

Infrastructure Optimization

With fewer dollars available and fewer resources to perform the work, doing more with less is the reality for managers of infrastructure.

The real question is how to do more with less? The answer: one proven solution—Infrastructure Optimization (IO).

Woolpert's IO Toolset improves decision-making for:

- Risk assessment and management
- Baseline replacement costs and predicted renewal times
- Optimized decision-making
- Renewal and maintenance prioritization
- Renewal and maintenance materials alternatives (and associated cost impacts)
- Capital investment vs. enhanced maintenance
- Capital investment timing
- Long-term fiscal alternatives
- Short-term packaging for capital projects

Extend the power of your work management system to a true asset management program with Woolpert's Infrastructure Optimization Toolset.

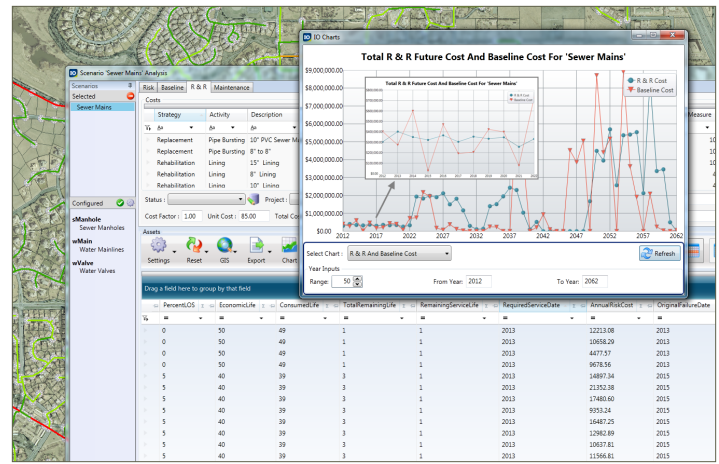
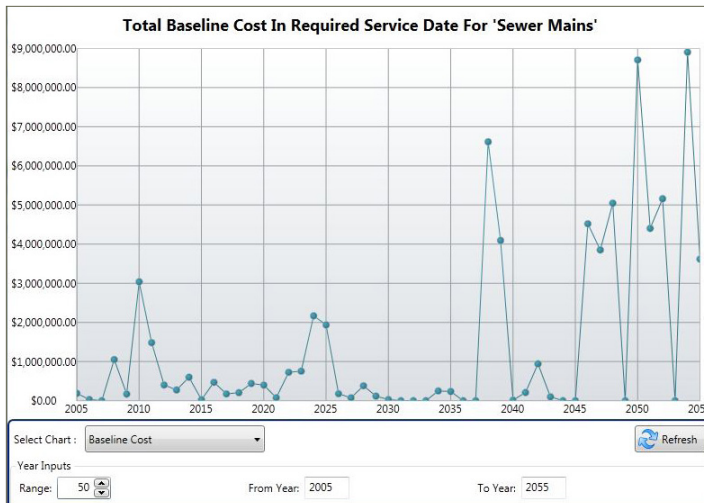


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IO is an ESRI® ArcGIS extension/add-on that leverages your GIS, EAM/CMMS and third-party data investments and extends the functionality of your current work and asset management system. IO provides a structured, quantitative approach that empowers asset managers to make “when-and-where” decisions by evaluating, understanding and managing risk, which supports effective prioritization of maintenance and capital improvement expenditures. IO has four key tools:

- **Risk Tool**—calculates an asset’s overall risk by determining the probability of failure, consequence of failure and redundancy.
- **Baseline Tool**—enables the creation of standard replacement costs for existing infrastructure and provides a framework to predict assets’ physical and economic remaining life.
- **Optimization Tool**—allows the development of what-if scenarios, utilizing defined maintenance and renewal strategies. Through tabular and graphical comparisons to baseline replacement costs, decision-makers can forecast infrastructure improvements, plan budgets to operate at targeted levels of service and ensure overall sustainability now and in the future.
- **Reporting Tool**—produces executive-level, content-rich graphs and charts of maintenance strategies and scenarios. Exports to Microsoft® Excel.

With a low cost, IO is competitively priced for today’s sensitive budgets. Visit www.woolpert.com/IO or call us for a demonstration to see how IO can help your organization maximize the value of your asset management program.

“Woolpert did more than just help us implement our Asset Management system—they helped us plan our Asset Management program. In particular, their Infrastructure Optimization product allows us to calculate risk scores for all our assets, prioritize maintenance, and test different maintenance strategies and budgets. We can now generate an operating budget and a CIP plan that focuses our R&R on our most critical assets and the most cost-effective maintenance strategies. The Woolpert Infrastructure Optimization tool will truly help us maximize our budgets and extend the useful life of our assets.”

—Tom Mansfield, Operations Supervisor, Southgate Water and Sanitation Districts, Colorado

SOFTWARE REQUIREMENTS
 ARCGIS 9.3.1 OR HIGHER
 ARCGIS 10
 SUPPORT SQL AND ORACLE

For more information, please call 800.414.1045 or visit our website at www.woolpert.com

