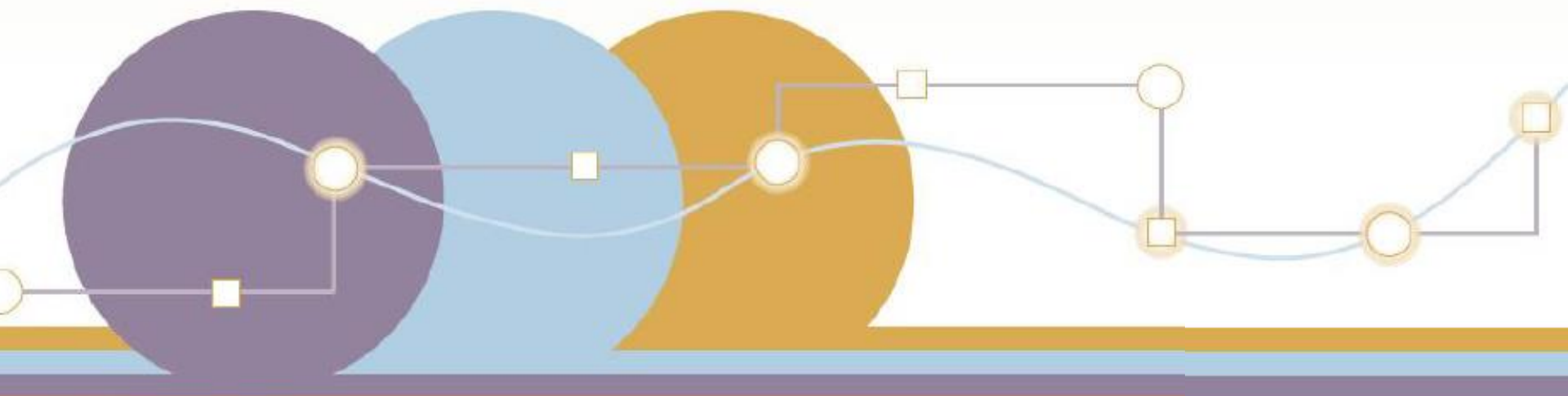


MAP-21 and Pavement Performance

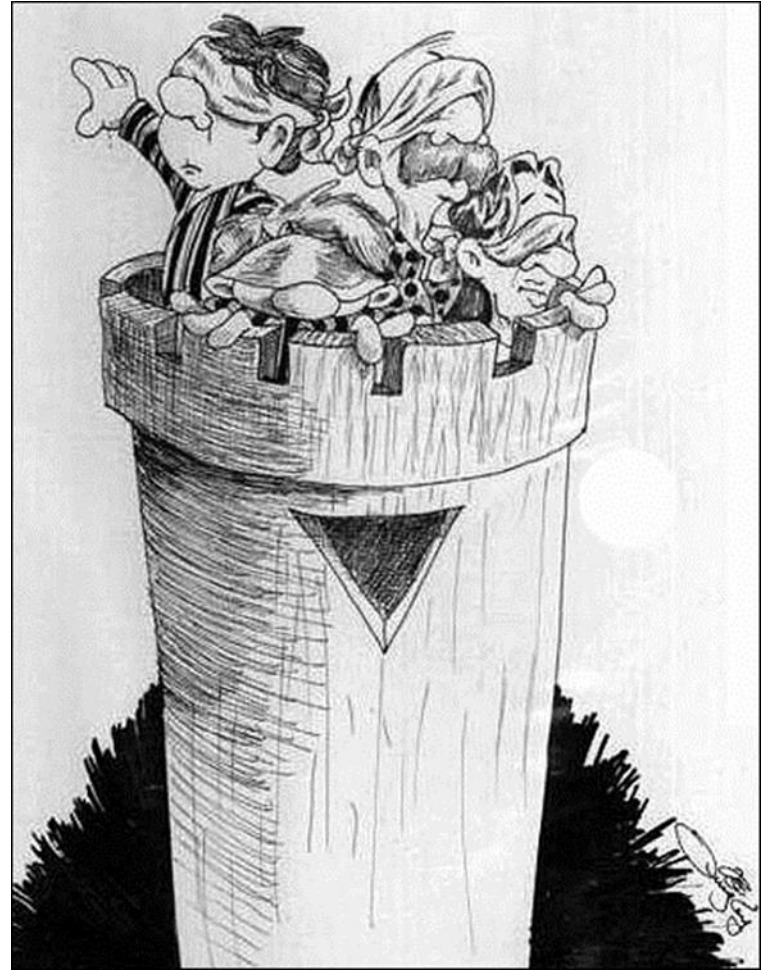
RMWPPP

October 2013

FHWA Office of Asset Management



-or-
“The interesting
view from the
Ivory Tower”



Official Training Center

What is the secret
to continued
employment?



Do not confirm or
deny anything!!!



Interesting Issue I:

MAP-21
Legislation

No adjustments
To Legislation!



More Interesting I:

- Risk-based Asset Management Plan
- Targets to be set every 4 years
- Minimum Standards for Interstate Pavements



Digging Deeper...

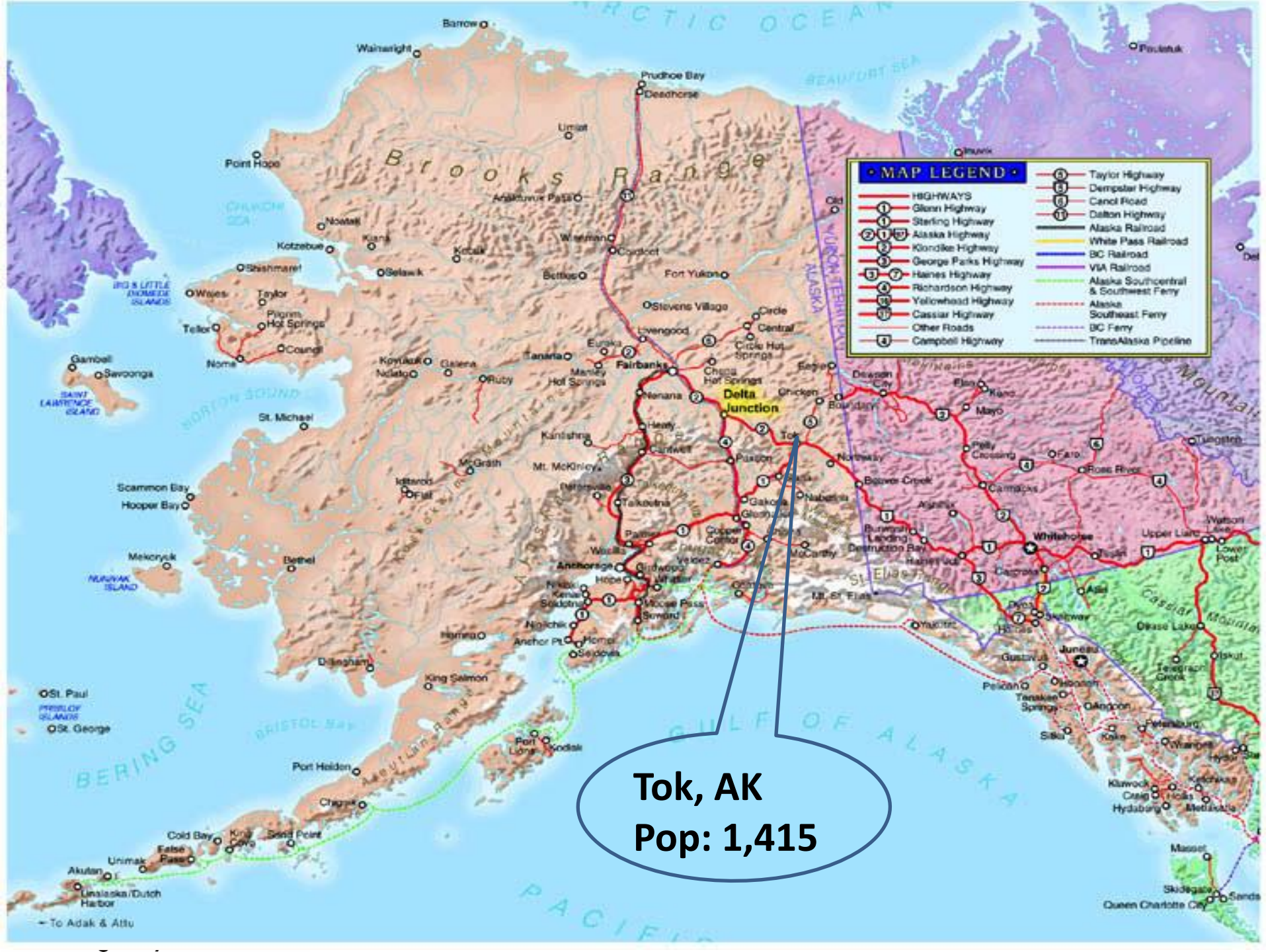
"...Define data
elements to
support a
performance-
based program..."

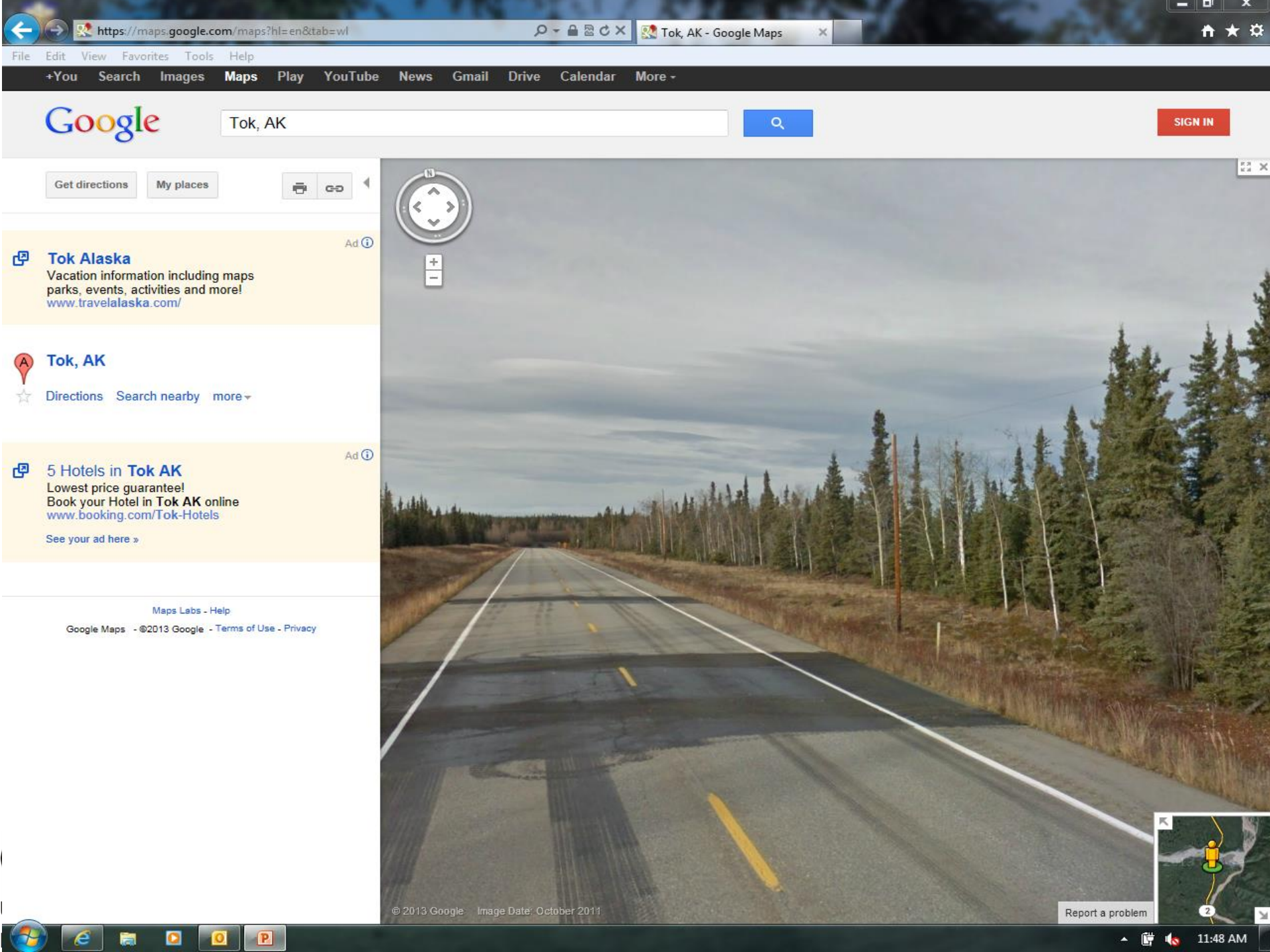


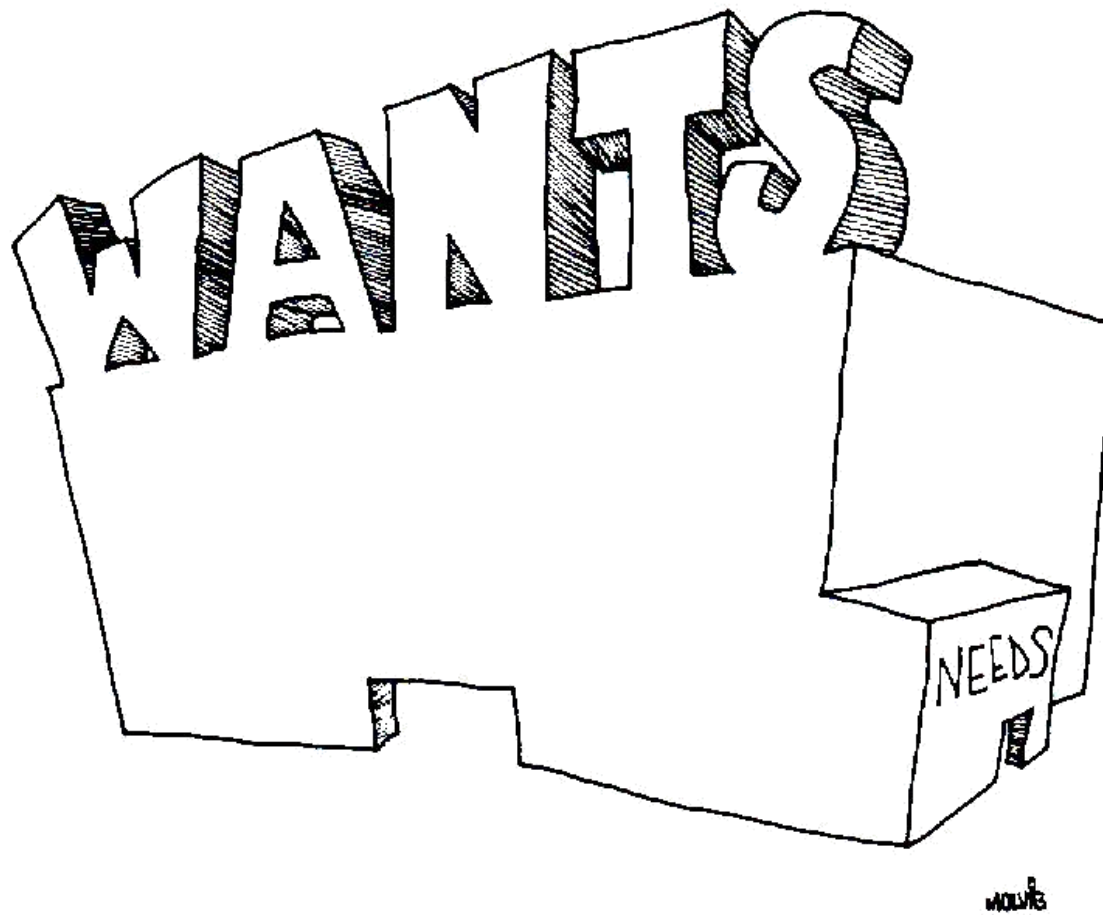
Interesting Issue II:

- What's reported?
- What's supposed to be reported?
- What data is reasonable to expect?









More Interesting III:

Adjustments?



Rutting?

IRI?

Cracking?

ADT?

Faulting?



ISO!!

AASHTO!!

ASTM!!

Use Ours!!!

Proprietary!!

**What
Standards??**

Trust Us!!!

Standards??



Interstate Highways:

Eastbound = Westbound?

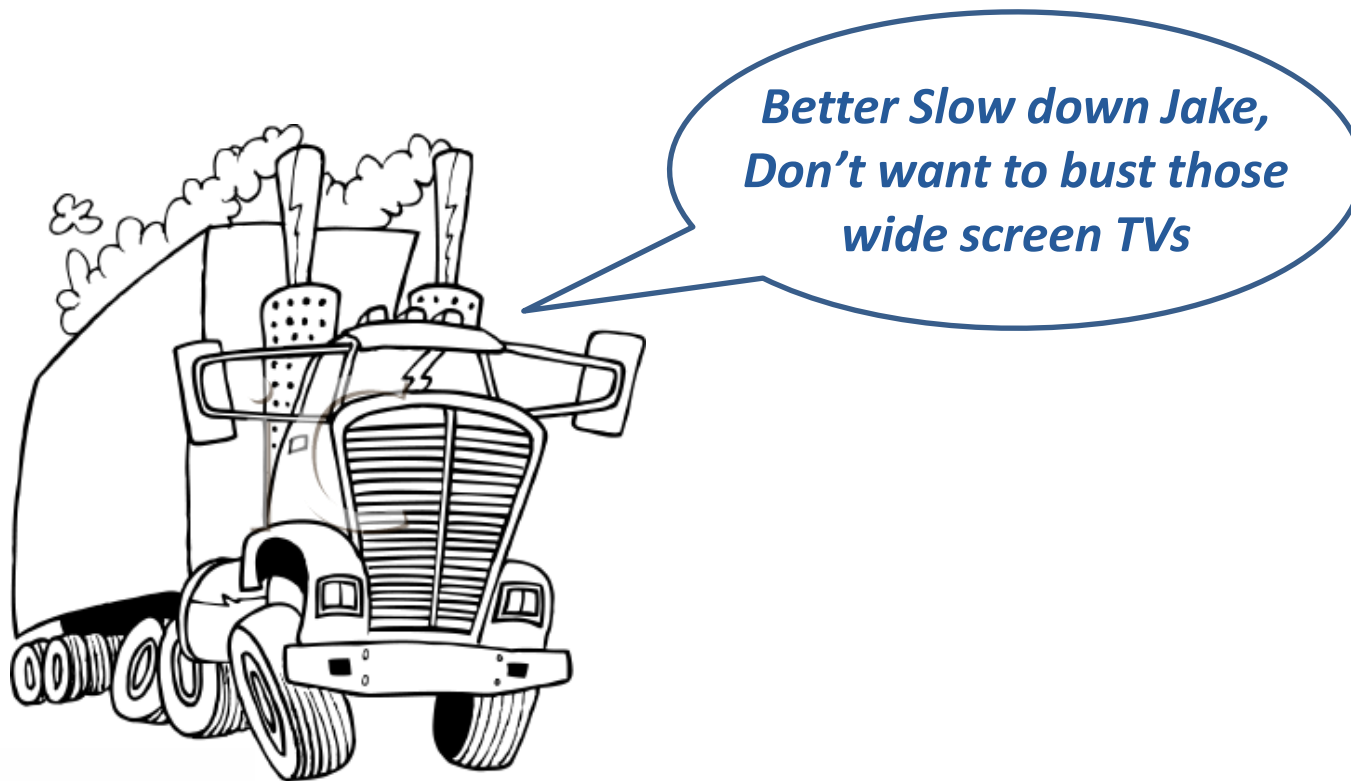
Northbound = Southbound?

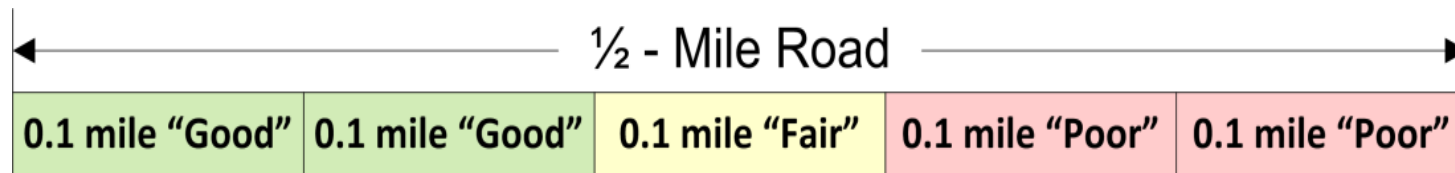
Inside Lane = Outside Lane?



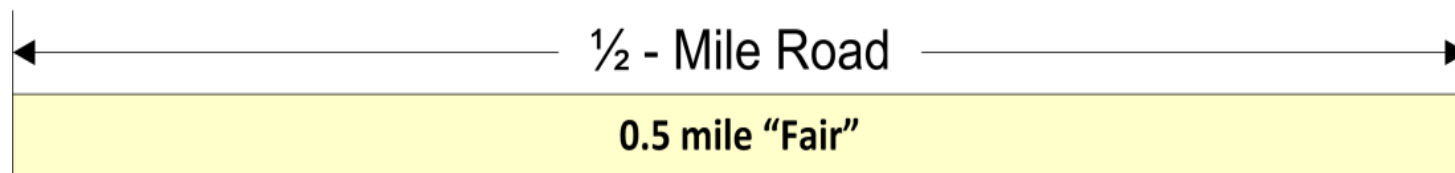
More Questions???

Rural Highways = Urban Highways?





(a)



(b)

Figure X - A $\frac{1}{2}$ -mile road is measured at (a) 0.1-mile section and (b) the same road is measured at 0.5-mile section





Reporting Frequency???



What about Samples?

But, don't you have to be careful to measure similar kinds of things, like number of sick people?

I don't know, can we?

Scientists use Statistics all the time to estimate stuff...

We could do that with highway pavements, couldn't we?

Maybe using Samples is not such a good idea...



IRI= 169.3 in/mi

Cracking = 28.349%

Cross-slope = 12.376%

AADT=2933

Rutting=.....!!!!

*#@ *&%\$!= *(9763%^7.*

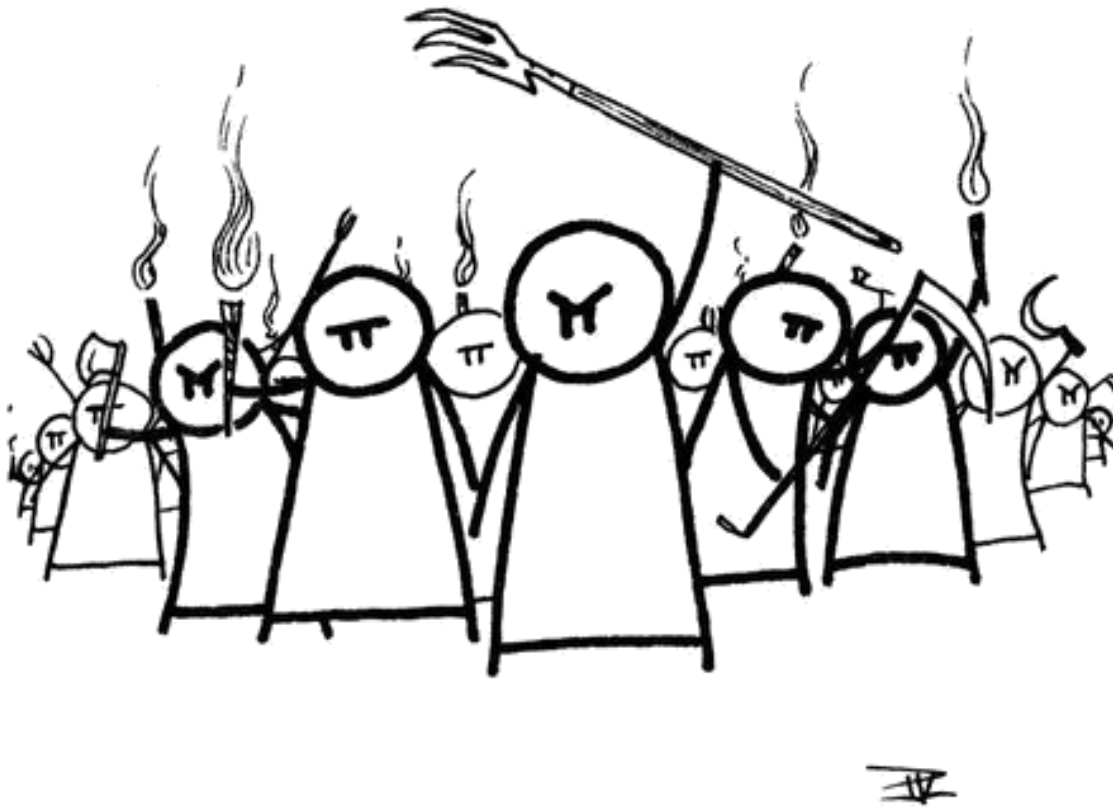
1 $\int x^2 dy$ $x^{2.3}$

**But, is it
Good, Fair
or Poor???**



Keep it Simple,
Sss...





Interested???

Send me your interesting comments:

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thomas.van@dot.gov



Thank You!

<https://one.dot.gov/fhwa/PPMKM/>

