

CV/AV Proving Ground USDOT Opportunity

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Why Designation of Proving Grounds

- ▶ Encourage new levels of public safety
- ▶ Transform personal and commercial mobility
- ▶ Open new doors to disadvantaged people and communities
- ▶ Form Community of Practice around safe testing and deployment
- ▶ Share best practices for testing and operations
- ▶ Enable faster learning
- ▶ Accelerate deployment

Eligible Entities

- ▶ Test tracks
- ▶ Testing facilities
- ▶ Race tracks
- ▶ Cities/urban cores
- ▶ Highway corridors
- ▶ Campuses (corporate or academic)
- ▶ Facilities will not be limited to predetermined size, number or variety of domains/capabilities

Criteria

- ▶ Designated Safety Officer
- ▶ Sharing of safety approaches and safety data generated through testing and operation

Additional Criteria

- ▶ Proposed Contributions
- ▶ Commitment to Safety
- ▶ Research, Application and Data Sharing
- ▶ Demonstrated Investments
- ▶ Adherence to Laws, Regulations and Federal Policy

Current Facilities and Operations in the U.S.

- ▶ American Center for Mobility (MI)
- ▶ MCity (MI)
- ▶ GoMentum Station (CA)
- ▶ Texas A&M Riverside Campus (TX)
- ▶ Orlando (FL)
- ▶ Tampa Selmon Expressway (FL)
- ▶ Virginia Smart Road (VA)
- ▶ Maricopa County AzTech (AZ)
- ▶ Ohio State University (OH)

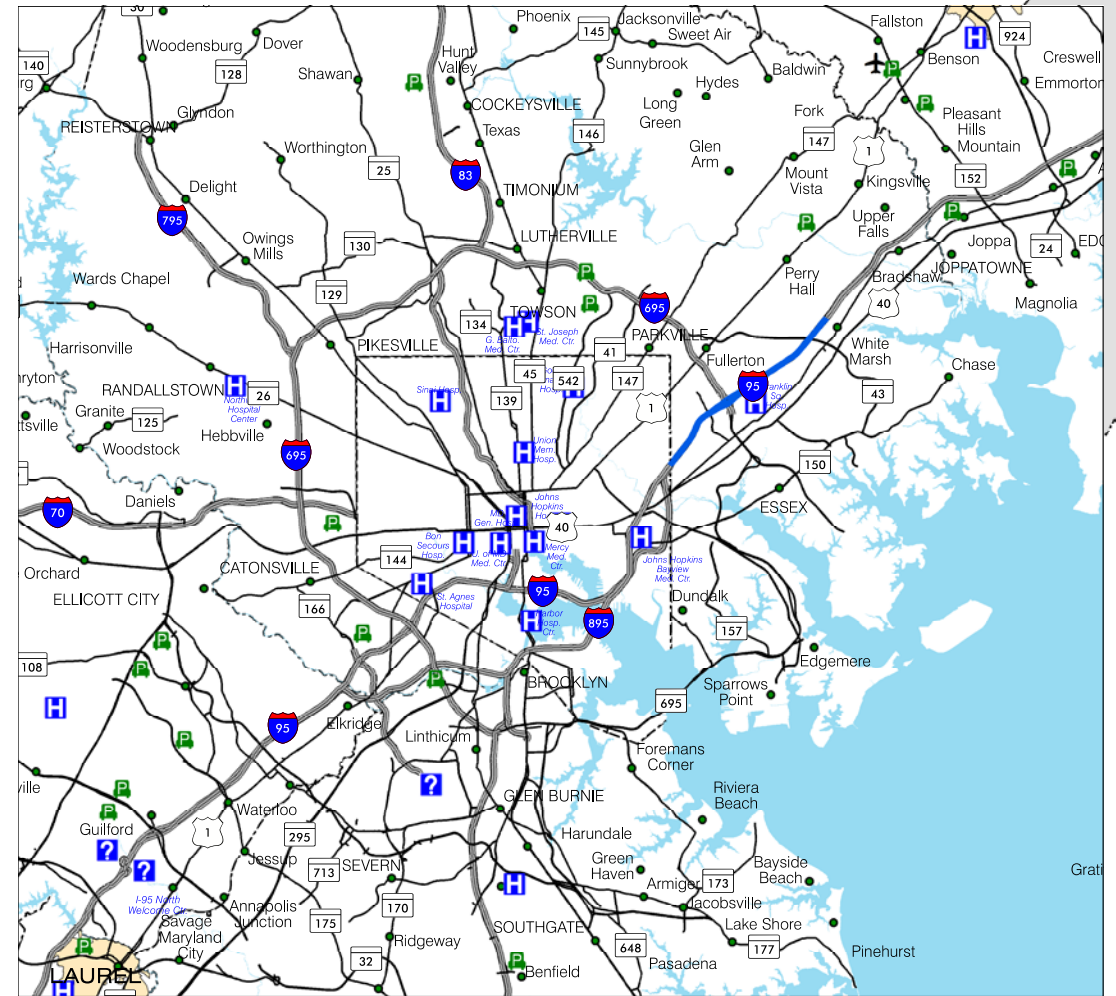
Considerations for Maryland

- ▶ Economic development
- ▶ Innovation and technological advances
- ▶ Safety innovations and improvements
- ▶ Resources and partnerships
- ▶ Academic partnerships
- ▶ Policy

Opportunities

- ▶ Aberdeen Proving Ground testing high speed autonomous vehicles on Army facilities
- ▶ Law Enforcement Training Center is being outfitted for testing by FHWA
- ▶ FHWA has interest in our special highway lanes (ETL)
- ▶ MDOT SHA and partners working on corridor concepts
- ▶ Local innovative private sector advancements

Special Lanes Example



Timeline

- ▶ Designation Application development
- ▶ Commitments needed
 - ▶ Immediately
- ▶ Applications due December 19th
- ▶ Designations to be made first quarter 2017

Questions and Ideas

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