

Use Case & Funding Implementation Mapping

**SS4A Application
Deadline is
May 26, 2026!**

USE CASE	CLEAROBJECT SOLUTION	BEST FIT SCENARIO	PROBLEM SOLVED	SS4A FUNDING ALIGNMENT	REQUIRED LOCAL DATA	OTHER FUNDING AVAILABLE	OUTCOMES/METRICS
Wrong-Way Driver Detection	TrafficPulse™	High-speed corridors, ramps	Late detection of wrong-way vehicles	Reduces fatal crash risk	Wrong-way incidents, fatal crash data, high-risk corridors	HSIP, UASI, State Safety Funds	Faster detection time, reduced fatal incidents
Stopped Vehicle Detection	TrafficPulse™	Highways, tunnels, busy corridors	Delayed awareness of disabled vehicles	Reduces secondary crashes	Secondary crash rates, incident response times	HSIP, CMAQ, State DOT Ops Funds	Faster response time, fewer secondary crashes
Crash Detection	TrafficPulse™	Intersections, high-volume roads	Delays in crash detection	Improves emergency response	Crash frequency, response delays, high-injury locations	HSIP, UASI, State Safety Funds	Faster dispatch, improved incident visibility
Roadway Flood Detection	TrafficPulse™ / ClearFlood	Flood-prone roads, underpasses	Drivers entering flooded roads	Reduces roadway fatalities	Flood-prone areas, past closures, incident history	FEMA BRIC, UASI, State Resilience Funds	Faster road closures, reduced driver exposure
Overheight Detection	TrafficPulse™ / ClearHeight	Low bridges, freight routes	Bridge strikes and disruptions	Prevents infrastructure incidents	Bridge strike history, repair costs, key corridors	BIP, HSIP, State Infrastructure Funds	Fewer strikes, reduced repair costs
Work Zone Intrusion Detection	ClearWorkZone	Active work zones, mobile crews	Vehicles entering work zones	Improves worker safety	Work zone incidents, near-misses, high-risk zones	HSIP, State DOT Safety Funds, IIJA	Reduced injuries, faster hazard alerts

ClearObject can help agencies identify high-impact safety use cases and provide application-ready language for SS4A submissions.

Questions or more info, contact:
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ClearObject is ISO 27001 certified, ensuring industry-leading standards for information security management and data protection.

Learn more about each funding program on the "Key Funding Programs for Roadway Safety" chart on the next page



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Key Funding Programs for Roadway Safety

Use this chart to match the funding program to your road safety use case on the "Use Case & Funding Implementation Mapping" Chart [↑](#)

FUNDING PROGRAM	BEST FOR	WHAT IT SUPPORTS	IMPORTANT DATES/DEADLINES	LEARN MORE
SS4A (Safe Streets and Roads for All)	Local safety initiatives, Vision Zero	Funds planning and implementation projects to reduce roadway fatalities and serious injuries	May 26, 2026 (Application Deadline)	https://www.transportation.gov/grants/SS4A
HSIP (Highway Safety Improvement Program)	Proven roadway safety improvements	Federal funding to reduce traffic fatalities through infrastructure and technology-based safety projects	Varies by state; typically annual cycles	https://highways.dot.gov/safety/hsip
BIP (Bridge Investment Program)	Bridge safety and protection	Supports bridge repair, replacement, and prevention measures like overheight detection	Rolling / TBD; IIJA (Infrastructure Investment and Jobs Act) funds active through Sept 30, 2026	https://www.fhwa.dot.gov/bridge/bip/
UASI (Urban Area Security Initiative)	Urban safety, emergency response	Provides funding to enhance regional preparedness and capabilities in designated high-threat, high-density areas.	Typically opens early year; varies annually (via FEMA)	https://www.fema.gov/grants/preparedness/homeland-security#programs
CMAQ (Congestion Mitigation & Air Quality)	Reducing congestion and emissions	Funds projects that improve traffic flow and reduce emissions	State-managed; cycles vary by DOT/MPO	https://www.fhwa.dot.gov/environment/air_quality/cmaq/
FEMA BRIC (Building Resilient Infrastructure and Communities)	Flooding and climate resilience	Supports hazard mitigation projects that reduce risk from extreme weather	Typically Fall application cycle (FEMA)	https://www.fema.gov/grants/mitigation/learn/building-resilient-infrastructure-communities
State DOT & Local Safety Funds	Fast deployment, matching funds	State-level programs for safety and innovation projects	Ongoing; tied to state fiscal year cycles	Check your state DOT website

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