Arizona State University is uniquely suited to address the complex transportation challenges of moving people and goods around the world. ASU researchers work across disciplines – from materials to systems engineering, renewable fuels to urban planning and policy – and with external partners to create infrastructure and mobility innovation for the future of transportation. ASU administers a combined research expenditure portfolio exceeding $38 million (last 5 years) in transportation-related research projects and interagency contracts.

The ASU ADVANTAGE

Transportation Research Expertise

As populations grow and move, and as technology changes, transportation solutions must change, too. ASU researchers are uniquely qualified to design these solutions, with expertise in the following key areas:

Next Generation Transport
- Autonomous vehicles
- Aviation and aerospace technology
- Intelligent transportation systems
- Megacities
- Moving goods and people
- Multimodal transportation and smart services
- Reducing congestion
- Risk management and improving safety
- Technologies to connect vehicles and infrastructure
- Transportation operations and control
- Urban planning

Smart Infrastructure Development
- Advanced pavement materials
- Durability and extending life of infrastructure
- Infrastructure preservation
- Sustainable and smart cities
- Sustainable infrastructure assets with emphasis on resilience

Innovative Fuels
- Alternative fuels and energy production, storage, and conversion technologies
- Electric, hydrogen, and biofuel vehicles and infrastructure
ASU believes it is critical to the future of transportation to develop a workforce with the skills to design and manage the transportation systems and supporting infrastructure of the future. Degree programs preparing the next generation of the transportation workforce include:

**Transportation Workforce Development**

Systems Analysis and Engineering  |  Industrial Engineering and Operations Research  |  Planning and Geography
Pavement Materials  |  Supply Chain Management  |  Aviation Technology and Management  |  Resilience and Sustainability

**Sponsored Transportation Research at ASU**

ASU is consistently successful in winning awards from the following external organizations:

- AZ Department of Transportation (Arizona DOT)
- National Science Foundation (NSF)
- Department of Energy (DOE)
- Transportation Research Board (TRB)
- United States Department of Transportation (USDOT) and USDOT agencies such as
  - Federal Highway Administration (FHWA)
  - Federal Aviation Administration (FAA)
  - Pipeline Hazardous Materials Safety Administration (PHMSA)

To learn more about how your organization could benefit from working with ASU, contact:

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