



**Green Cross**  
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an **nsc** award



## **Green Cross for Safety® Awards 2026 Finalist | Innovation**

### **Clayton County Water Authority - M.I.T.C.H.™, the Mobile Illuminated Traffic Control Hub (2.0)**

Following a 2022 struck-by incident in which an employee was run over in an active work zone, Clayton County Water Authority (CCWA) challenged itself to eliminate unnecessary worker exposure to live traffic. The result was M.I.T.C.H.™ 2.0 (Mobile Illuminated Traffic Control Hub), a self-contained, solar-powered mobile platform that consolidates all temporary traffic control devices, lighting, communications, PPE, and safety equipment into a single deployable unit.

Built through continuous improvement and frontline employee feedback, M.I.T.C.H.™ 2.0 incorporates ergonomic cone deployment, enhanced illumination, redundant power, portable speed-control devices, compliant nighttime flagger lighting, and intrusion-alert technologies to improve worker protection while streamlining work zone setup.

The innovation has produced measurable safety improvements: a 57% reduction in work zone setup time, a 23% reduction in employee exposure to live traffic, less than 1% secondary dispatches, and zero stuck-by incidents since implementation.

Rather than treating the concept as proprietary, CCWA has shared the design, training, and implementation tools with peer utilities and transportation agencies, leading multiple organizations to adopt or replicate the system. M.I.T.C.H.™ 2.0 demonstrates that engineering innovation, workforce engagement, and knowledge sharing can transform work zone safety while advancing the National Safety Council's mission to eliminate preventable workplace injuries and fatalities.