CAV interactions
Costs of inaction
The problem

"The Chicken - or - The Chicken Egg"
TTS History

- Audi of America forms TTS
- Jan 2014 Audi demo in Las Vegas
- Jan 2014 Releases in Dallas, San Francisco, Los Angeles, Portland, Seattle, and Houston
- Jan 2016 Win’s TU Automotive “Newcomer of the Year”
- Jun 2017 BMW demo in Las Vegas
- Oct 2017 Release of Washington, DC
- Mar 2018 Kia demo via Android Auto App
Cloud Communications Flow

On 4G Now

Future
Transportation data infrastructure

• Communications

• Controllers talking NTCIP

• Central ATMS
Relationships

- Government entities own data, as by-products of the infrastructure
- Partners deliver the data from ATMS, based TTS’ API
- TTS connects the systems, develops the information, and delivers the derived data product
- Customers develop and provide the connected vehicle applications
- End Users are consumers
2 methods to institute CV

• Think differently
  • IoT price-tag will cause nonconventional innovations
  • Safety & Congestion issues can be solved in other ways

• Find common solutions, rather than one-off implementations
  • Leveraging existing resources is only possible once agency silos are broken
A need to innovate...

- Reward for proactiveness: a seat at the table to change the future

- Tomorrow’s problems do not always require a **concrete & asphalt** solution

- 40,000 yearly fatalities are *still* occurring
Thank You!

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