MEET ME AT THE CROSSROADS

The four E’s discussing rural and urban intersections
Meeting Agenda

- Background
- Introductions
- Situation A
  - Intersection Overview
  - Options
  - Four E Considerations
- Situation B
  - Intersection Overview
  - Options
  - Four E Considerations
- Next Steps
Within the last week, our community has seen two serious crashes, one included a fatal. These crashes involved prominent community members.

We are hearing we need to address immediate and long term opportunities to take another step toward safety and our goal of Toward Zero Deaths.

We have requested assistance from Safety experts to determine appropriate immediate response and assist in the long term plan for each intersection.
Tom Nixon: Representing: EMS and Education

Capt. Jeff Westrum: Representing: Enforcement

Renae Kuehl: SRF Consulting Representing: Engineering
Situation A
Rural Side-Street Stop-Controlled Intersection

- Contributing factors
  - Driver 1 – 50 year old female
    - Minor road failure to yield
    - No seat belt
  - Driver 2 – 28 year old male on lunch break assistant football coach
  - Right-Angle Crash
  - Time of day – Mid afternoon
  - Weather conditions – normal dry pavement
  - Serious injury – Driver 1
  - Minor injury – Driver 2
Intersection Characteristics

- Minor street stop controlled
- 65 mph hour mainline
- 45 minor road
- LOS = Fair
- Horizontal curve = none
- Vertical curve none
- Skew
- Railroad
Immediate Options

- Enforcement
- Education campaign
- Temporary traffic control
  - Intersection ahead signing
Long Term Options/Concepts

ENGINEERING
- Do Nothing
- Reduced Conflict Intersection
- Rural Intersection Conflict Warning System
- Roundabout

EDUCATION
- Education campaigns
  - Modification specific
  - Speed related
  - Distracted driving
  - Seat Belt

ENFORCEMENT
- Focused Enforcement Activities
Options and Considerations

- Do Nothing
Options and Considerations

- Reduced Conflict Intersection
Options and Considerations

- Rural Intersection Conflict Warning System
Options and Considerations

- Roundabout

Minessota TH13 at Scott County Highway 2
Source: Mn/DOT Metro
District Before: After Study
Options and Considerations

- **Campaigns**
  - Speed
  - Seat belt
  - Distracted Driving
Options and Considerations

- Thoughts:
Situation B
Signalized Intersection

- Contributing factors
  - Driver 1 - 32 year old male
    - Ran a red light
    - Distracted
    - No seat belt
  - Driver 2 – Senior homecoming Queen at the local high school
    - No seat belt
    - 2 passengers
  - Month - October
  - Time of day – Friday Afternoon before homecoming game
  - Weather conditions – normal dry pavement
  - Fatality – Driver 2
  - Serious Injuries - Driver 1/Passengers
Intersection Characteristics

- Signalized
- First intersection entering small town
- Speed transition zone – 55 MPH to 35 MPH
- LOS = Fair
Immediate Options

- Enforcement
- Education campaign
- Engineering
Options and Considerations

- Signal Confirmation Lights
Long Term Options/Concepts

**ENGINEERING**

- Do Nothing
- Roundabout
- Grade Separated
- Bypass

**EDUCATION**

- Education campaigns
  - Modification specific
  - Distracted driving
  - Seat Belt

**ENFORCEMENT**

- Focused Enforcement Activities
Options and Considerations

- Do Nothing
Options and Considerations

- Roundabout

Minnesota TH13 at Scott County Highway 2
Source: Mn/DOT Metro
District Before: After Study
Options and Considerations

- Grade Separation
Options and Considerations

- Bypass
Options and Considerations

- Campaigns
  - Speed
  - Seat belt
  - Distracted Driving

Crashing at 60 mph without a seat belt is like falling from the 12th floor.

Buckle up.
Extra patrols are now on Minnesota roads.

Speeding Excuse #5
“But I have to go to the bathroom.”
We’ve heard them all.
Extra speed enforcement now on Minnesota roads.

Take Action to Stop Distraction
Options and Considerations

- Thoughts:
Thank you

Tom Nixon:
MnDOT
Thomas.Nixon@state.mn.us

Capt. Jeff Westrum:
Mn State Patrol
jeffrey.westrum@state.mn.us

Renae Kuehl:
SRF Consulting
Rkuehl@srfconsulting.com

Janelle Borgen:
WSB & Associates
Jborgen@wsbeng.com