

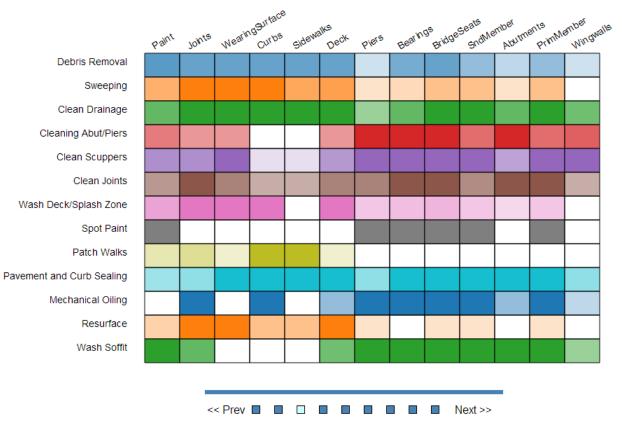
<< Prev
 Next >>



<< Prev
Next >>

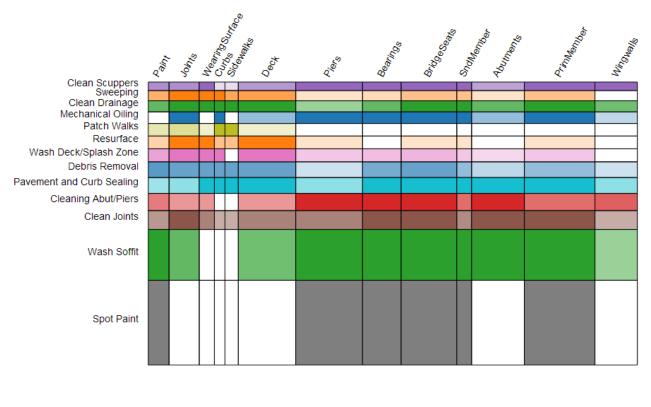
Importance Factors of Maintenance Activities on Bridge Elements

The matrix below describes the relative importance of each PM task to each bridge component. Opacity is set by the importance of the maintenance task to achieving the full life of the component.



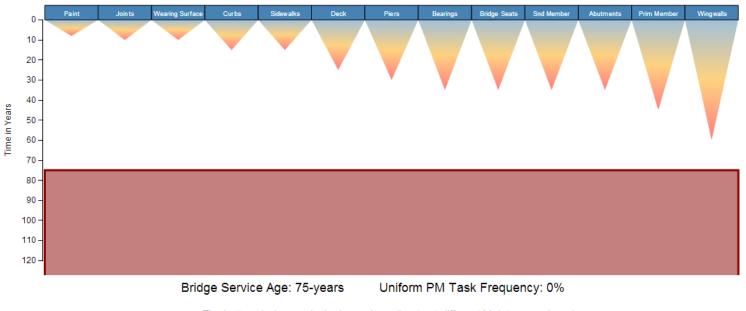
Importance Factors of Maintenance Activities on Bridge Elements

The matrix below describes the relative importance of each PM task to each bridge component. Opacity is set by the importance of the maintenance task to achieving the full life of the component.



Maintenance Model Simulation

The display below simulates the basic functions of the preventive maintenance model



The buttons below scale the longevity estimate at different Maintenance Levels

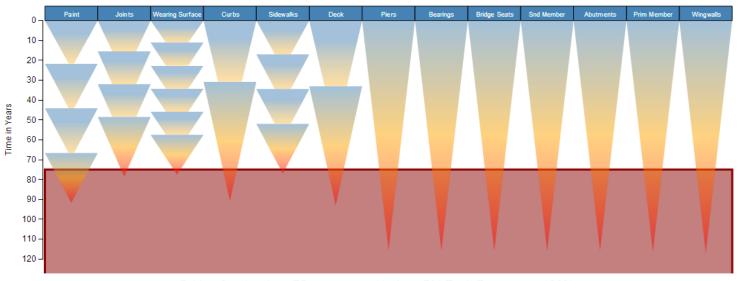
Uniformly Increase Preventive Maintenance by 20% Ideal Preventive Maintenance

© Equal Sized Components
© Component width Weighted by Repair Cost

<< Prev

Maintenance Model Simulation

The display below simulates the basic functions of the preventive maintenance model



Bridge Service Age: 75-years

Uniform PM Task Frequency: 100%

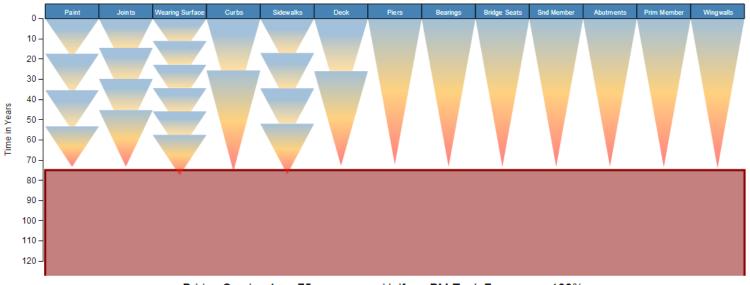
The buttons below scale the longevity estimate at different Maintenance Levels Uniformly Increase Preventive Maintenance by 20% Ideal Preventive Maintenance

Equal Sized Components
 Component width Weighted by Repair Cost



Maintenance Model Simulation

The display below simulates the basic functions of the preventive maintenance model



Bridge Service Age: 75-years Uniform PM Task Frequency: 100%

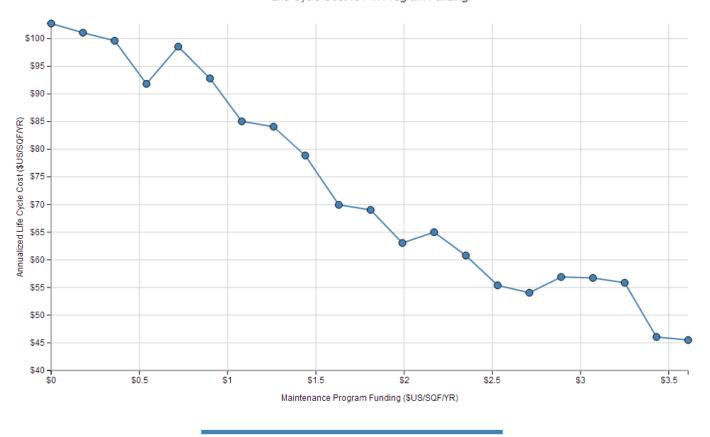
The buttons below scale the longevity estimate at different Maintenance Levels

Uniformly Increase Preventive Maintenance by 20% Ideal Preventive Maintenance

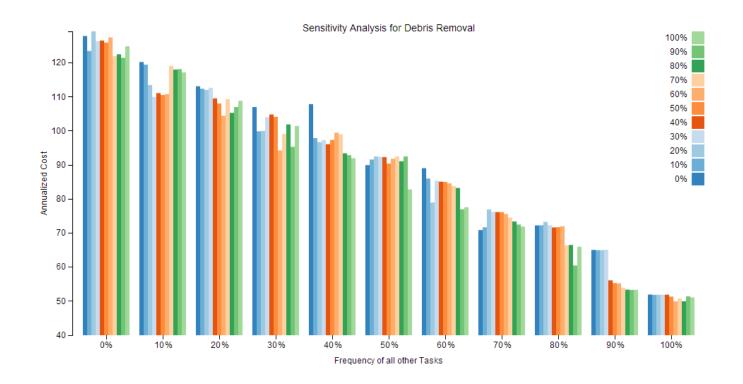
• Equal Sized Components
• Component width Weighted by Repair Cost



Life Cycle Cost vs PM Program Funding

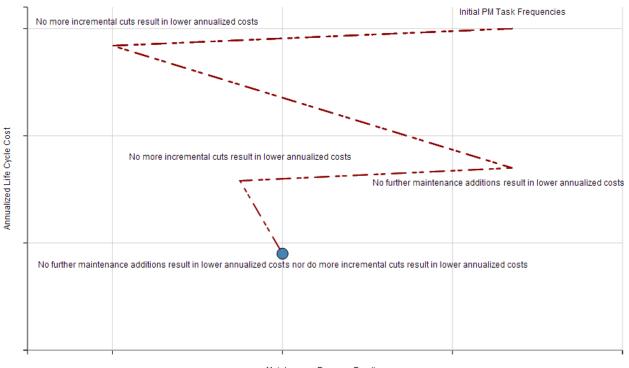


Presentation by <u>Cole Richards</u> CDOT Staff Bridge Next >>



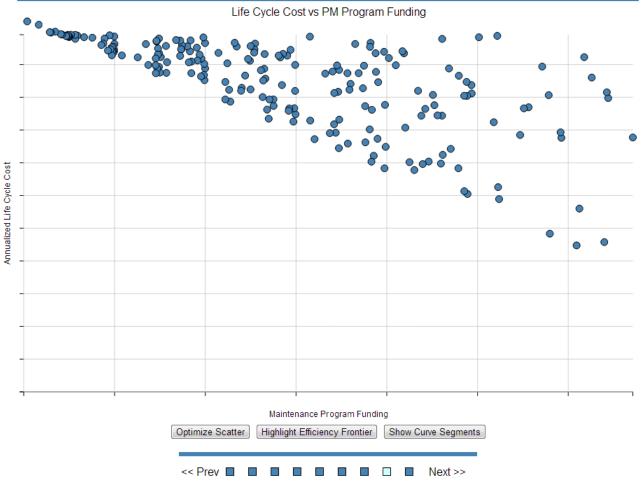


Life Cycle Cost vs PM Program Funding

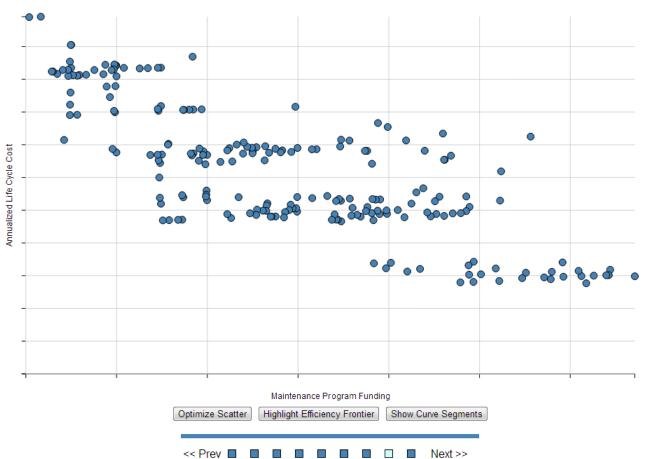


Maintenance Program Funding

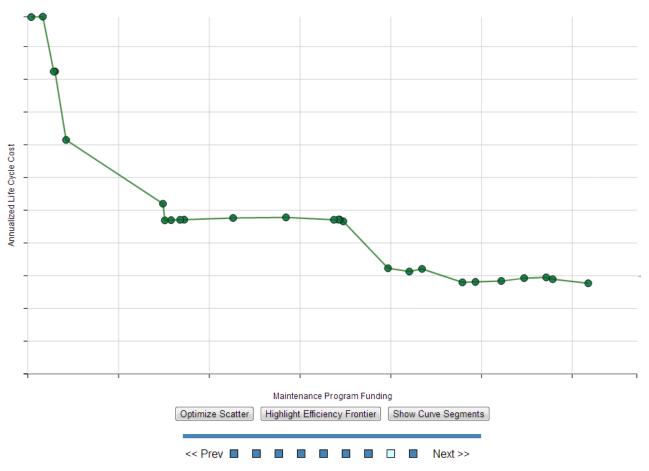




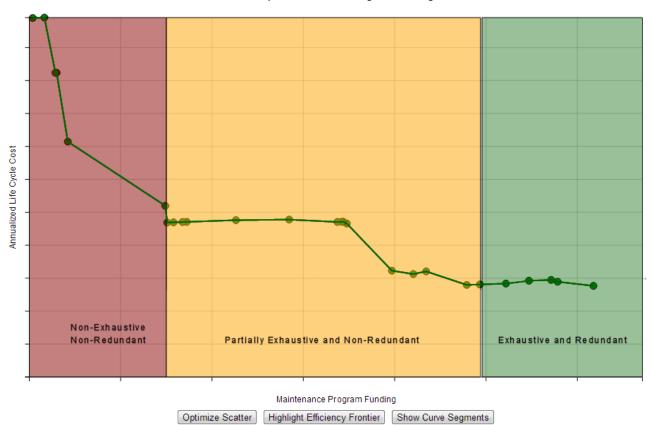
Life Cycle Cost vs PM Program Funding



Life Cycle Cost vs PM Program Funding



Life Cycle Cost vs PM Program Funding



Presentation by <u>Cole Richards</u> CDOT Staff Bridge Next >>

<< Prev

So What?

- A simple and understandable way to present the mechanics of preventive maintenance to decision makers (read: funding)
- Helps agencies keep sight of fundamental asset management questions.
- Model optimization may reveal bias in assumptions or errors in data and/or analysis.
- Model optimization aids in the initial decisions on where to emphasize program efforts/expenditures
- Easy to develop and maintain in-house.

Questions?

