



WASHINGTON STATE

COUNTY ROAD
ADMINISTRATION BOARD

Better Roads Through Better Technology

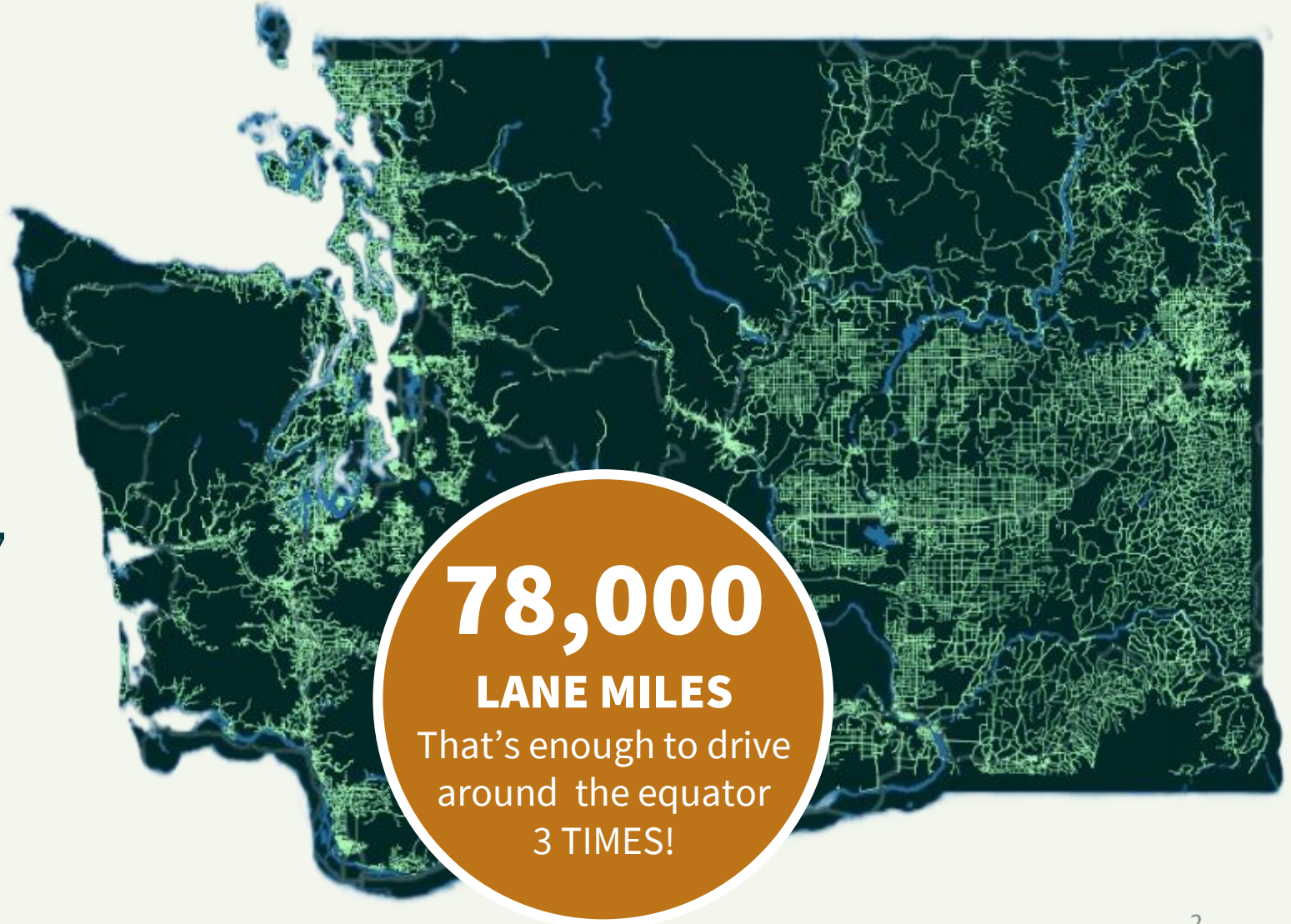
Jane Wall, Executive Director

Eric Hagenlock, IT Director

Cameron Cole, GIS Manager

Counties are an Integral Part of WA's Transportation System

- County road departments are responsible for over **59%** of all public roads in Washington
- It is a **multi-faceted network** including bridges, ferries, sidewalks, bike lanes, streetlights and other infrastructure in a diverse range of rural and urban environments



78,000

LANE MILES

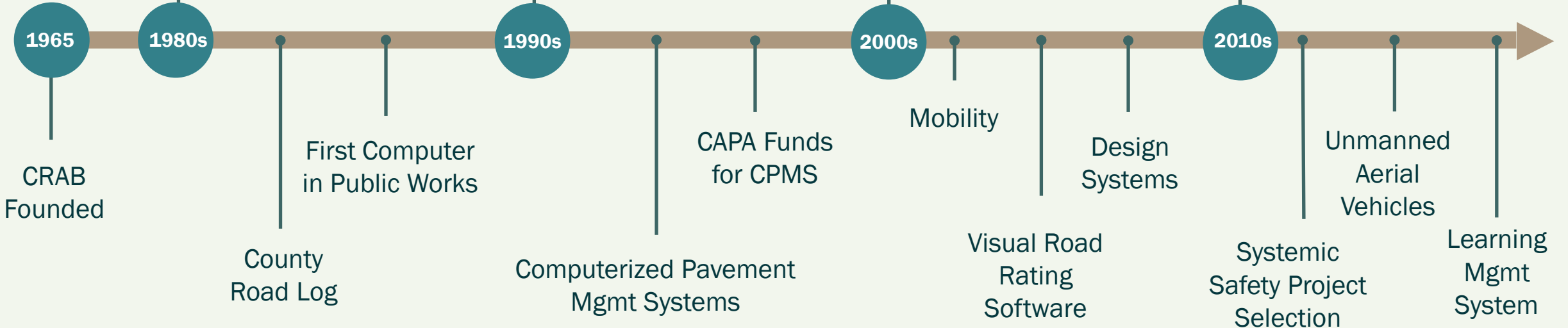
That's enough to drive
around the equator
3 TIMES!

CRAB is an Integral Part of Counties' Success



- **CRAB ensures their success and accountability**, administers funding, collects and certifies statewide data and provides training to reach compliance requirements
- The 9-member board is supported by a staff of 16 highly experienced staff members

A Long History of Technological Innovation and Collaboration



Time for a Revolution! Implementing GIS-Mo

- We engaged with partners including WTSC, WSAC, WSACE, and WSDOT
- The goal was to develop a Transportation Asset Management System (TAMS) tool that would allow counties to perform asset management at a fraction of the cost
- Implementing a TAMS would cost a prohibitive \$1 million for a single county. **For \$1.1 million, CRAB was able to implement GIS-Mo for all 39 counties!**



What is GIS-Mo?

- Nope, not this guy!
- GIS-Mo is a **cutting edge, map-based asset management system**
- It is utilized by all 39 counties in Washington State



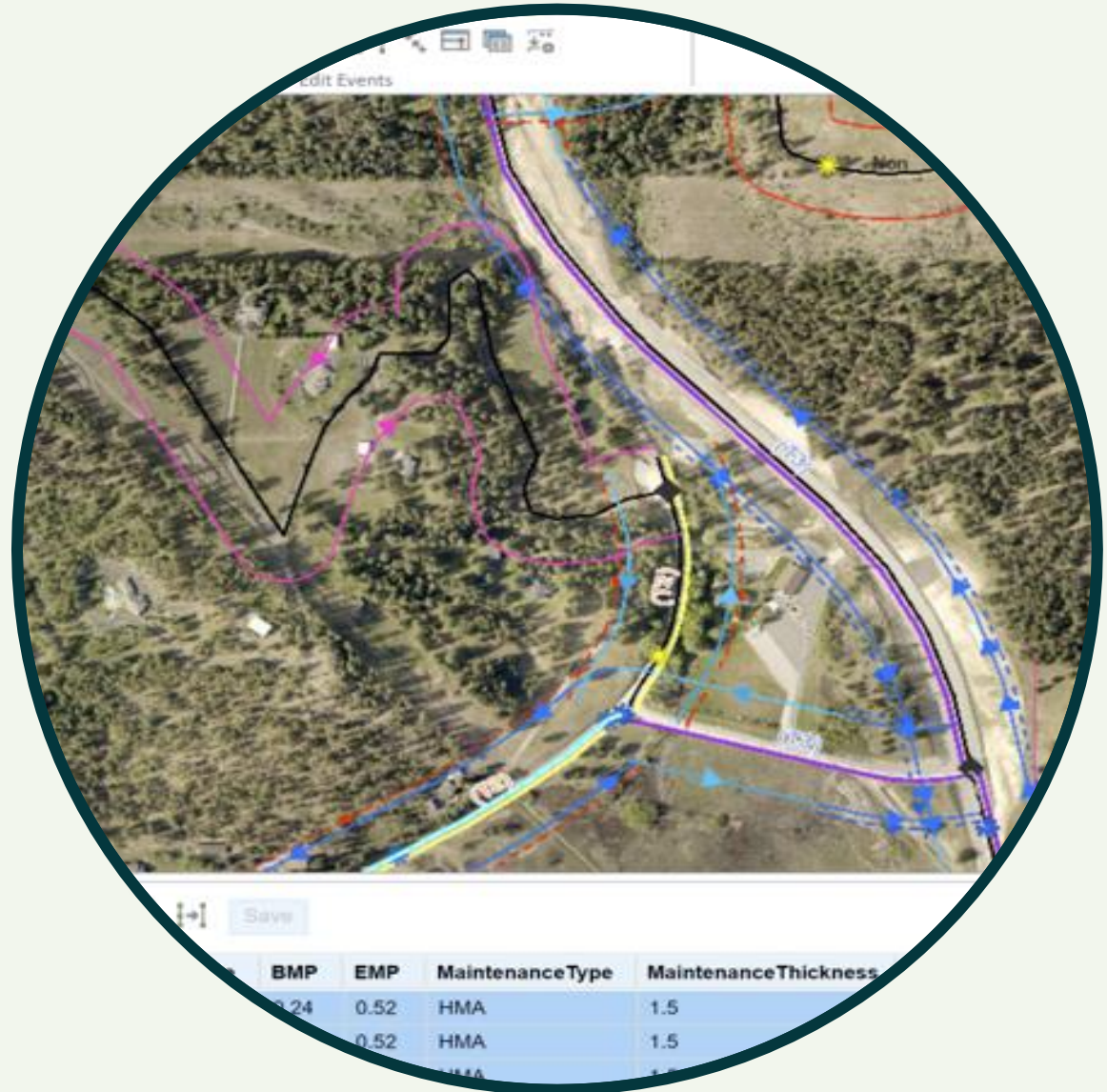
What is GIS-Mo?

- Map Centric



What is GIS-Mo?

- Map Centric
- Mobile



What is GIS-Mo?

- Map Centric
- Mobile
- Dynamic

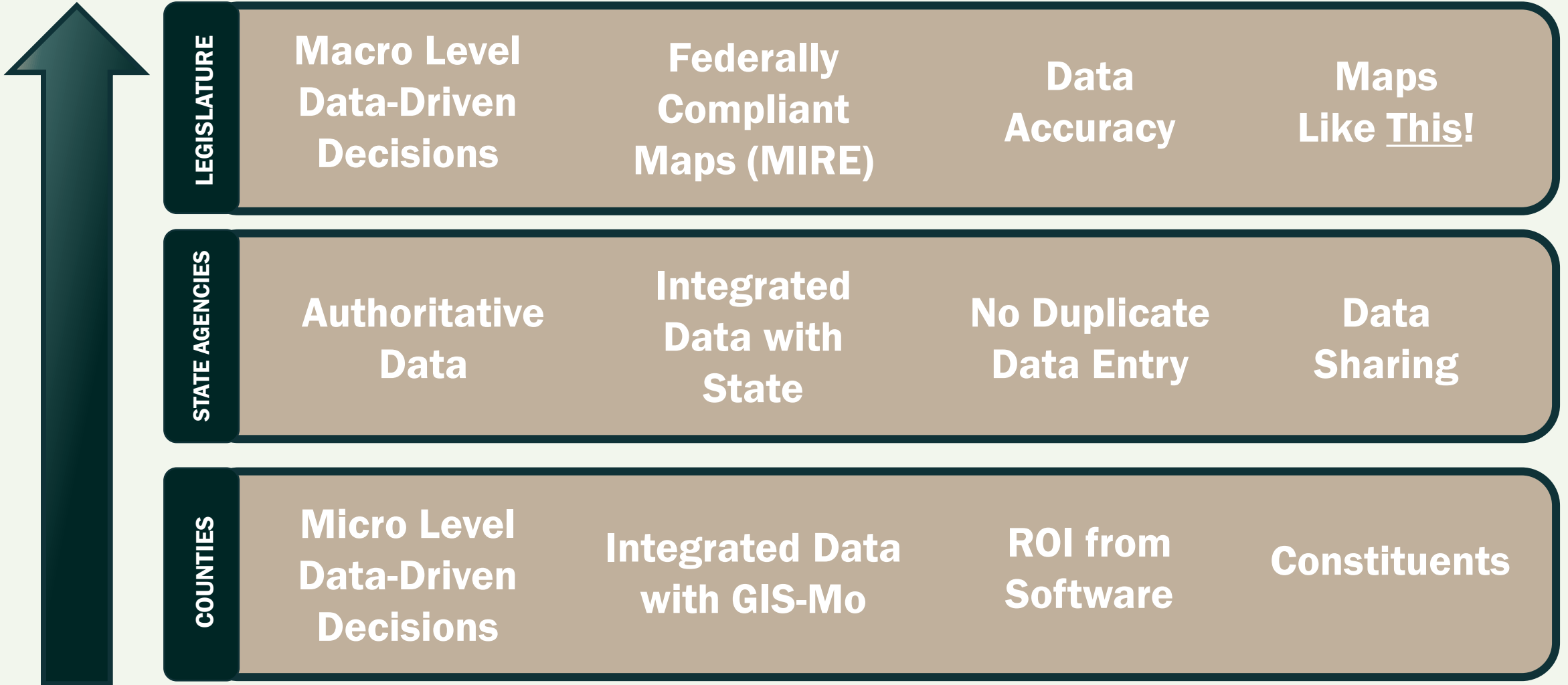


Why is GIS-Mo Important?

- It Provides an Organized, Uniform Model of Data Collection
- It is Compliant with FHWA's Model Roadway Inventory Elements (MIRE) Requirements
- It Represents Authoritative Data
- It is an Innovative Technology



Who Benefits from GIS-Mo? Everyone from the Bottom on Up

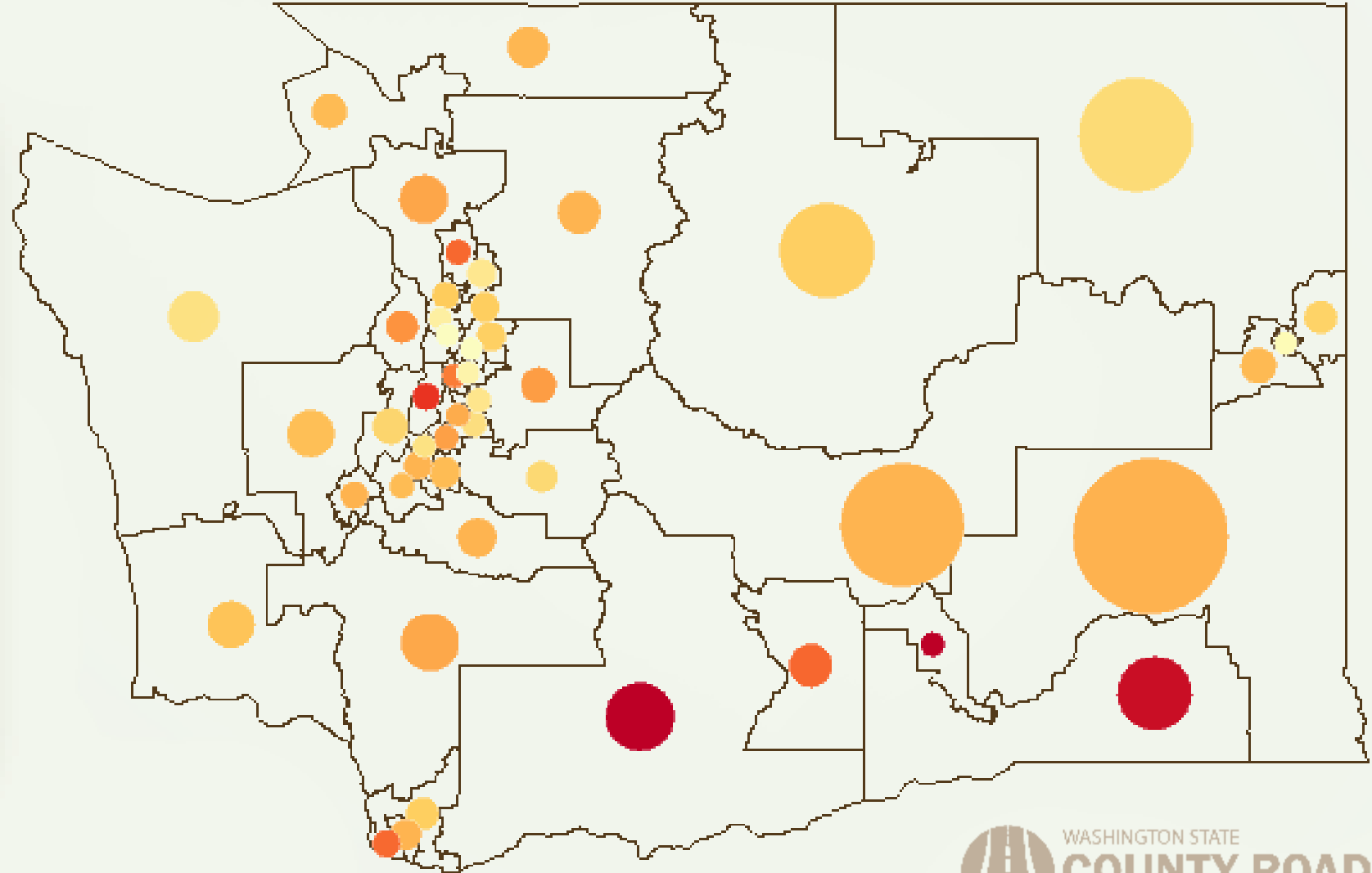
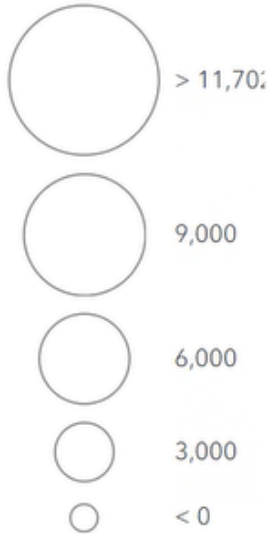


GIS-Mo in Action: Serious Injury/Fatality Collisions by District

ACCIDENTS
PER HUNDRED MILLION
VEHICLE MILES TRAVELED
(APHMVMT)



COUNTY LANE MILES



GIS-Mo in Action: Serious Injury/Fatality Collisions by District

WA STATE LEGISLATIVE DISTRICT 14

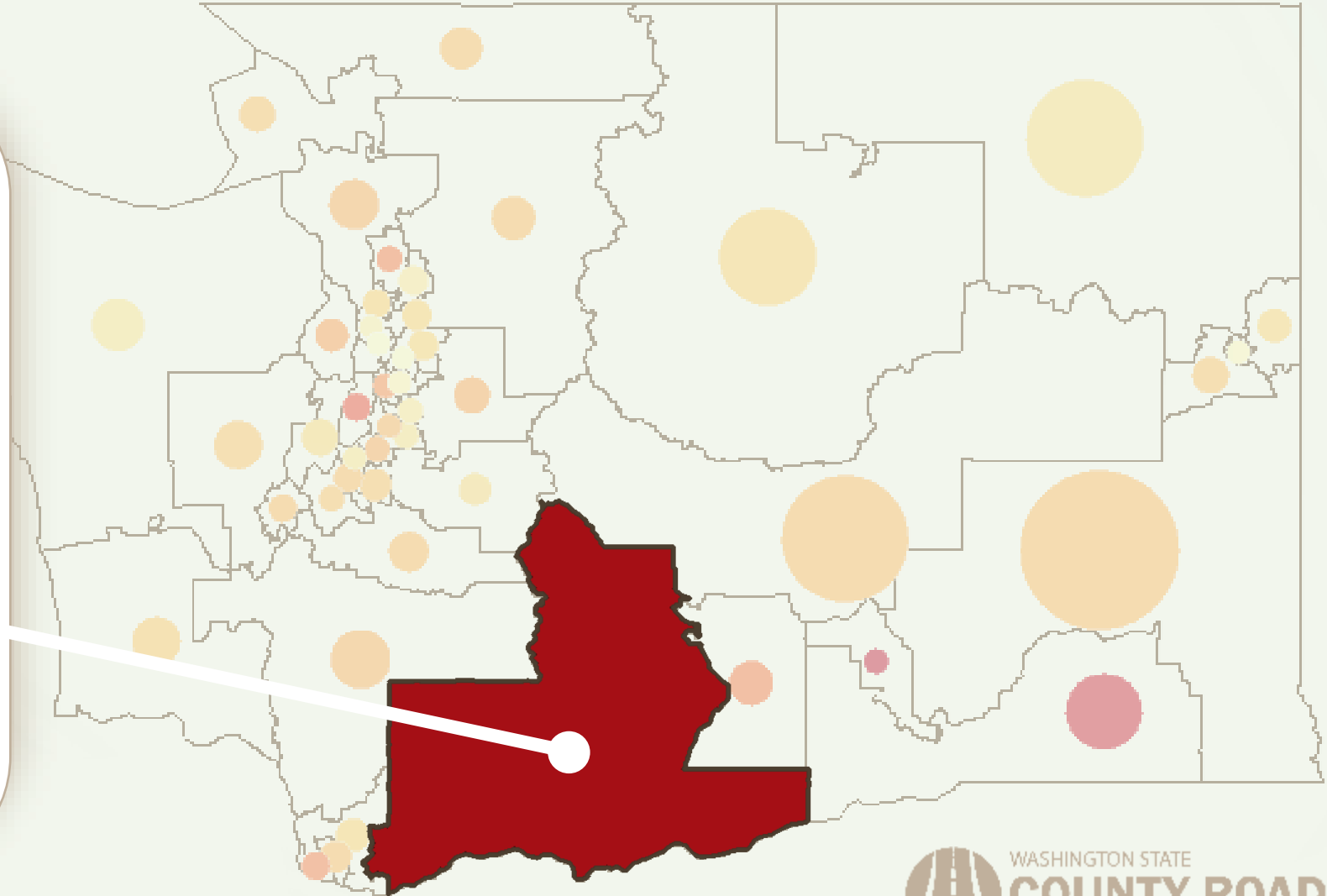
4,054 County Lane Miles

1,385 Collisions

465 Serious Injuries

32 Fatalities

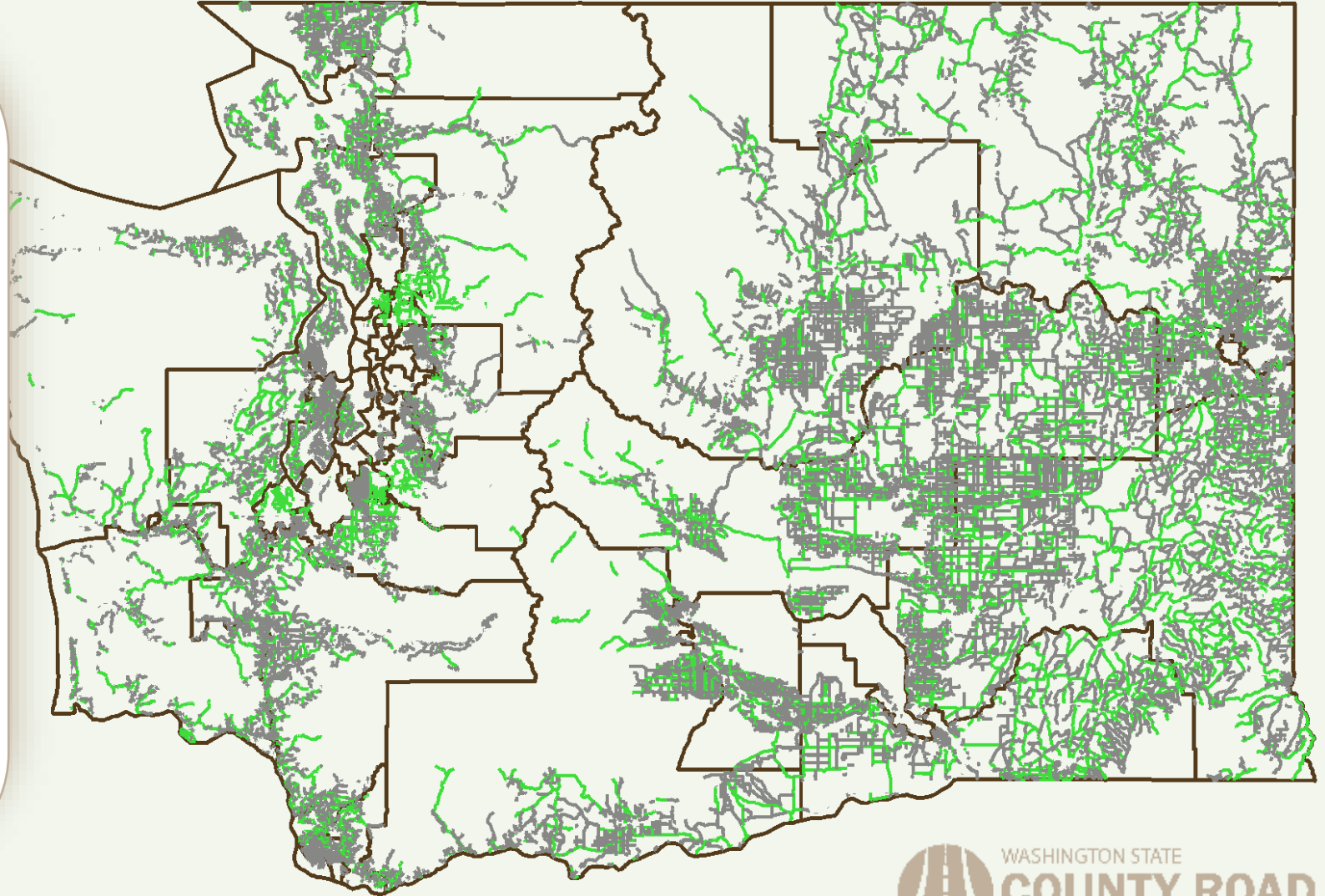
375 APHMVMT



GIS-Mo in Action: A Look at the County Road Funding Gaps

78,000
COUNTY ROAD MILES
IN WASHINGTON

30,000
Miles that **CAN** be Funded

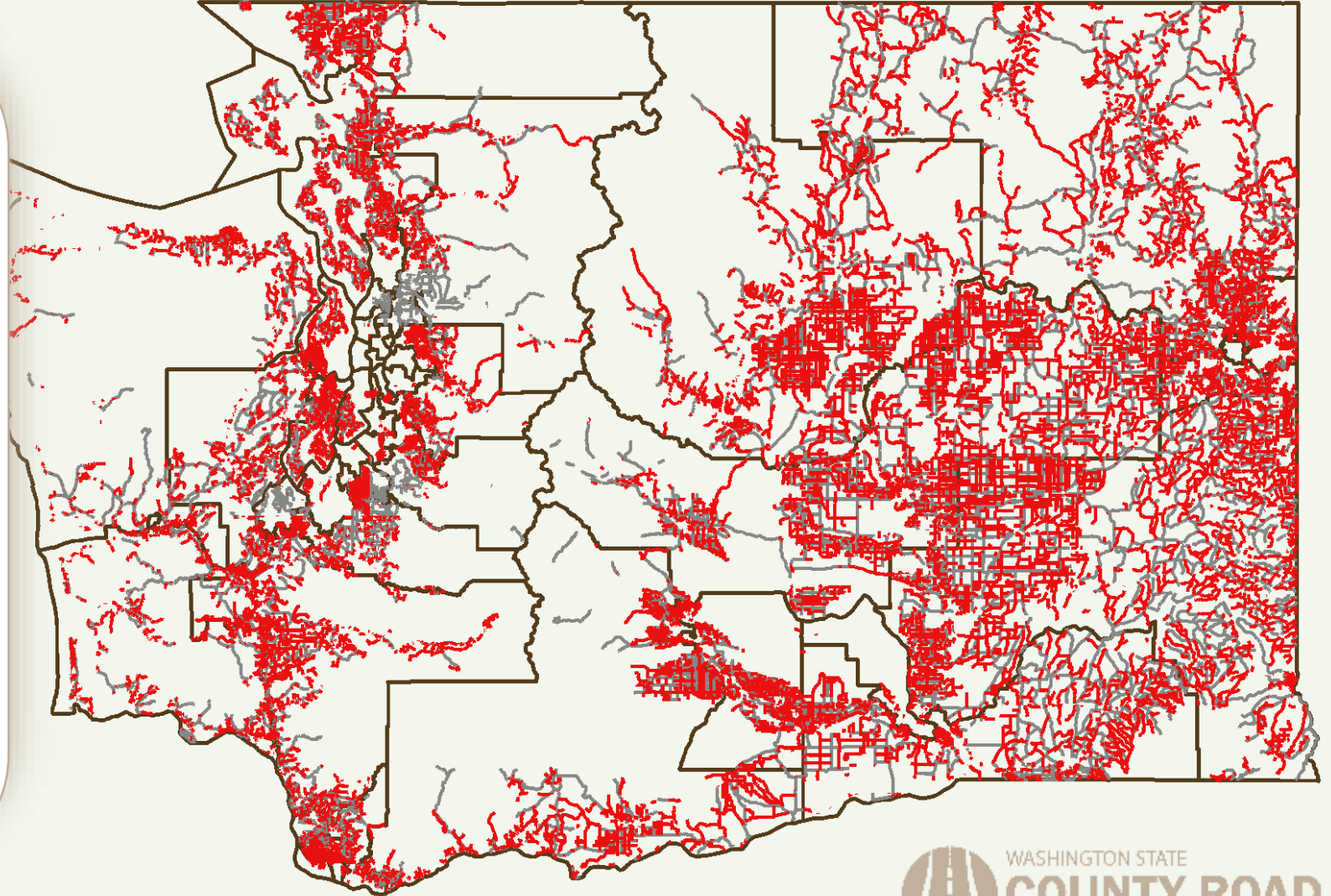


GIS-Mo in Action: A Look at the County Road Funding Gaps

78,000
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IN WASHINGTON

30,000
Miles that **CAN** be Funded

48,000
Miles that **CAN NOT** be Funded



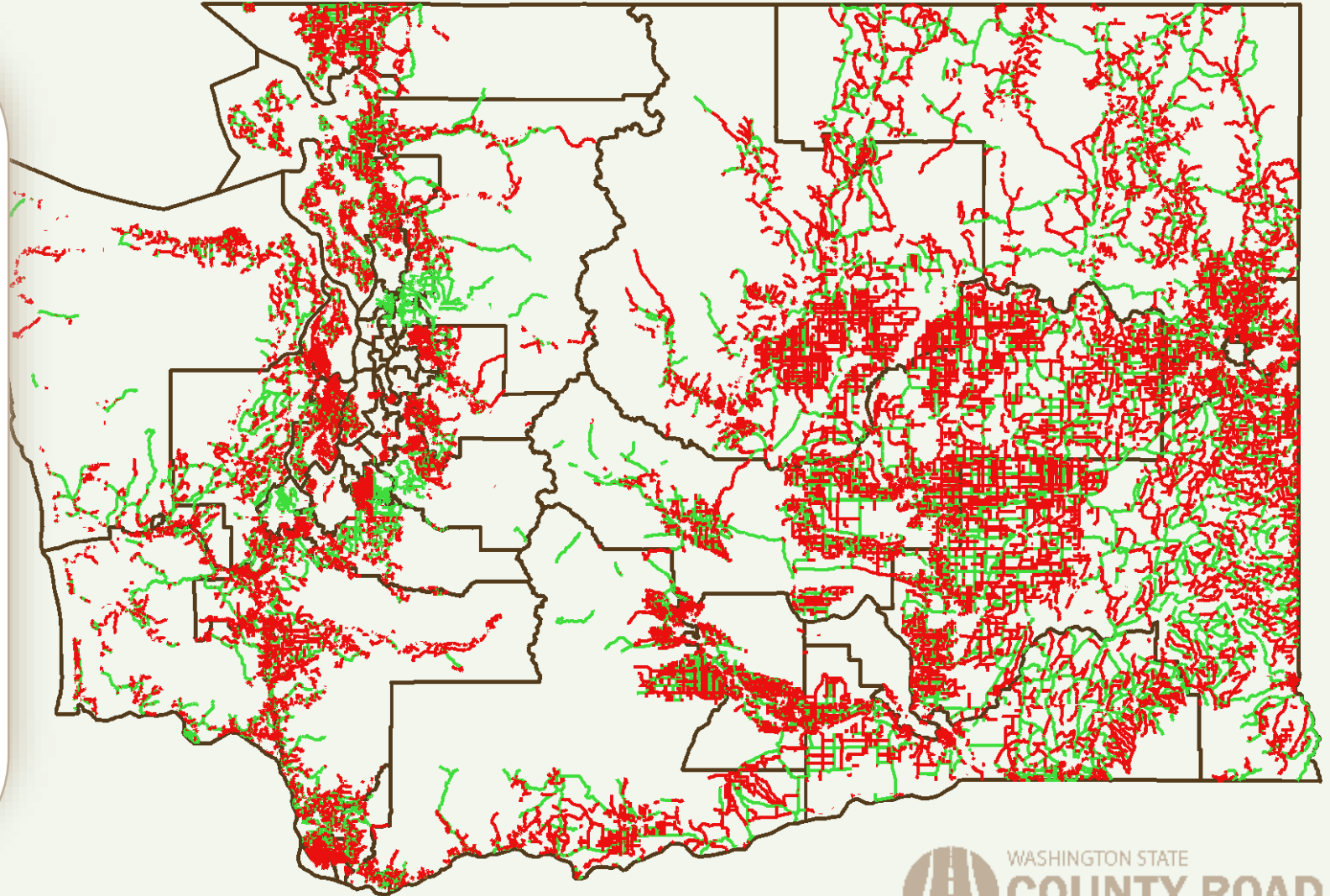
GIS-Mo in Action: A Look at the County Road Funding Gaps

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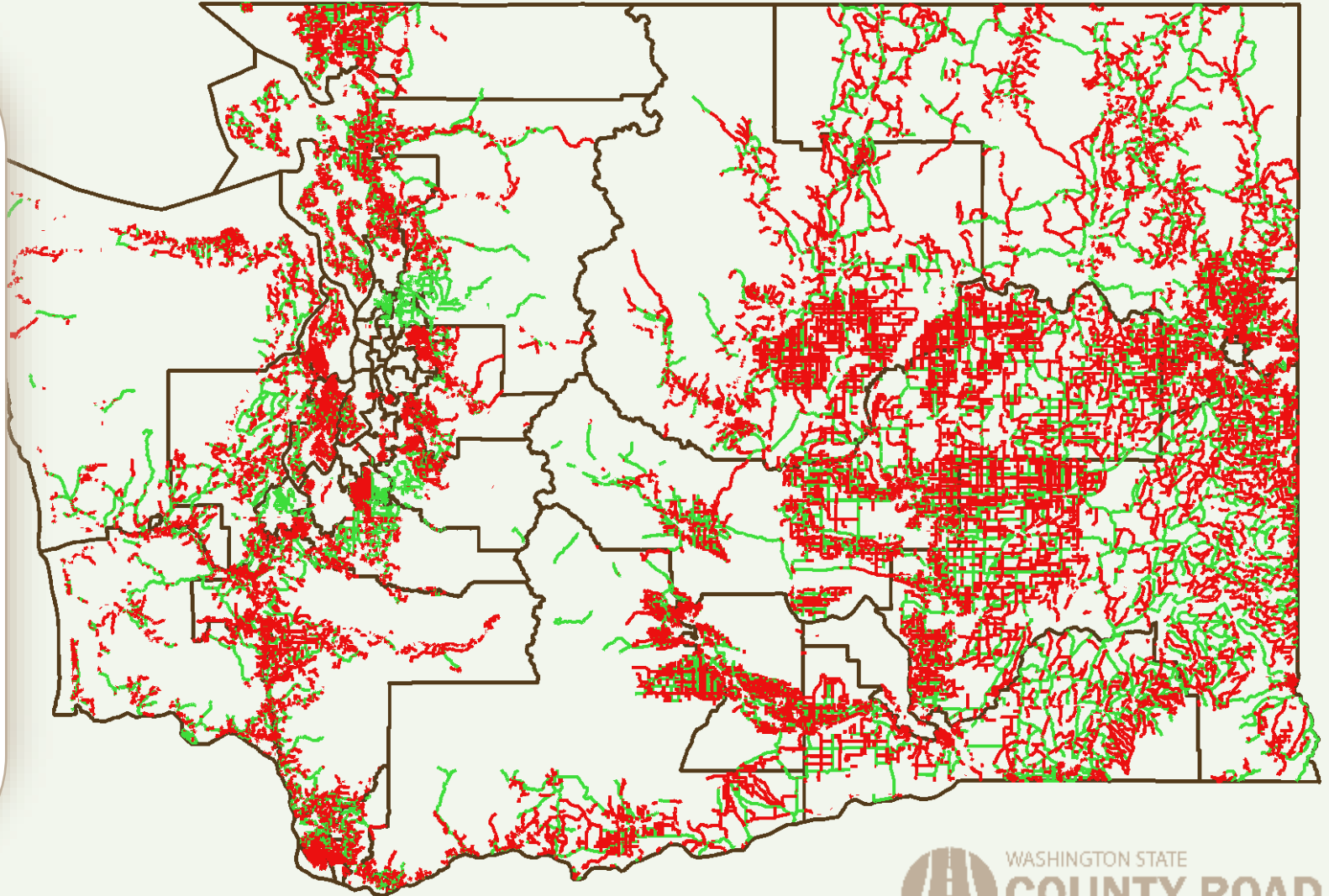
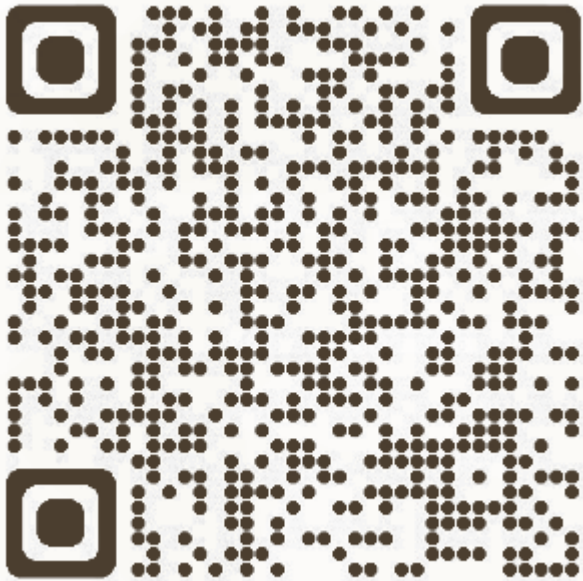
48,000
Miles that **CAN NOT** be Funded

62%
of County Road **INELIGIBLE**
for RAP Program Funding



What Does the Data Look Like in YOUR District?

**CHECK OUT OUR
INTERACTIVE DASHBOARD
TO TAKE A LOOK!**



What Does the Future of Transportation Technology Look Like?

*We're
Building It!*

BUT WE NEED UP-TO-DATE
SOFTWARE TO DO SO


- Ongoing Growth and Expansion for GIS-Mo
- Continuous Improvement in CRAB Programs
- 2024 Decision Package

LEGACY SOFTWARE REPLACEMENT DETAILS	Total	Fund 102 Rural Arterial Program	Fund 108 Motor Vehicle Account	Fund 186 County Arterial Preservation
GIS-Mo VueWorks	\$51,813	\$6,477	\$38,859	\$6,477
GIS-Mo ESRI Roads & Highways	\$71,722	\$8,965	\$53,792	\$8,965
SmartSimple Reporting Software	\$82,500	\$41,250	\$41,250	
Pinnacle Learning Mgmt System	\$34,422		\$34,422	
ANNUAL TOTAL INVESTMENT	\$240,457	\$56,692	\$168,323	\$15,442



WASHINGTON STATE
COUNTY ROAD
ADMINISTRATION BOARD

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