

# MAP-21 Performance Measures

## Northeast Pavement Preservation Partnership

April, 2014



U.S. Department of Transportation  
**Federal Highway Administration**

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# National Highway Performance Program: Summary

Proactive and transparent  
management of \$40 billion  
Highway Program

# What affects you?

1<sup>st</sup> Principle: Implements Legislation

2<sup>nd</sup> Principle: NHPP Focus is NHS

# Important terms

1. Performance
2. Asset Management
3. Risk
4. Investment Strategy

# Performance Measures

1. Operational
2. Liability

Not:

How to manage system

How to prioritize investments

Used for:

Setting targets for conditions

Reporting on Progress

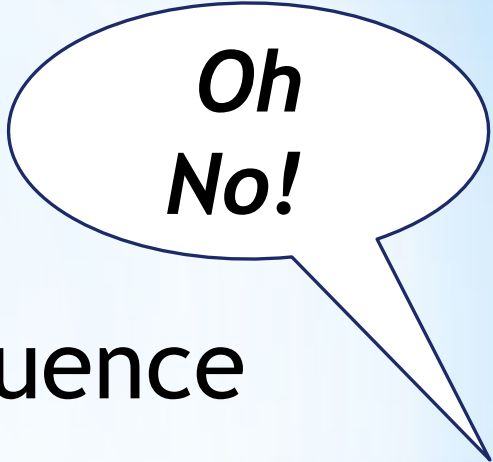
# Asset Management

NHPP Legislation says all States have to have an Asset Management Plan

Contains:

- A. Inventory of pavement and bridge assets including condition
- B. High-level Objectives and Measures
- C. Performance Gaps
- D. LCCA and Risk Management Analysis
- E. Financial Plan
- F. Investment Strategies

# Risk....



*Oh  
No!*

Risk = Probability x Consequence

- Natural Disaster
- Premature Material Failure
- Construction Delay
- Inadequate Revenue
- Traffic Generator
- Crash

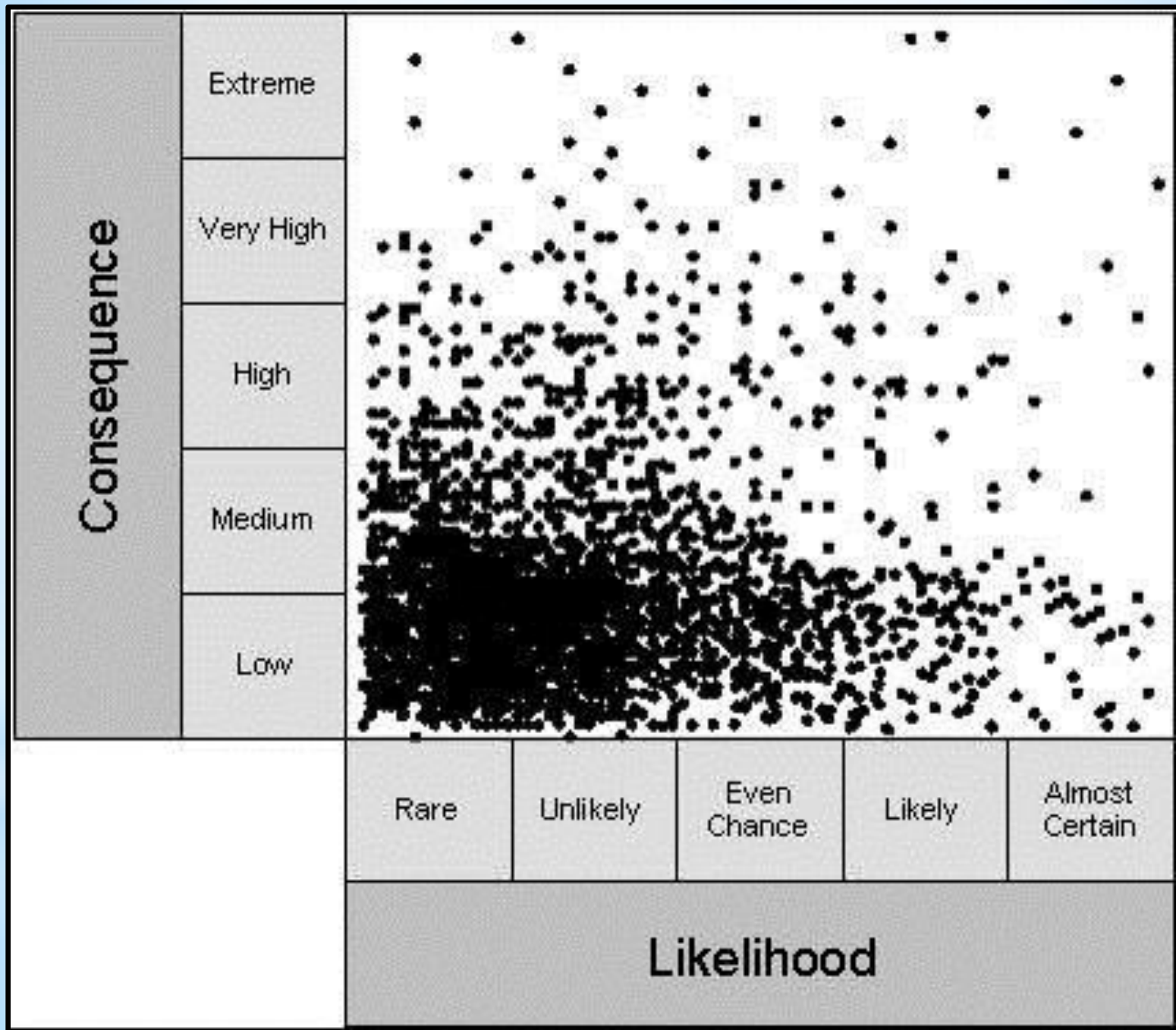
# Risk Rating = Likelihood x Severity

<b>S</b> <b>e</b> <b>v</b> <b>e</b> <b>r</b> <b>i</b> <b>t</b> <b>y</b>	Catastrophic	5	5	10	15	20	25
	Significant	4	4	8	12	16	20
	Moderate	3	3	6	9	12	15
	Low	2	2	4	6	8	10
	Negligible	1	1	2	3	4	5
				1	2	3	4
			Improbable	Remote	Occasional	Probable	Frequent
			<b>Likelihood</b>				

- Catastrophic **STOP**
- Unacceptable **URGENT ACTION**
- Undesirable **ACTION**
- Acceptable **MONITOR**
- Desirable **NO ACTION**







# Investment Strategies

You already have them!!!

MAP-21 says:

1. Transparent
2. Performance Link
3. Data-driven
4. Do the economics

# Details:

## Schedule:

- Public Comment to start late May or June
- 90 days to comment
- All comments have to go to Docket
- Implementation Spring 2015