

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE MAYOR TO PARTNER WITH OAK RIDGE NATIONAL LABORATORY TO APPLY FOR AND, IF AWARDED, ACCEPT A GRANT FROM THE ACCESSIBLE TRANSPORTATION TECHNOLOGIES RESEARCH INITIATIVE (ATTRI), A JOINT U.S. DEPARTMENT OF TRANSPORTATION INITIATIVE, TO IMPLEMENT TECHNOLOGIES THAT WILL PROVIDE BETTER ACCESS TO TRANSPORTATION FOR PEOPLE WITH DISABILITIES, VETERANS WITH DISABILITIES, AND OLDER ADULTS THROUGHOUT THE CITY.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, That the Mayor is hereby authorized to partner with Oak Ridge National Laboratory to apply for and, if awarded, accept a grant from the Accessible Transportation Technologies Research Initiative (ATTRI), a joint U.S. Department of Transportation initiative, to implement technologies that will provide better access to transportation for people with disabilities, veterans with disabilities, and older adults throughout the City.

ADOPTED: _____, 2015

/mem

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: May 15, 2015

Preparer: Kevin Comstock

Department: Transportation

Brief Description of Purpose for Resolution/Ordinance: Res./Ord. # _____ Council District # _____

A resolution authorizing the Mayor to partner with Oak Ridge National Laboratory to apply for and, if awarded, accept a grant from the Accessible Transportation Technologies Research Initiative (ATTRI), a joint U.S. Department of Transportation initiative, to implement technologies that will provide better access to transportation for people with disabilities, veterans with disabilities, and older adults throughout the City.

Name of Vendor/Contractor/Grant, etc. _____
Total project cost \$ _____
Total City of Chattanooga Portion \$ _____
City Amount Funded \$ _____
New City Funding Required \$ _____
City's Match Percentage % _____

New Contract/Project? (Yes or No) Yes
Funds Budgeted? (YES or NO) N/A
Provide Fund _____
Provide Cost Center _____
Proposed Funding Source if not budgeted _____
Grant Period (if applicable) _____

List all other funding sources and amount for each contributor.

Amount(s)	Grantor(s)
_____	_____
_____	_____
\$ _____	_____
\$ _____	_____

Agency Grant Number _____

CFDA Number if known _____

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Approved by: 

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: October, 2011

The Accessible Transportation Technologies Research Initiative

The Accessible Transportation Technologies Research Initiative (ATTRI) is a joint U.S. Department of Transportation (USDOT) initiative, co-led by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), with support from the Intelligent Transportation Systems (ITS) Joint Program Office (JPO) and other Federal partners. ATTRI conducts research to improve the mobility of travelers with disabilities through the use of ITS and other advanced technologies. (ITS/CV/ATMS) ATTRI leads the research, development, and implementation of transformative technologies, solutions, applications, or systems for people of all abilities to effectively plan their personal and independent travel. ATTRI will enhance the capability of travelers to reliably and safely execute independent travel. ATTRI will identify, develop, and deploy new transformative technologies, applications or systems, along with supporting policies and institutional guidance, to address mobility challenges of all travelers, in particular, travelers with disabilities.

ATTRI research focuses on the needs of three stakeholder groups: people with disabilities, veterans with disabilities, and older adults.

ATTRI leverages recent advances in vehicle, infrastructure, and pedestrian-based technologies, as well as accessible data, mobile computing, robotics, artificial intelligence, object detection, and navigation. The technology is enabled by wireless communications that connect travelers and their mobile devices; vehicles; and infrastructure. (ATMS) The technologies used by ATTRI provide almost ubiquitous access to a wealth of real-time situational data sources, including data specific to transportation, municipalities, points of interest, crowd-sourced information, and accessibility data. Five (5) technology areas have emerged as ATTRI focus areas: wayfinding and navigation, assistive technologies, automation and robotics, data integration, and enhanced human service transportation.

How does the City of Chattanooga fit into this program?

Chattanooga has several items that make this project intriguing to the Federal Highway Administration.

1. A robust and active ITS program with communications technologies deployed throughout most of the County.
 - a. The ATMS project is one such application that will be inclusive of this technology.
2. A City Council and Administrative Staff that recognizes the Quality of Life benefits from connecting ALL people to transportation mode choices.
 - a. This is indicated in their support of the Bike Implementation Plan, the ITS programs and the Connected Vehicle Project.
3. An innovative and entrepreneurial mindset in the Chattanooga Department of Transportation that is backed up with the experience and expertise to make the program successful.
4. Partnering with Academic, Health and Mobility experts locally to provide guidance and ensure the needs of the intended users are met.
 - a. Leadership Team includes Dr. Jan-Mou Li a research engineer from ORNL with teaching privileges at UT Knoxville. Dr. is our primary contact at ORNL for the Connected Vehicle Project.

- b. Stephanie deOlloqui is a Master Certified Health Education Specialist who has local connections within the disabled community and vast experience in accessibility and mobility issues within Chattanooga.
 - c. Kevin Comstock is the City's Traffic Signal Systems Engineer who is directing the development and deployment of Chattanooga's ITS System. He is the Systems Development Lead for the City's Connected Vehicle Project and shares Program Management Lead responsibilities with Dr. Li with regard to the City of Chattanooga's Systems.
5. The State of Tennessee has already approved the use of Autonomous Vehicles within the State. This measure lifts the one stumbling block faced by most other states other than California and Nevada. ATTRI advocates an Autonomous Vehicle component to the list of mobility devices being considered. Because of that, we need to be prepared to accept them as part of a potential solution. Tennessee has already paved the way for us to be considered through this legislation. <http://williamsonsource.com/self-driving-car-laws-legislation-tennessee/>