The Aging Driver and Engineering Solutions

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What is good for older drivers is generally good for all drivers.
Tools

- Traditional Infrastructure Improvements
  - Signs
  - Signals
  - Pavement Markings
  - Intersection and Roadway Design

- Vehicle Enhancements (rapid)

- Culture Changes (slow)
Increased Visual Acuity
Technology Assistance

Disclaimer: This figure is for information only depicting the extent of the ROWS signaling and detection zone elements and does not reflect all ROWS System requirements or other work outlined in the contract.

Note: Detection zones variable based on design.
Intersection Improvements

CONFLICTS
2-lane road standard intersection

CONFLICTS
2-way roundabout

Vehicles to vehicle
Vehicles to pedestrian

32 Vehicle to vehicle conflict
24 Vehicle to pedestrian conflict

Diverging 6
Merging 6
Crossing 2

TOTAL CONFLICT POINTS = 14
Vehicle Enhancements

- Driver Assist System
  - Lane Departure
  - Blind Spot Detection
  - Collision Avoidance
  - Vehicle to Vehicle communication

- Automated Vehicles
Mobility Needs

- Pedestrians
- Bicyclists
- Transit
- Ridesharing
Questions