



# Transportation Metrics: A Roadmap for Setting Priorities

**Project Accomplishments & Next Steps**  
**November 19, 2013**

# Why County Road & Bridges Matter

- **Counties responsible for nearly 50 percent of the state's roads and bridges**
- **\$1.37 billion per year in expenditures**
- **Infrastructure is aging, funds are decreasing**
- **The state's economy and citizens rely on the performance of the county transportation systems**

# Why Metrics are Important

- **Increase accountability of public expenditures**
- **Communicate results to citizens**
- **Focus on results to secure public funding support**
- **Respond to state and federal statutes**

# Legislative Direction

- **Identify, evaluate, and implement performance measures associated with county transportation activities.**
- **Provide a report on the county transportation performance implementation project to the transportation committees of the legislature.**

# Legislative Direction

- **Link to state goals and OFM Attainment Report**
- **Use transportation policy goals**

Safety

Preservation

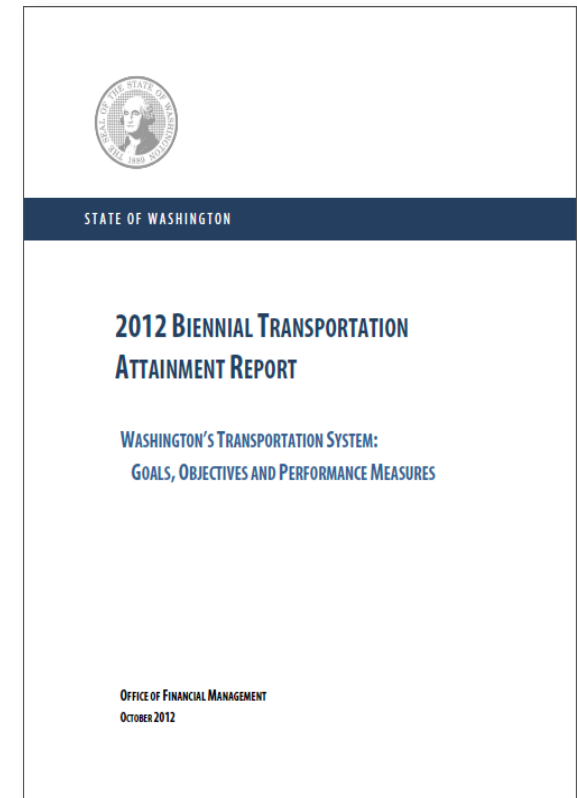
Mobility

Stewardship

Environment

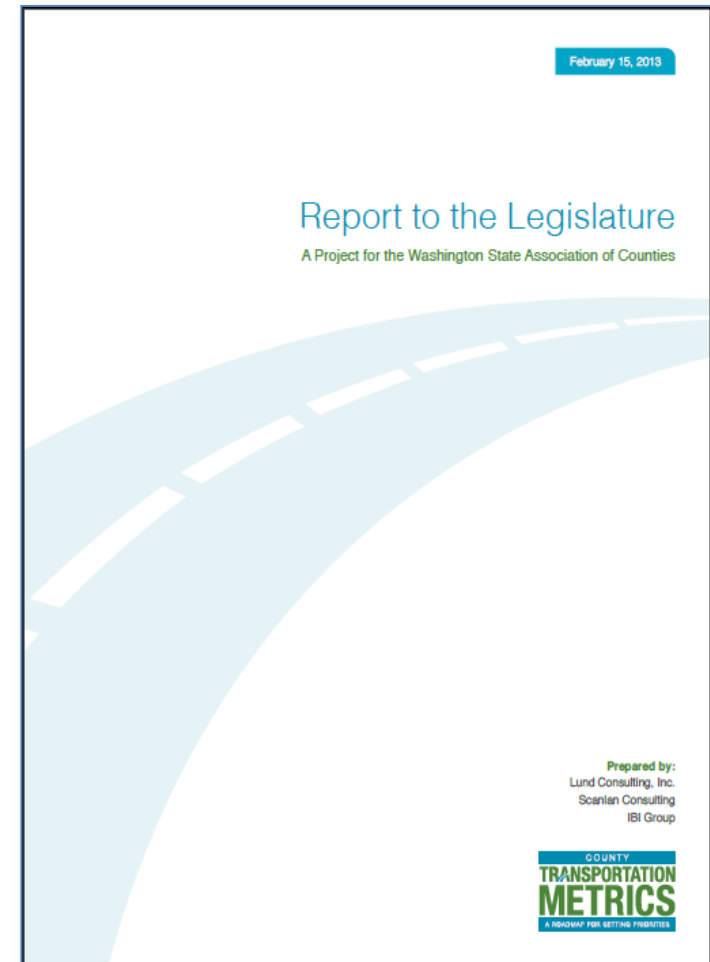
Economic Vitality

*(RCW 47.04.280)*



# Study Findings

- **Metrics critical to improving program & project delivery**
- **Web-based dashboards make access to information easier & readily available to decision makers**



# Study Recommendations

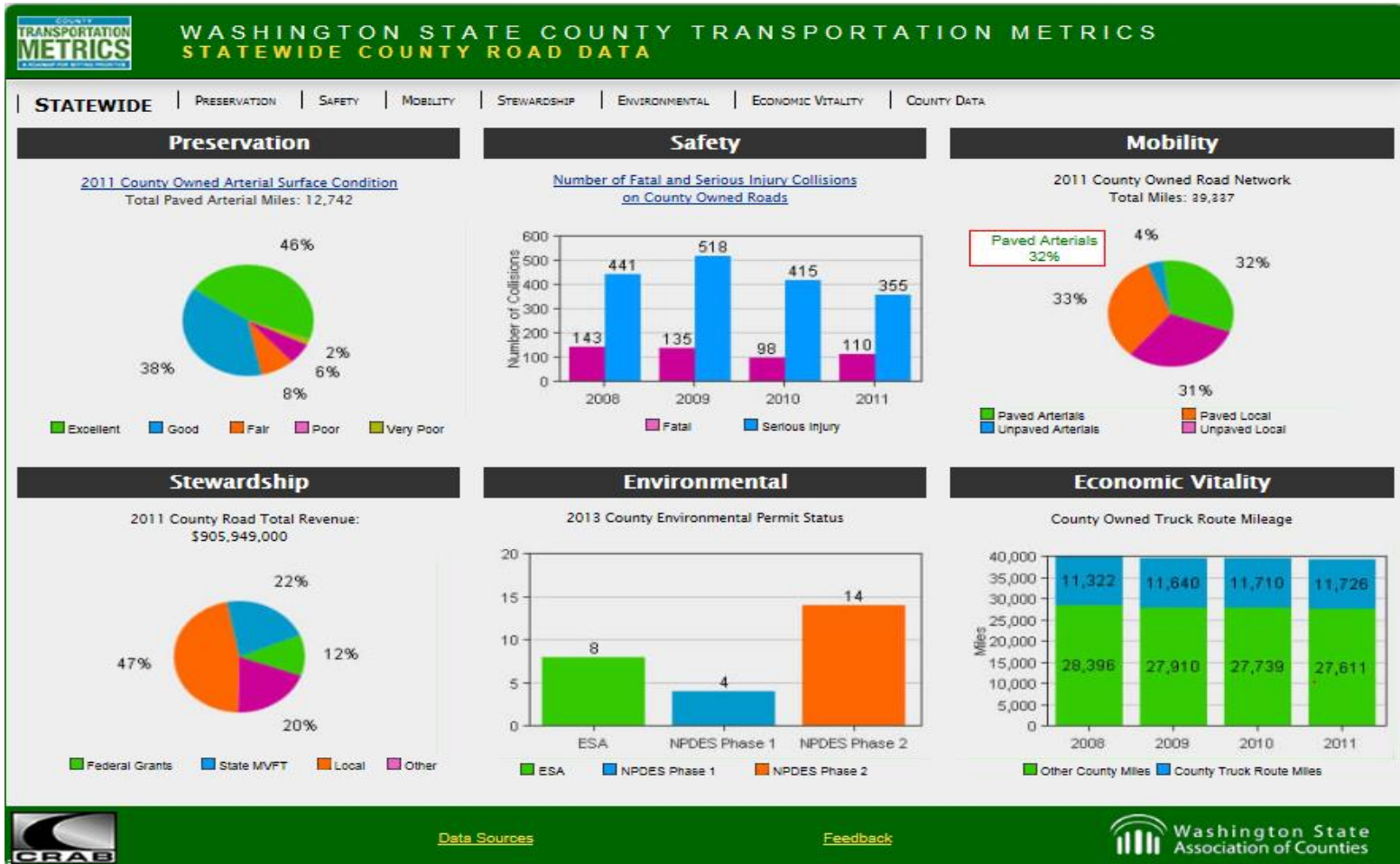
- **Build user-friendly dashboard**
- **Present ‘at-a-glance’ information**
- **Functionality on phone, tablet, computer**
- **Tell the county transportation story**
- **Allow users to explore county data**
- **Be accessible to non-transportation experts**

# Dashboard Features

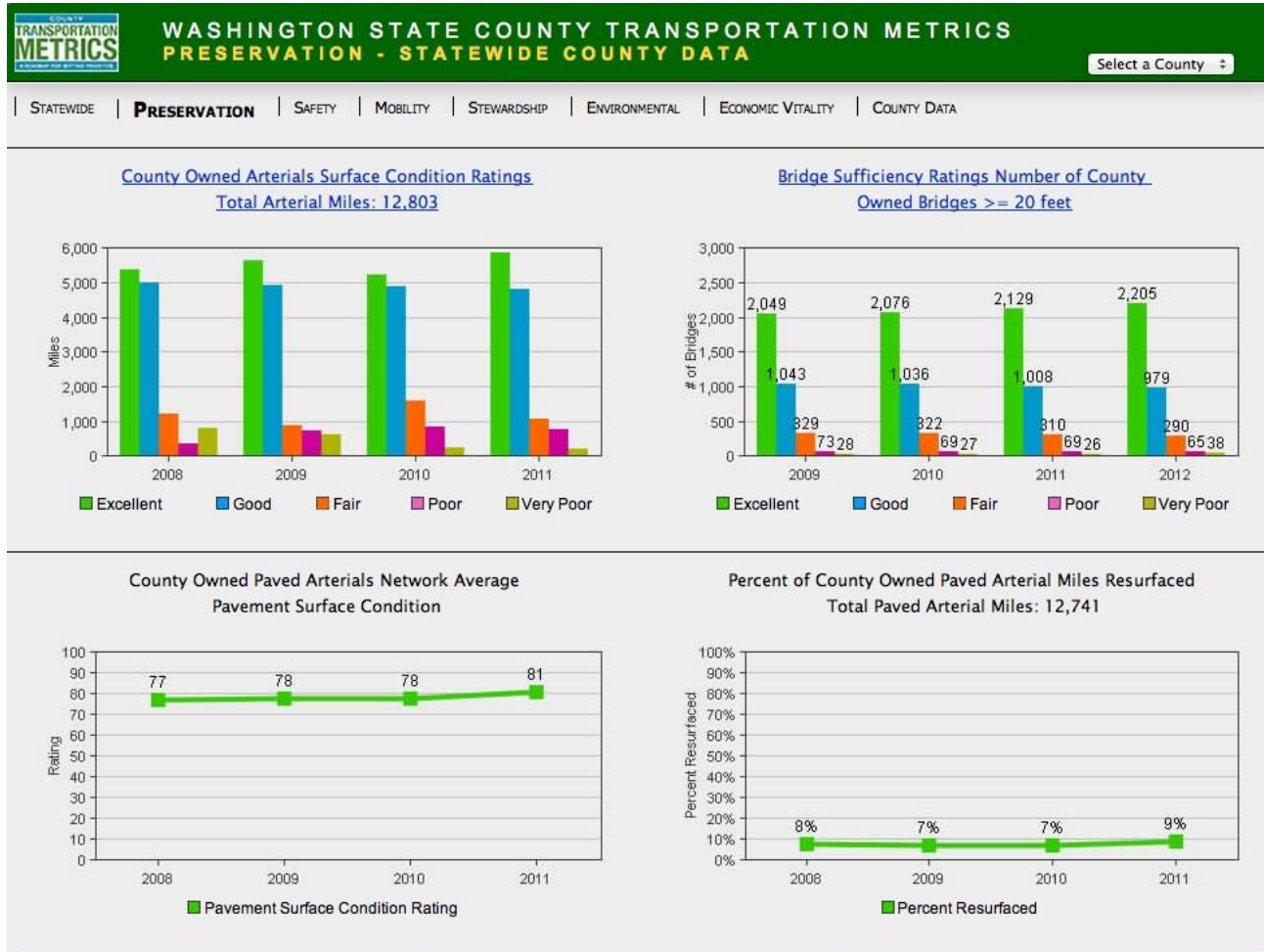
- <http://www.crab.wa.gov/Metrics>
- One website for county data statewide
- Links to data sources
- Updates as reports are verified by CRAB
- Ability to go deep with data
- See statewide or by selected county
- Inter-active state map showing county data
- See trends over time



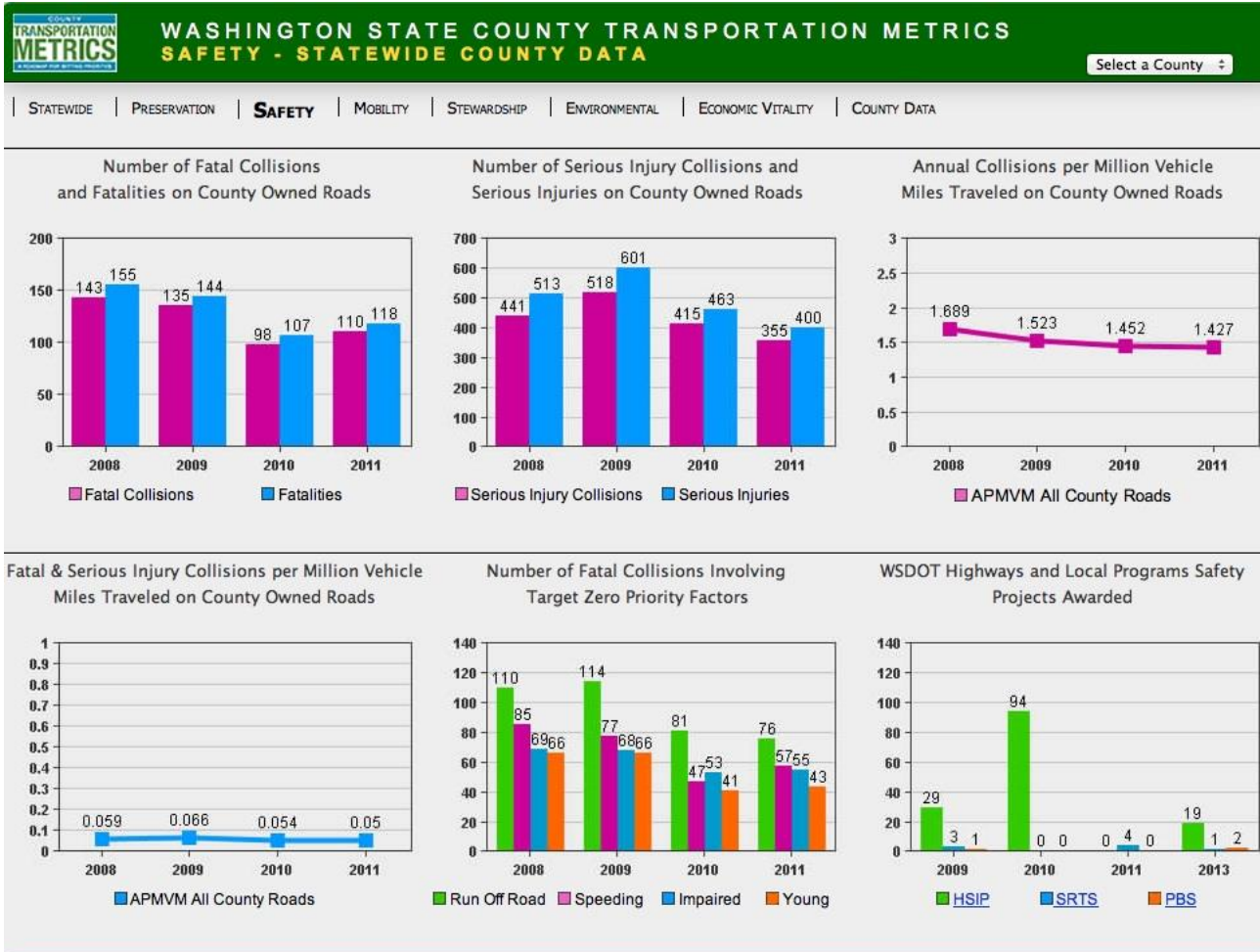
# Statewide Metrics



# Statewide Preservation: Arterials & Bridges



# Statewide Safety



# Collision and Safe Routes to Schools Detail

**WASHINGTON STATE COUNTY TRANSPORTATION METRICS**  
**STATEWIDE COUNTY ROAD COLLISIONS DETAIL**

[Download CSV](#)   [Download Data Dictionary](#)   Data Preview: Top ten rows. Click Download CSV to get complete data set.

Coun...	accidentNumber	Year	roadnumber	roadname	Milepost	Impaired	ROR	Speeding	Young
1	2583742	2009	12101	HATTON RD	0.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2583746	2009	12241	BENCH RD	5.23	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	2583747	2009	11562	ATKINSON RD	1.35	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	2583748	2009	11451	TAYLOR RD	0.521	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	2583563	2009	64601	ROSENOFF RD	7.13	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2583569	2009	42901	LIND-RALSTO...	0.028	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	2583573	2009	64784	REHN RD	1.81	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	3118480	2009	64601	ROSENOFF RD	2.49	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	3118483	2009	33521	LIND-HATTON ...	11.33	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	3118532	2009	62951	LIND-WARDEN ...	5.39	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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**WASHINGTON STATE COUNTY TRANSPORTATION METRICS**  
**STATEWIDE HIGHWAY SAFETY AND SAFE ROUTE TO SCHOOL  
PROJECTS**

[Download CSV](#)   [Download Data Dictionary](#)   Data Preview: Top ten rows. Click Download CSV to get complete data set.

CountyID	CountyName	Year	ProjectTitle	ProjectDescrip...	ProgramCode	ProgramDescr...	AmountAwarded
2	Asotin	2009	"13th St and Pe...	"Add traffic signal"	"CSP"	"County Safety ...	400000
6	Clark	2009	"Clark County L...	"Upgrade signin...	"CSP"	"County Safety ...	400000
8	Cowlitz	2009	"Cowlitz County ...	"Upgrade signin...	"CSP"	"County Safety ...	200000
8	Cowlitz	2009	"Cowlitz County ...	"Add guardrail a...	"CSP"	"County Safety ...	500000
10	Ferry	2009	"Ferry County L...	"Add centerline ...	"CSP"	"County Safety ...	200000
10	Ferry	2009	"Bridge Creek R...	"Add guardrail, r...	"CSP"	"County Safety ...	500000
10	Ferry	2009	"Inchelium Safe ...	"Project include...	"SRTS"	"Safe Routes to ...	460313
15	Island	2009	"Island County L...	"Upgrade signin...	"CSP"	"County Safety ...	350000
15	Island	2009	"Hastie Lake Ro...	"Upgrade signin...	"CSP"	"County Safety ...	238000
15	Island	2009	"Hunt Road & T...	"Add guardrail"	"CSP"	"County Safety ...	22000

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# Work Plan for 2013-15

- **Dashboard reporting**
  - Partner with CRAB to maintain and enhance metrics
  - Provide data rollup to biennial OFM transportation attainment report
  - Provide annual project report to Legislature
- **Transportation metrics**
  - Identify, analyze, and evaluate environmental metrics
  - Identify, analyze, and evaluate economic vitality metrics associated with freight and rail
  - Identify, analyze, and report on transportation system preservation, pavement condition and subsurface road structure

# Refine Metrics

- **Pavement condition**
  - Pilot project tested measuring subsurface condition
  - Develop preservation needs statement
- **Environmental**
  - Fish passage barriers
  - Work with state agencies to develop consistent reporting
  - Evaluate data collection related to environmental permitting to streamline data collection

# New Metrics

- **Economic vitality**
  - Pilot project to develop metrics for county freight system needs
  - Link road condition & CFGS priority needs based on freight users
- **Mobility measures**
  - Reflect regional differences
  - County commissioner interviews – stressed connections to broader transportation system
  - Transit providers, regional transportation agencies, health agencies
- **Project delivery (stewardship)**

# Efficiency Initiatives

- **Streamline reporting requirements**
  - Identify, evaluate, and report on streamlining opportunities:
    - Financial reporting to state and federal agencies
    - Project reporting to regional, state, federal
    - Environmental & permit reporting
  
- **Project management tools**
  - Evaluate tools to improve project delivery:
    - Scan of available project & program management tools
    - Evaluate and recommend best practices
    - Pilot program with selected county organizations



# Project Team

## **WSAC**

Overall project direction  
Grant administration

## **CRAB**

Provides majority of data  
Coordinates collection of data from  
other agencies  
Host of dashboard website

## **WSACE**

Gary Rowe, Project Manager  
Technical guidance provided by county  
engineers

## **Consultants**

Lund Consulting Inc.  
Scanlan Consulting  
IBI Group

# Questions?

## **WSAC**

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