

Autonomous Vehicle Observation Zone Challenge

Real-world data for a safer, smarter DC.

DDOT, Southwest BID, and US Ignite are launching a challenge to identify innovative solutions that can detect, monitor, and analyze AV activity in Washington, DC's complex, multimodal environments.



WE'RE EXPLORING SOLUTIONS THAT CAN:



DETECT & MONITOR

Independently detect and monitor AV activity in mixed traffic environments.



ANALYZE INTERACTIONS

Analyze interactions with pedestrians, cyclists, vehicles, and infrastructure.



IDENTIFY SAFETY EVENTS

Identify safety-critical events and operational impacts.



PROVIDE DATA & INSIGHTS

Turning observations into actionable insights for a better DC



WHY THIS MATTERS

- Protect people on our streets
- Improve safety for all road users
- Inform data-driven decisions
- Increase transparency and public trust

DEPLOYED IN THE REAL WORLD



LIVE DC STREETS

Real traffic. Real conditions.



COMPLEX

Multimodal corridors. High stakes.



SAFETY FIRST

Protecting pedestrians, cyclists, drivers, and communities.



DATA FOR GOOD

Turning observation into better outcomes for a better DC.

HELP SHAPE THE CHALLENGE



We're inviting innovators, researchers, and technology providers to share input that will help refine the challenge structure, requirements, and evaluation criteria.



SHARE YOUR INPUT

Tell us about your ideas and recommendations.
Challenges@us-ignite.org



STAY ENGAGED

Learn more and sign up to receive updates.
us-ignite.org/avochallenge