



INDOT Approved Systemic Safety Work Types

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Rural Stop Controlled Intersections

- Improve visibility of unsignalized rural intersections by installing upgraded/new warning devices and markings
- Narrowing lanes approaching rural intersections using pavement markings and/or rumble strips. (For intersections without left turn lanes)
- Install vehicle activated advanced warning devices including Stop Ahead and/or LED Stop Signs or Conflict Warning Systems at rural, two-way stop unsignalized intersections.

Urban and Suburban Safety

- Install raised medians for access management control on roadway segments and/or at intersections.
- Construct right sizing (road diet) projects at locations that can be accomplished through the use of signs and pavement markings (Not Applicable to pavement reconstruction or geometric modifications).
- Reconfiguration of roadway space to narrow lanes using pavement markings.
- Installation of speed feedback signs at speed transition zones or school zones.
- Installation of curb bump outs (curb extensions) at intersections.
- Installation of other traffic calming elements to reduce vehicle speeds in built up urban areas where pedestrians are present such as; lateral shifts, chicanes, realigned intersections, chockers, median islands, on-street parking or other treatments.

Pedestrians

- Install new pedestrian crosswalk warning signs, flashing beacons or special pavement markings.
- Install or upgrade pedestrian curb ramps and median refuge areas in areas of high conflict between pedestrians and vehicular traffic.
- Install pedestrian push button/activated Countdown And Audible (APS) Pedestrian signal heads and controllers at traffic signals.
- Installation of raised crosswalks and/or speed humps/bumps/tables for speed control in low-speed urban areas.

Rural Segments

- Improve the visibility of curves by upgrading or adding curve warning signs and markings.
- Install new centerline and/or edge line pavement markings on unmarked roadways.
- Add centerline and/or edge line rumble stripes (pavement markings over the rumble) or edgeline rumble strips to rural roads.
- Add FHWA recommended High Friction Surface Treatments (HFST) to curves, ramps, or selected intersection approaches.
- Upgrade guardrail end treatments to meet current standards.
- Install guardrails or median barriers at locations where none existed previously.
- Install median cable barrier systems on divided roads with grass medians.
- Remove or shield permanent roadside safety obstructions.
- Install RPMs on rural high-speed roadways.

Traffic Signals

- Make changes to yellow interval traffic signal timing or signal interconnect to improve safety.
- Upgrade traffic signals to a minimum of one signal head per travel lane and install black backing plates with reflective borders on all traffic signal heads.
- Install UPS battery backup (emergency power) systems at traffic signal locations for continuous use during power outages.
- Install railroad pre-emption systems at signalized intersections that are within the influence area of crossing railroad trains.
- Install emergency vehicle pre-emption systems at traffic signal locations to reduce response times and increase safety as the emergency vehicles pass through intersections.
- Remove unwarranted signals and replace them with 4-way stop controlled intersection. (Engineering study required)

Other

- Improve visibility of intersections or pedestrian crossings by providing overhead lighting.
- Improve left turn sight distance at intersections with uncontrolled or permissive left turns by installing slotted left turn lanes or positive offset left turn lanes.
- Install or upgrade passive or new active warning devices and pavement markings at railroad crossings.
- Conduct inventory of traffic signs and/or upgrade warning and regulatory signs to meet MUTCD retroreflectivity requirements.
- Complete a local road safety plan for the relevant jurisdiction.