	Lake County	Geauga County
Information Management	Need to enhance communications and information sharing among regional agencies	2.4	2.4	2.3	3.0	1.3	1.7
	Need to share archived data between agencies	1.7	1.8	1.8	1.8	1.3	1.3
	Need to collect transportation information for use by planners	2.0	1.9	2.0	2.2	1.3	2.0
	Need to implement or enhance data storage and management capabilities	2.0	2.0	2.0	2.2	1.3	1.7
Traffic Management	Need to improve traffic congestion mitigation	2.4	2.4	2.3	2.5	2.0	2.3
	Need to provide early warning of poor visibility conditions (snow squalls, sun, fog, heavy rains, etc.)	2.1	2.3	1.9	2.0	1.3	2.0
	Need to improve traffic signal interconnect and coordination to improve mobility	2.4	2.0	2.7	2.8	2.3	2.3
	Need for traffic signal interconnect across jurisdictions	1.9	1.9	1.8	2.3	1.7	1.7
	Need to provide expanded traffic signal preemption for emergency vehicles	2.1	2.0	2.2	2.3	2.0	2.3
	Need to provide traffic signal priority for transit vehicles	1.4	1.6	1.0	1.5	1.3	1.3
	Need to know travel times on major routes	1.5	1.6	1.3	2.0	1.0	1.0
	Need to know incidents on major routes	2.1	2.3	1.7	2.0	2.0	1.3
	Need to provide advanced warning of flash flood areas	2.0	2.1	1.7	2.0	1.7	2.0
	Need to alert drivers of speeding via automated alert systems	1.6	1.7	1.3	2.0	1.3	1.7

Need Areas	Specific Needs	Average Scores					
		All Counties	Cuyahoga County	Lorain County	Medina County	Lake County	Geauga County
	Need to implement parking management systems in downtown area and for special events	1.3	1.4	1.0	1.3	1.5	1.0
	Need to implement hard shoulder running systems	1.3	1.3	1.0	1.3	1.0	1.0
	Need to implement ramp meters to manage freeway congestion and traffic flows	1.5	1.8	1.3	1.5	1.0	1.0
	Need for wrong way vehicle detection on exit ramps and automated wrong way alerts	1.9	1.7	1.6	2.0	2.0	2.0
	Need for queue warning systems on freeways	1.6	1.7	1.4	1.5	2.0	1.0
	Need to reduce delays due to incidents or construction	1.9	2.2	2.0	1.8	1.3	1.3
	Need to reduce deer/animal-related crashes	1.6	1.7	1.4	2.3	1.7	1.3
Public Transportation	Need to improve on-time performance for fixed-route transit operations	1.9	2.0	1.0	2.3		
	Need to improve efficiency of demand-responsive transit operations	2.0	2.0	1.0	2.8		
	Need to provide real-time transit arrival information at bus stops and transfer locations	1.9	2.0	1.5	2.0		
	Need to improve transit connections for travelers	2.1	1.7	1.8	2.8	2.0	
	Need to improve event, incident, and/or construction coordination with transit providers	1.9	2.0	1.2	2.7		
	Need for traffic signal priority for transit vehicles	1.6	2.0	1.0	1.5		1.0
	Need to deploy AVL on transit vehicles	1.6	2.0	1.0	2.7		
	Need to improve safety and security of transit passengers on vehicles and at transit stops / platforms / park and ride lots	1.8	2.0	1.0	2.5		

Need Areas	Specific Needs	Average Scores					
		All Counties	Cuyahoga County	Lorain County	Medina County	Lake County	Geauga County
	Need to provide real-time park-and-ride space availability information	1.6	2.0	1.0	2.3		
	Need automated maintenance system for transit fleets	1.6	3.0	1.0	2.0		
	Need signage at public transit stops (New)				3.0		
	Need to provide a transit system (New)			3.0			
	Improved fare payment (New)	3.0					
Traveler Information	Need to provide travel times / delays on freeways / turnpike to the public	1.9	2.0	1.7	1.8	1.5	1.0
	Need to provide travel times / delays on major arterials to the public	1.8	2.0	1.9	1.8	1.0	1.3
	Need to provide incident information for freeways / turnpike to the public	2.0	2.1	1.7	1.8	2.0	1.0
	Need to provide incident information for arterial roadways to the public	1.6	2.1	1.6	1.3	1.0	1.0
	Need to provide road closure / lane restriction information for freeways / turnpike to the public	2.1	2.0	2.1	2.5	1.5	1.5
	Need to provide road closure / lane restriction information for arterial roadways to the public	2.0	2.0	2.3	2.3	1.0	1.5
	Need to provide real-time information about weather conditions/location to the public	1.8	2.1	1.4	2.3	1.0	1.3
	Need to provide special event traffic information to the public	1.7	1.6	1.7	1.8	1.3	1.3
	Need to have traveler information accessible at employment sites	1.4	1.8	1.1	2.0	1.0	1.0

Need Areas	Specific Needs	Average Scores					
		All Counties	Cuyahoga County	Lorain County	Medina County	Lake County	Geauga County
Commercial Vehicle Operations and Freight Management	Need improved intermodal freight management	1.8	2.5	1.3	2.7	1.0	1.0
	Need improved electronic screening for commercial vehicle operations	1.5	1.7	1.2	2.0	1.0	1.0
	Need real-time truck parking availability for commercial vehicles	1.7	2.5	1.3	2.3		
	Need to improve hazardous cargo tracking and routing	1.9	2.3	1.5	2.3	1.0	1.3
Roadway Maintenance	Need advanced and up-to-date road closure and temporary maintenance work zone information	2.0	2.0	2.1	2.3	2.0	1.7
	Need to know locations of maintenance vehicles	1.5	1.4	1.4	1.7	1.3	1.7
	Need to provide real-time vehicle (i.e. snow plow) location information to the public	1.7	1.7	1.6	1.8	1.3	1.7
	Need to improve remote vehicle diagnostic capabilities	1.3	1.5	1.1	1.5	1.5	1.3
	Need to collect roadway surface conditions data, such as icing, from vehicle sensors	2.1	2.0	1.9	3.0	2.0	2.0
	Need improved flood monitoring on roadways susceptible to flooding	1.9	1.8	1.9	2.3	1.3	1.3
	Need improved wind/dust monitoring on major routes	1.4	1.3	1.0	1.7	1.0	2.0
	Need to improve temporary maintenance work zone safety for travelers	2.1	2.0	2.0	2.7	1.3	2.5
	Need to improve temporary maintenance work zone safety for maintenance staff	2.3	1.8	2.3	3.0	2.5	2.0
	Need to reduce delays due to temporary maintenance work zones	1.8	1.8	1.9	2.3	1.3	1.7

Need Areas	Specific Needs	Average Scores					
		All Counties	Cuyahoga County	Lorain County	Medina County	Lake County	Geauga County
Incident and Emergency Management	Need to improve alternate route traffic management, including the communication of detour information	2.3	2.1	2.2	2.3	2.3	2.0
	Need improved incident detection on major routes	2.1	2.3	2.3	2.0	1.7	2.5
	Need improved incident management and coordination	2.1	2.0	2.0	2.0	2.0	2.0
	Need to identify alternate routes for the traveling public during major incidents on freeway	2.3	2.1	2.1	2.3	2.5	2.5
	Need to improve hazardous cargo tracking and routing in region	1.7	2.0	1.4	1.8	1.0	1.7
	Need to improve emergency notification / dispatch and response times	2.1	2.1	2.0	2.3	1.3	2.0
	Need improved tracking of emergency vehicles	1.7	2.0	1.6	2.3	1.5	1.3
	Need to identify alternate/quickest routes for emergency vehicles using real-time information	2.2	2.1	2.4	2.8	2.0	2.0
	Need to improve/expand roadside assistance services (i.e. roadway service patrol)	1.5	1.7	1.7	1.5	1.0	1.7
Transportation Security	Need for security and safety monitoring in public spaces (for public safety / crime deterrent)	2.1	2.4	2.0	2.5	1.3	1.7
	Need to improve evacuation plan implementation using technology	2.0	2.1	2.0	2.2	1.3	2.0
	Need to monitor the transportation infrastructure for security purposes (for terrorism)	2.0	2.0	1.7	2.3	1.3	2.0
	Need to monitor the transportation infrastructure conditions for maintenance purposes	2.0	2.0	2.1	2.0	1.7	1.7