

H-GAC ITS Strategic Plan – Transportation Operations Needs/Priorities Survey - 2017

A printable copy of the survey can be found [here](#).

Preface: When thinking about TSMO, we should continue to “think regionally and act locally.” “Regionally” can mean area-wide, statewide, multi-state areas or even nationwide. Local agencies will know best the types of strategies that will be most successful, in terms of both solving a problem and being accepted by the traveling public. However, local agencies should recognize that every individual ITS project should strive to be compatible with a larger ITS system if the overall goals of ITS are to be achieved.

You may contact the following individuals with any questions about the survey.

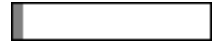
- Charles Stevens (TTI) – c-stevens@tamu.edu – 713-613-9230
- Tony Voigt (TTI) - a-voigt@tamu.edu - 713-686-2971
- Stephan Gage (H-GAC) - Stephan.Gage@h-gac.com - 713-499-6692

The survey should take approximately 20-30 minutes to complete. You can save your results and resume the survey later by clicking the "Save and Resume Later" buttons. Your email address will be used as a reference to your results.

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H-GAC ITS Survey - Continued

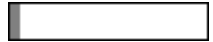


General Information

First Name:	Last Name:
<input type="text"/>	<input type="text"/>
Title:	Organization:
<input type="text"/>	<input type="text"/>
Street Address:	City:
<input type="text"/>	<input type="text"/>
State:	Zip Code:
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Phone:	Fax:
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Email:	
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* Your email address will be used to reference the survey later. Please enter a valid address.	

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H-GAC ITS Survey - Continued

Section 1. ITS Needs & Priorities – These questions are not specific to your agency, but consider a regional view when responding.

What should the region's “big-picture” goals be with respect to providing ITS Solutions. Please rank from 1 to 6, without duplication. If you choose the same rank twice, you will have to re-rank the previous item.

Goals	Regional Priority Rank
Increasing transportation system efficiency and capacity. Read More...	<input type="text" value="▼"/>
Enhancing mobility. Read More...	<input type="text" value="▼"/>
Improving safety. Read More...	<input type="text" value="▼"/>
Reducing energy consumption and environmental costs. Read More...	<input type="text" value="▼"/>
Increasing economic productivity. Read More...	<input type="text" value="▼"/>
Creating an environment for an ITS market.	<input type="text" value="▼"/>

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H-GAC ITS Survey - Continued

Top Issues: Prioritize the transportation problems potentially solved by ITS.

Please rank from 1 to 11, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

Transportation Problems	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Traffic congestion	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of mobility and accessibility	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disconnected transportation modes	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Severe budgetary constraints	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation following emergencies	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Traffic accidents, injuries, and fatalities	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air pollution	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal safety and security	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial vehicle operations/Goods movement delays	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unanticipated transportation needs /Enhanced Planning	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of transportation information/traveler information	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

The following questions seek to define priorities for implementation and deployment, as well as serve as a guide to agencies when considering what types of services would be most helpful in addressing user needs. Please numerically rank in terms of regional significance, and qualitatively assess their importance to your agency.

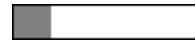
When thinking about solving traffic congestion problems using ITS...

Rank the following potential ITS solutions to increase vehicle throughput.

Please rank from 1 to 11, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Surface street control (smart signals)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Freeway control (ramp metering, ramp bypass, variable speed control, etc.)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reversible lane management capability	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corridor management – regional/multi-jurisdictional data sharing and system management	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corridor management - historical evaluation, real-time assessment, and forecast of the roadway network performance	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corridor management – railroad operations coordination	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corridor management – the use of weather data to manage traffic	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Incident management – recurring and non-recurring events	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Incident management – emergency evacuation and response	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintenance and Work Zone management – fleet vehicle tracking	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintenance and Work Zone management – activity coordination	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When thinking about solving traffic congestion problems using ITS...

Rank the following potential ITS solutions to increase passenger throughput.

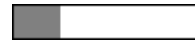
Please rank from 1 to 6, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Flexible transit	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
HOV lane management	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Integrating transit and other travel modes/feeder services	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personalized public transit information	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Real-time ride matching	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transit signal priority	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When thinking about solving traffic congestion problems using ITS...

Rank the following potential ITS solutions to address reducing travel demand.

Please rank from 1 to 4, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Providing dynamic route guidance (en-route traveler information)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing enhanced trip planning and route guidance (either pre-trip and en-route)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of congestion pricing	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encouraging telecommuting	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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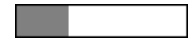
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H-GAC ITS Survey - Continued

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When thinking about solving transportation mobility and accessibility problems using ITS, rank the following potential ITS solutions and qualitatively assess their importance to your agency.

Please rank from 1 to 8, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Use of automatic vehicle location/tracking to update transit schedules and schedule adherence	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publishing multi-modal pre-trip traveler information only	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publishing multi-modal pre-trip AND en-route traveler information	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing personalized public transportation service information, including the ability to request personalized public transit	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing enabling technologies to provide transit operators with the ability to provide demand responsive transit operations	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing turn-by-turn route guidance	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing real-time transit information at transit stops and on-board vehicles	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide real-time parking facility information (could be park and rides and/or private parking facilities in activity centers)	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When thinking about using ITS to improve multi-agency or cross-jurisdictional transportation system operations, rank the following potential ITS solutions and qualitatively assess their importance to your agency.

Please rank from 1 to 5, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Disseminating multi-modal travel information pre-trip	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disseminating multi-modal travel information en-route	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creation/maintenance of a multi-agency regional transportation information clearinghouse to allow data sharing	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing two way communications between multiple transit and traffic agencies to improve service coordination	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing capability for the sharing of traffic information and control among traffic management centers to support regional traffic management strategies	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When considering how ITS can help us prioritize funding and/or create new funding sources, rank the following potential ITS-based solutions.

Please rank from 1 to 9, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
The use of ITS data for enhanced transportation planning, including more transit-based data	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fee-for-use to provide data to 3rd parties to package personalized travel data	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fee-for-use yellow pages and/or reservation type services (information about lodging, restaurants, service stations, etc.)	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of more electronic toll/payment capability for transportation services (tolls, parking, transit, permits, etc.)	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Efficiently manage lighting, minimizing electricity costs	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced maintenance strategies – fleet management (location, etc.)	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced maintenance strategies – fleet vehicle maintenance	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced maintenance strategies – roadway maintenance and construction, scheduling based on minimizing cost to travelers and optimizing revenue capability	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced maintenance strategies – infrastructure monitoring monitors the condition of pavement, bridges, tunnels, associated hardware, and other transportation-related infrastructure to minimize expense in inspection and traffic control	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When thinking about how ITS can help us in reducing accidents, injuries and fatalities, rank the following potential ITS solutions.

Please rank from 1 to 12, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Advanced commercial vehicle fleet and freight administration (monitoring hazmat cargo/security and routing)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced railroad grade crossing systems	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Detection of adverse weather conditions and response management capability	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mayday support (support for in-vehicle emergency assistance requests)	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of automated warning systems – support for in-vehicle signing. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of automated warning systems – support for speed monitoring and either regulatory speed limit adjustment or warning speeds based on environmental conditions to suggest safe driving speeds	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of automated warning systems – support for work zone detection. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Integrate incident management capabilities with commercial vehicle tracking to assure effective treatment of HAZMAT material and incidents	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Intersection collision avoidance systems. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On-board commercial vehicle safety monitoring and reporting. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Partially and fully automated vehicle control systems. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle condition monitoring. Read More...	<input type="text" value="▼"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

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When thinking about how ITS can help us in reducing air pollution, rank the following potential ITS solutions.

Please rank from 1 to 10, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Advanced traffic management – surface street control	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced traffic management – freeway control	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced traffic management – regional traffic management	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced traffic management – speed monitoring	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced traffic management – work zone management	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multi-modal pre-trip traveler information	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enhanced trip planning, including dynamic routing	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Real-time ride matching	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remote emissions sensing	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Congestion pricing	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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H-GAC ITS Survey - Continued

When thinking about how ITS can help us in addressing safety and security concerns, rank the following potential ITS solutions.

Please rank from 1 to 9, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Transit surveillance and sensor monitoring - physical security of transit passengers and transit vehicle operators	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asset tracking – commercial vehicles. Read More...	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biometric identification. Read More...	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electronic seals and GPS tracking of commercial vehicles	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Threat detection – detect and classify security sensitive HAZMAT	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Threat detection - detect when an unauthorized commercial vehicle driver attempts to drive their vehicle based on stored driver identity information	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Threat detection - monitoring of transportation infrastructure. Read More...	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mayday services	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Route guidance and turn-by-turn direction support	<input type="text" value="▼"/>	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Contact Charles Stevens (TTI) at 713-613-9230 or c-stevens@tamu.edu with questions about the survey.

H-GAC ITS Survey - Continued

Percent Complete

0%



100%

Section 2. Agency Information

How would you classify your agency/organization?

Federal State County Local Transit MPO Consultant Special Interest
Other:

Does your agency currently operate any ITS system(s)? If yes, briefly describe.

Do you feel that management in your agency is knowledgeable about how ITS can serve your customers?

Yes No

Do you feel that management in your agency is willing to invest in further ITS deployment to better serve your customers?

Yes No

Does your agency have internal processes to compare traditional and ITS projects against each other?

Yes No

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H-GAC ITS Survey - Continued

What are the barriers to further implementation of ITS within your agency?

Please rank from 1 to 11, without duplication, in terms of your agency's importance. If you choose the same rank twice, you will have to re-rank the previous item.

Barriers	Your Agency Rank
Inter organization coordination	<input type="text" value="▼"/>
Staff skill sets	<input type="text" value="▼"/>
Project financing	<input type="text" value="▼"/>
Freedom of Information	<input type="text" value="▼"/>
State laws	<input type="text" value="▼"/>
Federal Acts	<input type="text" value="▼"/>
Liability	<input type="text" value="▼"/>
Intellectual property	<input type="text" value="▼"/>
Lack of standards	<input type="text" value="▼"/>
Interagency coordination/cooperation	<input type="text" value="▼"/>
Other	<input type="text" value="▼"/>

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H-GAC ITS Survey - Continued

Percent Complete

0%



100%

How would you characterize the current level of ITS training and awareness of your agency staff and leadership?

- ITS is not currently a priority of the agency, so very few of our staff know much about ITS.
- Our organization might be a little adverse to change, so new technology is a barrier to ITS deployment.
- Our agency currently has a little ITS or plans to implement some level of ITS, but staff knowledge and/or training is a barrier.
- We have some level of staff with experience, but could use training opportunities.
- We have adequate levels of staff with experience and self-train within the organization.
- Other (Indicate Below)

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H-GAC ITS Survey - Continued

Percent Complete

0%



100%

What level of capability does your agency have in deploying ITS systems and/or solutions?

- We don't have sufficient knowledge to either contract for design or maintain and operate ITS systems
- We have the ability to specify and contract for design and construction, and the ability to contract for maintenance and operations of ITS systems (full outsourcing)
- We have the ability to specify and contract for design and construction, but not the ability to maintain and operate ITS systems internally (we cannot or will not outsource)
- We have the ability to spec and contract for design and construction, as well as the ability to maintain and operate in-house.
- We have the ability to design and construct with internal forces, as well as the ability to maintain and operate in-house.
- Other (Indicate Below)

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H-GAC ITS Survey - Continued

How does your agency feel about the need to apply systems engineering to ITS projects?

- Very Important - No doubt, we need systems engineering.
- Important - We would find value but are worried about cost.
- Neutral - We will do it because we have to.
- Not Important - Costs too much. Perceived return on investment is low.

Additional Comments

If HGAC could provide system engineering templates for high-risk project requiring a Systems Engineering Form (HGAC-TSMO-SER) and Systems Engineering Management Plan, which of the following potential ITS solutions rank highest for your organization.

Please rank from 1 to 7, without duplication, in terms of regional importance. If you choose the same rank twice, you will have to re-rank the previous item. In addition, please qualify how each question pertains to your specific agency in importance.

ITS Solutions	Regional Priority Rank	Your Agency Specific Importance				
		Not Important	Somewhat Important	Important	Moderately Important	Very Important
Multi-agency coordinated signal system w/central software	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New CCTV system – standalone, with new or future data sharing into TranStar.	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New DMS installation – municipal/county standalone w/control sharing w/TranStar	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Travel Time Monitoring system w/data sharing w/TranStar	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Some type of Transit-related system; maybe bus priority on signals or multi-agency fare collection	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Central traffic signal control and monitoring (combining central control w/CCTV monitoring for TIM)	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other <div style="border: 1px solid gray; height: 20px; width: 300px;"></div>	▼	<input type="radio"/> <input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How does your agency feel about the need to evaluate before/after benefits of ITS projects?

- Very Important - No doubt, we need to evaluate our ITS projects to be able to justify future investment.
- Important - We would find value in evaluation but are worried about cost.

- Neutral - We will do it because may be required to evaluate.
- Not Important - Costs too much, we would rather deploy equipment just operate it.

Additional Comments

If you have any additional comments or questions, please add them here.

You may also contact the following individuals with any further questions about the survey.

- Charles Stevens (TTI) – c-stevens@tamu.edu – 713-613-9230
- Tony Voigt (TTI) - a-voigt@tamu.edu - 713-686-2971
- Stephan Gage (H-GAC) - Stephan.Gage@h-gac.com - 713-499-6692

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[Submit Survey Answers](#)

Contact Charles Stevens (TTI) at 713-613-9230 or c-stevens@tamu.edu with questions about the survey.