

Community Highway Safety Forum

Helena Area – Green Meadow Drive



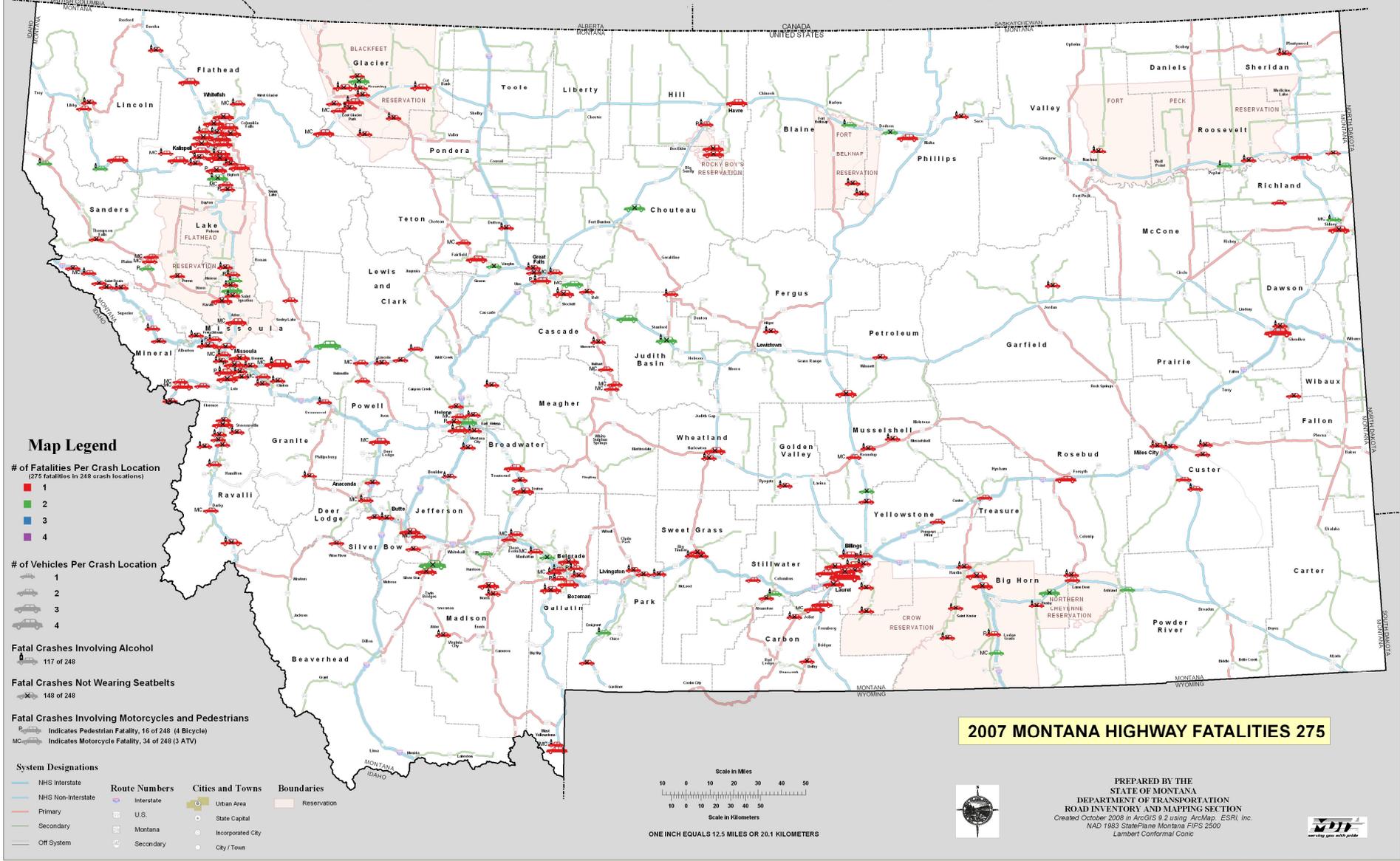
Director Jim Lynch
Montana Department of
Transportation

October 28, 2008

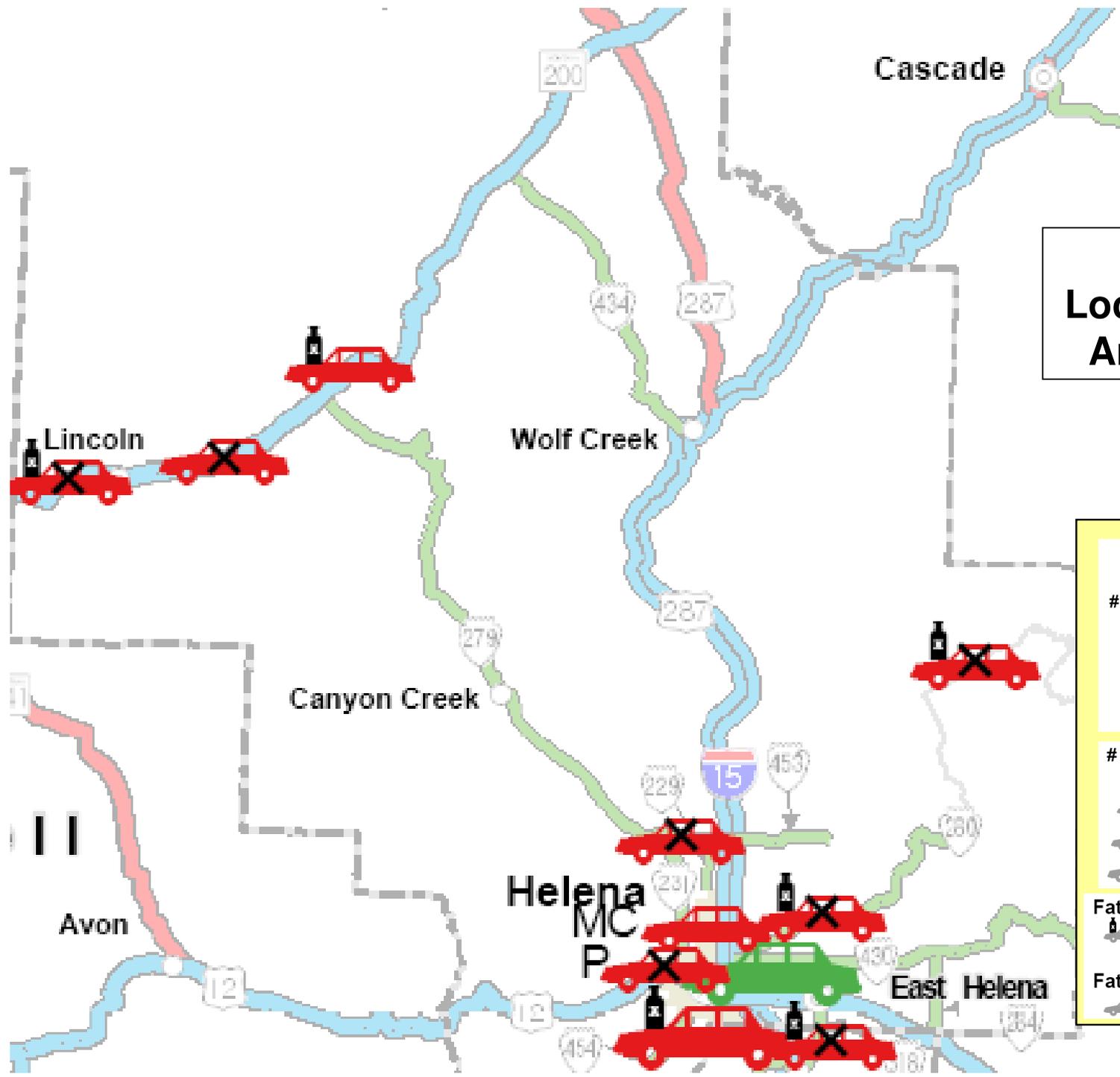
Montana Department of Transportation



FATAL CRASH LOCATIONS ON MONTANA HIGHWAYS - 2007



Fatal Crash Locations in Helena Area During 2007



Map Legend

of Fatalities Per Crash Location

Red	1
Green	2
Blue	3
Purple	4

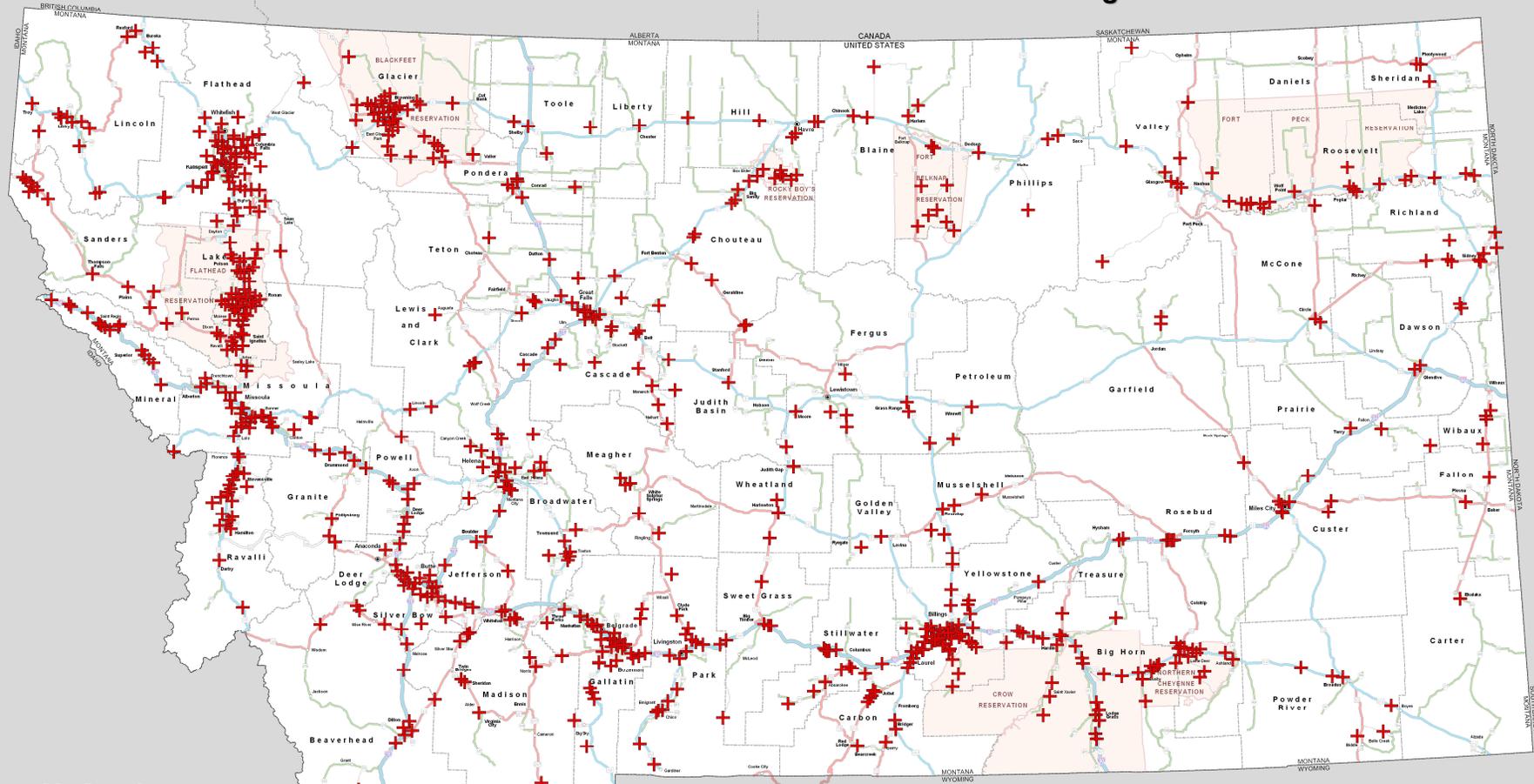
of Vehicles Per Crash Location

1 car icon	1
2 car icons	2
3 car icons	3
4 car icons	4

Fatal Crashes Involving Alcohol


Fatal Crashes Not Wearing Seatbelts


FATALITIES NOT WEARING SEATBELTS - 2003 through 2007



Map Legend

- + Fatality Not Wearing Seatbelt
- | | | | |
|--|--|---|---|
| System Designations | | | |
| — NHS Interstate | — Interstate | — U.S. | Reservation |
| — NHS Non-Interstate | — U.S. | — Montana | Reservation |
| — Primary | — Montana | State Capital | |
| — Secondary | — Secondary | Incorporated City | |
| — Off System | | City / Town | |



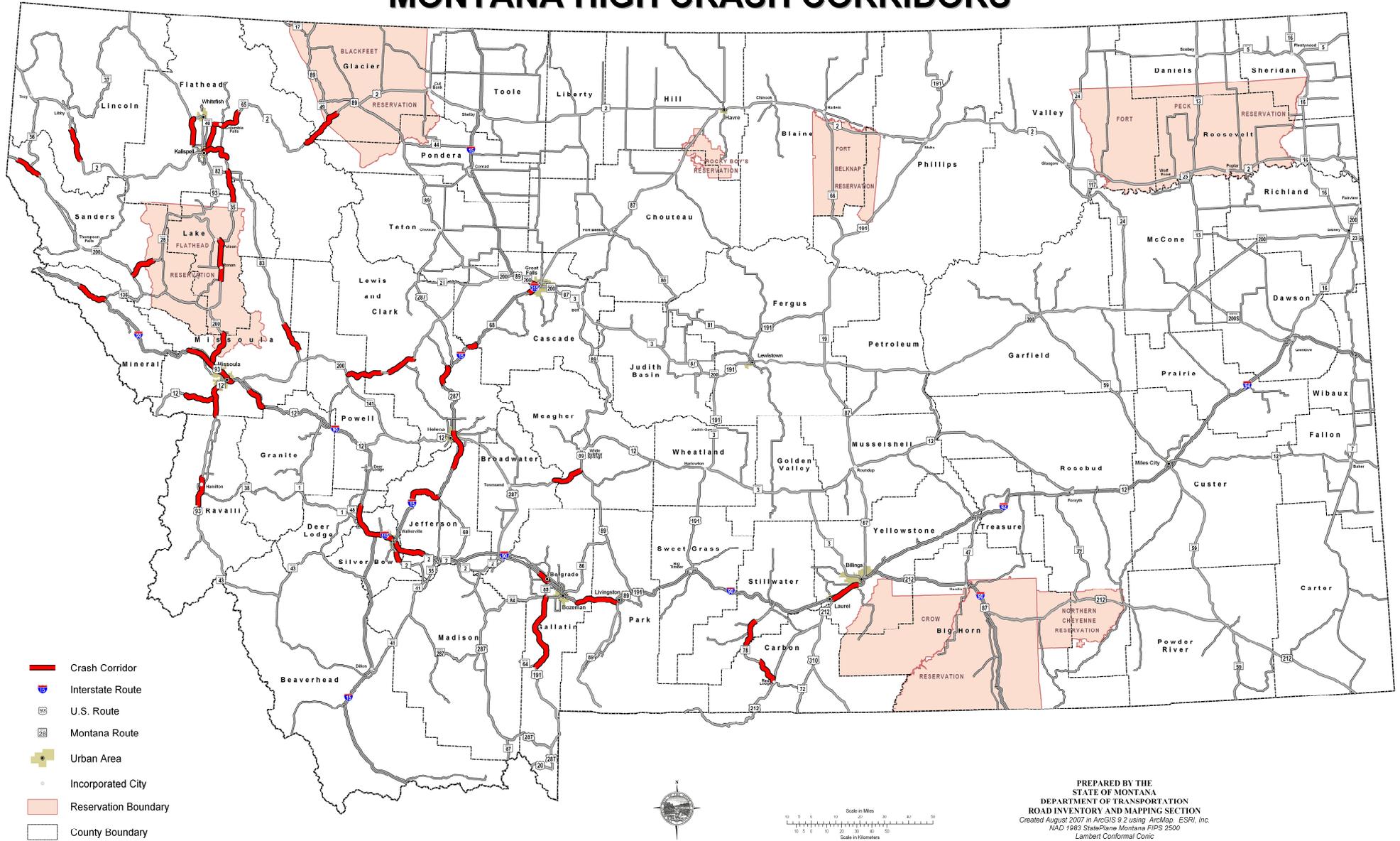
**73% OF OCCUPANT FATALITIES WERE NOT WEARING SEATBELTS
779 OF 1063 DEATHS**



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STATE OF MONTANA
DEPARTMENT OF TRANSPORTATION
ROAD INVENTORY AND MAPPING SECTION
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NAD 1983 StatePlane Montana FIPS 5000
Lambert Conformal Conic



MONTANA HIGH CRASH CORRIDORS



Green Meadow Drive



SURFACE INFO

- 12 ft surface, curb 100 ft wide
- 12 ft surface, curb 100 ft wide, 14 ft shoulder, 14 ft shoulder, 14 ft shoulder
- 12 ft surface, 14 ft shoulder
- 14 ft surface, no shoulder

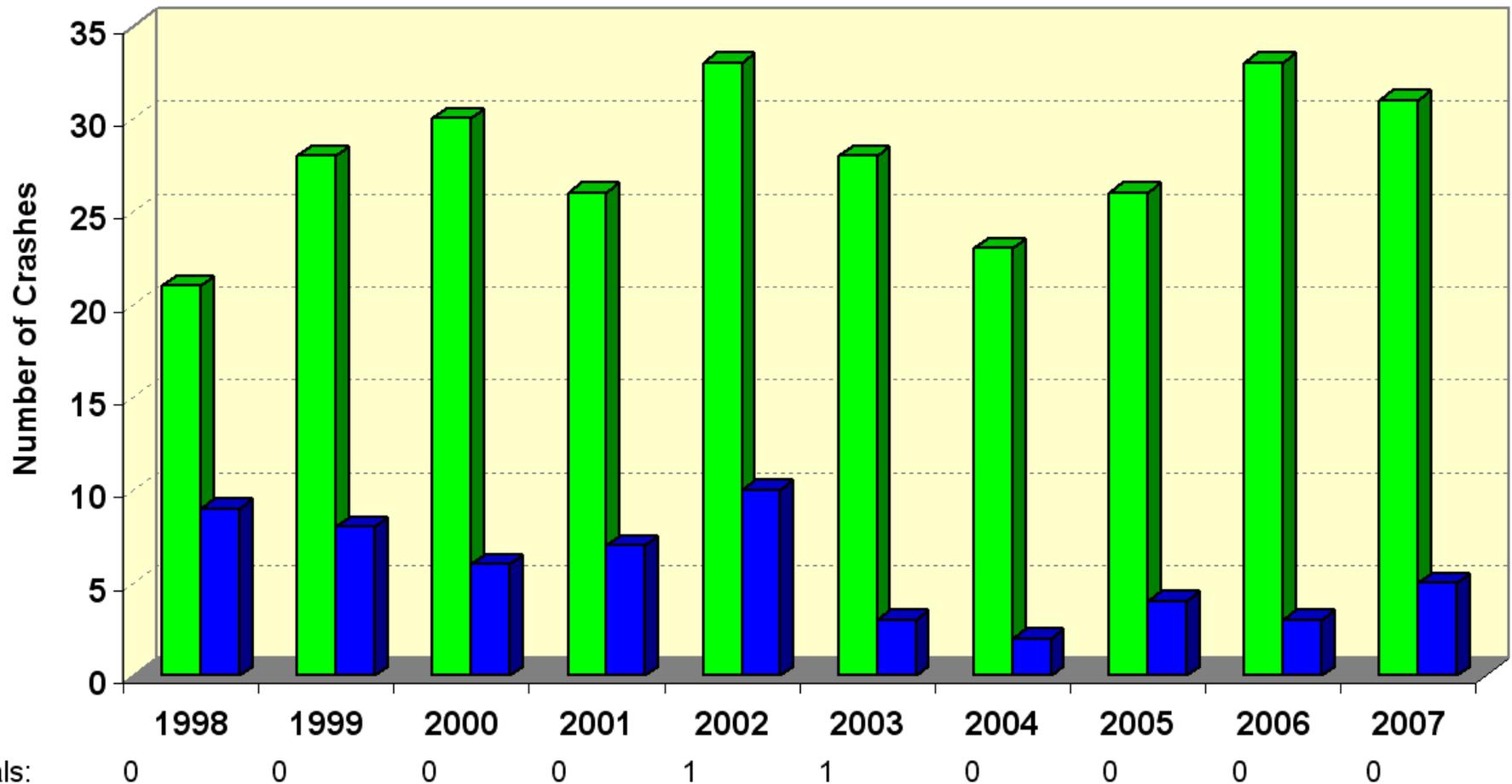
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ROAD INVENTORY AND MAPPING SECTION

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AND DOT to all Public Montana RFP 2000
Lumber Contract Code



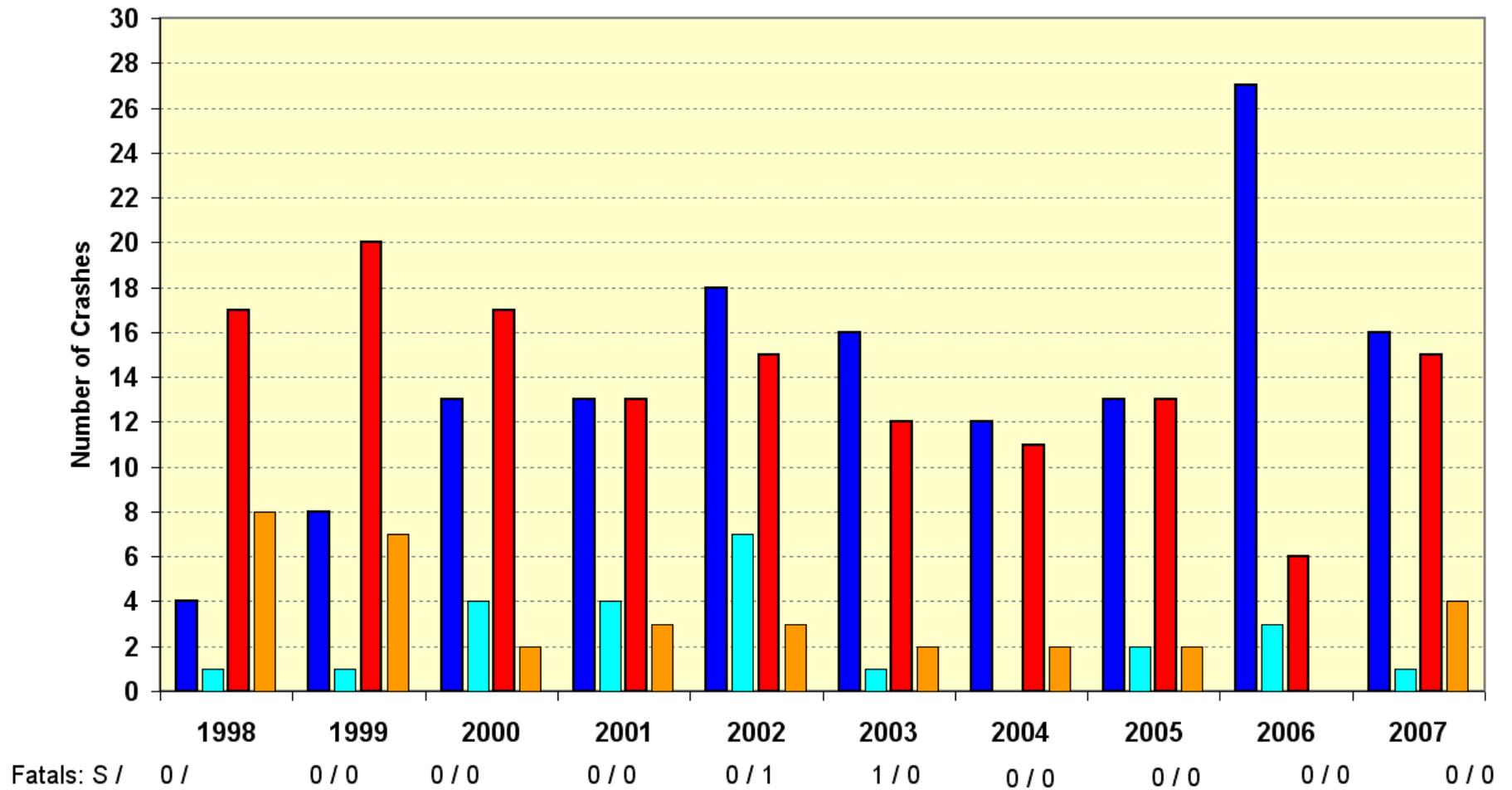
Yearly Crash Trend Comparison Green Meadow Drive 1998 - 2007

Green Meadow Drive All Crashes Green Meadow Drive Injury Crashes

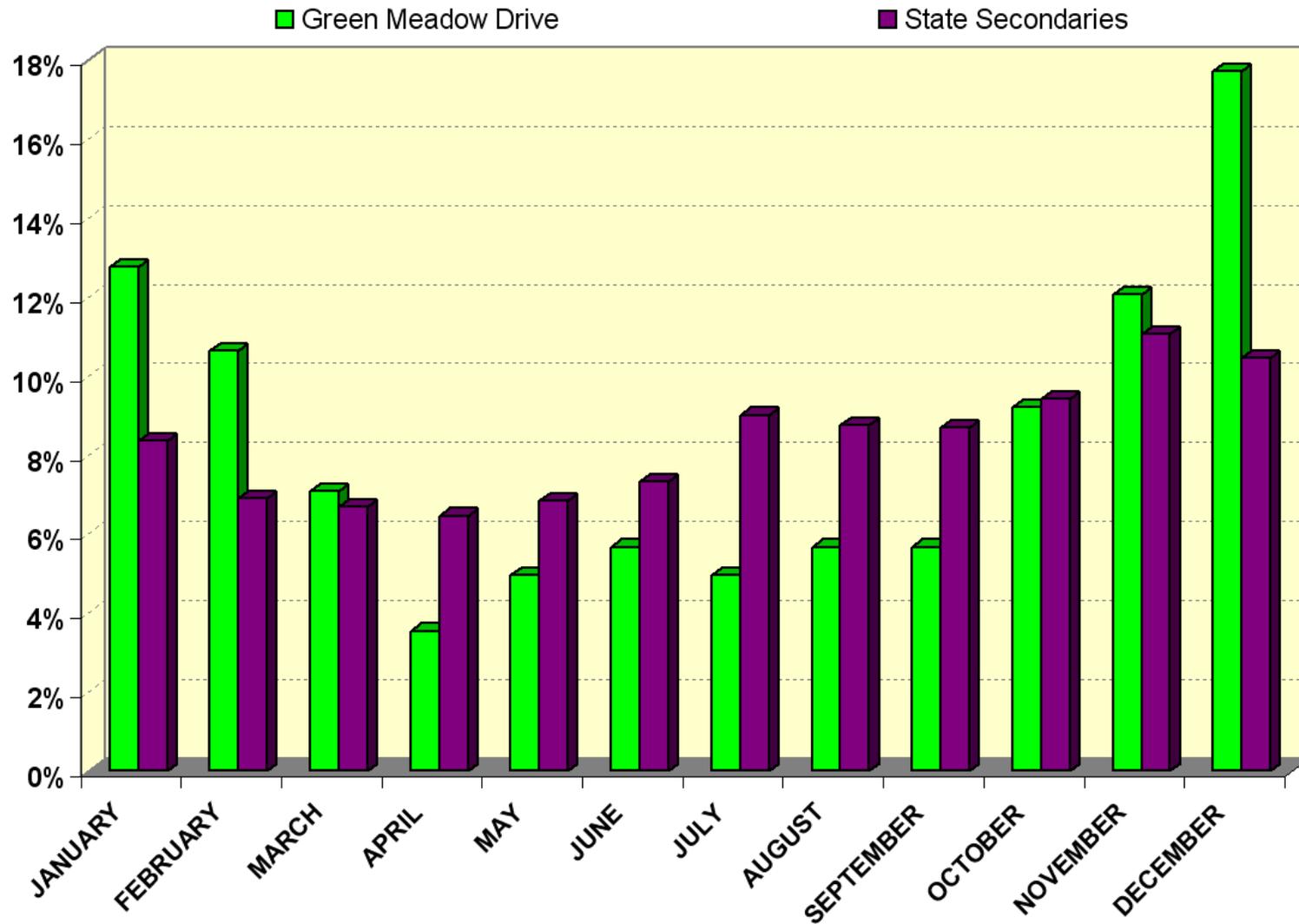


Yearly Crash Trend Comparison Green Meadow Drive North & South 1998 - 2007

■ South (40' Road Width) Reference Marker 0 - RM 3 Crashes
 ■ South (40' Road Width) Reference Marker 0 - 3 Injury Crashes
■ North (24' Road Width) RM 3 - RM 6 Crashes
 ■ North (24' Road Width) RM 3 - RM 6 Injury Crashes

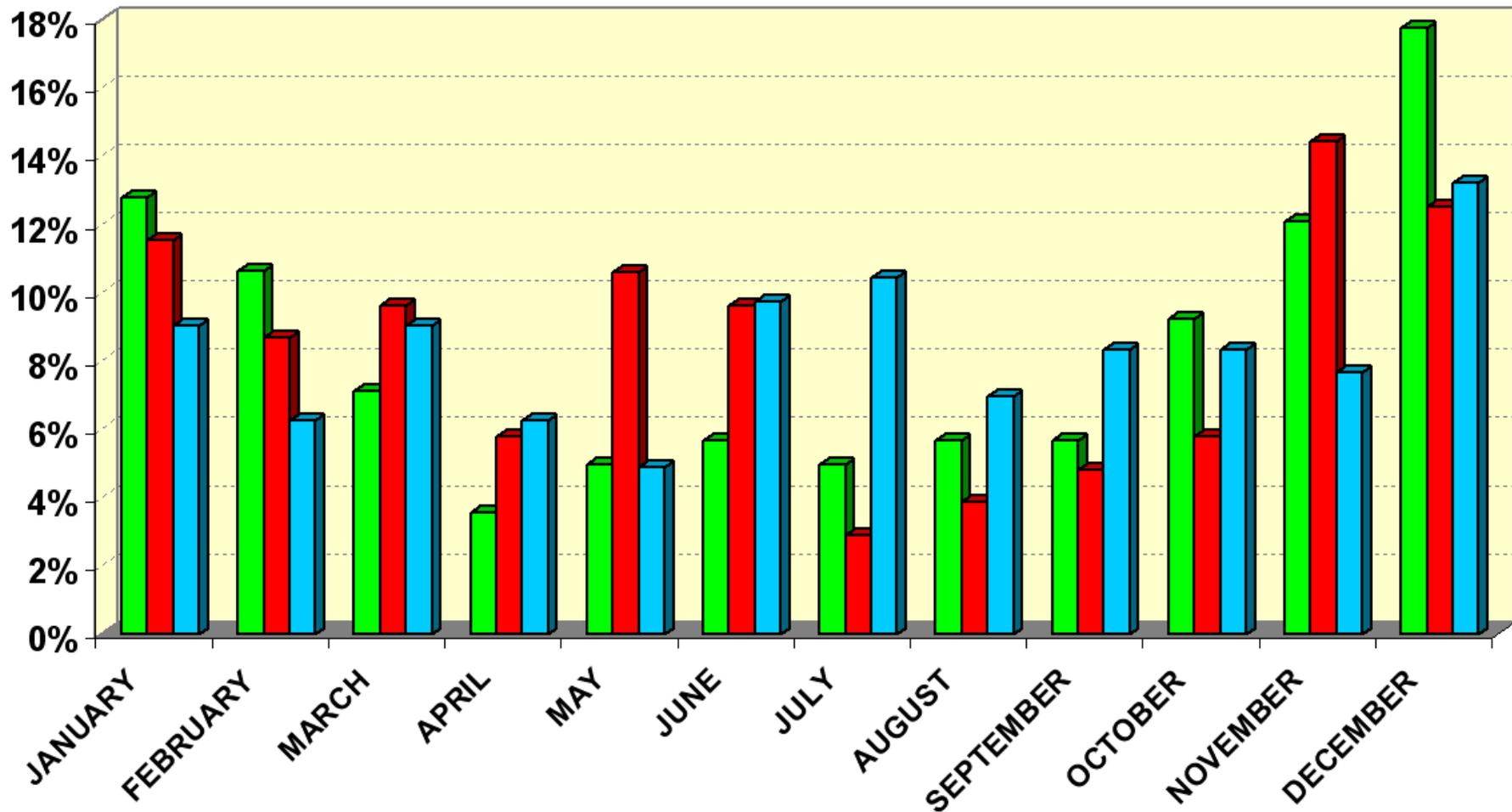


Month of Occurrence Comparison Green Meadow Drive & Statewide Secondaries 2003 - 2007

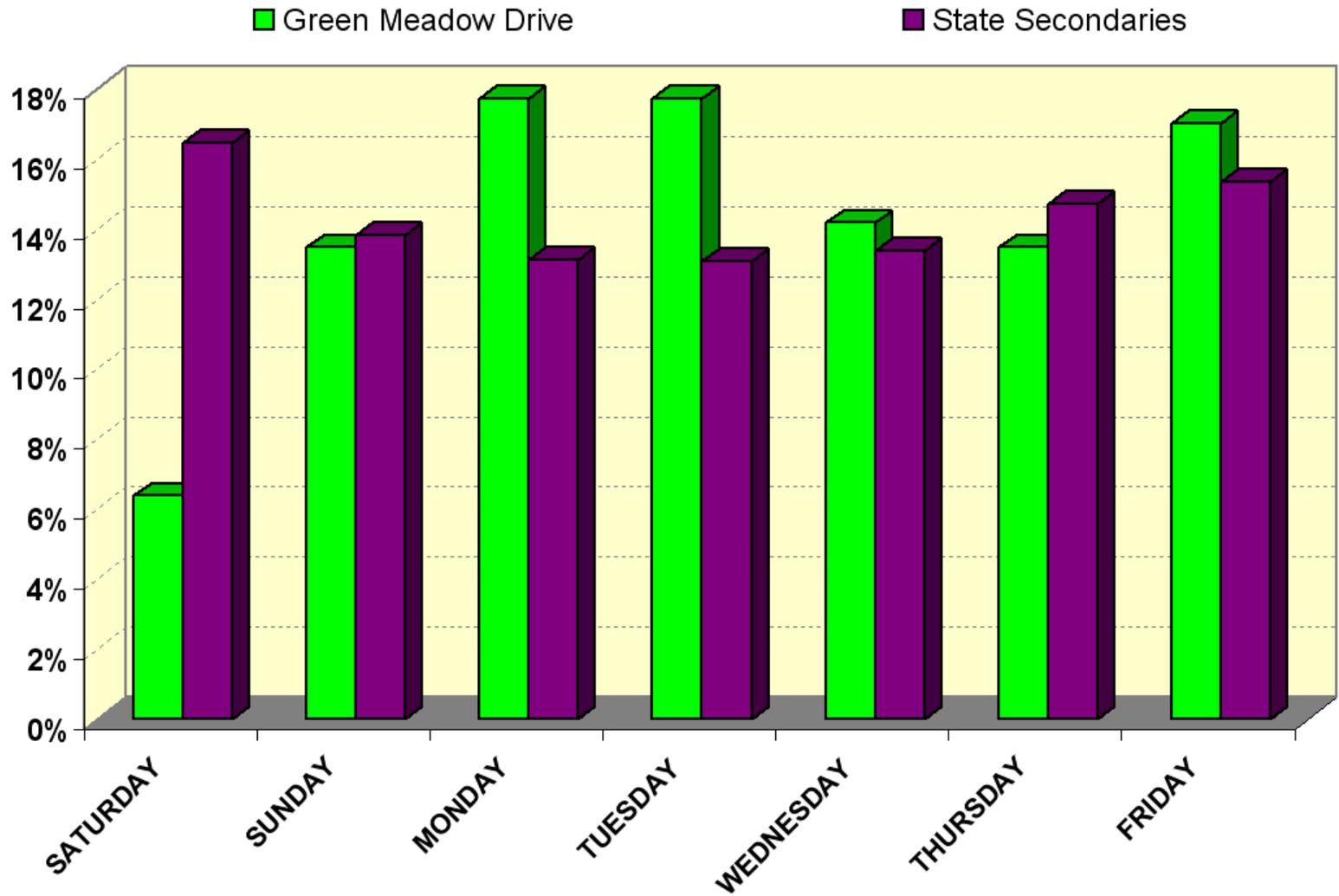


Month of Occurrence Comparison Green Meadow Dr- York Rd - Canyon Ferry Rd 2003 - 2007

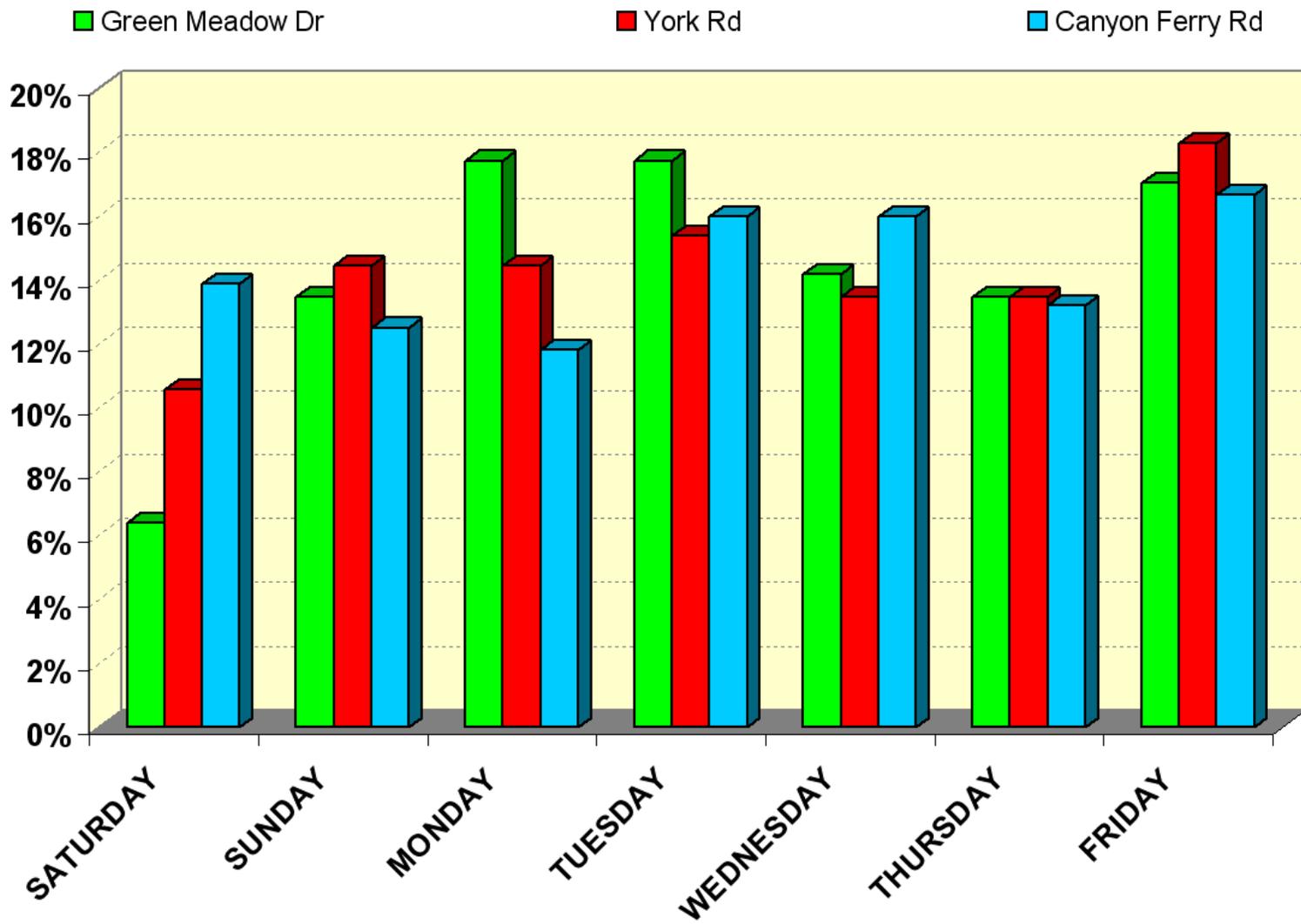
■ Green Meadow Dr
 ■ York Rd (Canyon Ferry Rd-Lake Helena Dr)
 ■ Canyon Ferry Rd (York Rd-Lake Helena Dr)



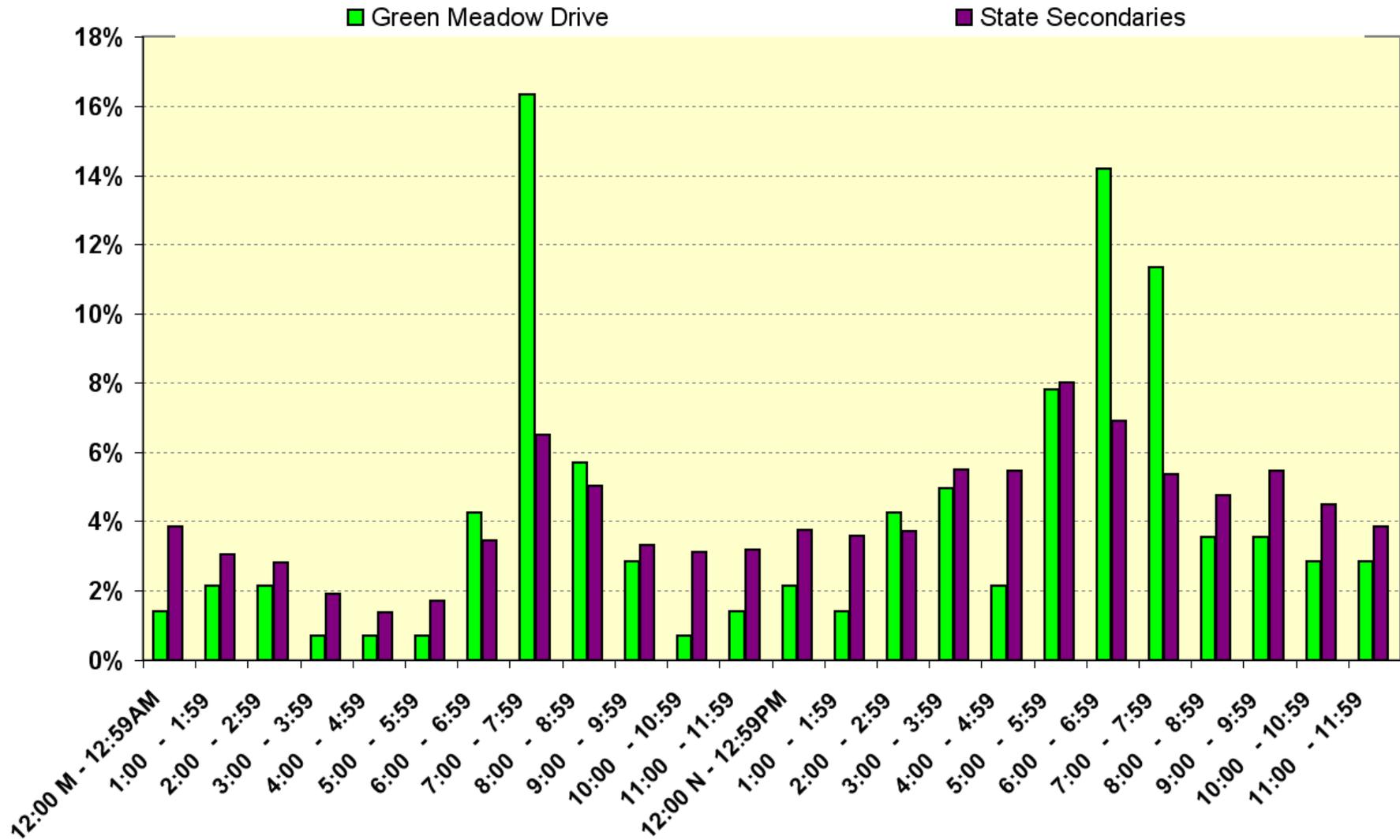
Day of the Week Comparison Green Meadow Drive & Statewide Secondaries 2003 - 2007



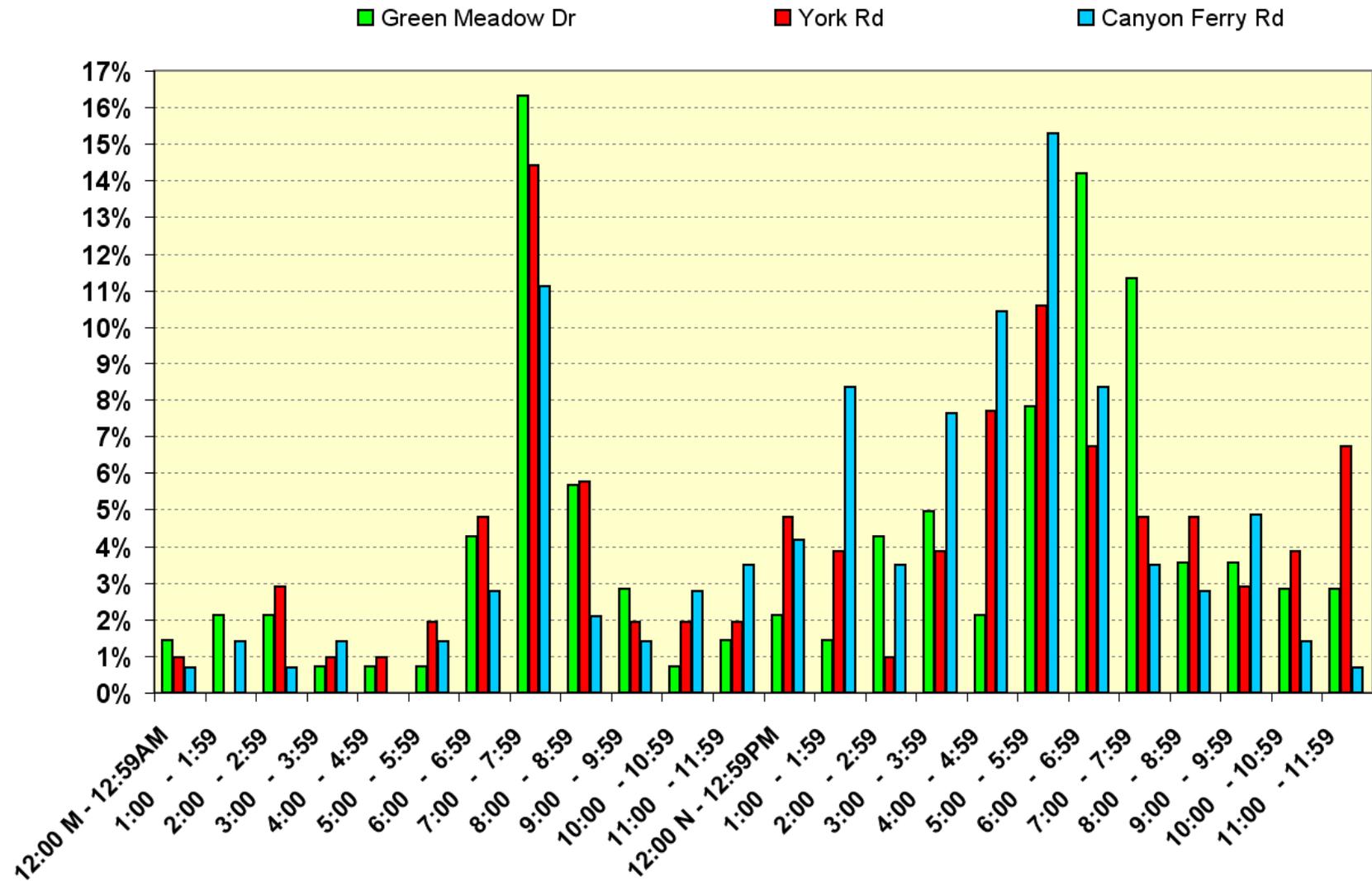
Day of the Week Comparison Green Meadow Dr- York Rd - Canyon Ferry Rd 2003 - 2007



Hour of Occurrence Comparison Green Meadow Drive & Statewide Secondaries 2003 - 2007



Hour of Occurrence Comparison Green Meadow Dr - York Rd - Canyon Ferry Rd 2003 - 2007



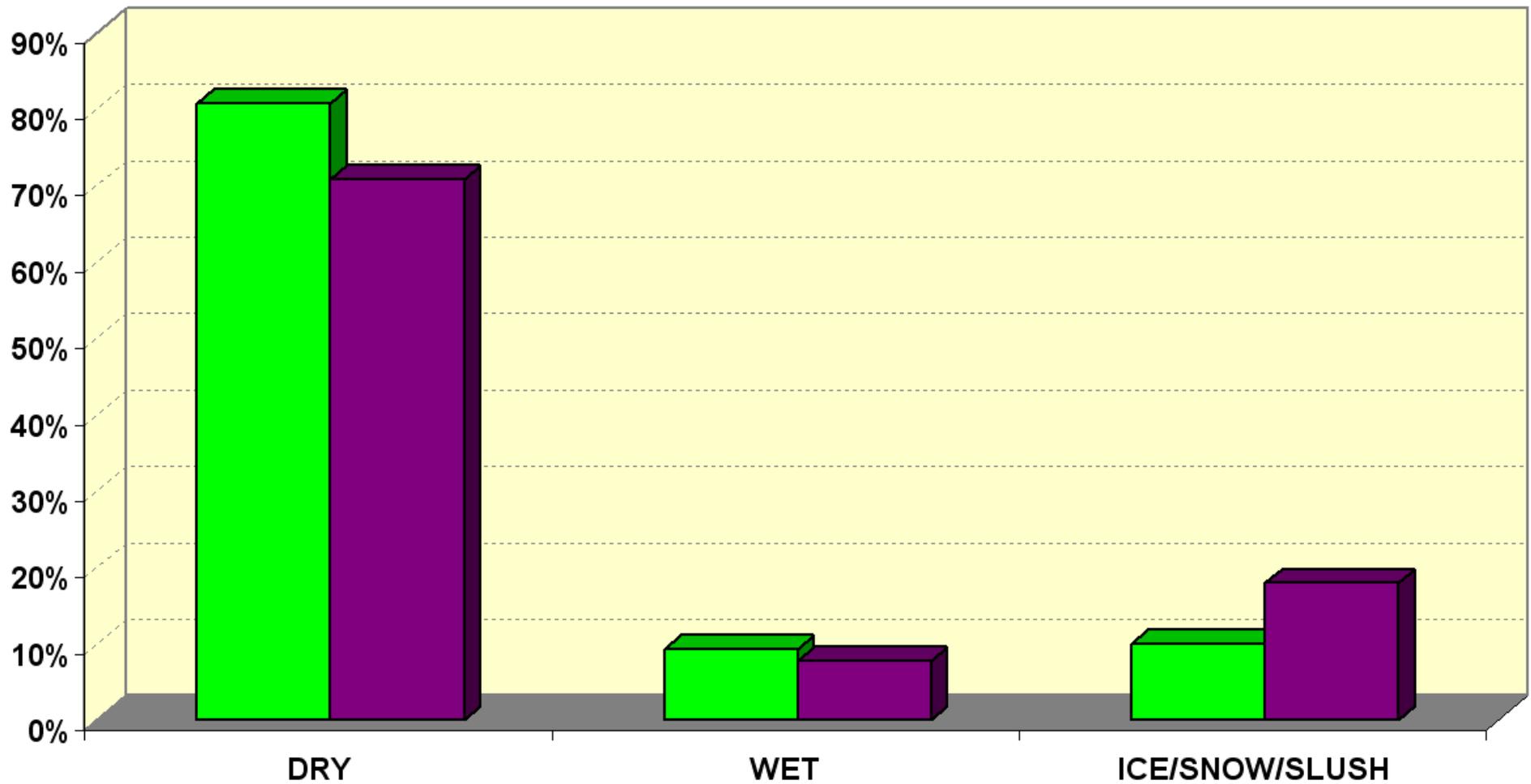
Road Conditions Comparison

Green Meadow Drive & Statewide Secondaries

2003 - 2007

■ Green Meadow Drive

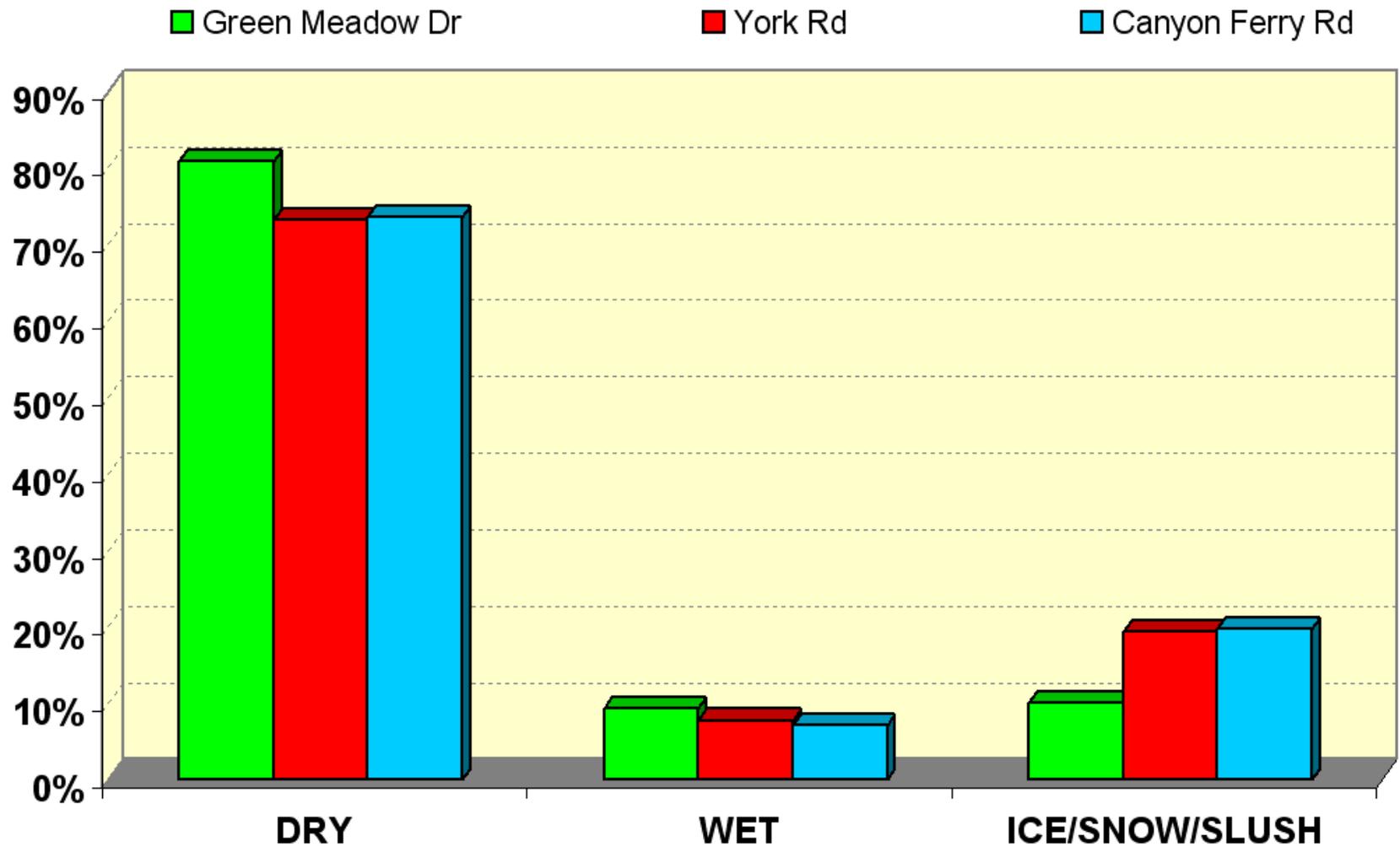
■ State Secondaries



Road Conditions Comparison

Green Meadow Dr - York Rd - Canyon Ferry Rd

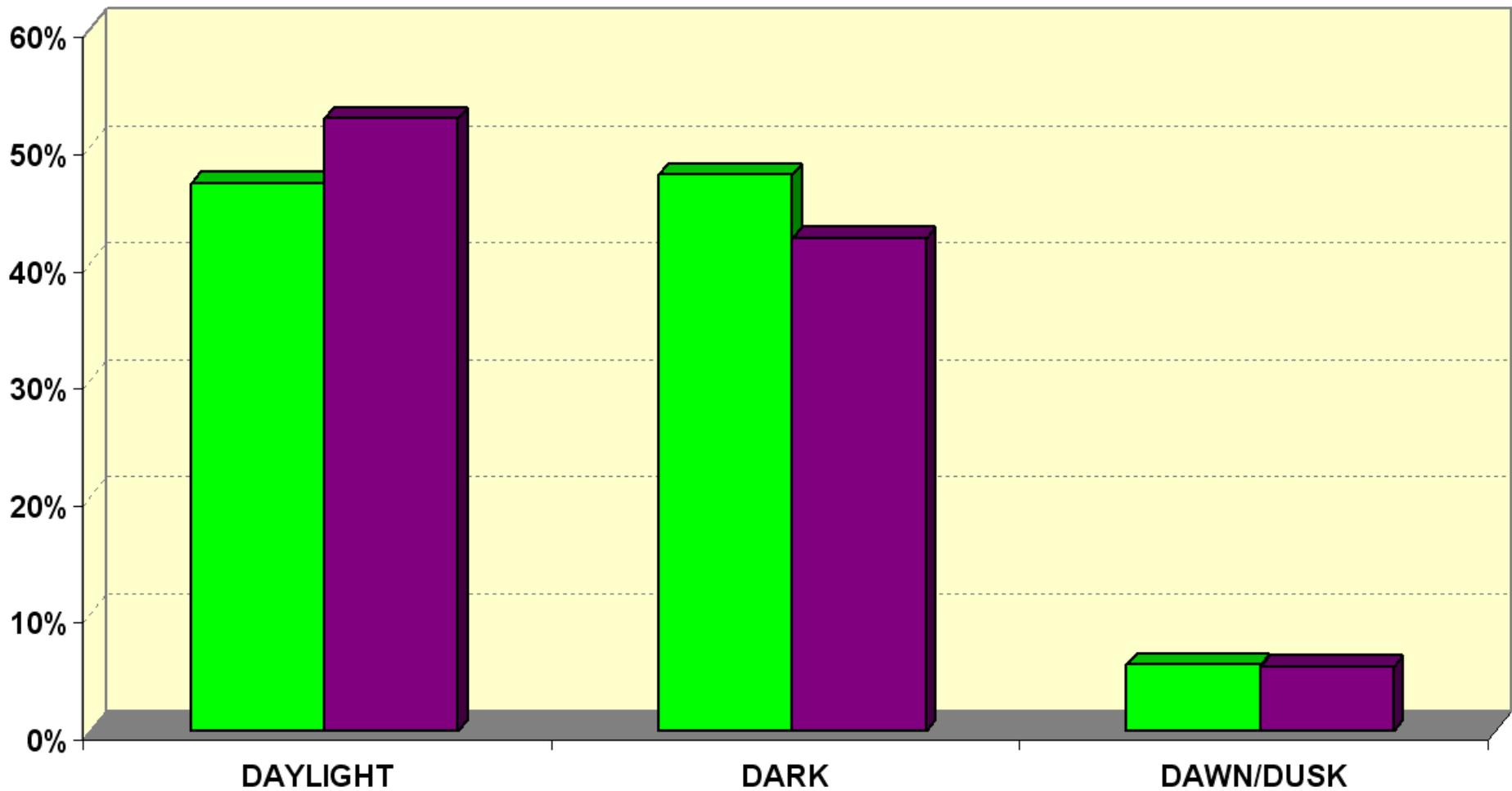
2003 - 2007



Light Conditions Comparison Green Meadow Drive & Statewide Secondaries 2003 - 2007

■ Green Meadow Drive

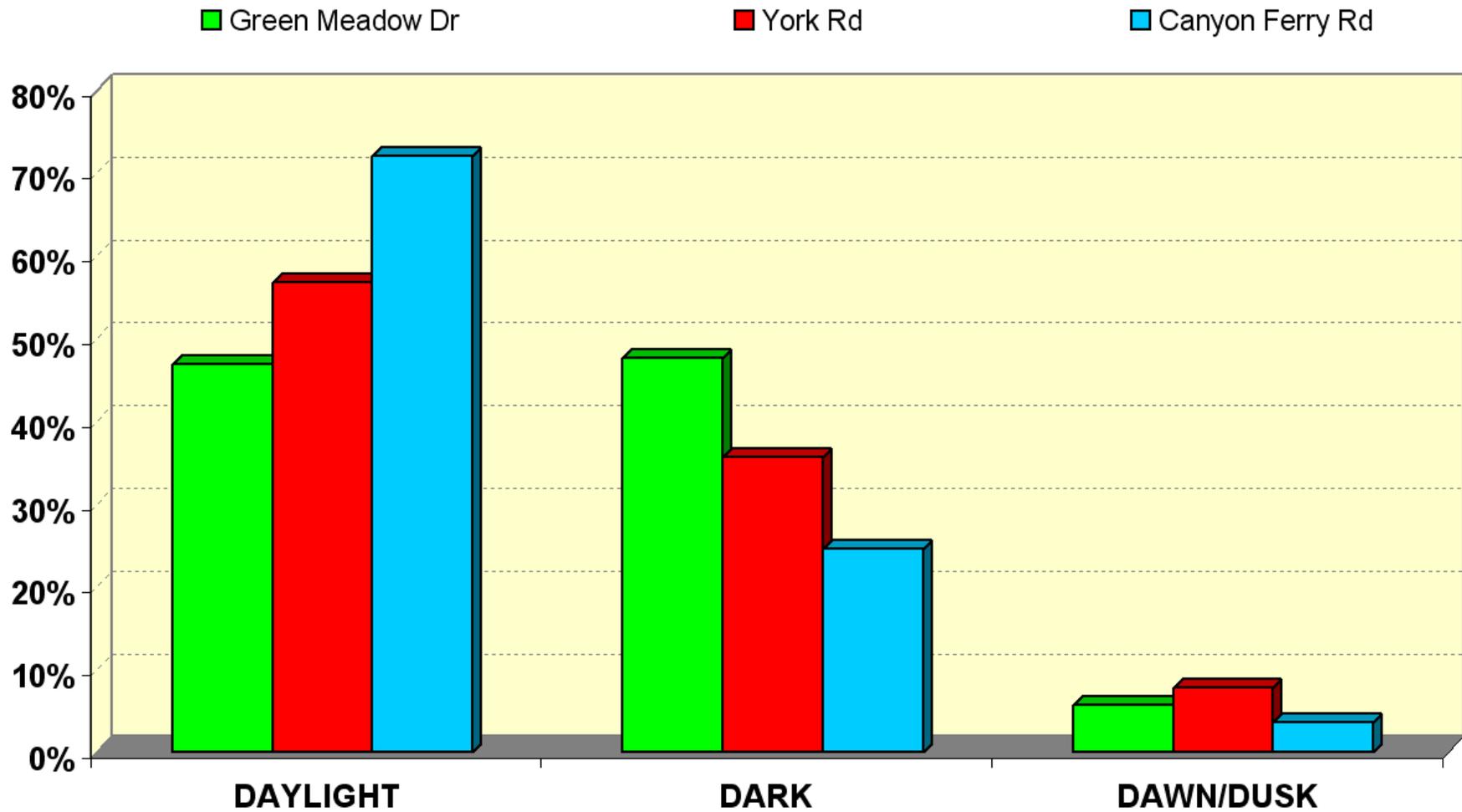
■ State Secondaries



Light Conditions Comparison

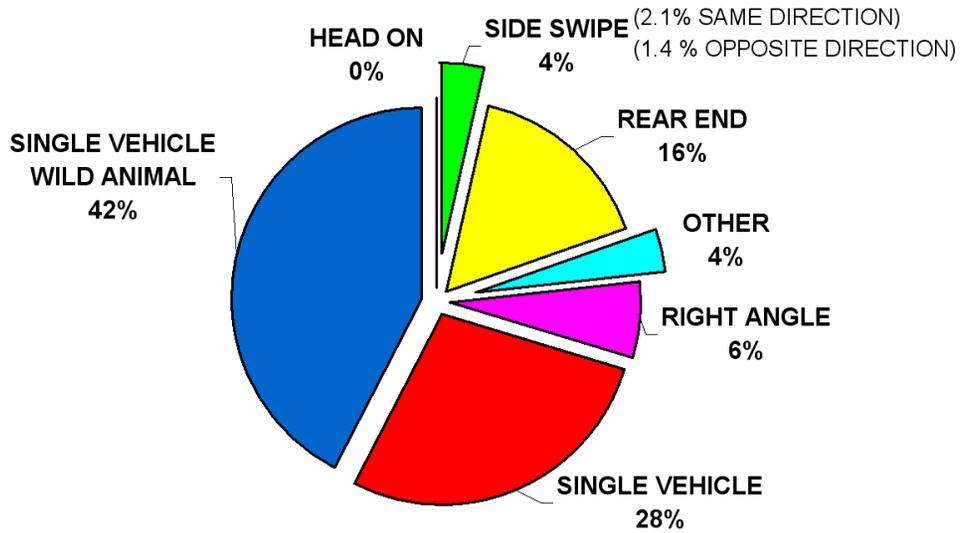
Green Meadow Drive - York Rd - Canyon Ferry Rd

2003 - 2007

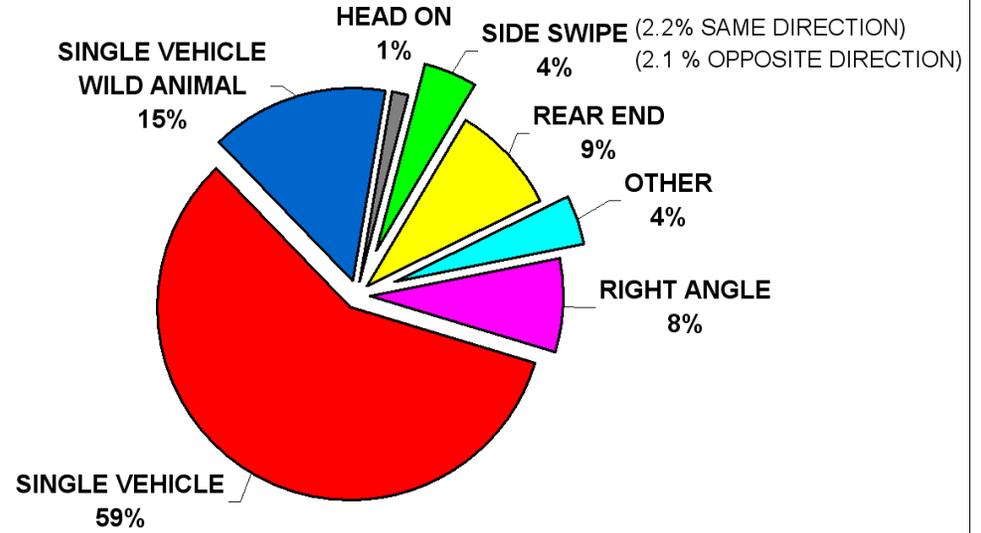


Collision Type Comparison Green Meadow Drive & Statewide Secondaries 2003 - 2007

Green Meadow Drive



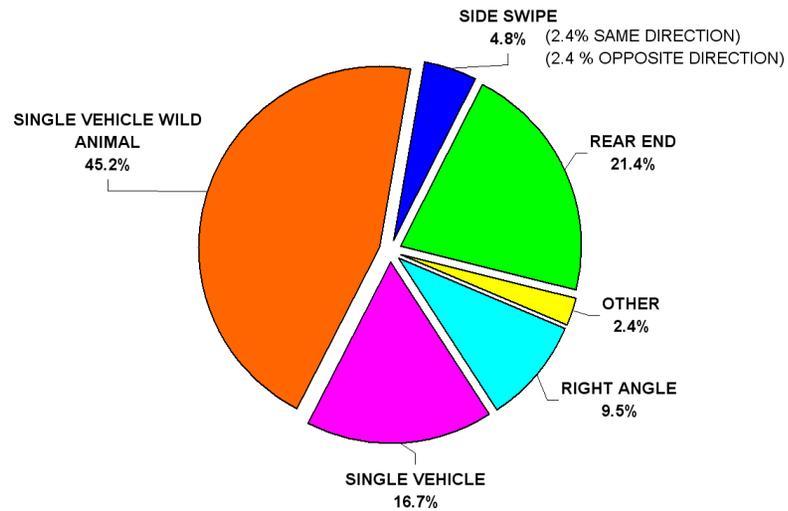
State Secondaries



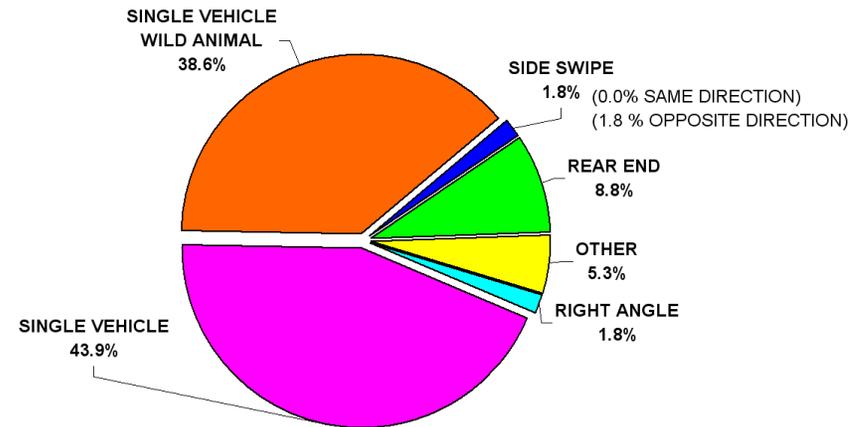
* NOT RECORDED ON ALL REPORTS

Collision Type Comparison Green Meadow Drive North & South 2003 - 2007

South (40' Road Width) RP 0.0 - RP 3.036



North (24' Road Width) RP 3.067 - RP 6.189

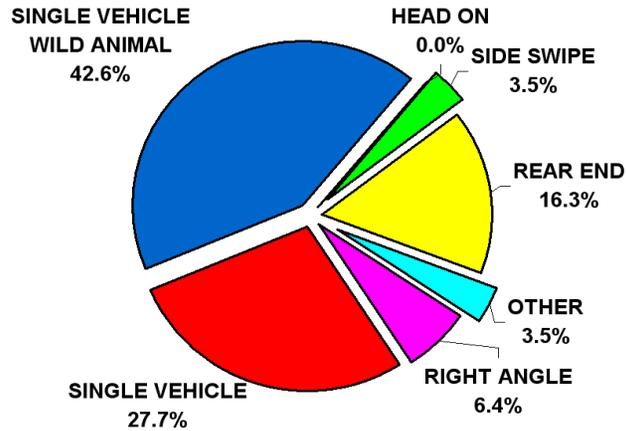


Collision Type Comparison

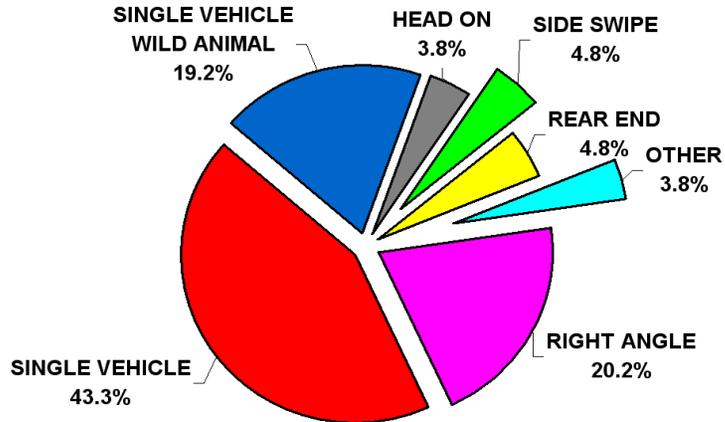
Green Meadow Dr - York Rd - Canyon Ferry Rd

2003 - 2007

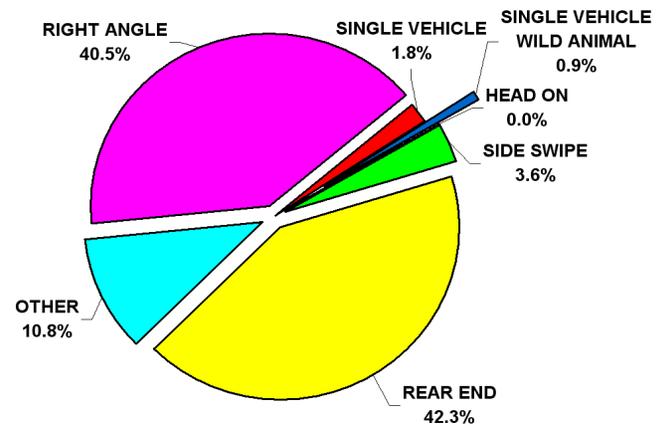
Green Meadow Dr



York Rd



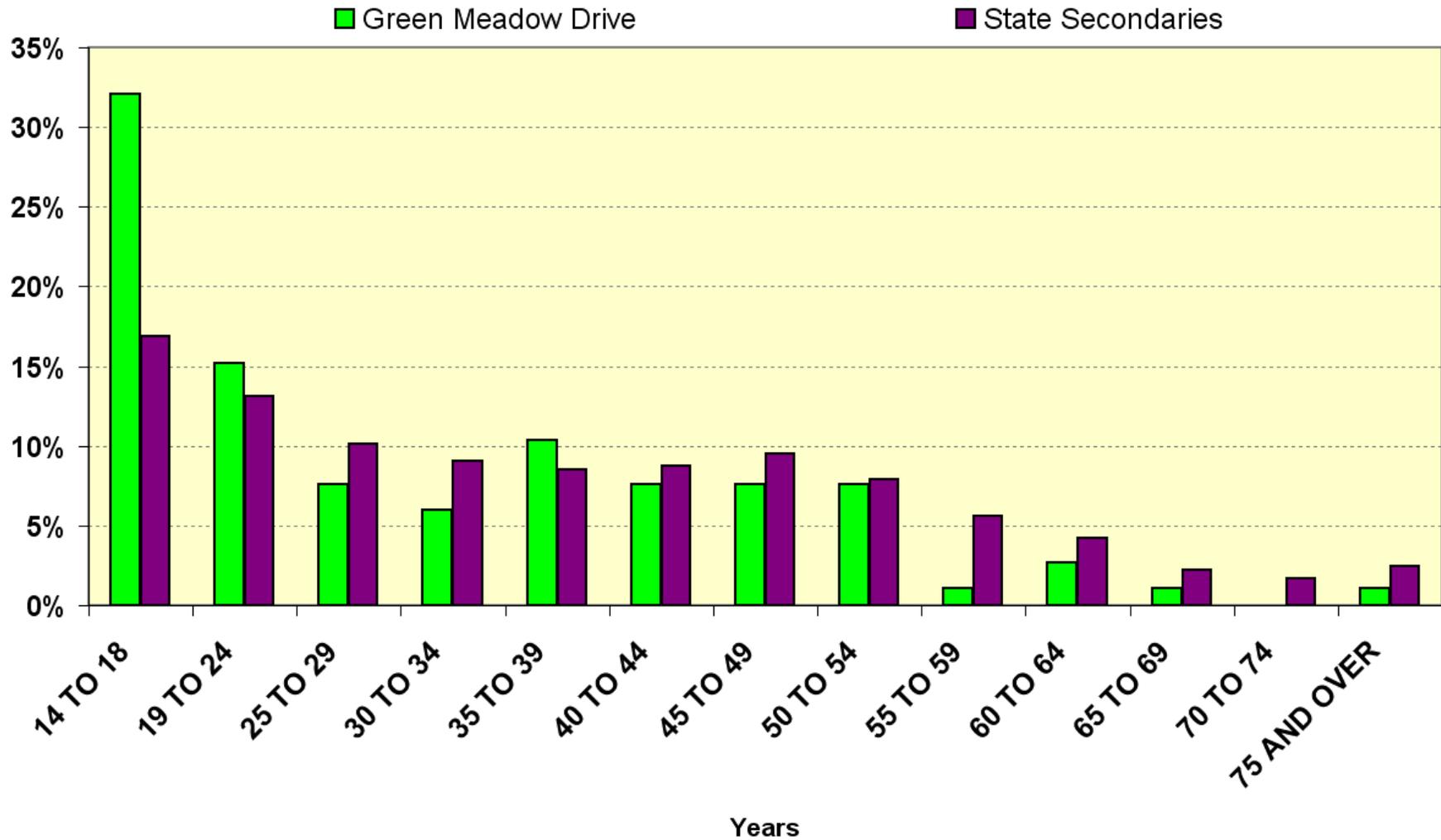
Canyon Ferry Rd



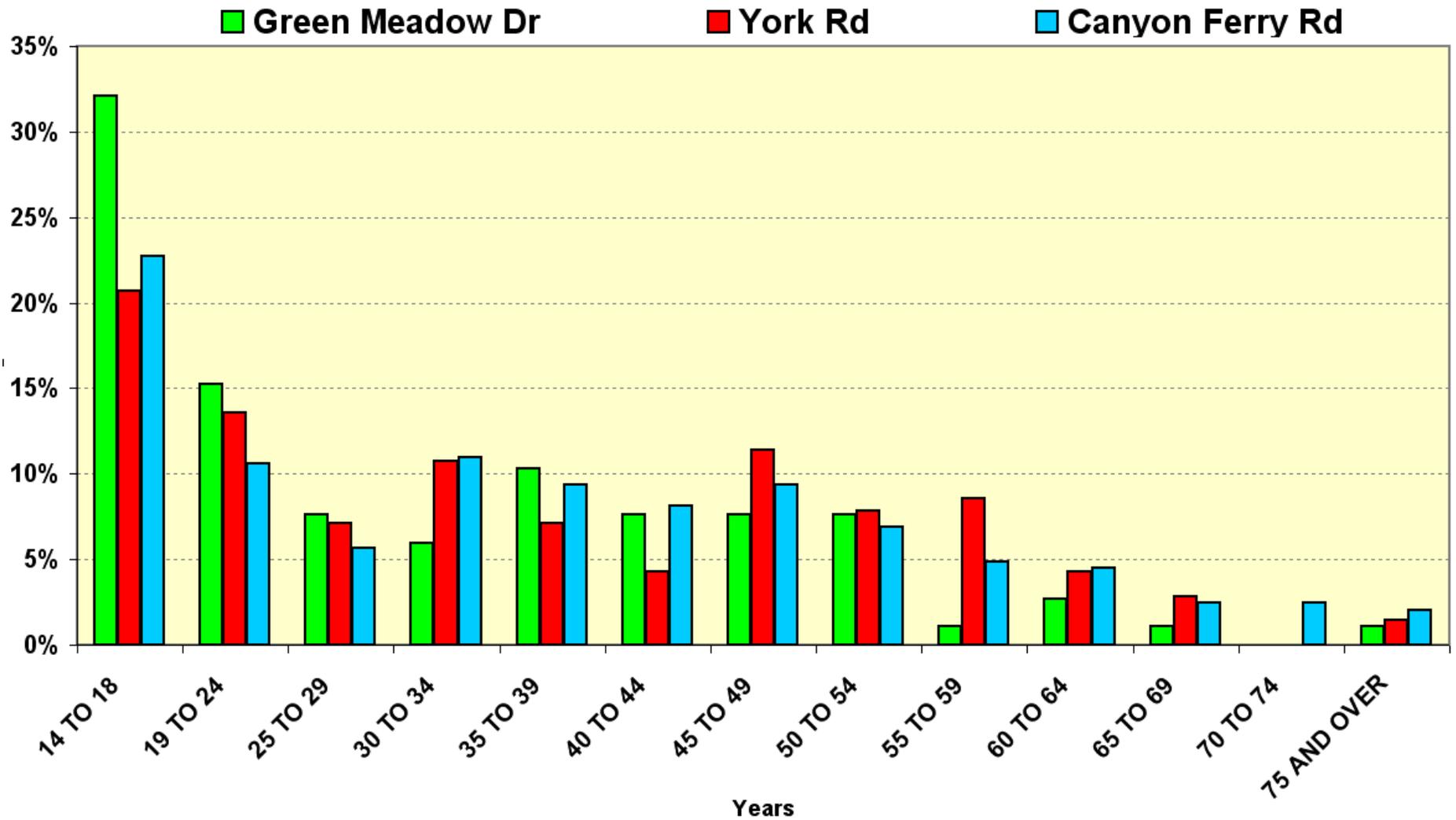
Age of Driver Comparison

Green Meadow Drive & Statewide Secondary Crashes

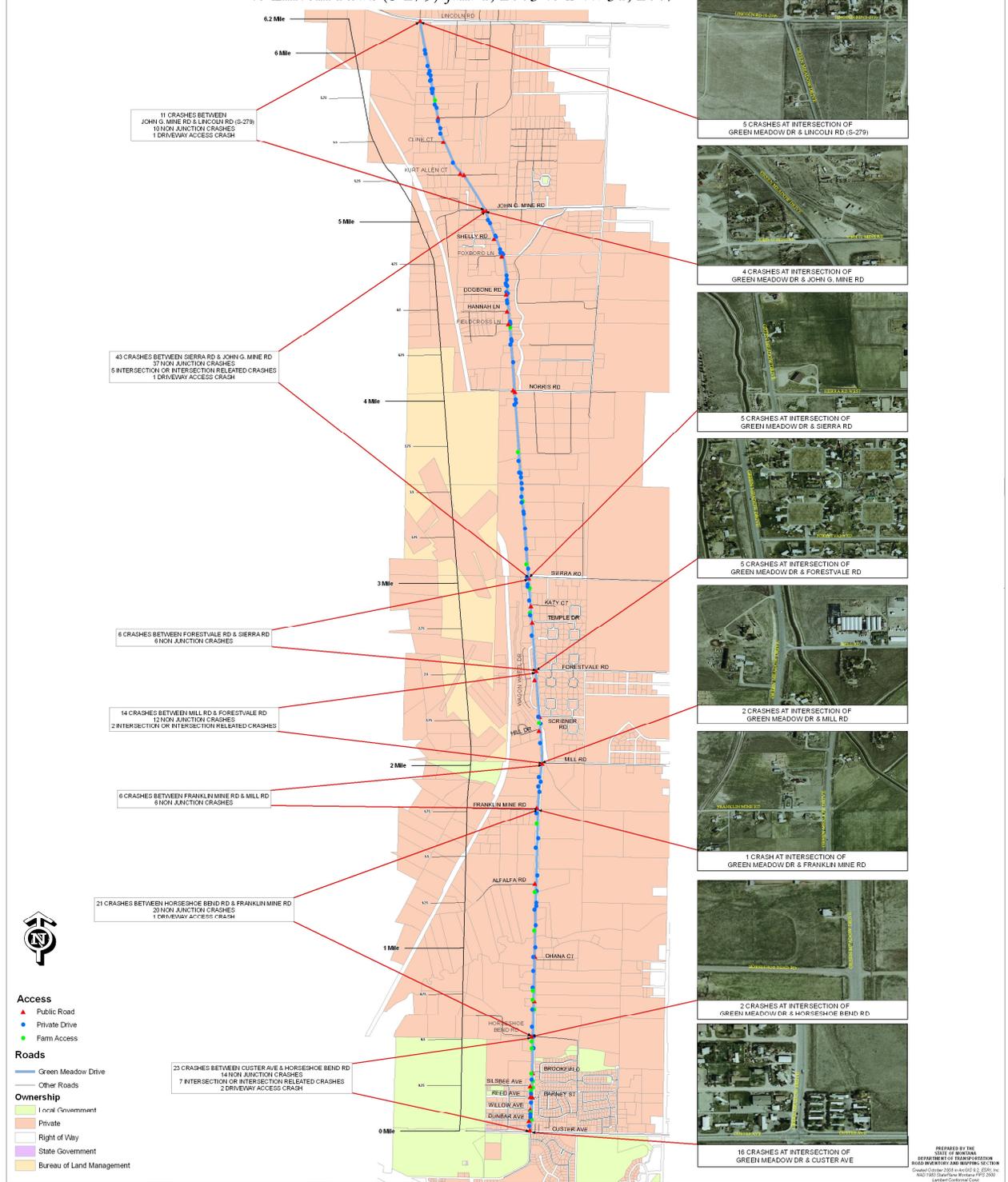
2003 - 2007



Age of Driver Comparison Green Meadow Dr - York Rd - Canyon Ferry Rd Crashes 2003 - 2007



Green Meadow Drive (S-231) Crashes From Custer Ave. to Lincoln Road (S-279) Jan. 1, 2003 to Dec. 31, 2007



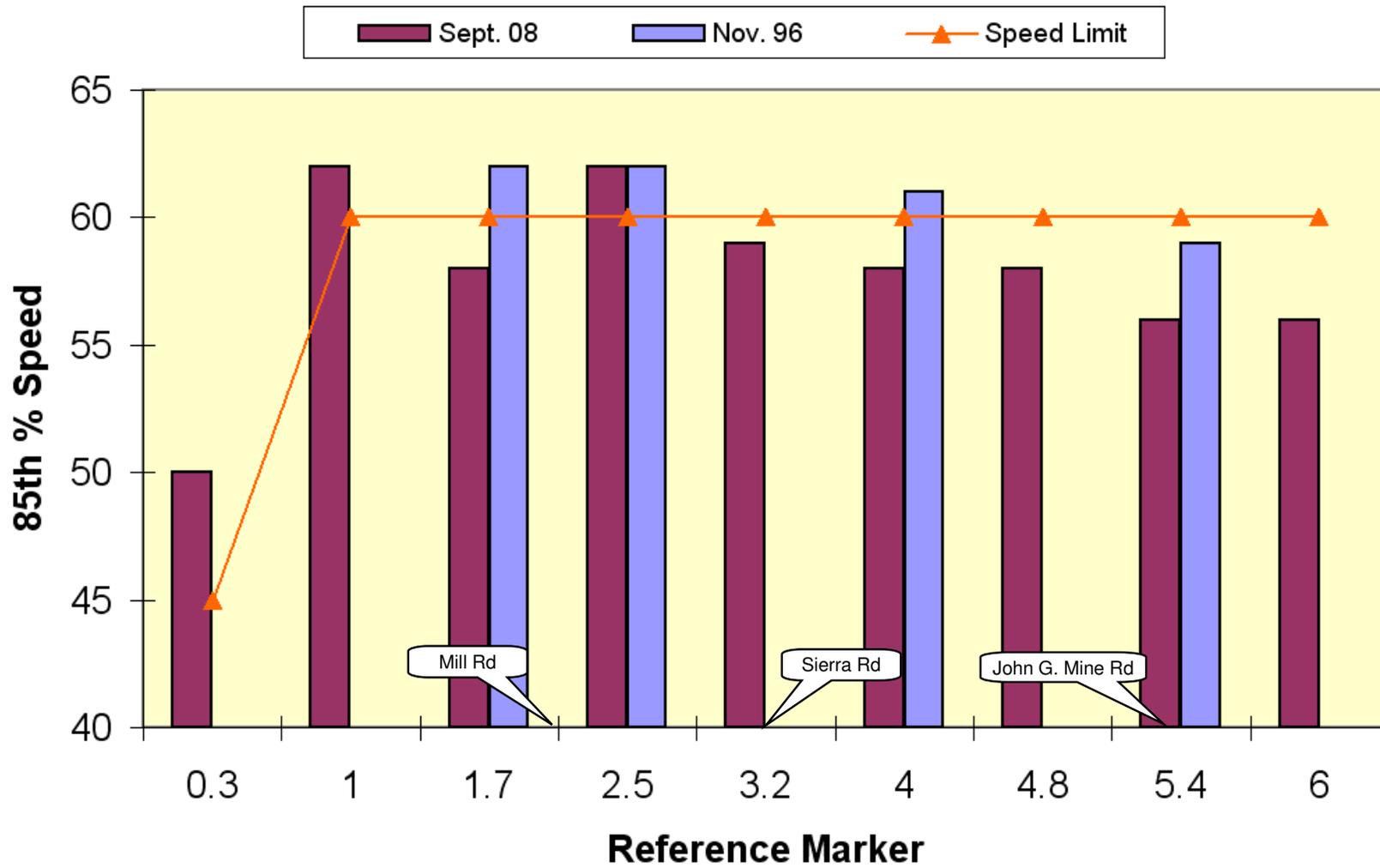
PREPARED BY THE
 OFFICE OF HIGHWAYS
 DEPARTMENT OF TRANSPORTATION
 ROAD IMPROVEMENT AND MAINTENANCE SECTION
 Greater Colorado Road & Infrastructure Fund, E-2007-001
 10/27/08 (Replaces Version 10/07-000)
 Lambert Conference Center

Speed Limits

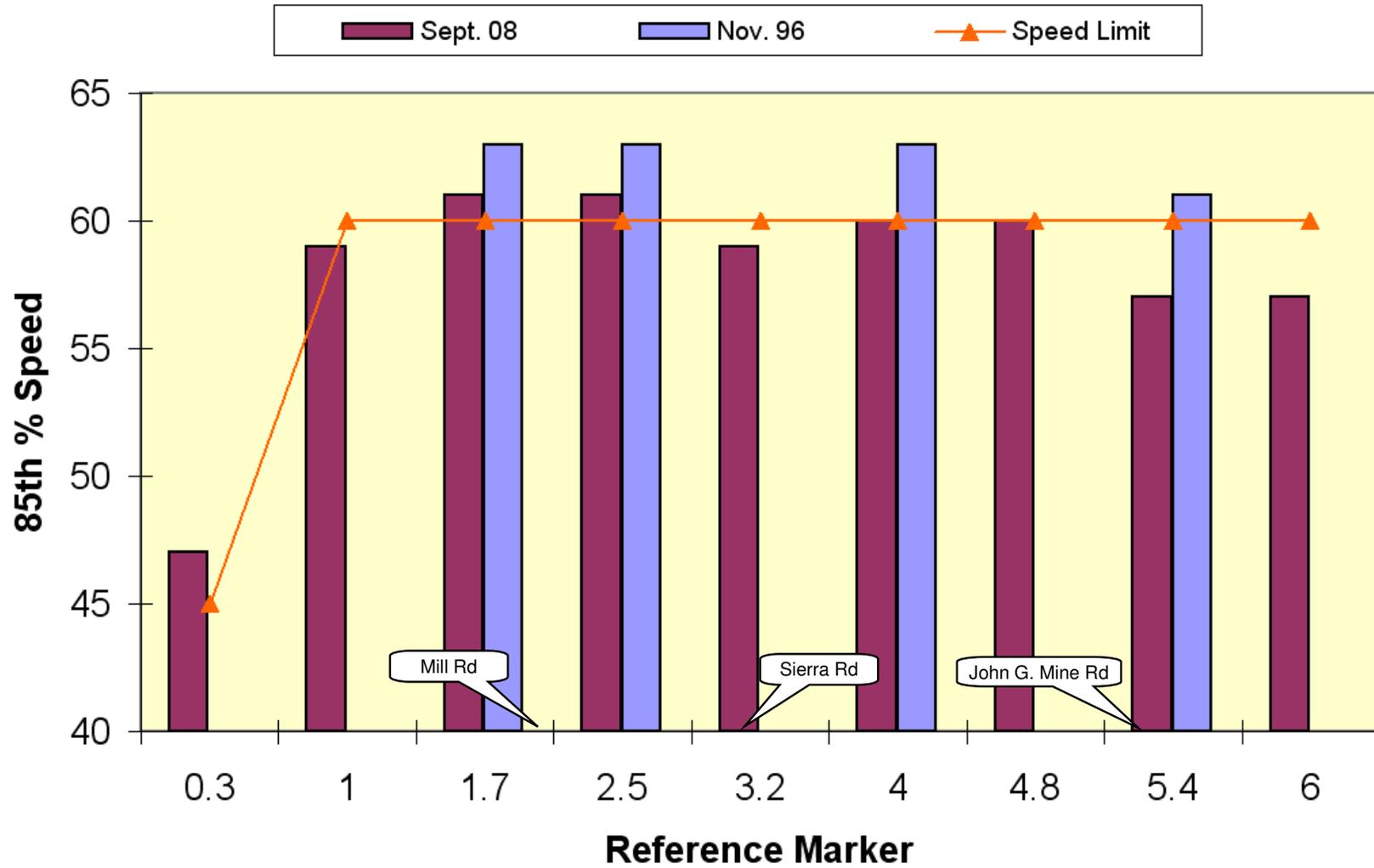
61-8-309. Establishment of special speed zones.

(1) (a) If the commission determines upon the basis of an engineering and traffic investigation that a speed limit set by 61-8-303 is greater or less than is reasonable or safe under the conditions found to exist at an intersection, curve, or dangerous location.....may set a reasonable and safe special speed limit at that location.

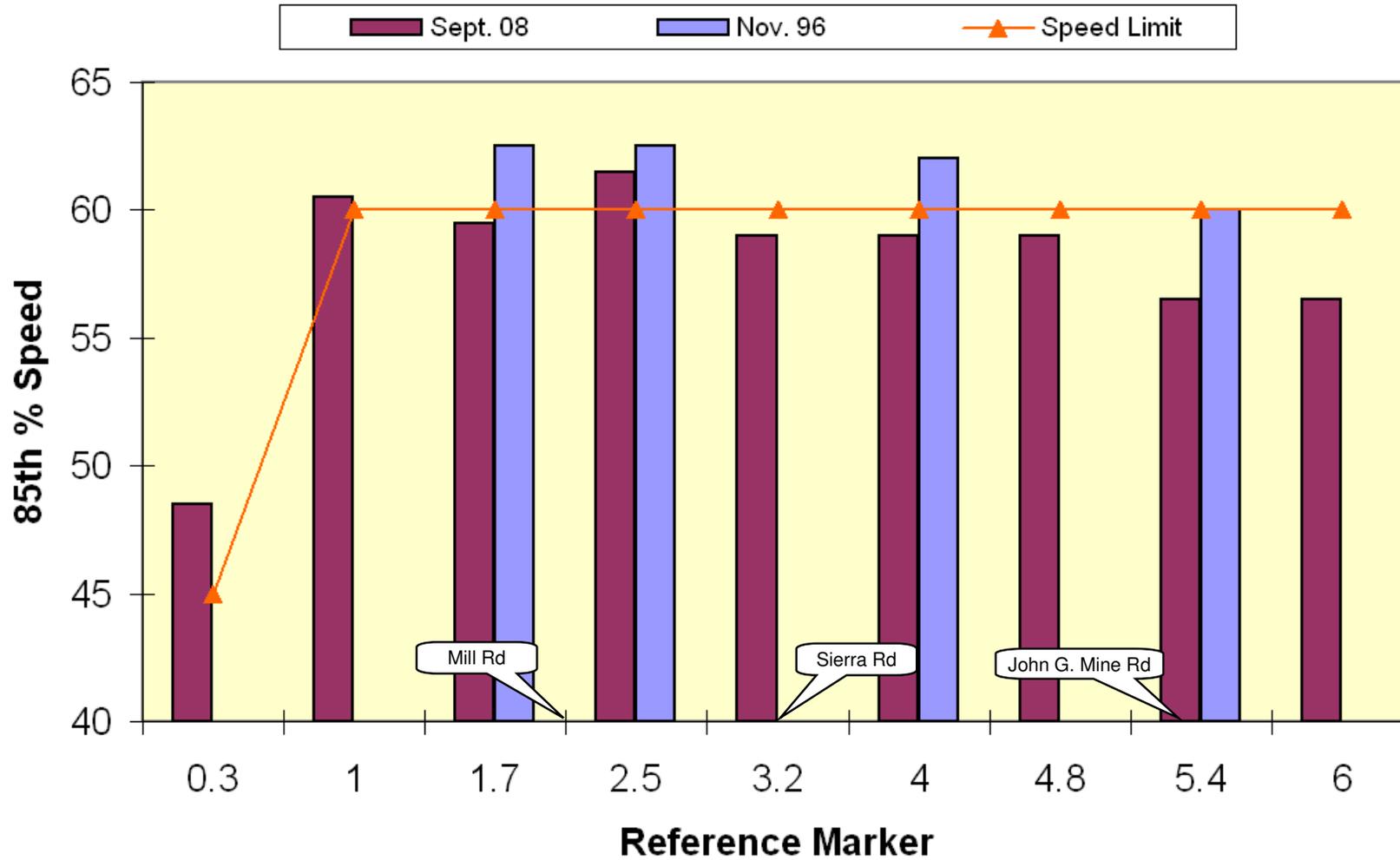
Green Meadow Drive - North Bound Speed Comparison



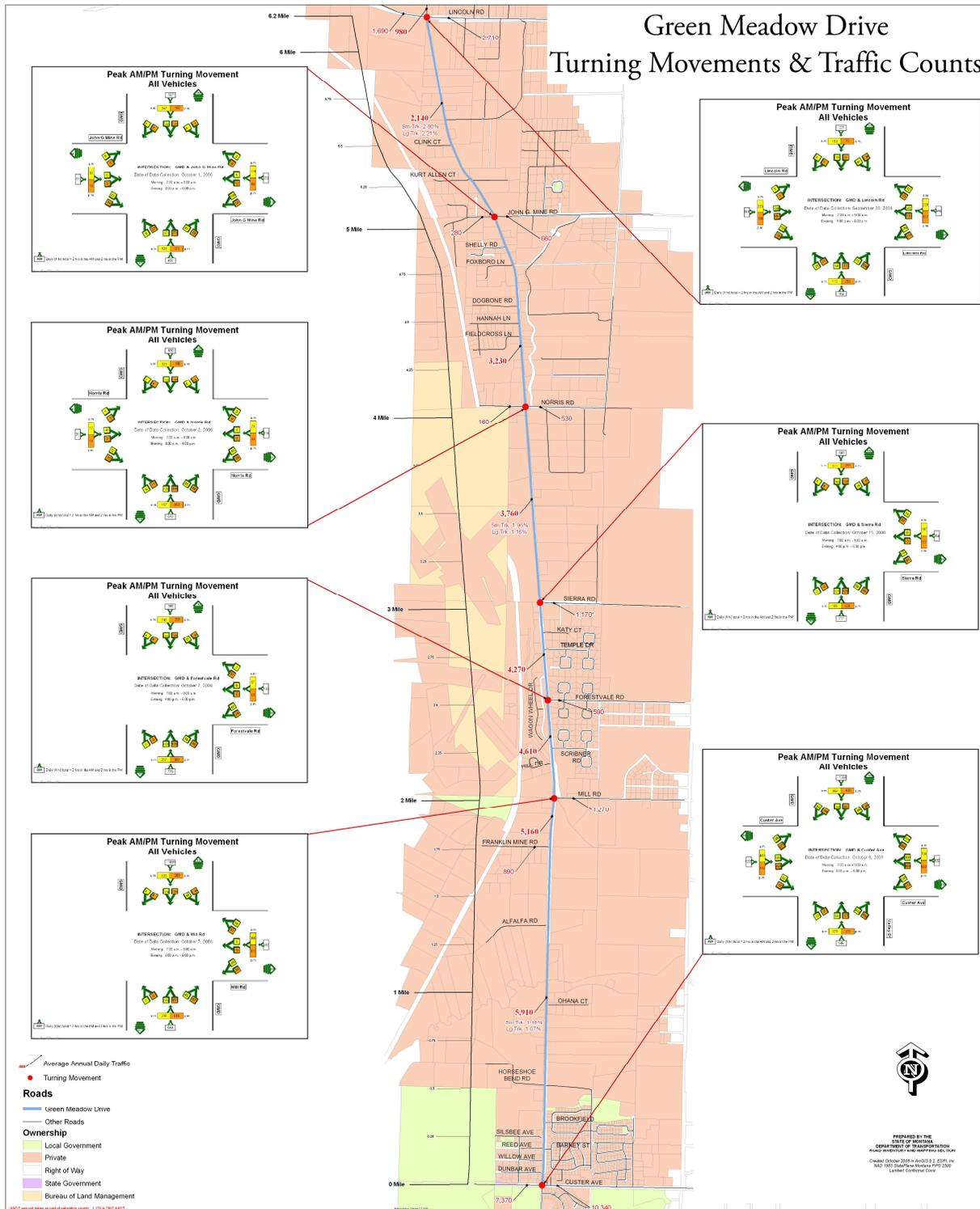
Green Meadow Drive - South Bound Speed Comparison



Green Meadow Drive - North & South Bound Combined Speed Comparison



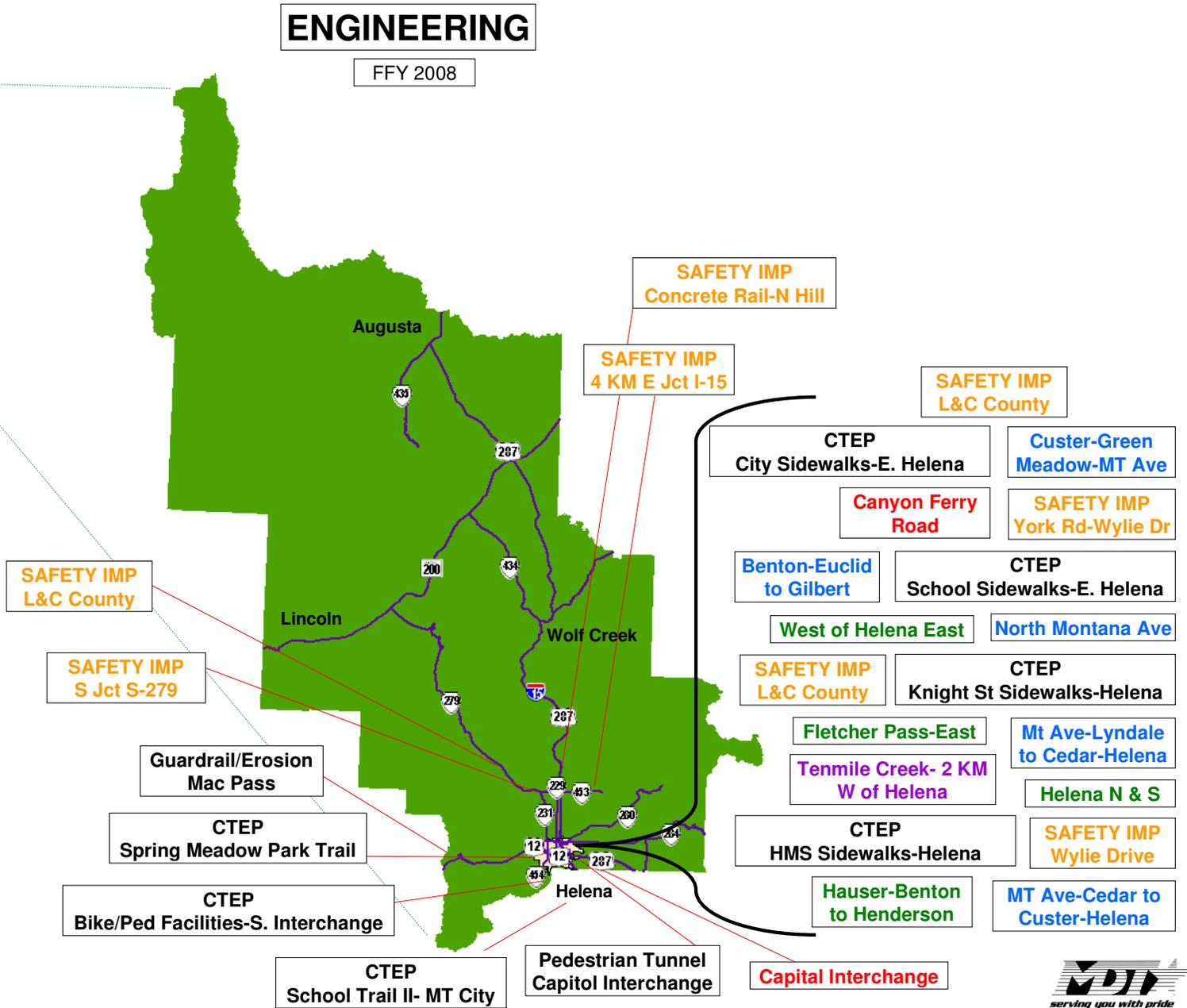
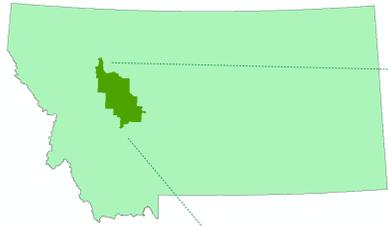
Green Meadow Drive Turning Movements & Traffic Counts



LEWIS & CLARK COUNTY SAFETY INITIATIVES

ENGINEERING

FFY 2008



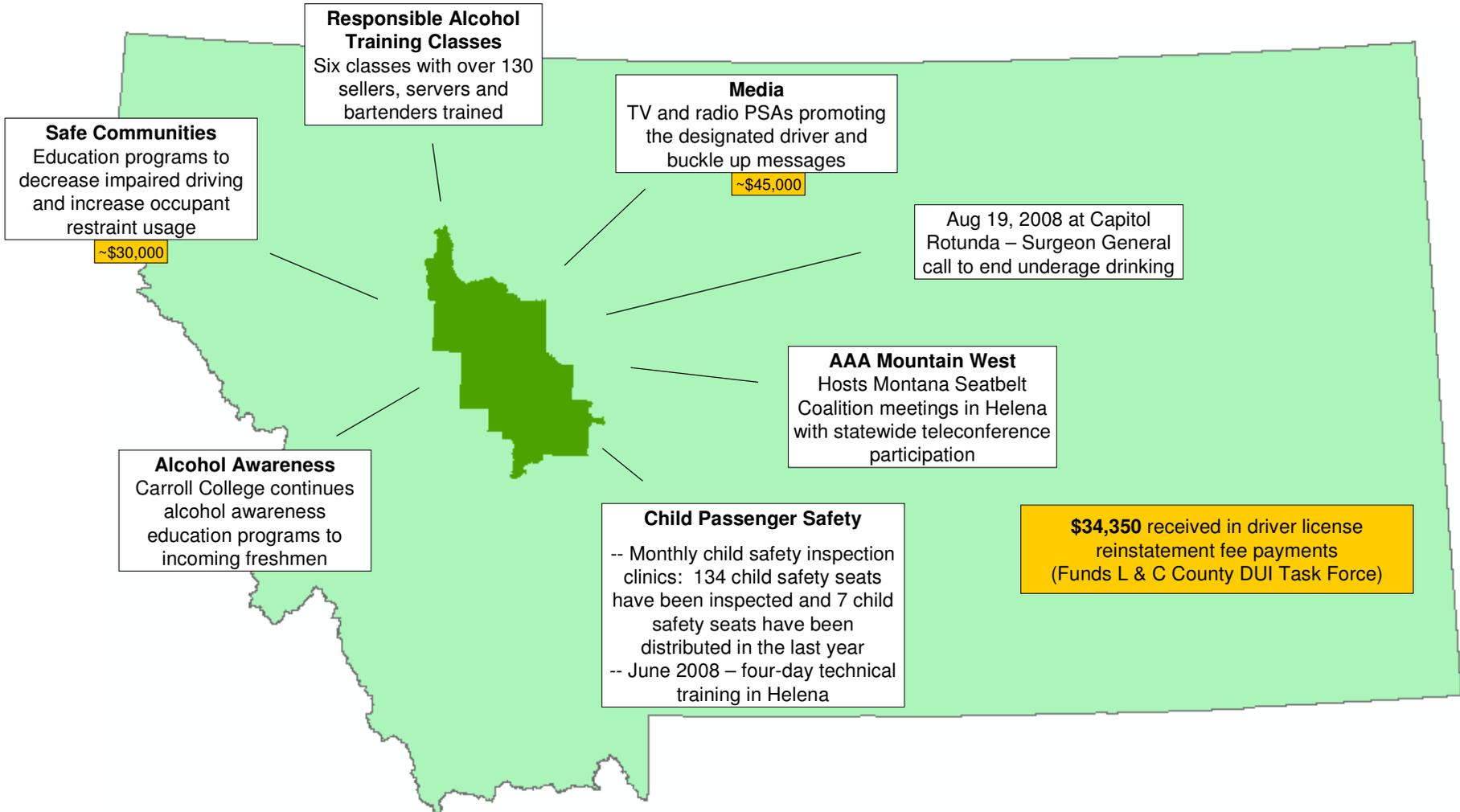
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NAD 1983 StatePlane Montana FIPS 2500
Lambert Conformal Conic



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EDUCATION

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Windshield Obstructions

Montana Code Annotated:

61-9-405: Windshields required, exception -- unobstructed and equipped with wipers -- window tinting and sunscreening -- restrictions -- exemptions.

2) A person may not drive a motor vehicle with:

(a) a sign, poster, substance, or other nontransparent material upon the front windshield, side wings, or side or rear windows of the vehicle that materially obstructs, obscures, or impairs the driver's clear view of the highway or an intersecting highway; or

(b) a windshield that is shattered or in such a defective condition that it materially impairs or obstructs the driver's clear view.







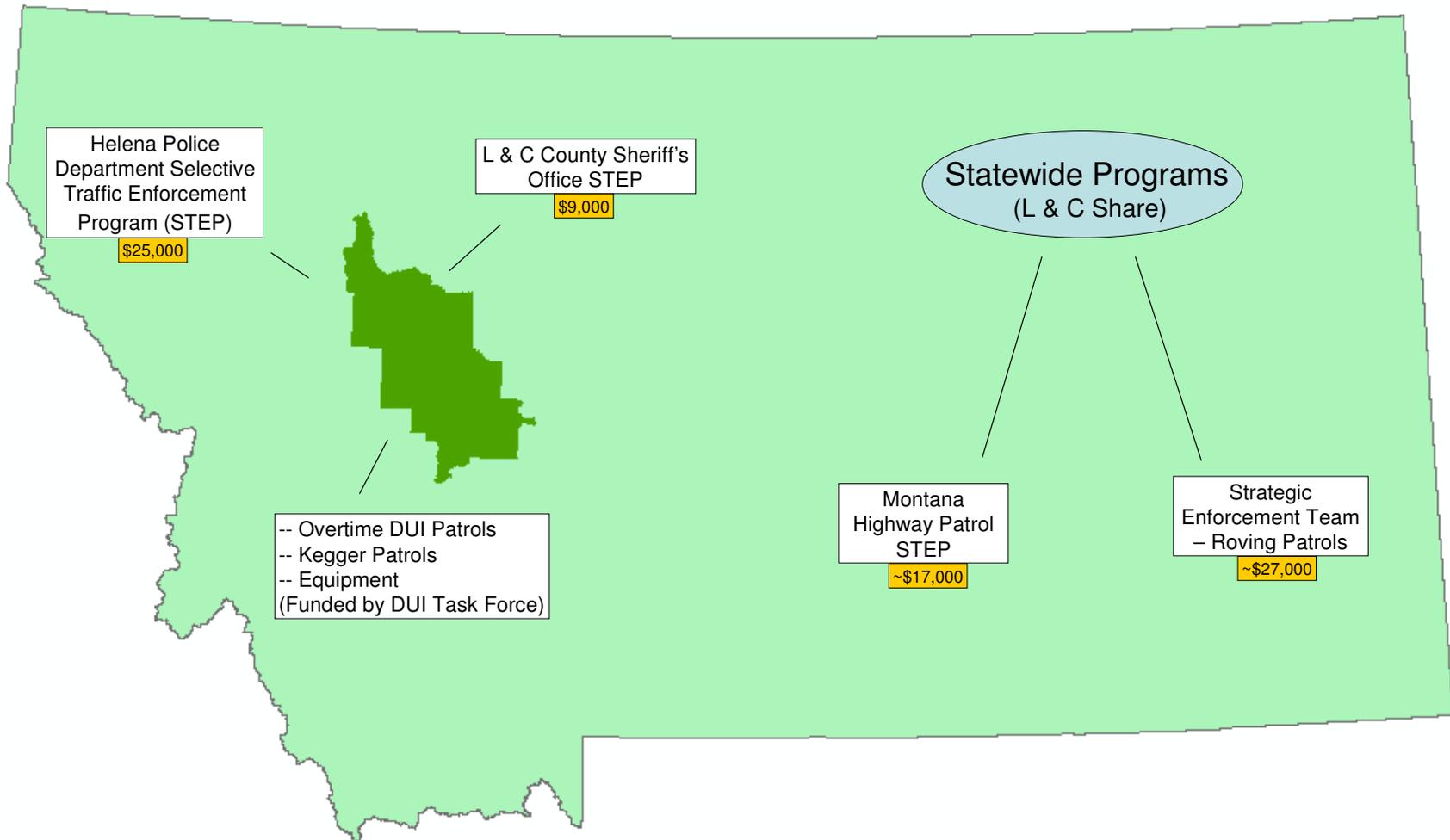




LEWIS & CLARK COUNTY SAFETY INITIATIVES

ENFORCEMENT

FFY 2008



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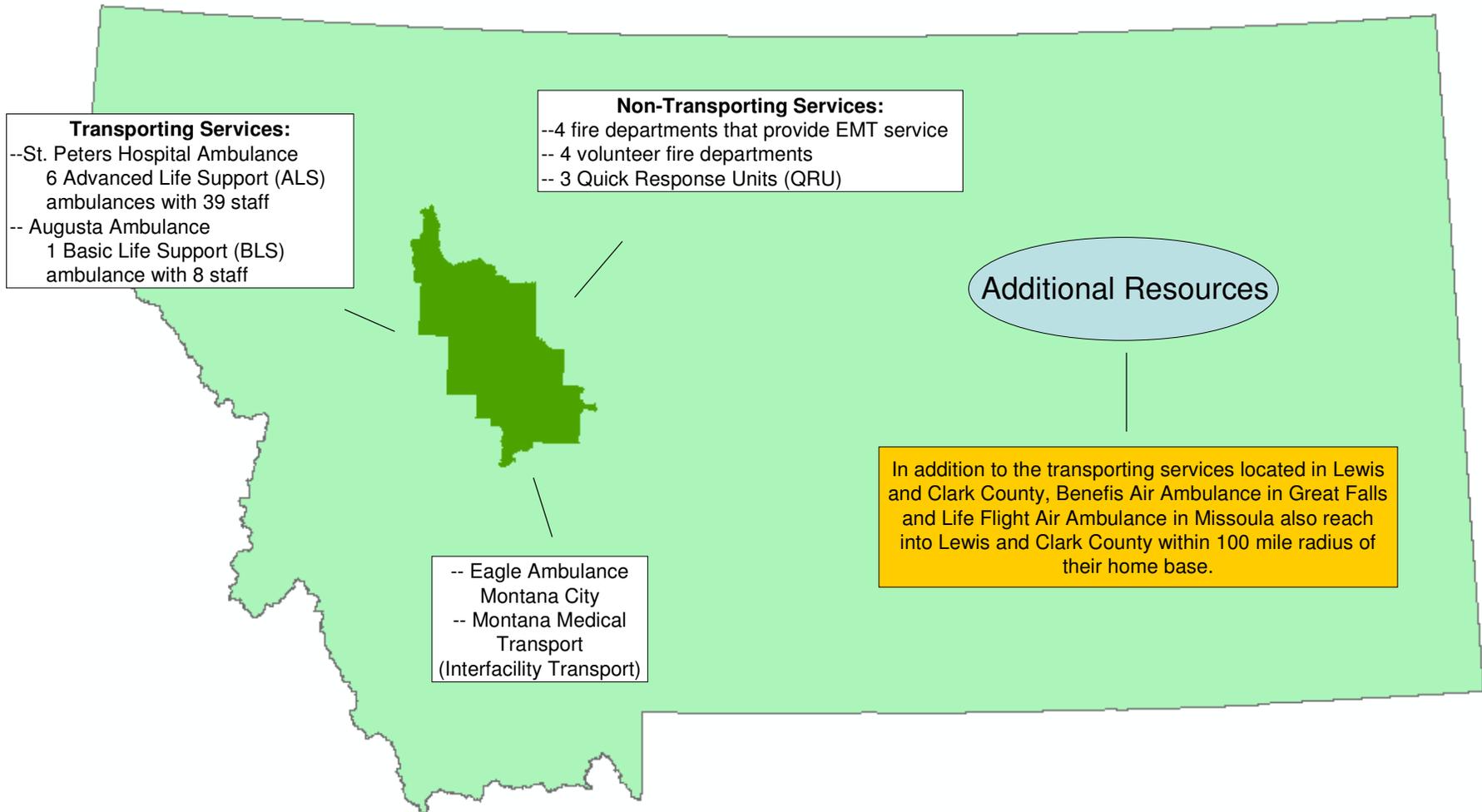
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LEWIS & CLARK COUNTY SAFETY INITIATIVES

EMERGENCY MEDICAL SERVICES

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Discussion

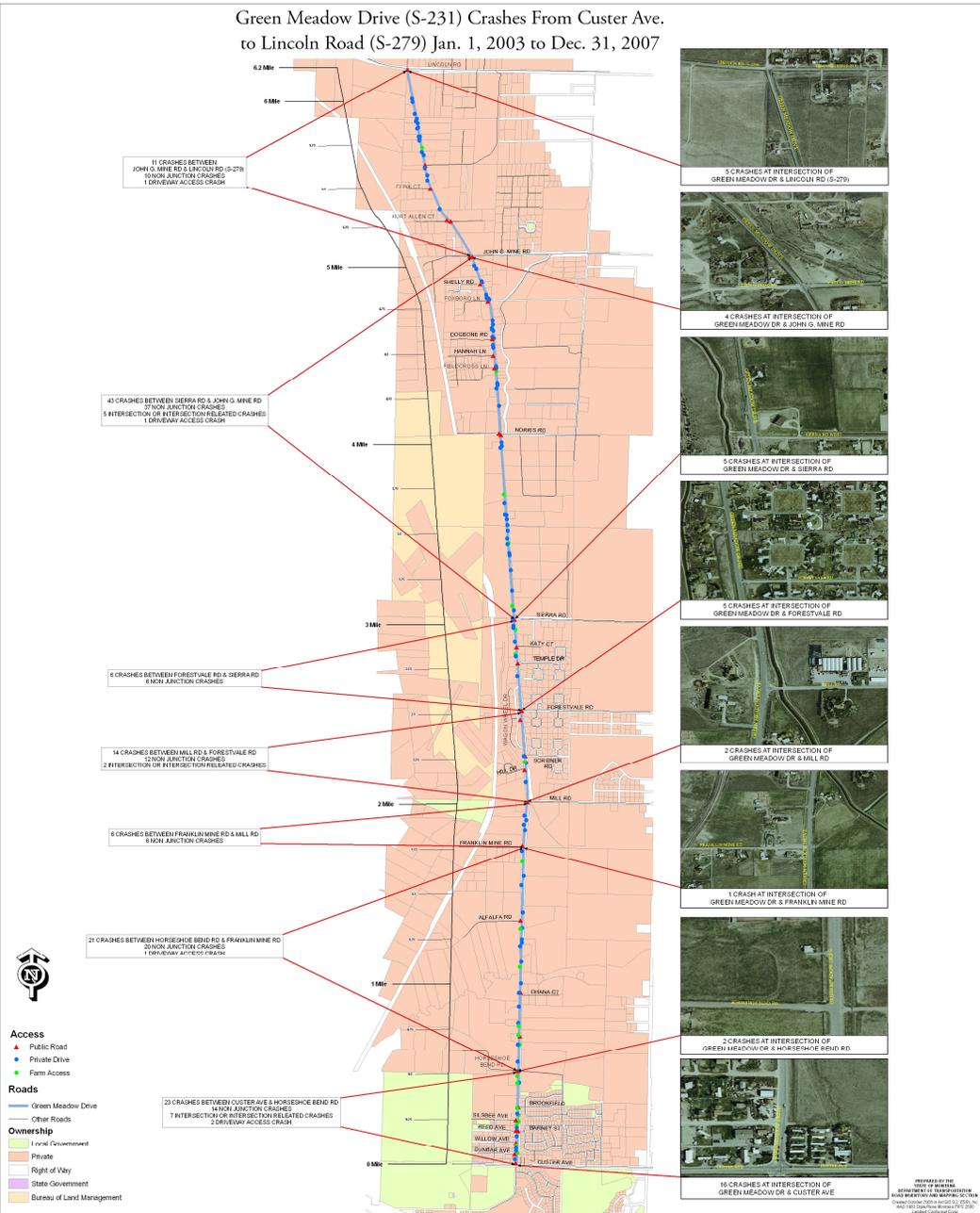
Engineering...

Education...

Enforcement...

Emergency Medical Services...

Green Meadow Drive (S-231) Crashes From Custer Ave. to Lincoln Road (S-279) Jan. 1, 2003 to Dec. 31, 2007



PREPARED BY THE OFFICE OF STRATEGIC PLANNING AND POLICY DEVELOPMENT, PUBLIC SAFETY DIVISION, METRO POLICE DEPARTMENT, 2008