

GENERAL

Ordinance Fact Sheet

160211

Ordinance Number

Brief Title	Approval Deadline	Reason
Declaring the City's intent to accept and use DOT Smart Cities grant monies		To accept and appropriate funds

Details	Positions/Recommendations														
Reason for Legislation Declaring the City's intent to accept and appropriate funds, provided by The U.S. Department of Transportation (DOT) for Beyond Traffic: Smart Cities Challenge Grant to demonstrate and evaluate a holistic, integrated approach to improving surface transportation performance within the City and integrating this approach with other Smart City domains such as public safety, public services and energy.	<table border="1"> <tr> <td>Sponsor</td><td>City Manager</td></tr> <tr> <td>Programs, Departments, or Groups Affected</td><td>Chief Innovation Officer</td></tr> <tr> <td>Applicants / Proponents</td><td> Applicant Chief Innovation Officer City Department City Manager Other </td></tr> <tr> <td>Opponents</td><td> Groups or Individuals None known Basis of opposition </td></tr> <tr> <td>Staff Recommend</td><td> <input checked="" type="checkbox"/> For <input type="checkbox"/> Against Reason Against </td></tr> <tr> <td>Board or Commission Recommend</td><td> By <input type="checkbox"/> For <input type="checkbox"/> Against <input type="checkbox"/> No action taken <input type="checkbox"/> For, with revisions or conditions (see details column for conditions) </td></tr> <tr> <td>Council Committee Actions</td><td> <input type="checkbox"/> Do pass <input type="checkbox"/> Do pass (as amended) <input type="checkbox"/> Committee Sub. <input type="checkbox"/> Without Recommendation <input type="checkbox"/> Hold <input type="checkbox"/> Do not pass </td></tr> </table>	Sponsor	City Manager	Programs, Departments, or Groups Affected	Chief Innovation Officer	Applicants / Proponents	Applicant Chief Innovation Officer City Department City Manager Other	Opponents	Groups or Individuals None known Basis of opposition	Staff Recommend	<input checked="" type="checkbox"/> For <input type="checkbox"/> Against Reason Against	Board or Commission Recommend	By <input type="checkbox"/> For <input type="checkbox"/> Against <input type="checkbox"/> No action taken <input type="checkbox"/> For, with revisions or conditions (see details column for conditions)	Council Committee Actions	<input type="checkbox"/> Do pass <input type="checkbox"/> Do pass (as amended) <input type="checkbox"/> Committee Sub. <input type="checkbox"/> Without Recommendation <input type="checkbox"/> Hold <input type="checkbox"/> Do not pass
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Discussion The USDOT identified characteristics of a Smart City along with twelve vision elements – identified below. A successful Smart City Challenge would align with these characteristics and vision elements. The ideal Smart City would have the following attributes: Population between approximately 200,000 and 850,000 people within city limits as of the 2010 Census; A dense urban population typical for a mid-sized American city; Represents a significant portion (more than 15%) of the overall population of its urbanized area using 2010 Census data; An existing public transportation system; An environment that is conducive to demonstrating proposed strategies; Continuity of committed leadership and capacity to carry out the demonstration throughout the period of performance; A commitment to integrating with the sharing economy; and A clear commitment to making open, machine-readable data accessible, discoverable and usable by the public to fuel entrepreneurship and innovation. Under Phase 1 the USDOT intends for the concept development \$100,000 awards to support, prepare, and enable Finalists to submit detailed applications for demonstration implementation under the separately issued the USDOT solicitation. The USDOT intends for the concept development \$100,000 awards to allow each recipient to further their own Smart City plans even if they do not receive the Smart City Challenge award. Finalists will participate in a number of planning, outreach and educational opportunities to further develop their plans. Under the second follow-on solicitation, the USDOT intends to solicit applications for assistance to result in one award to provide funding support for the implementation of a Smart City Challenge, in the estimated Federal funding amount of \$40 Million. The planned separate competition will be a set-aside with competition limited to Smart City Challenge Finalists selected hereunder.															

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Details**Is It Good For The Children?**

Yes, the USDOT's vision for the Smart City Challenge is to identify an urbanized area where advanced technologies are integrated into the aspects of a city and play a critical role in helping cities and their citizens address challenges in safety, mobility, sustainability, economic vitality, and address climate change. These challenges in transportation will be met by advancements in ITS, connected and automated vehicles, to name a few.

How will this contribute to a sustainable Kansas City?

Kansas City will meet the Smart City Challenge with three interconnected efforts, which we refer to as our "pillars." These pillars will enable us to develop, validate, and deploy elements of a 22nd Century transportation system that can evolve as technologies continue to develop. The three pillars include:

- 1) Deploying East Side Transportation and Connectivity Solutions
- 2) Increasing Key Corridor Safety through Connected and Autonomous Vehicles
- 3) Increased Mobility and Accessibility through Information Sharing

The three pillars will result in improved quality of life in East Side neighborhoods, decreased congestion in key transportation corridors, increased safety throughout the transportation system, provide transportation system and connectivity access to all sectors of the city's population, reduced negative environmental impacts, integrated city-wide infrastructure and systems, and move the development and economic vitality of the region into its next phase of evolution. Each pillar in our concept is described below, all three of which will be integrated to provide city-wide improvement of transportation systems in a Smart City environment. These efforts will complement those already underway in the Kansas City Smart + Connected City initiative.

Policy/Program Impact

Policy or Program Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	

Finances

Cost & Revenue Projections -- Including Indirect Costs	Total approved award from U.S. Department of Transportation is \$100,000 pursuant to Funding Opportunity Number TFH6116RA00002
Financial Impact	
Fund Source (s) & Appropriation Account Codes	<u>Revenue Account</u> 16-1000-476428 <u>Expenditure Accounts</u> 16-1000-105030

Reviewed by:

Meera Mahalingam

Reference Numbers