

2014 Enumeration Candidates

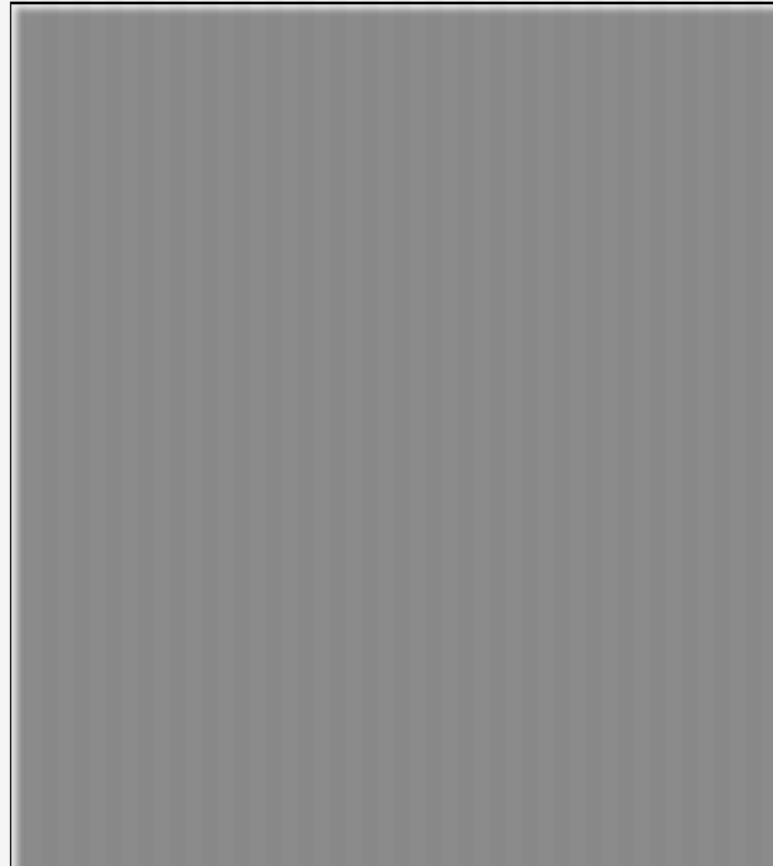
Three Potential Enumerations...

- 1. I 43 Milwaukee and Ozaukee Counties*
- 2. I 94 St. Croix County*
- 3. Wis. 50 Kenosha County*

2014 Enumeration Candidates

I 43 Silver Spring Drive to Wis. 60

- *14 Miles*
- *Originally
Constructed
In Mid-1960's*
- *\$448 Million
(2014 Dollars)*



2014 Enumeration Candidates

I 94 USH 12 to Wis. 65 (130th Street)

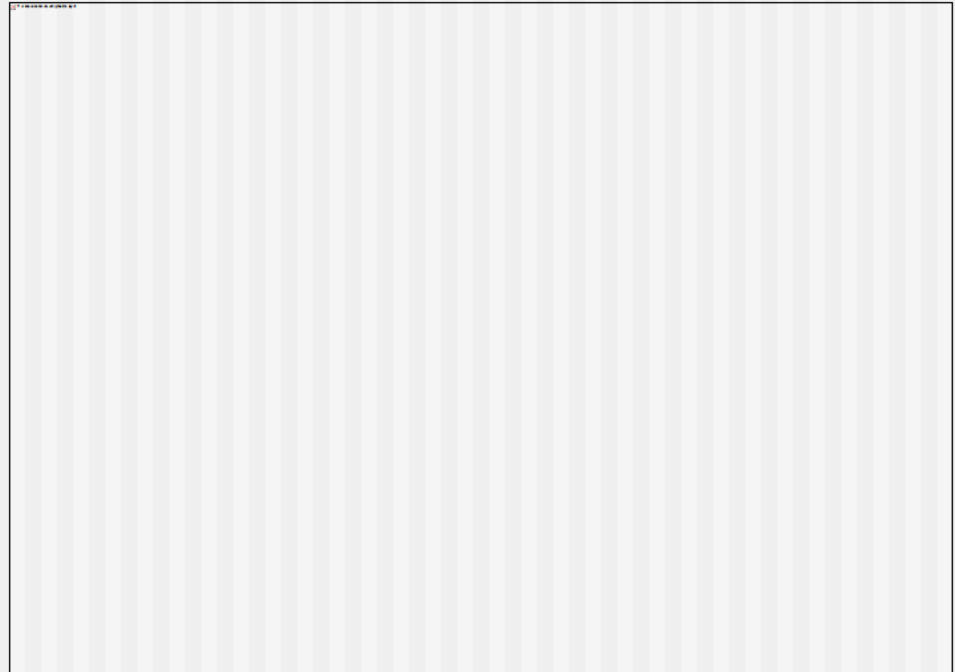
- *7.5 Miles*
- *Originally
Constructed
In Late 1950's*
- *\$129 Million
(2014 Dollars)*

Project Limits

2014 Enumeration Candidates

Wis. 50 I 94 to 43rd Avenue

- *4.4 Miles*
- *Pavement Originally Constructed In 1960's*
- *\$93 Million (2014 Dollars)*



Role Of The TPC In Enumerating Major Projects

1. Report Enumeration Recommendations By December 15th Of Even Numbered Years

✓ Does Not Apply To Wis. 50 Project

2. Approve, Modify, Or Disapprove All DOT Requests For Enumeration

Limiting Factors (I 43 And I 94 Projects Only):

✓ Funding To Begin Projects Within 6 Years

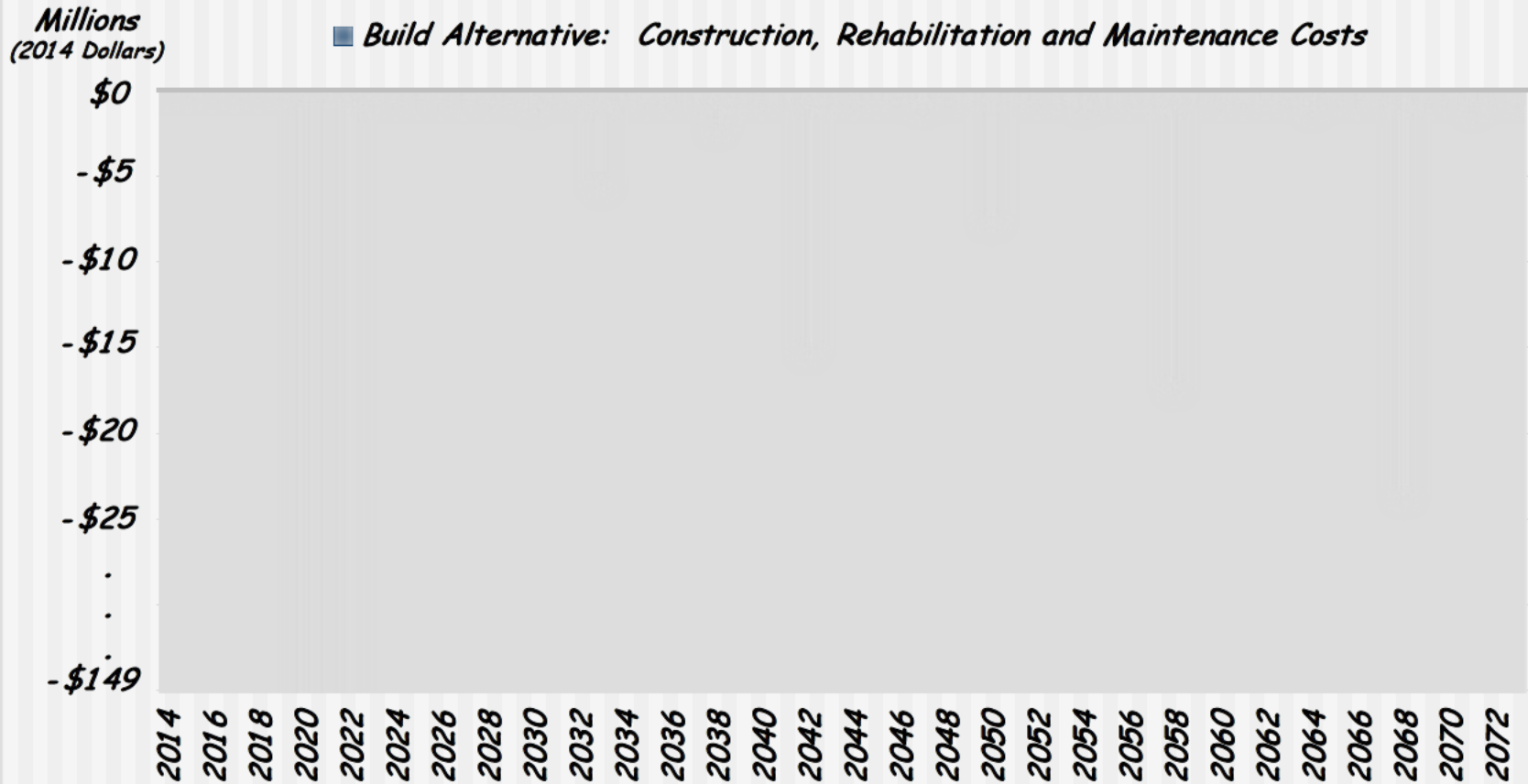
✓ Projects Have Approved Environmental Documents

Analysis Of Recommended Enumerations

Cost Considerations For Potential Enumerations

- *In Evaluating The Costs Of Potential Major Projects We Consider All Public Costs :*
 - ✓ *Initial Construction*
 - ✓ *Periodic Rehabilitation*
 - ✓ *Annual Maintenance*

Cost Considerations For Potential Enumerations - I 43 Example



Cost Considerations For Potential Enumerations

- *In Evaluating The Costs Of Potential Major Projects We Consider All Public Costs :*
 - ✓ *Initial Construction*
 - ✓ *Periodic Rehabilitation*
 - ✓ *Annual Maintenance*
- *We Calculate The Increase In Public Costs Caused By Each Potential Project*
 - ✓ *That Is, Costs Above And Beyond What The Public Would Need To Spend In The Absence Of The Potential Major Project*
- *Key Question: "Do The Increased Benefits Of A Potential Major Outweigh Its Increased Public Costs?"*

Cost Considerations For Potential Enumerations - I 43 Example

- *Alt. 1 - Costs If The I 43 Project **Is** Enumerated:*
*Construction, Maintenance
And Rehabilitation \$568 Million (2014 Dollars)*
- *Alt 2. - Costs If The I 43 Project **Is Not** Enumerated:*
*Maintenance, Rehabilitation
And Reconstruction \$489 Million (2014 Dollars)*
- *The Increased Public Cost Is \$79 Million, But This Ignores Differences In The Timing Of Costs Between The Alternatives*

Cost Considerations For Potential Enumerations - I 43 Example

- *The Timing Of Costs Is Important Because Of The Time Value Of Money*
- *Expressing Public Costs In Terms Of Their Equivalent Present Value Addresses The Timing Issue*
 - ✓ *The Concept Of Present Value Is Drawn From The Field Of Economic And Financial Analysis*
- *For I 43, The Present Value Of The Increased Public Costs Due To Enumeration Is \$140.3 Million*
 - ✓ *Greater Than \$79 Million Because Large Public Costs Will Occur Sooner If I 43 Is Enumerated*

Public Costs Associated With Potential Enumerations

Millions Of 2014 Dollars

<i>Project</i>	<i>PV Of Costs With The Project</i>	<i>PV Of Costs Without The Project</i>	<i>PV Of Increased Costs Of The Project</i>
<i>I 43</i>	<i>\$342.1</i>	<i>\$201.8</i>	<i>\$140.3</i>

↑
Preservation

↑
Expansion

Public Costs Associated With Potential Enumerations

Millions Of 2014 Dollars

<i>Project</i>	<i>PV Of Costs With The Project</i>	<i>PV Of Costs Without The Project</i>	<i>PV Of Increased Costs Of The Project</i>
<i>I 43</i>	<i>\$342.1</i>	<i>\$201.8</i>	<i>\$140.3</i>
<i>I 94</i>	<i>\$105.5</i>	<i>\$ 20.1</i>	<i>\$ 85.4</i>
<i>Wis. 50</i>	<i>\$ 74.5</i>	<i>\$ 40.9</i>	<i>\$ 33.6</i>

Preservation

Expansion

Public Costs Associated With Potential Enumerations

Millions Of 2014 Dollars

Project	PV Of Costs With The Project	PV Of Costs Without The Project	PV Of Increased Costs Of The Project
I 43	\$342.1	\$201.8 / 59%	\$140.3 / 41%
I 94	\$105.5	\$ 20.1 / 19%	\$ 85.4 / 81%
Wis. 50	\$ 74.5	\$ 40.9 / 55%	\$ 33.6 / 45%

50%

Preservation

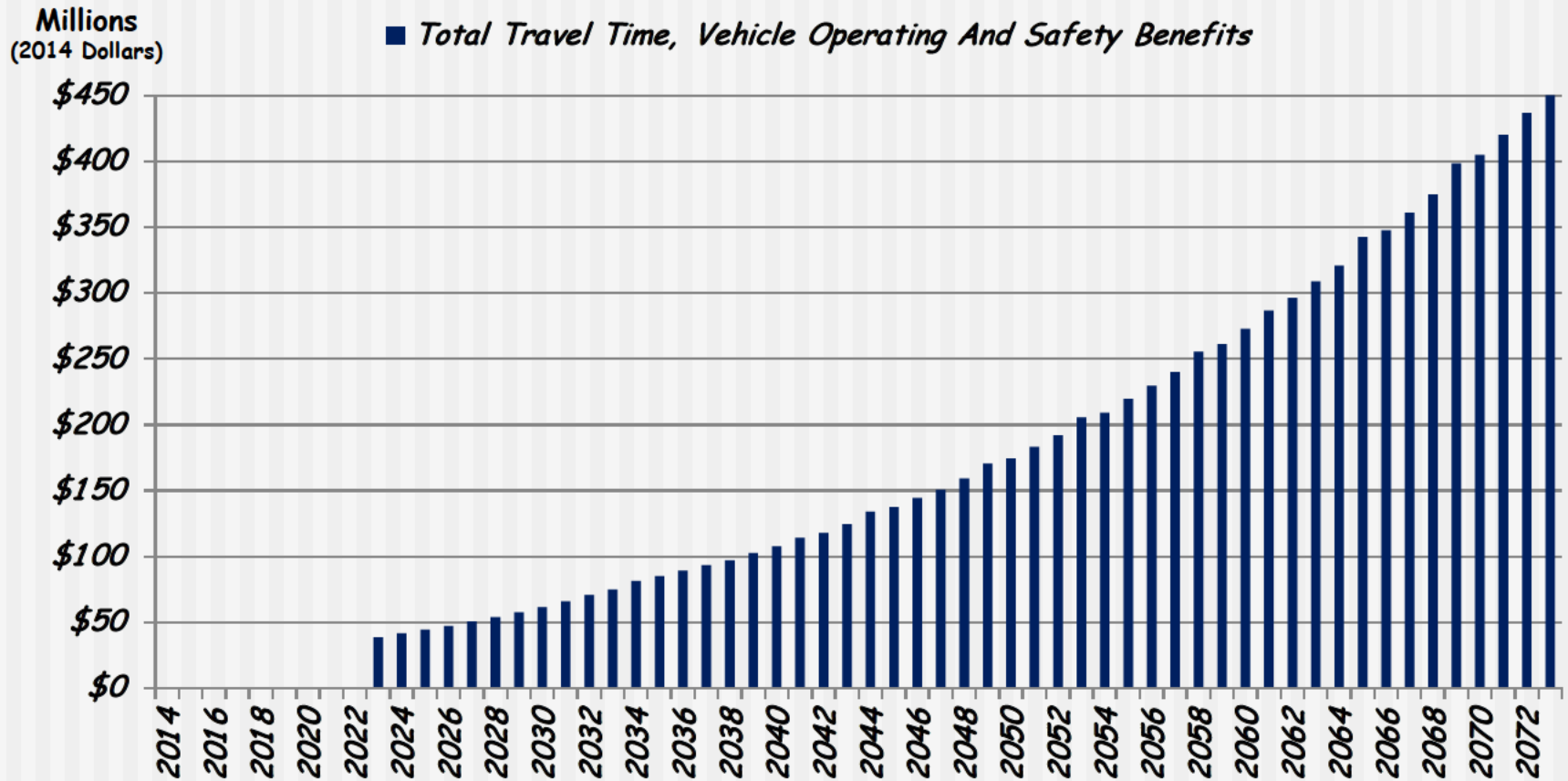
50%

Expansion

Critical Problems Are Addressed By Potential Enumerations

- *Slower Speeds Caused By Congestion*
- *Safety Concerns*
- *Unexpected Traffic Delays Due To Crashes, Vehicle Breakdowns, and Weather*

Use Benefits Due To Enumeration - I 43 Example



Benefits And Costs Of Potential Enumerations

Millions Of 2014 Dollars

<i>Project</i>	<i>Benefits Of The Project (PV)</i>		
<i>I 43</i>	<i>\$1,398.6</i>		
<i>I 94</i>	<i>\$ 482.5</i>		
<i>Wis. 50</i>	<i>\$ 285.0</i>		

Benefits And Costs Of Potential Enumerations

Millions Of 2014 Dollars

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<i>I 43</i>	<i>\$1,398.6</i>	<i>\$140.3</i>	
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Benefits And Costs Of Potential Enumerations

Millions Of 2014 Dollars

<i>Project</i>	<i>Benefits Of The Project (PV)</i>	<i>Increased Public Costs Of The Project (PV)</i>	<i>Benefits/ Costs</i>
<i>I 43</i>	<i>\$1,398.6</i>	<i>\$140.3</i>	<i>10.0</i>
<i>I 94</i>	<i>\$ 482.5</i>	<i>\$ 85.4</i>	<i>5.6</i>
<i>Wis. 50</i>	<i>\$ 285.0</i>	<i>\$ 33.6</i>	<i>8.5</i>

