

ARKANSAS

Long Range Intermodal Transportation Plan



LRITP Stakeholder Meetings

June 27-30, 2016





Agenda

- Overview of 2040 LRITP
- Highway Needs
- Non-Highway Needs
- Revenue Forecast
- Funding Gap
- Alternative Future Scenarios
- Performance Results
- MetroQuest Demonstration
- Next Steps
- Interactive Session

Long Range Intermodal Transportation Plan Goals



Safety and Security



Economic Competitiveness



Infrastructure Condition



Environmental Sustainability



**Congestion Reduction,
Mobility and System
Reliability**



**Multimodal Transportation
System**

Highway Needs Assessment (2016-2040)



Category		Estimated Multimodal Needs (millions \$)	Annual Need (millions \$)
Bridge	Rehabilitation	\$2,804.52	\$112.18
	Reconstruction	\$150.38	\$6.02
	Replacement	\$1,978.10	\$79.12
	Total Bridge	\$4,933.00	\$197.32
Highway	Preservation	\$8,734.97	\$349.40
	Reconstruction	\$18,231.56	\$729.26
	Expansion	\$3,044.00	\$121.76
	I-49 and I-69 Corridors	\$5,644.00	\$225.76
	Four-Lane Grid System	\$5,886.00	\$235.44
	Total Highway	\$41,540.53	\$1,661.62
Interchanges		\$820.00	\$32.80
Transportation System Support	Safety	\$1,750.00	\$70.00
	Maintenance	\$4,540.49	\$181.62
	ITS	\$88.00	\$3.52
	Total System Support	\$6,378.49	\$255.14
TOTAL		\$53,672.01	\$2,146.88

Non-Highway Needs (2016-2040)



Category		Estimated Multimodal Needs (millions \$)	Annual Need (million \$)
Public Transportation	Rural Transit	\$4,236.61	\$169.46
	Urban Transit	\$726.95	\$29.08
	Other	\$723.42	\$28.94
	Total Public Transportation	\$5,686.98	\$227.48
Rail Facility		\$1,722.48	\$68.90
Ports and Waterways		\$743.46	\$29.74
Bicycle and Pedestrian		\$1,001.80	\$40.07
TOTAL		\$9,154.72	\$366.19

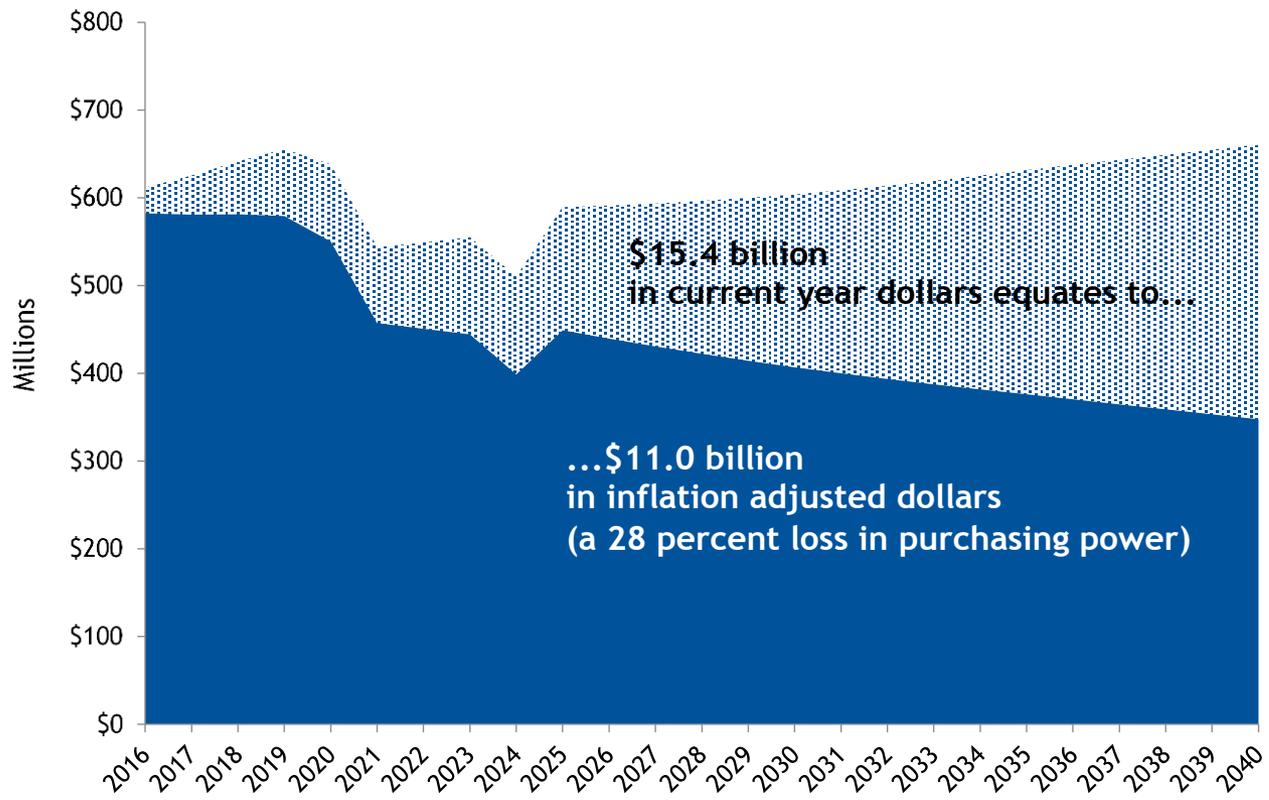


Baseline Revenue Forecast (2016-2040)

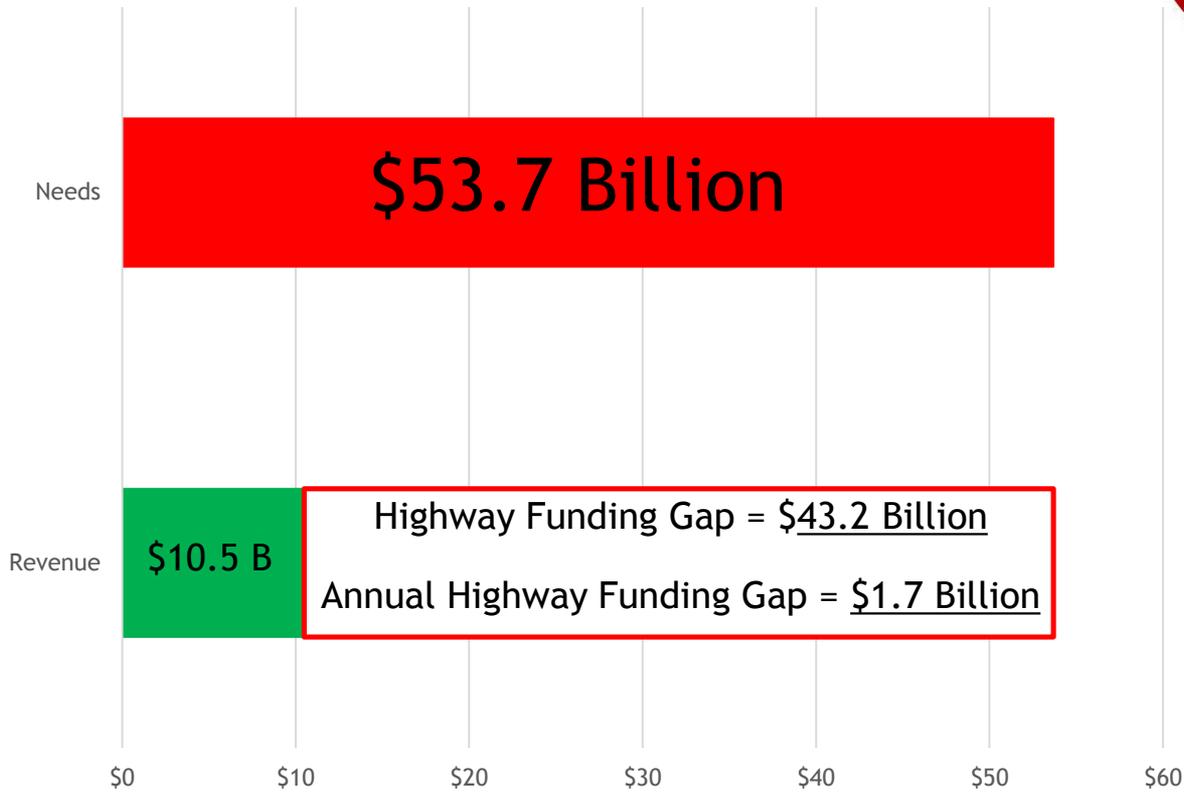
- The baseline revenue forecast assumes:
 - No changes to state or federal legislation which stipulate the amount of revenues AHTD receives.
 - No changes in tax rates, fee levels, or existing revenues.
 - No new revenue sources.
 - No proceeds from newly issued debt, general revenue appropriations from the State, or other special one-time funding.
 - 2.5 percent annual inflation factor
- 25-Year total revenue = \$15.4 billion (CY\$)
- 25-Year inflation adjusted revenue = \$11.0 billion (2014\$)

**This forecast does not include the recent
*Arkansas Highway Improvement Plan of 2016 revenue***

Baseline Revenue Forecast (2016-2040)

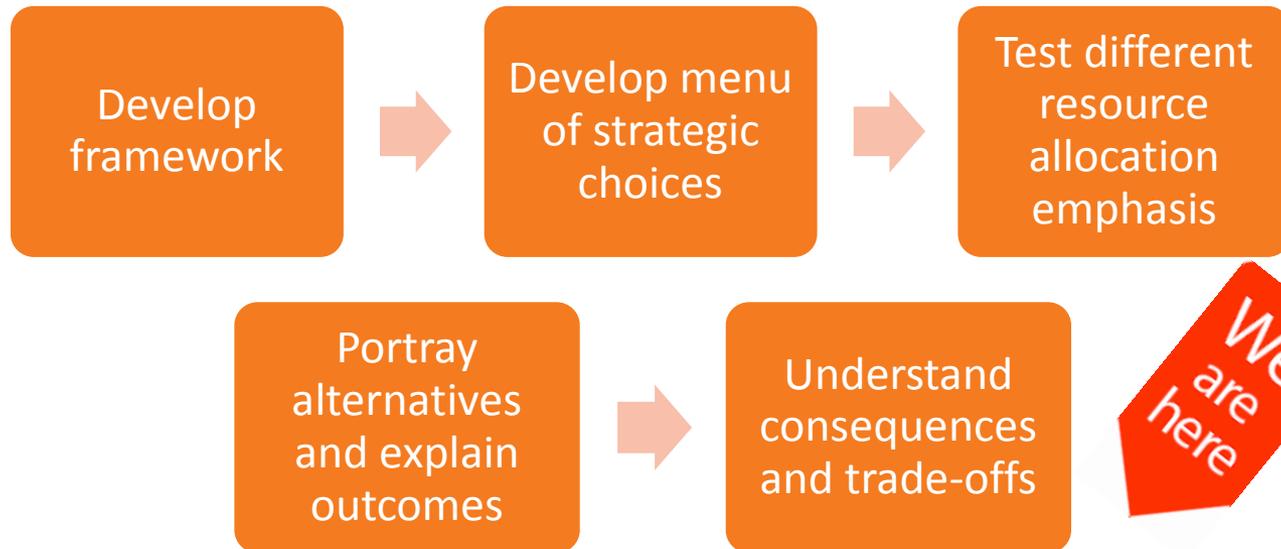


Highway Funding Gap



Alternative Future Scenarios

- Portray different scenarios to allocate resources
- Scenarios combine essential elements
 - Goals & objectives, needs, funding, and priorities



Keep it Smooth – Preserve the Investment

- Focus
 - Maintain and preserve the existing highway and bridge system
 - Higher priority on highway and bridges on the National Highway System (NHS)



Think Locally – Trade Globally

- Focus

- Enhance infrastructure investments that support industry retention and attraction
- Allocate funds to increase capacity and improve system conditions on key corridors to improve freight efficiency and connectivity



Connecting Communities – Forging Opportunities

- Focus

- Increase capacity to improve economic competitiveness.
- Allocate funds to complete the Four-Lane Grid System.



Bigger Cities – More Mobility

- Focus

- Allocate funds to alleviate urban congestion
- Emphasis on:
 - Congested corridors
 - Increasing transit operations
 - Preserving the existing urban system
 - Addressing gaps in the bicycle and pedestrian network

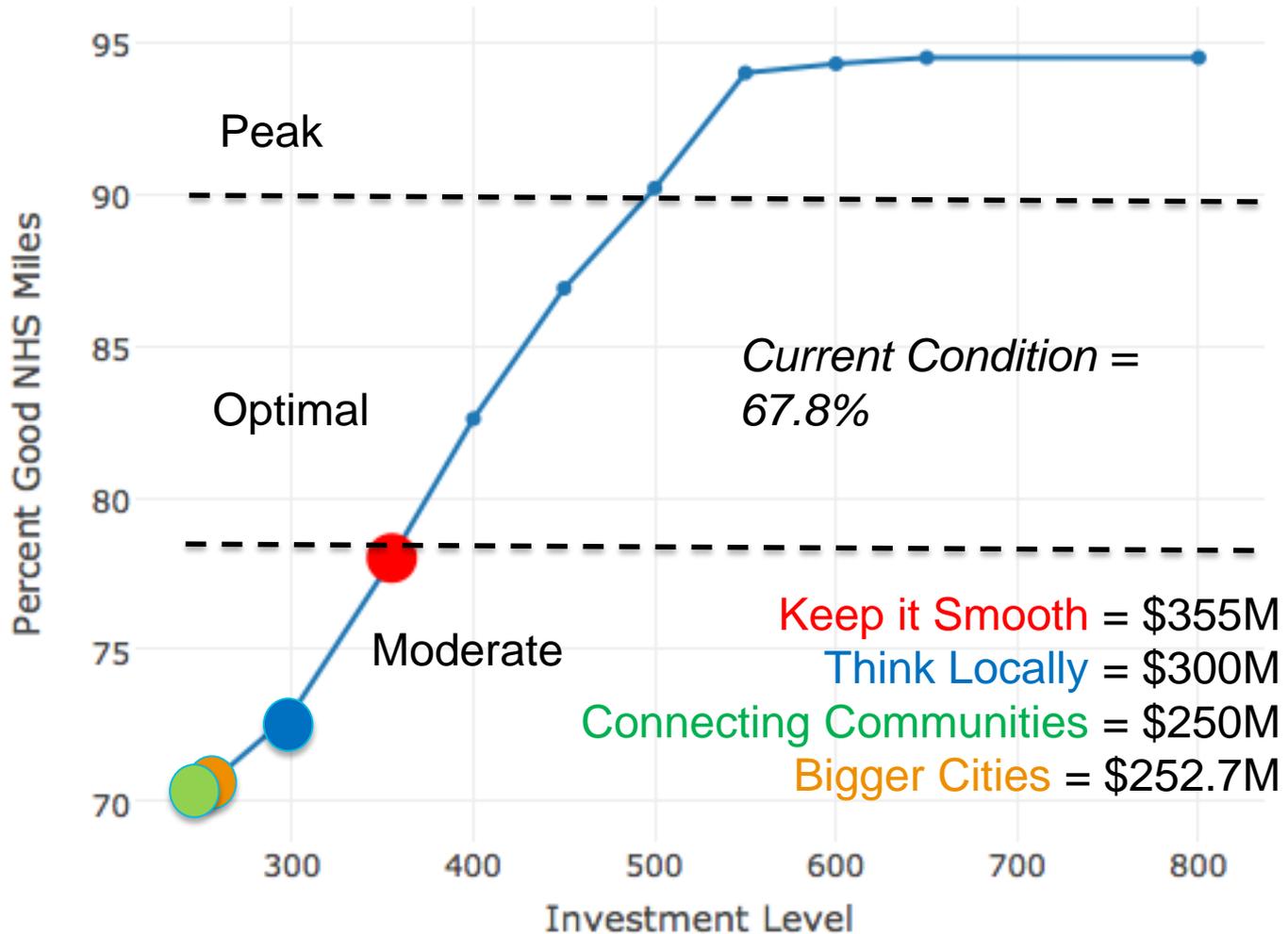


Pavement Performance



Annual Needs = \$10.8B

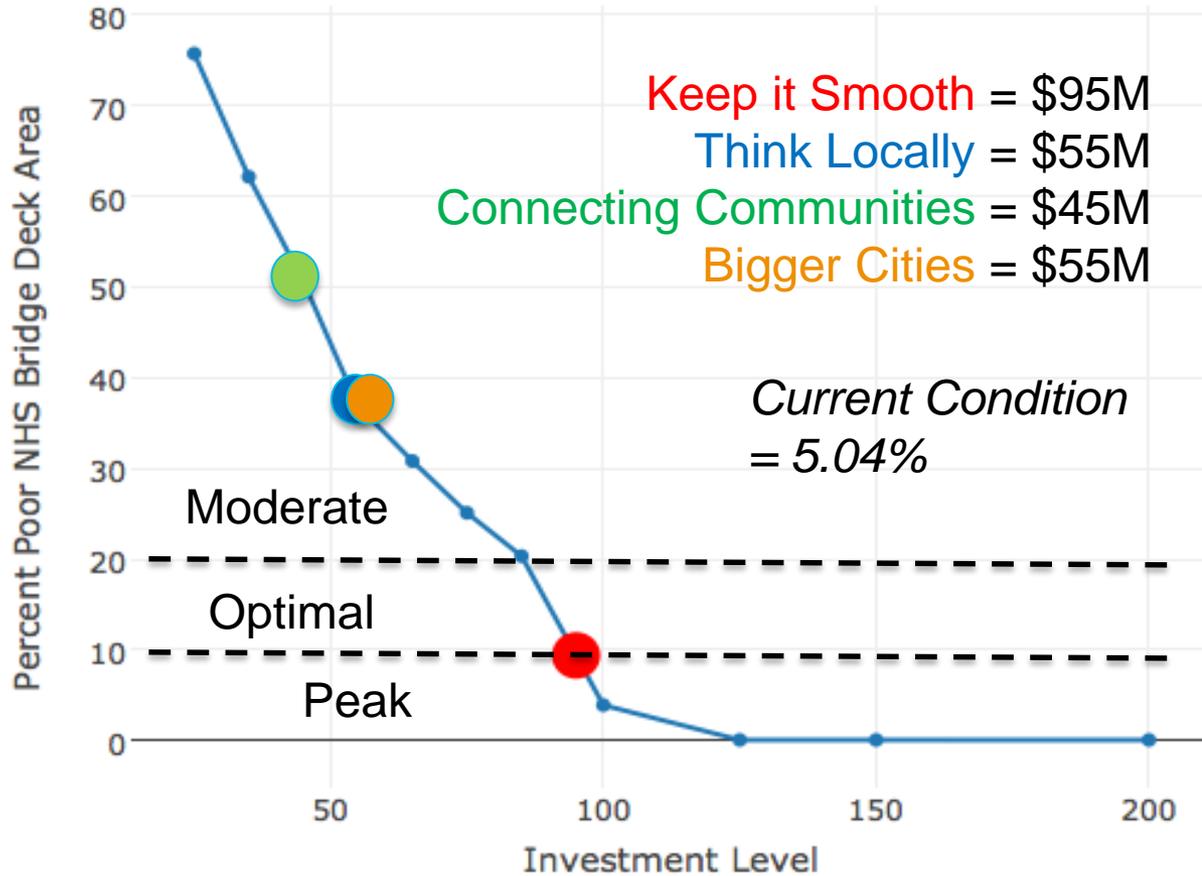
Pavement



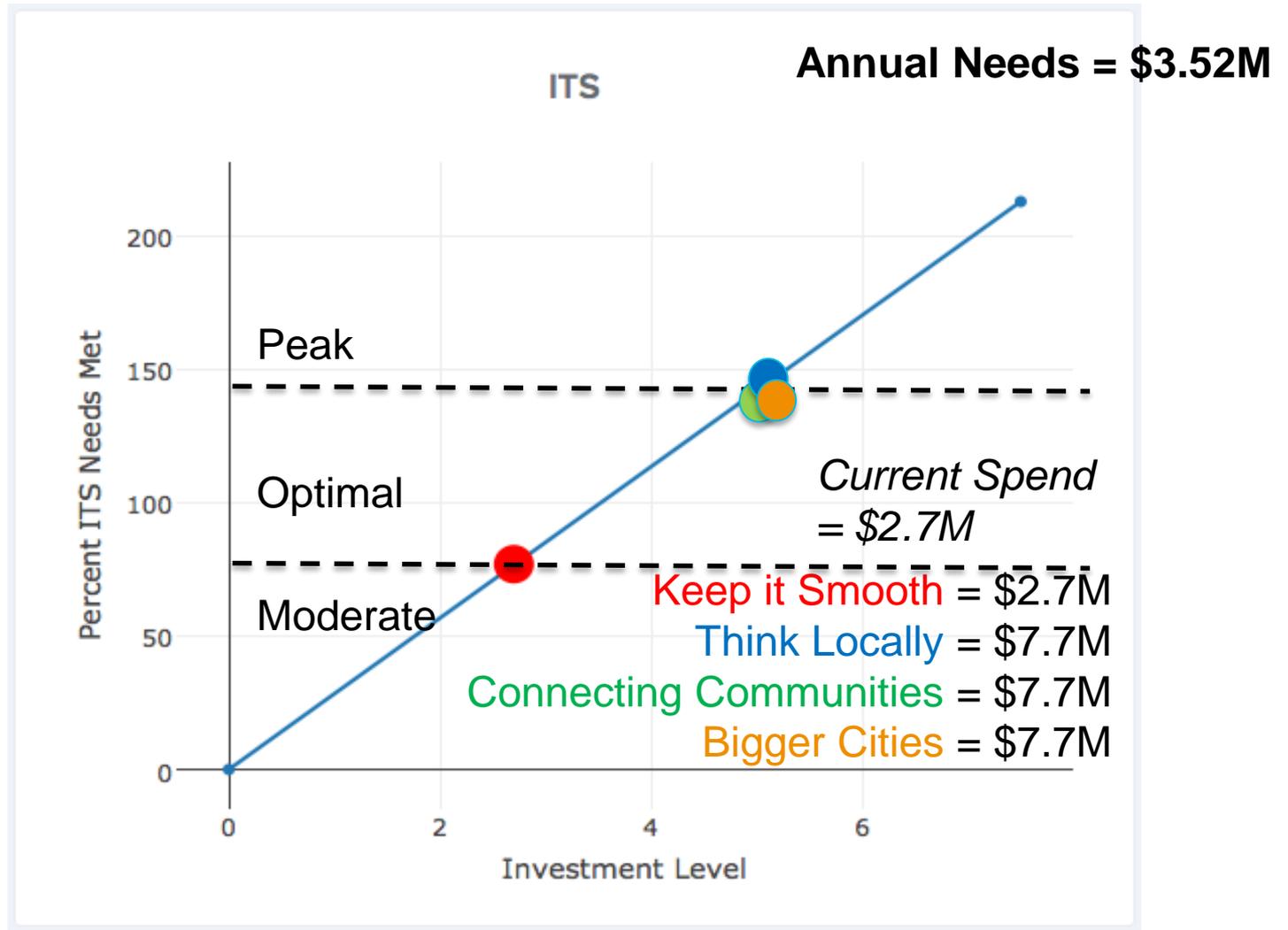
Bridge Performance



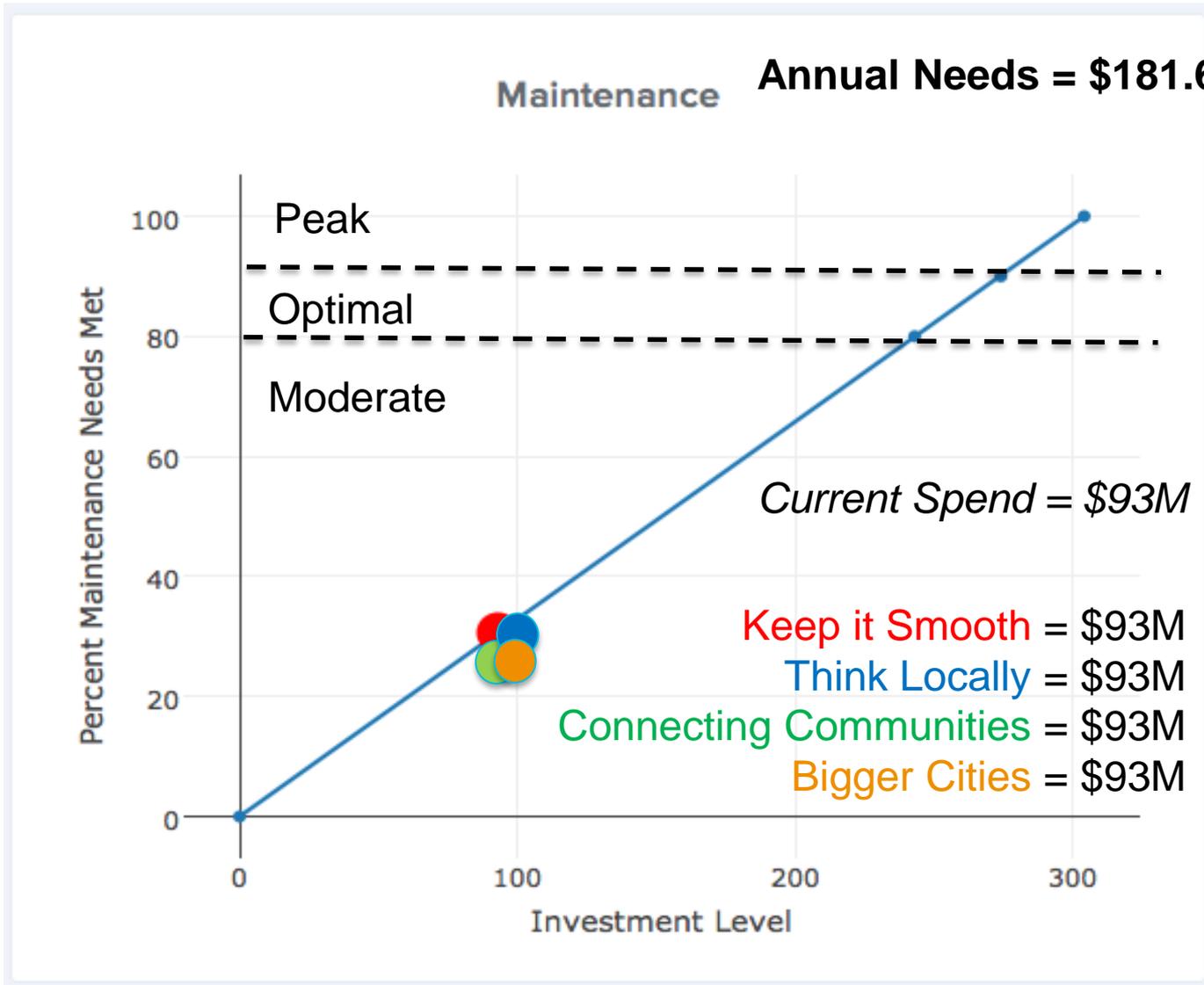
Bridge Annual Needs = \$197.32M



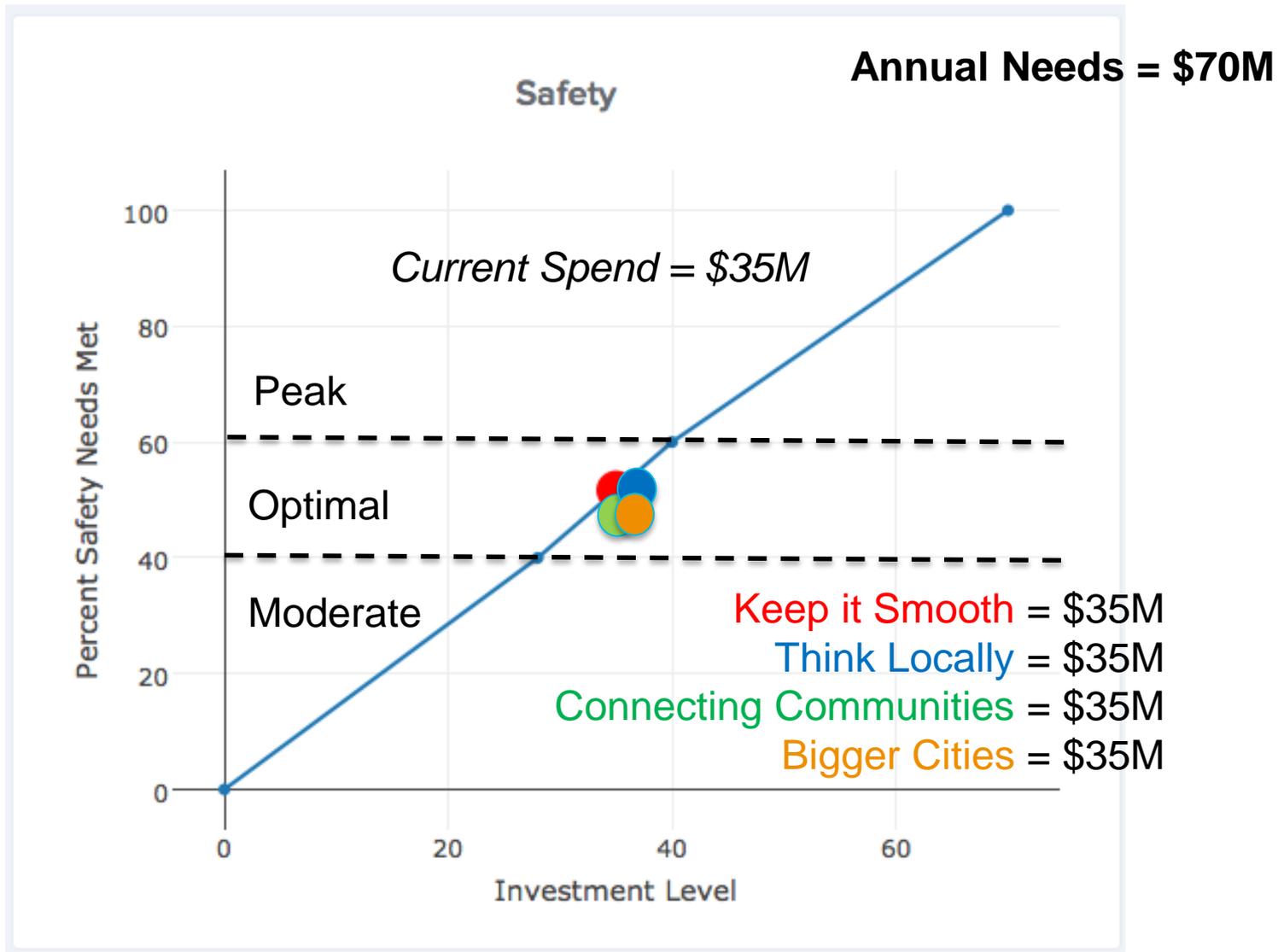
Smart Transportation (ITS) Performance



Maintenance Performance



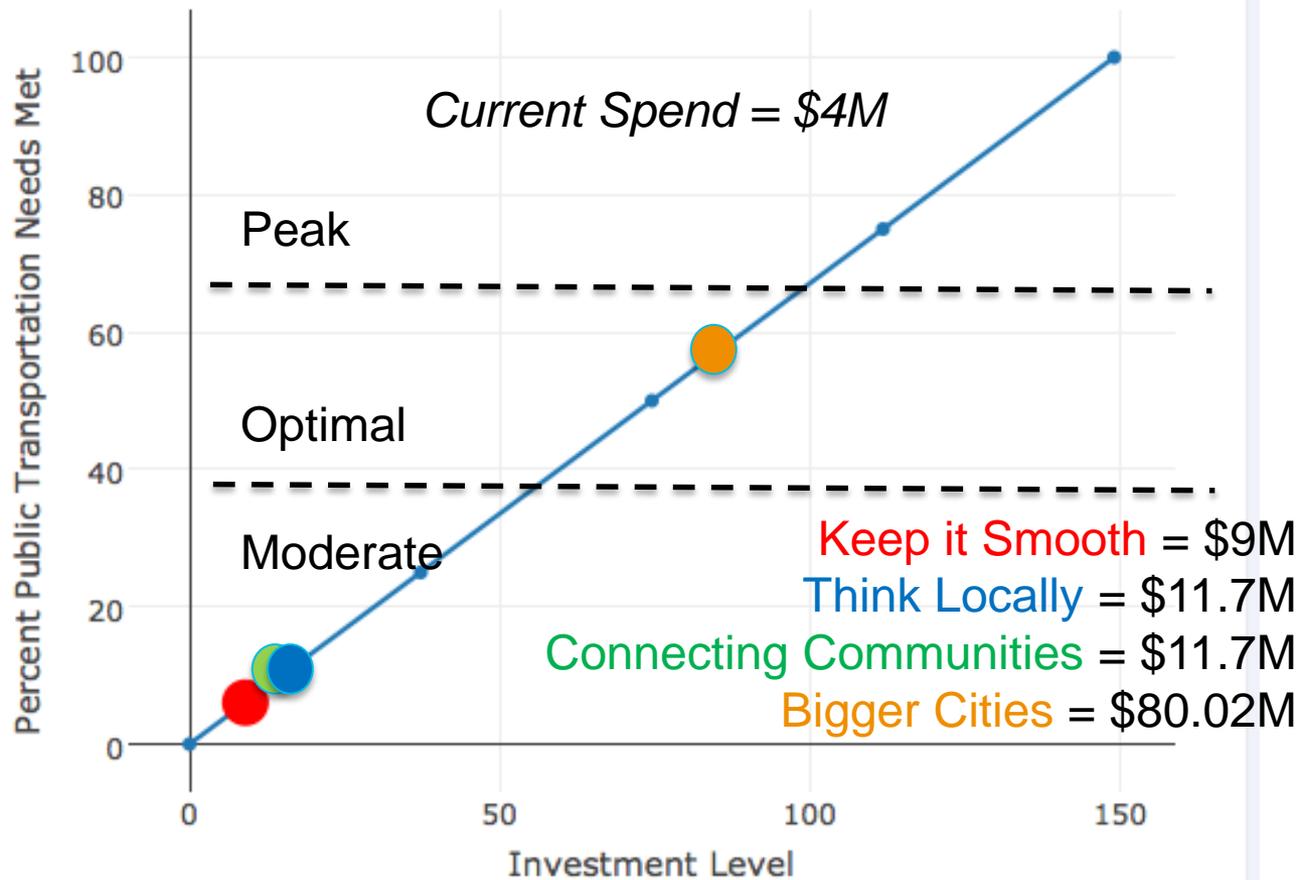
Safety Performance



Public Transportation Performance

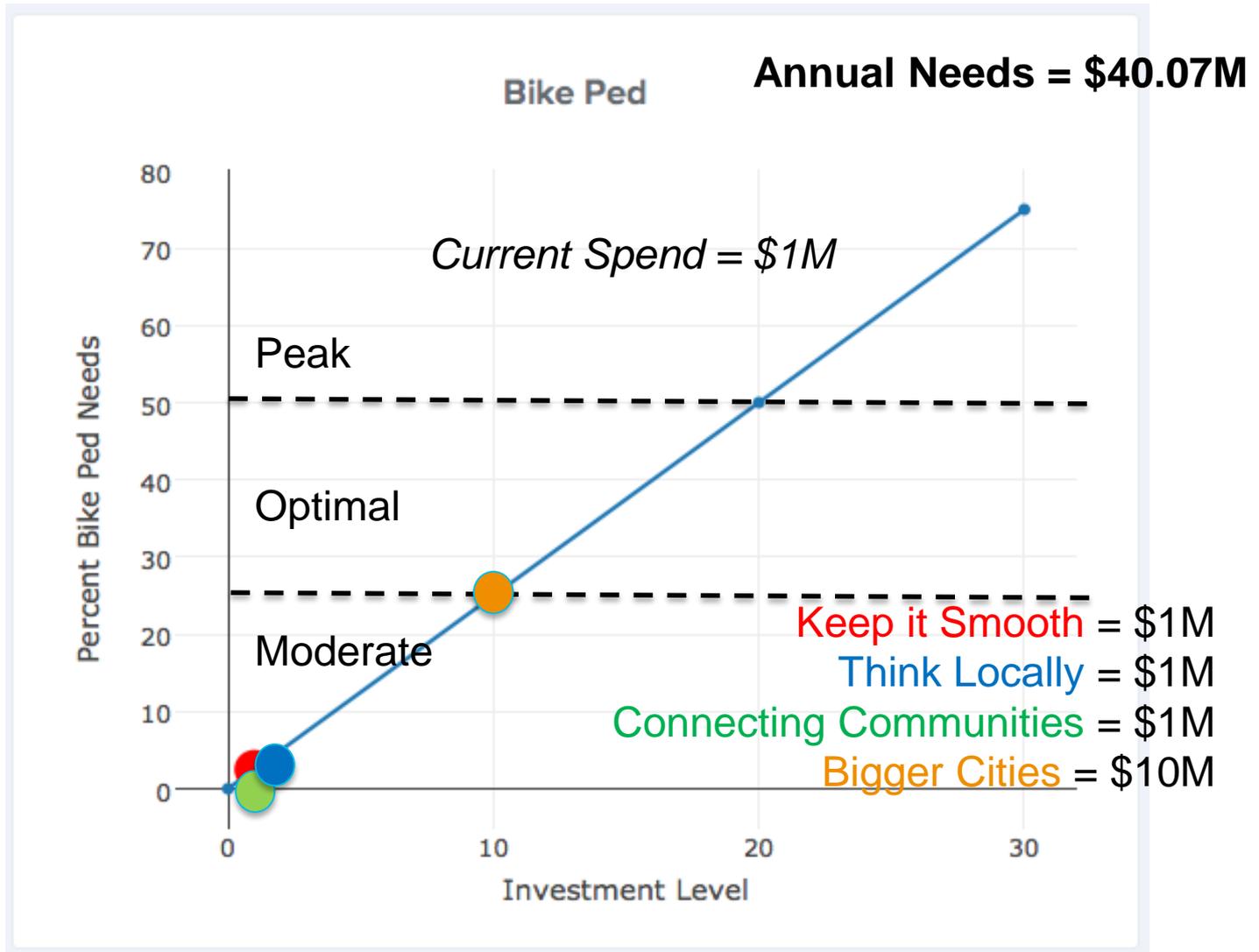


Public_Transportation Annual Needs = \$29.08M

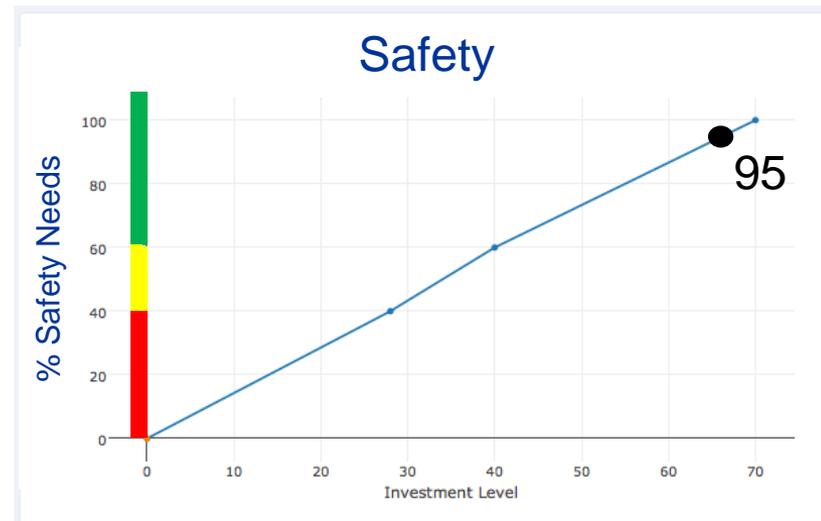
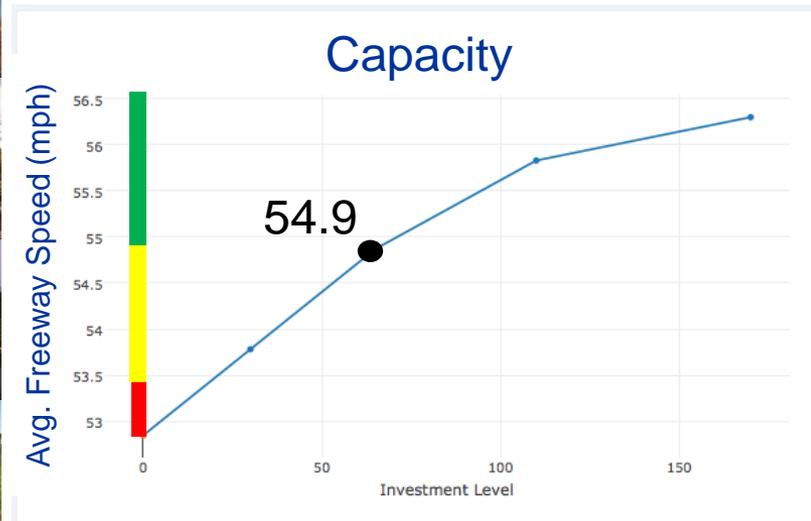
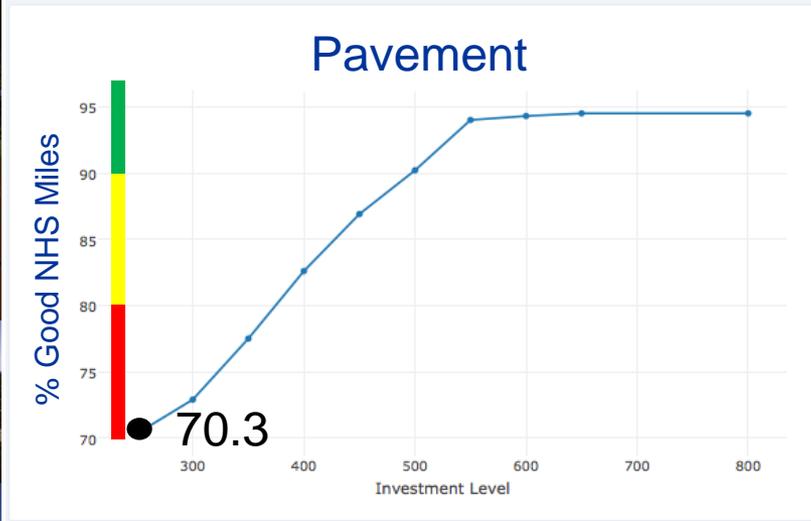




Bicycle & Pedestrian Performance



What if? Analysis

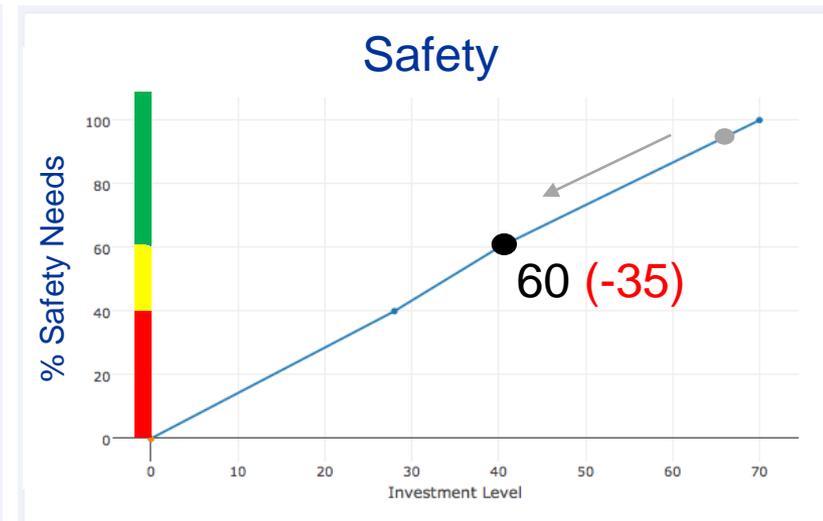
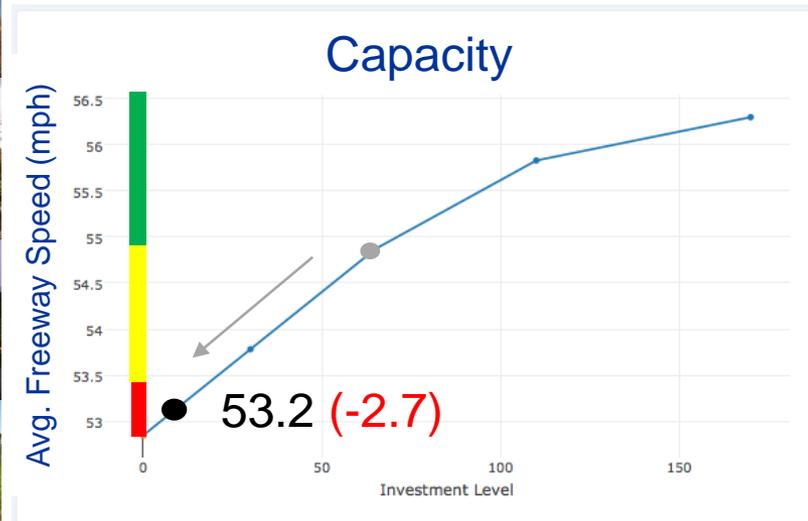
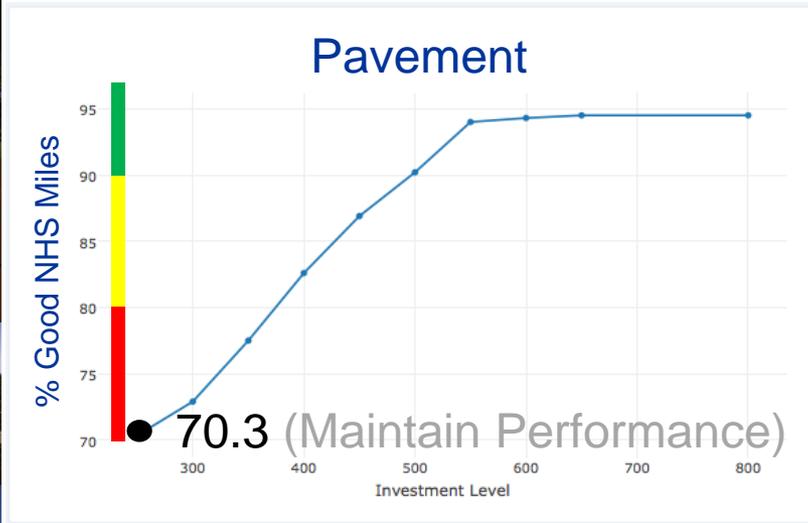


Budget = \$600.72M

~~-\$100.00M~~

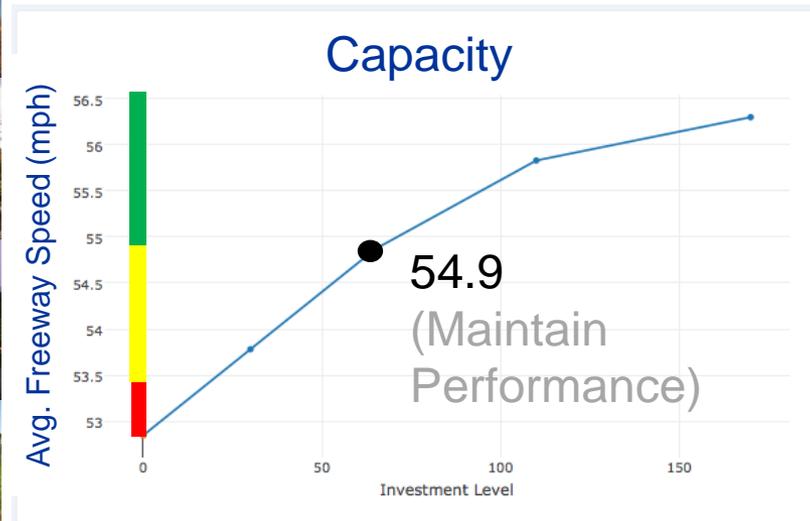
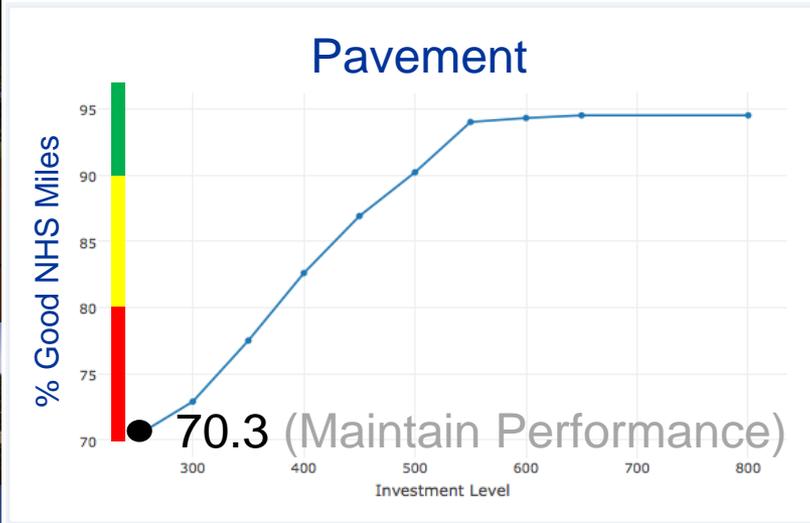
\$500.72M

What if? Budget Reduction



Budget = \$600.72M
+\$100.00M
\$700.72M

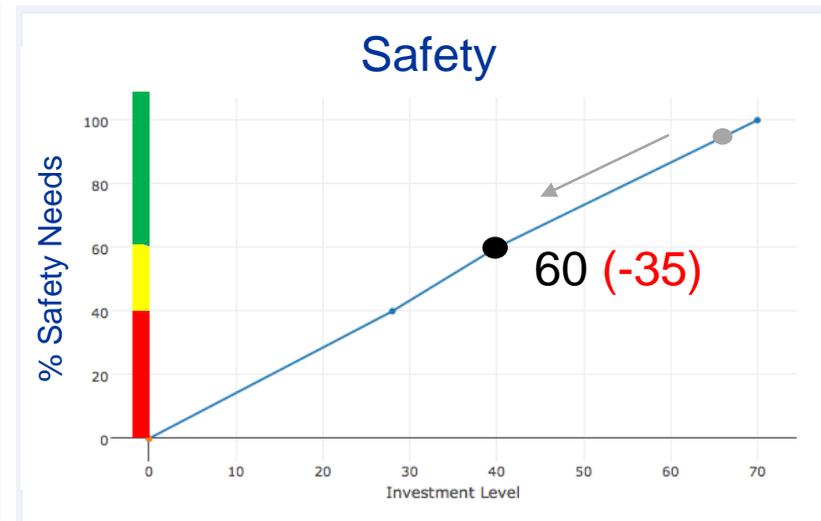
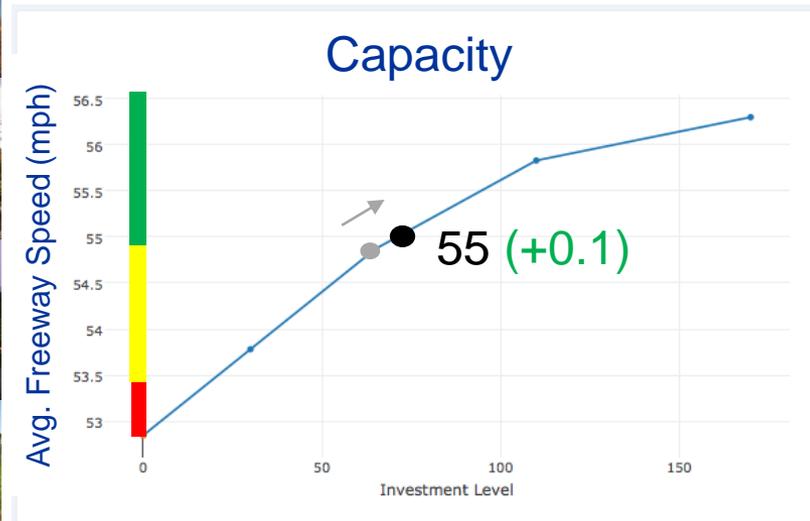
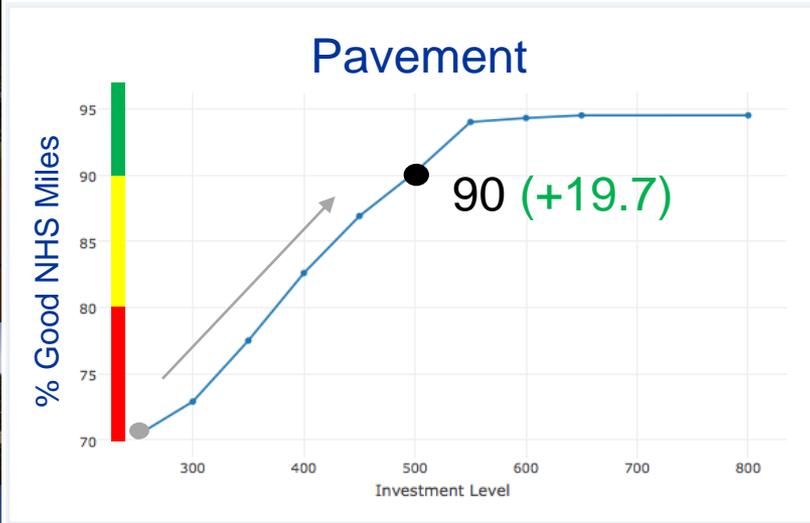
What if? Budget Increase





What if? Wanted Peak

Budget = \$600.72M
+\$539.30M
 Min Required = \$1140.72M



MetroQuest Live Demonstration

www.wemovearkansas.com/metroquest.html





Takeaways

- Links resource allocation to system performance
- Informs leadership on critical decision points
- Helps establish realistic priorities under current funding
- Provides guidance on setting reasonable targets
- AHTD needs more funding to
 - Maintain infrastructure conditions
 - Improve economic competitiveness
 - Connect communities
 - Invest in non-highway improvements
- *Clarifies AHTD's difficulty in meeting statewide expectations of stakeholders and general public*

Next Steps

- June-August
 - Use MetroQuest to engage statewide stakeholder input on priorities, alternative future scenarios, and funding levels
 - Complete draft LRITP
 - AHTD internal review
 - TPAG meeting #3
- September
 - Finalize LRITP
 - 30-day public comment period
- October-November
 - Website and video
 - Present to Commission to approve LRITP



INTERACTIVE SESSION



Questions

Long Range Intermodal Transportation Plan

Project Website

<http://www.wemovearkansas.com>

Project Email

AR_LRITP@ahtd.ar.gov

Project Facebook Page

<https://www.facebook.com/ARLRITP2040/>



LRITP Stakeholder Meetings

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