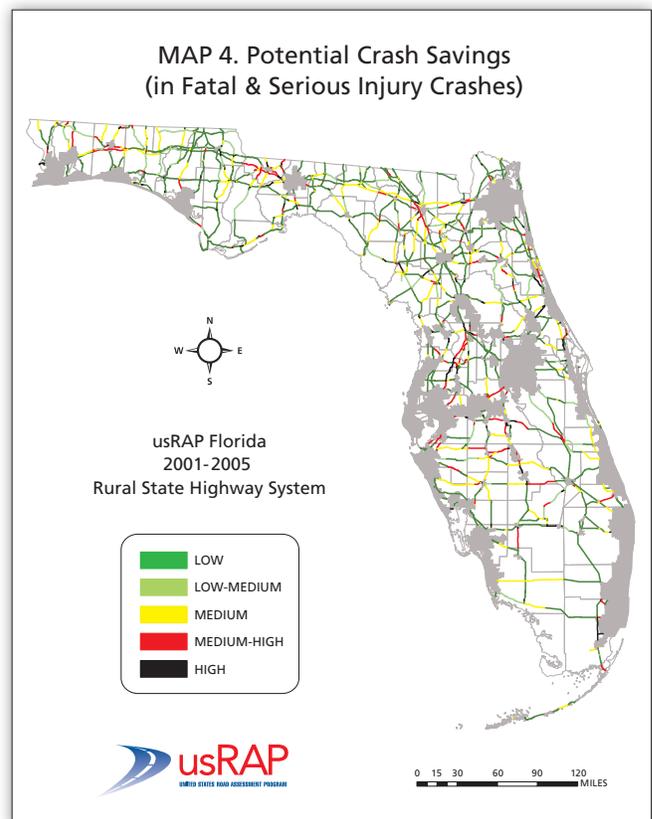


- ➡ Over 120,000 miles of public road
- ➡ 11,100 miles of state maintained highway

| | | | |
|-------------------------------|--------------------------------|--|--------------------------|
| Florida usRAP Overview | Partners | Florida DOT, AAAFTS | Facts and Figures |
| | usRAP network | Interstate, US, and State routes | |
| | usRAP road sections | 1,580 sections (latest data period 2001-2005) | |
| | Length of usRAP network | 6,000 road miles | |
| | | <p>Statewide totals for rural state highways</p> <ul style="list-style-type: none"> • 25 billion annual veh-mi of travel (VMT) • 12,002 fatal and serious injury crashes <p>Statewide averages for analysis sections on rural state highways</p> <ul style="list-style-type: none"> • Average length = 3.8 mi • AADT = 11,500 veh/day • Fatal and serious injury crashes = 1.52 crashes/section/year • Fatal and serious injury crash density = 0.40 crashes/mi/year • Average crash rate = 9.50/100MVT | |

Risk Mapping

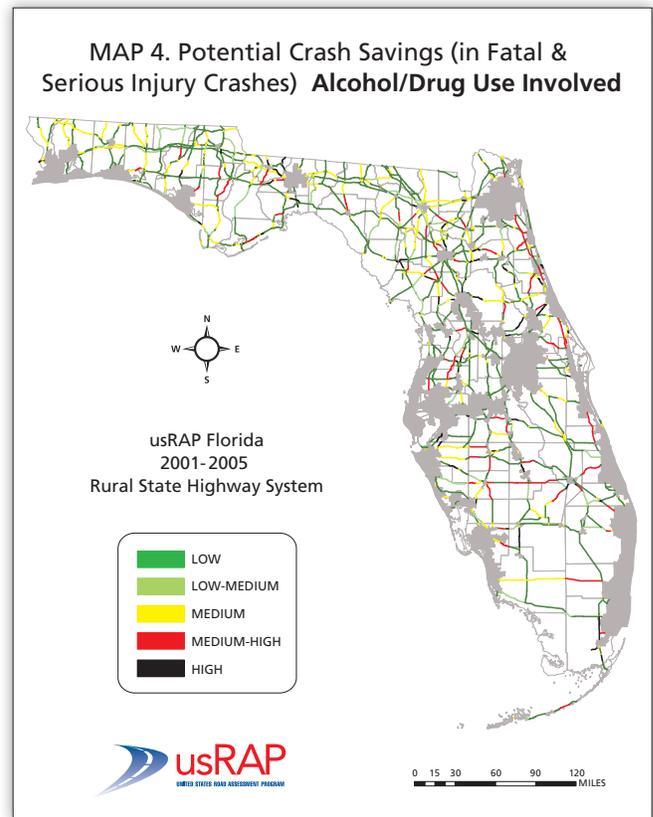
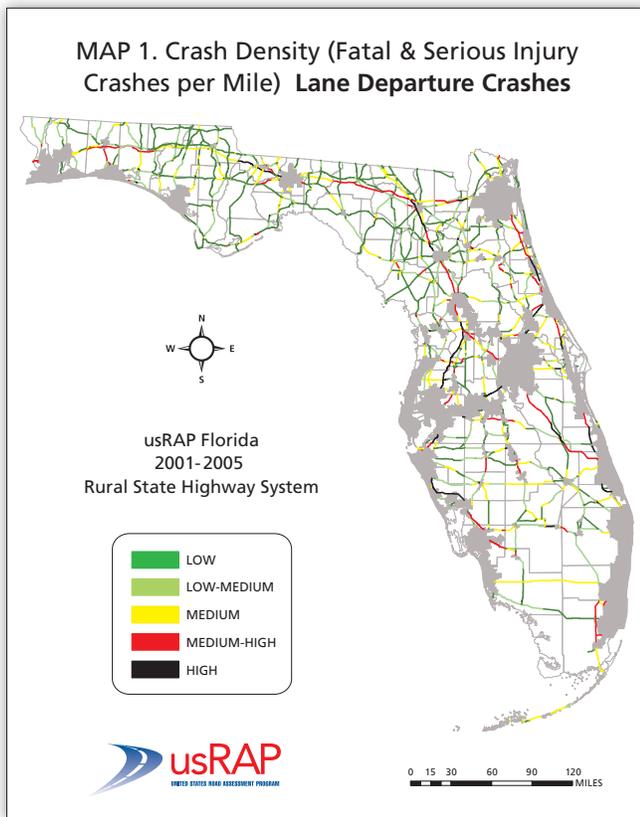
State highways in rural areas were included in the study scope. usRAP Map 4 (right) shows the potential number of fatal and serious injury crashes saved per km in three years if crash rate per 100 million vehicle-miles traveled were reduced to the average crash rate for similar roads. Maps of this type can be used to identify locations that may provide a potential opportunity for safety improvement through infrastructure modifications or enforcement programs.



Summary Risk Mapping Data

| FLORIDA RURAL STATE HIGHWAY SYSTEM ROADS 2001-2005 | | | | | | | | | |
|--|--------------|--------------|---------------------|------------------------|----------------------|--------------------------------|------------------|----------------|--------------------|
| Road Type | Sections | Road Miles | Average Length (mi) | Average AADT (veh/day) | Annual VMT (Billion) | Fatal & Serious Injury Crashes | | | |
| | | | | | | Total Frequency | Annual Frequency | Annual Density | Annual Rate (HMVM) |
| Interstate/Freeway | 89 | 949 | 10.7 | 35,913 | 12.4 | 3,709 | 8.33 | 0.78 | 5.96 |
| Multilane Divided | 423 | 1,009 | 2.4 | 13,515 | 5.0 | 2,834 | 1.34 | 0.56 | 11.39 |
| Multilane Undivided | 31 | 28 | 0.9 | 10,311 | 0.1 | 56 | 0.36 | 0.39 | 10.44 |
| Two-lane Undivided | 1,041 | 4,026 | 3.9 | 5,278 | 7.8 | 5,403 | 1.04 | 0.27 | 13.93 |
| Total | 1,584 | 6,012 | 3.8 | 11,519 | 25.3 | 12,002 | 1.52 | 0.40 | 9.50 |

Specific Applications of usRAP in Florida



Supplementary usRAP risk maps were developed for a range of crash types targeted in Florida's comprehensive highway safety plan, including unbelted-occupant crashes, speed-related crashes, alcohol-or drug-involved crashes, lane departure crashes, commercial-vehicle-involved crashes, older-driver crashes, and younger-driver crashes.

Examples of two of these maps are shown above. usRAP maps have been used to confirm the location of high-crash road segments and to validate guidance to state police to better target enforcement strategies.