

AGENDA



Recommendation for Council Action

Austin City Council	Item ID	59494	Agenda Number	65.
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Meeting Date:	6/23/2016	Department:	Transportation
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Subject

Approve a resolution supporting the City's application for the Advanced Transportation and Congestion Management Technologies Deployment Initiative sponsored by the U.S. Department of Transportation.

Amount and Source of Funding

Fiscal Note

A Fiscal note is not required.

Purchasing Language:	
Prior Council Action:	
For More Information:	Robert Spillar, 512-974-2488; Jim Dale, 512-974-4070; Gilda Powers 512-974-7092
Council Committee, Boards and Commission Action:	
MBE / WBE:	
Related Items:	

Additional Backup Information

The U.S. Department of Transportation issued a notice of a funding opportunity for the Advanced Transportation and Congestion Management Technologies Deployment funding initiative. The goal of this initiative is to help fund development of model deployment sites for large scale installation and operation of advanced transportation technologies to improve safety, efficiency, system performance and infrastructure return on investment. The U.S. DOT will award between 5 and 10 grants of up to \$12 million each and requires a 50% match from the applicant. Grant applications are due on June 24, 2016.

The City of Austin has many opportunities to implement and expand technological improvements that will meet the goals of this grant by expanding the implementation of the following initiatives:

- using advanced technology to reduce congestion, thereby streamlining traffic and reducing emissions,
- monitoring and responding to traffic conditions, improving vehicular and pedestrian safety, and
- increasing use of connected vehicle technology.

Recognizing that the transportation system is an interconnected network, the City of Austin is working with our regional partners towards operating the area's transportation infrastructure as One System – resulting in a more seamless and integrated operation that benefits those who live, work and visit Austin. This grant provides an opportunity to further the One System approach through the following proposed projects:

1. Deploy Integrated Corridor Management on I-35: results in the integrated operation of I-35 (US 290 to SH 71), frontage roads, and parallel arterials by TxDOT, City, and Capital Metro during incidents and recurring congestion.
2. Design Regional Operations Management Center: delivers a design and funding requirements for a center where transportation operators (City of Austin, TxDOT, Capital Metro, CTRMA, neighboring cities, etc.) can be colocated (or connected through high speed communications) with 9-1-1 dispatchers, first responders, and other Smart Cities services. This center would be the region's second fully operational center and would be interconnected with the existing Combined Transportation and Emergency Communications Center (CTECC) currently at capacity in terms of space. This redundancy creates a backup if one center goes down. The design process will also consider housing an Emergency Operations Center (EOC) in the new center to work in concert with existing facilities.
3. Deploy Regional Data Rodeo: supports the City's open data initiative by focusing on three overarching implementation objectives—data archiving, data analysis and data accessibility. It creates real-time access to data that leads to improving multimodal transportation operations by sharing data with agencies, the private sector, and the public; creating ladders of opportunity for our citizen scientists and entrepreneurial community who can develop value-added applications for travelers and others; performing analyses that provide information for policy making processes, improve the safety and operations of the transportation system, and facilitate discovery of relationships between data sets that improve mobility and safety.
4. Deploy Next Generation Emergency Vehicle Preemption: provides emergency vehicle preemption at more than 900 signals connected to the City's Advanced Transportation Management System (ATMS) with the goal of reducing first responder response times and improving their safety as they travel through signalized intersections. This project leverages the City's earlier investments in automated vehicle location technology on first responder vehicles, emergency services' computer aided dispatch system, and transportation's ATMS.