



# City of San Antonio

## Legislation Details (With Text)

<b>File #:</b>	19-6452		
<b>Type:</b>	Staff Briefing - Without Ordinance		
		<b>In control:</b>	Innovation and Technology Committee
<b>On agenda:</b>	8/26/2019		
<b>Title:</b>	Tour and Demonstration of Automated Vehicle Technologies at SwRI [Mike Brown, Institute Engineer; Jerry Towler, Senior Research Engineer]		
<b>Sponsors:</b>			
<b>Indexes:</b>			
<b>Code sections:</b>			
<b>Attachments:</b>			

Date	Ver.	Action By	Action	Result
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**DEPARTMENT:** Office of Innovation

**DEPARTMENT HEAD:** Brian Dillard, Chief Innovation Officer

**COUNCIL DISTRICTS IMPACTED:** City-Wide

**SUBJECT:** Tour and Demonstration of Automated Vehicle Technologies at SwRI

### SUMMARY:

The purpose of this item is to provide the Innovation and Technology Committee with an overview and demonstration of Automated Vehicle Technologies developed by SwRI.

### BACKGROUND:

Southwest Research Institute® (SwRI®) is a leading provider of technologies for both commercial and military automated vehicles. Capabilities in research and development, as well as testing and standards, include:

- Localization solutions that allow automated vehicles to maintain their position on roadways.
- Precision following technologies enabling unmanned vehicles to react to traffic using visual and physical sensing data.
- Low-speed automated shuttles for use in campus settings, such as golf courses and amusement parks.
- Automated trailer spotting to help move freight at distribution centers and container terminals.
- A Connected Vehicle Affiliated Testbed supported by the USDOT's Research and Innovative Technology Administration, to support public and private sector research, testing and demonstrations of innovative, next-generation intelligent transportation technologies.

**ISSUE:**

This tour provided by Mike Brown, Institute Engineer and Jerry Towler, Senior Research Engineer at SwRI will showcase the potential of Autonomous Vehicles (AV) as an emerging mobility technology.

**ALTERNATIVES:**

This item is for briefing purposes only.

**FISCAL IMPACT:**

This item is for briefing purposes only.

**RECOMMENDATIONS:**

This item is for briefing purposes only.