

## Committee on Planning & Development

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## COMMITTEE ON PUBLIC WORKS AND INFRASTRUCTURE

Agenda Item No.		PWI – 4	Meeting Date:	July 21, 2015		
		REQUEST FOR COMMITTE	E ACTION			
To:	Fred Payne,	Chairman, Committee on Public \		ture		
From:	Paula Gucker, Assistant County Administrator, Department of Community Planning and Development					
Department:						
Item Title:		Resolution on Autonomous Vehicle	s			
Action Taken by Committee previously (include dates when Item was discussed):		Committee discussed the item on December 2, 2014 and held the item.				
Motion Reques	ted Today:	Approval and forward to full Council				
Staff Recommendation:						
Impact of Action:						
Funding Amou	nt/Source:					
Requested by:		Councilor Fred Payne				
Staff Represent	tative:					
List of Attachments: Resolution						
7-16-15	5			various		
Date Subm		Approved by the County Admi	inistrator	Council District		

No.

## A RESOLUTION

## A RESOLUTION AUTHORIZING GREENVILLE COUNTY AS A PILOT SITE IN SOUTH CAROLINA FOR AUTOMATED VEHICLE DESIGN, DEVELOPMENT, AND TESTING.

WHEREAS, Greenville County Council recognizes that automated vehicle technology, alternative fuel research, and intelligent transport systems have potential to revolutionize transportation and connectivity, to reduce accidents, energy consumption, and pollution, thus reducing the costs of congestion, and saving governments and individuals billions of dollars in future mobility costs; and

WHEREAS, Automated technology has progressed rapidly and self-driving vehicles, now being tested by Google and others on roads and highways in the United States, as well as Greenville undergraduate engineering students who automated an electric vehicle assembled by Star EV in Simpsonville, and demonstrated it in Washington, D.C. on June 1, 2015; and

**WHEREAS**, Research and development to refine the technology for automated vehicles as well as the manufacture of the automation components represents a future multi-billion dollar industry; and

**WHEREAS**, South Carolina can become a leader of this "disruptive" technological movement, utilizing our universities, research centers, and innovative corporations to create an early adopter environment, promoting a responsive and inviting location for development of this evolving industry and the jobs associated with it; and

**WHEREAS**, Greenville County has a growing nucleus of engineers and researchers interested in automating electric vehicles and developing prototypes of electric autonomous vehicles, as well as studying the potential psychological and economic impacts of the new "disruptive" technology; and

WHEREAS, Greenville County would be an ideal pilot site because of its wide range of automotive traffic patterns, rural and urban driving situations, skilled workforce, strong universities, sites for research and development at Clemson University's International Center of Automotive Research and SC-TAC's International Transport Innovation Center, as well as corporate transportation research leaders like Michelin America, BMW Manufacturing, Proterra, Kemet, Bosch, and General Electric; and

WHEREAS, Using Greenville County as a pilot site will assist the National Highway Traffic Safety Administration (NHTSA), the South Carolina General Assembly and the South Carolina Department of Transportation with crafting policy and model legislation necessary to maximize the social benefits that autonomous vehicle technology will enable.

**NOW THEREFORE BE IT RESOLVED THAT** the Greenville County Council does hereby consent to working with State Officials to create a collaborative environment with the necessary approvals to authorize Greenville County as a pilot site for research, development and testing of autonomous vehicle technology, and in doing so, encourage related technology interests to consolidate in

Greenville County and establish an ecosystem for people and companies to design, test and develop automated vehicles, infrastructure, communications, and control systems as well as to provide leadership in the development of industry standards and guidance for the creation of Federal and State regulations.

ADOPTED IN REGULAR M	IEETING THIS DAY OF,	, 2015
	GREENVILLE COUNTY COUNCIL	
ATTEST:	Bob Taylor, Chairman Greenville County Council	
Theresa B. Kizer Clerk to Council	Joseph M. Kernell County Administrator	