

City of Minneapolis
Request for Committee Action

To: Ways & Means
Date: 1/25/2016
From: Public Works Department
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Presented by: Jon Wertjes, Director of Traffic & Parking Services
File type: Action
Subcategory: Grant

Subject:

Application for US Department of Transportation's (USDOT) Smart City Challenge

Description:

Approving application submittal for the Smart City Challenge grant in partnership with other agencies and organizations.

Accepting funds and executing appropriate agreement with McKnight Foundation for consultant assistance to facilitate and develop concepts and application materials.

Previous Actions:

None

Ward/Address:

Not Applicable

Background/Analysis:

The USDOT issued the Smart City Challenge as an opportunity for mid-sized cities to address growing transportation challenges through innovative technologies and partnerships. We understand the USDOT will select 5 finalists and award \$100,000 to each to further develop their proposal followed by a single award of the proposed \$40 million grant.

The USDOT anticipated schedule is as follows:

Estimated Date	Action
February 4, 2016	Applications Due
March 2016	Selected Smart City Challenge Finalists Announced
March 2016	Awards Issued to Smart City Challenge Finalists
March 2016	The USDOT Solicits Applications from Finalists for Smart City Challenge Implementation
May 2016	Applications Due from Finalists
June 2016	Selected Smart City Challenge Implementation Awardee Announced

The USDOT is looking for bold, data-driven ideas to improve lives by making transportation safer, easier and more reliable. Another key element of the application is the role that public-private partnerships have in addressing transportation challenges.

The Smart City Challenge objectives and vision elements are:

- Implement innovative technology and partnerships to:
 - Improve safety
 - Enhance mobility
 - Address climate change

- Incorporate the 12 specific USDOT Vision Elements reflecting existing priorities:
 - Urban Automation
 - Connected Vehicles
 - Intelligent, Sensor-Based Infrastructure
 - Urban Analytics
 - User-Focused Mobility Services and Choices
 - Urban Delivery and Logistics
 - Strategic Business Models and Partnering Opportunities
 - Smart Grid, Roadway Electrification, and Electric Vehicles
 - Connected, Involved Citizens
 - Architecture and Standards
 - Low-Cost, Efficient, Secure, and Resilient Information and Communications Technology
 - Smart Land Use

Partnerships with numerous public, private, and other organizations will be vital to address transportation challenges that are in our future. The Minneapolis / Saint Paul area has a proven track record of interagency and public-private collaboration, cooperation, and innovation. Several meetings have been held to begin coordination among the below stakeholders.

- City of Minneapolis
- City of Saint Paul
- Metro Transit / Metropolitan Council
- Minnesota Department of Transportation
- University of Minnesota
- Nice Ride Minnesota
- Transit for Livable Communities
- McKnight Foundation
- Shared Use Mobility Center

Additional engagement with future public and private stakeholders will be needed to create the best Smart City Challenge proposal.

The above stakeholder group proposes a demonstration area along the Green Line corridor which connects the Minneapolis, Saint Paul, the University of Minnesota, and the State of Minnesota Capitol area, as well as many event venues, freight facilities and diverse residential and business communities within the corridor. (Attached map)

The Public Works Department has been meeting with stakeholder group to develop a concept and complete the application for the Smart City Challenge grant. Public Works has hired AECOM to provide consultant assistance for this application. The McKnight Foundation has offered to assist financially with the consultant assistance for the application and stakeholder outreach efforts. The application will highlight the innovative ideas and partnerships to present our best

solution to fit the growing transportation needs focused on the Green Line corridor between Minneapolis and Saint Paul.

Attachments:

1. Green Line Corridor map
2. Presentation

Financial Review:

No additional appropriation required, amount included in current budget.

Future budget impact anticipated.