

Traffic Safety During Construction of High-Speed Facilities

Presenters:
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I-80 Raccoon River Bridges

Project Length: 3 Miles
Construction Duration: 2022-2026
Letting Packages: 3






I-80 Grand Prairie to Jordan Creek

Project Length: 3 Miles
Construction Duration: 2023-2026
Letting Packages: 3






US-169

Single-Lane Roundabout
at new ADM high school

Construction Duration:
July 7 to Aug 20



IOWA DOT

HDR

Challenges

- Traffic transitions from rural to urban
- Heavy commuter flows:
 - AM Eastbound and PM Westbound
- Located at the eastern boundary of District 4
- Complaints – 3 C's
 - Citizens
 - Cops
 - Contractors

IOWA DOT

HDR

Strategies Implemented

Maintain a consistent posted speed during construction



IOWA DOT

HDR

Strategies Implemented

Glare screens

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IDR

Strategies Implemented

Minimize lane shifts

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Strategies Implemented

Temporary Lighting

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Strategies Implemented

Temporary Rumble Strips

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IDR

Strategies Implemented

Enforcement Responder Outreach

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IDR

Strategies Implemented

Coordinate with other local projects

IOWA DOT

IDR

Strategies Implemented

Signs, signs, and more signs

Strategies Implemented

Emergency pull off areas within long stretches of TBR

Strategies Implemented

Sequential warning light system for work zones






