HOW DO YOU SEE SAFETY?
Solving for Safety Visualization Challenge

Challenge Connections Webinar
June 26, 2018 | 1 - 2:30 PM EST

Contact: solve4safety@dot.gov
Visit: transportation.gov/solve4safety
Engage: #solve4safety
HOUSEKEEPING

AUDIO OPTIONS
Audio Number: 1-866-390-1828
Access Code: 6499380#

TO ASK A QUESTION
Please use the chat pod to ask questions throughout the webinar.

AGENDA
• Challenge Mechanics Recap
• Questions & Answers
• Challenge Connections
CHALLENGE MECHANICS
Recap of webinar on June 19, 2018
The Challenge

Select an **ANALYTICAL VISUALIZATION TOOL** to develop:
- Discover Insights Tool
- Simulation Tool

Address one or more of the priority **SAFETY FOCUS AREAS**:
- Conflict Points Impacts
- High Risk Factors
- Vulnerable System Users

Design for a **USER**:
- Policy makers and influencers
- Providers/Operators
- Public
Select an **ANALYTICAL VISUALIZATION TOOL** to develop:

**Discover Insights Tool**
- Analyze data to reveal patterns and trends
- Use compelling visualizations to explain what is happening
- Understand the meaning behind the data and draw conclusions

**Scenario Analysis Tool**
- Assist in decision-making by visualizing data, allows users to visualize outputs of existing model simulations and scenarios
- Identify issues, determine correlations, and assign probabilities
- Highlight different conditions and results of sensitivity and parametric analysis to visually assist in decision-making
Address one or more of the priority SAFETY FOCUS AREAS*:

Vulnerable System Users
- Pedestrians
- Cyclists
- Motorcyclists
- Persons with disabilities
- Persons with declining vision and hearing

High Risk Factors
- Impaired drivers
- Drowsy drivers
- Older drivers
- Speeding drivers

Conflict Points Impacts
- Road intersections
- Rail grade crossings

*Note: Examples given for each focus area are not exhaustive.
Design for a **USER:**

**Policy Makers & Influencers**
- Incentivize/disincentivize transportation system developments
- Address needs using personnel, funding, or laws and regulations

**Providers/Operators**
- Design equipment and facilities
- Evaluate safety effectiveness
- Develop operations, countermeasures and techniques

**Public**
- Use, rely on, and fund the transportation system
- Interest in protecting themselves and others in the community
## Judging Criteria

A judging panel of cross-functional technical experts and senior level staff will select finalists and award prizes.

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<th>Stage II: Concept</th>
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Prizes

Stage I: Ideation

Solvers develop ideations. Four Stage I finalists will be invited to develop their ideations into proofs of concept and compete for a cash prize.

Stage II: Concept

$100,000

Four finalists develop ideations into proofs of concept and compete for part of a $100,000 prize purse. Two of the finalists advance to Stage III.

Stage III: Tool

$250,000

Two semi-finalists develop proofs of concepts into working tools and compete for a $250,000 prize purse, with each receiving a minimum of $50,000.
Challenge Mechanics Webinar  
*June 19, 2018*  
Learn more about the Challenge

**Ideation Due**  
*July 31, 2018*

**Challenge Opens**  
*June 14, 2018*  
Solvers develop ideations

**Challenge Connections Webinar**  
*June 26, 2018*  
Solver-Innovation Agent relationship building and Solver team building

**Ideation Prizes Awarded & Proof of Concept Competitors Announced**  
*August 2018*  
Four semi-finalists advance to Stage II, developing ideations into proofs of concept

**Proof of Concept Due**  
*October 2018*

**Proof of Concept Prizes Awarded & Working Tool Competitors Announced**  
*Late October 2018*  
Four semi-finalists awarded part of a $100,000 prize purse. Two semi-finalists advance to Stage III, developing proofs of concepts into working tools

**Working Tool Due, Prizes Awarded, & Recognition**  
*December 2018 - January 2019*  
Two finalists awarded part of a $250,000 prize purse, with each receiving a minimum of $50,000
Solvers

The Challenge is open to Solvers in the United States or US territory, including:

- Business and Research Communities
- Technology Companies
- Analytics Firms
- Transportation Carriers
- Industry Associations
- Research Institutions
- Universities
- Mapping and Visualization Providers
- Individuals

THE CHALLENGE IS OPEN!
Submit your Ideation as a Solver: www.transportation.gov/solve4safety
Innovation Agents
Innovation Agents are companies and organizations interested in providing real world knowledge, guidance, insight, issues, and data to Solvers, especially those new to the transportation safety space.

Technical Assistance Innovation Agents - provide interested Solvers with knowledge, guidance, insight and issues related to transportation safety

Data Innovation Agents - provide interested Solvers with access to data or analytic techniques that can be used in the analytical visualization tools

THE CHALLENGE IS OPEN!
Register your support as an Innovation Agent:
www.transportation.gov/solve4safety
CHALLENGE CONNECTIONS
Solver-Innovation Agent Relationship Building & Solver Team Building
BECOME PART OF THE SOLUTION!
Solving for Safety Visualization Challenge

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