

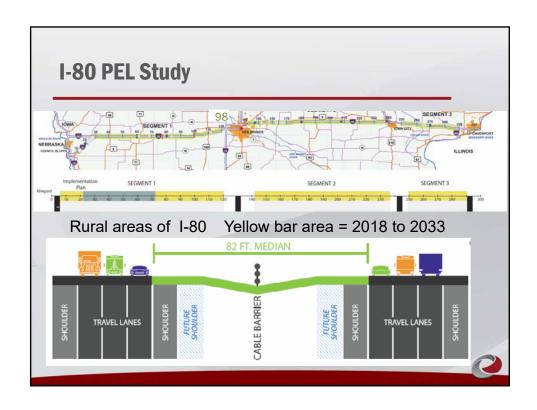
Initiatives

- Performance Based Design
- Traffic System Maintenance and Operations (TSMO)
- Asset Management
- Project Management



Project Management On Time On Budget But What Is The Budget?





I-80 PEL Study

Addresses funding options and viability

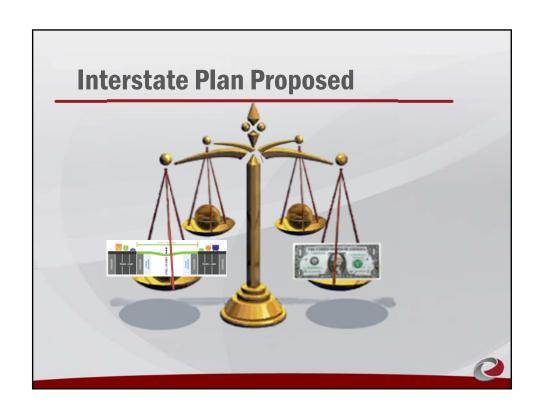
Paying for the I-80 Vision

The Vision will be constructed as funding is available. Given the limitations of current federal and State funding and the magnitude of the Vision's construction costs, it will take a number of years to fully implement the Vision. As a result, the Vision will be constructed in sections, or individual projects. On this pay-as-you-go basis, if the Vision was to be completed by around 2040, roughly three quarters of the department's Interstate funding would need to be dedicated to I-80 in the future.

With the option of tolling eliminated, the PEL concludes:

Based on current funding limitations, these assumptions are likely untenable in the long term



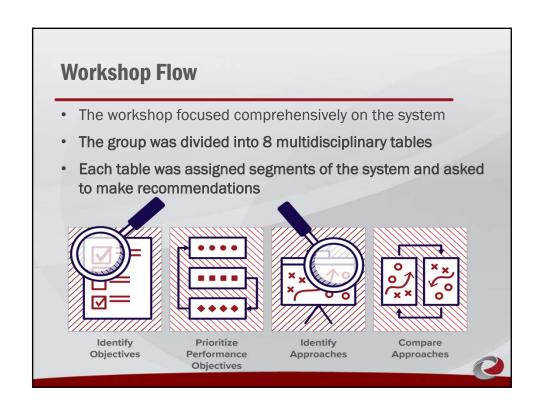






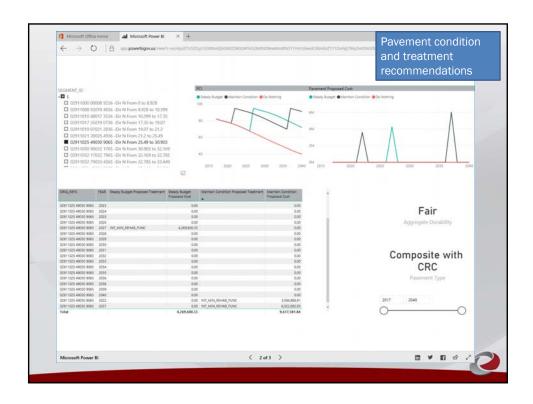


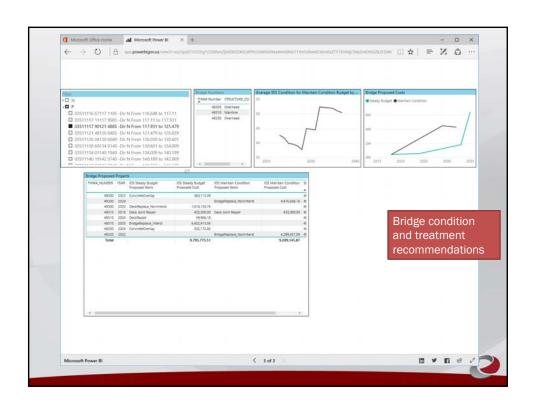
The Budget • For purposes of the workshop, we needed to assume a maximum budget Historical Percent of Program Dollars Invested in lowa Interstates 100% 90% 80% 70% 60% 50% 10% 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023











Recommendations

- Stewardship All of the participants recommended that the focus should be on preservation treatments to keep the system in its current state of good repair
 - \$80m of pavement stewardship was included each year
- Widening Options Many segments of I-80 have significant pavement life remaining, so expansion in those areas will first consider widening the existing pavement rather than a complete rebuild
 - This requires us to hold to a schedule
- Don't Add Capacity Some areas previously studied for expansion were not prioritized to be completed by 2040
- Delay with Technology Expansion projects in urban corridors will be limited and focus on technology solutions and other management strategies. TSMO/ICM

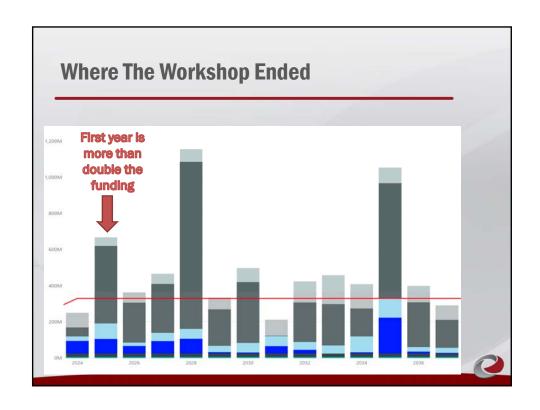
Expectations vs Reality

Expectations:

- We define the problem
- We give information
- We brainstorm
- We propose solutions
- We reiterate
- We solve the problem....wait....



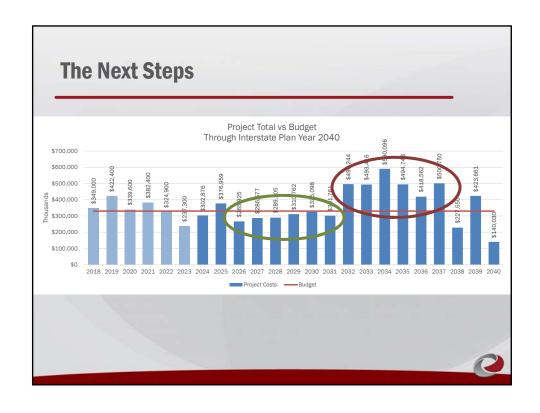


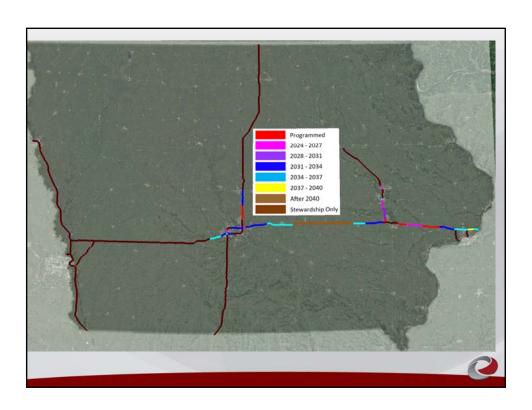


After the Workshop

- A lot to digest in two days
- QC of the concepts
- Refine cost estimates
- Additional reductions in the scope of work for projects
- Delayed projects until they matched the funding available









This Fits With Our Other Goals

- Performance Based Design
 - System thinking rather than project thinking
 - Reducing low impact upgrades on one project will allow us to get more miles addressed to achieve the high value upgrades
 - Better Timing of Projects to Minimize Potential Waste
- TSMO
 - Which is more valuable traffic management or geometric improvements?
 - Does our process reflect this? It is starting to...DSM ICM Study
- Asset Management
 - it doesn't make the news, so how do we emphasize it?



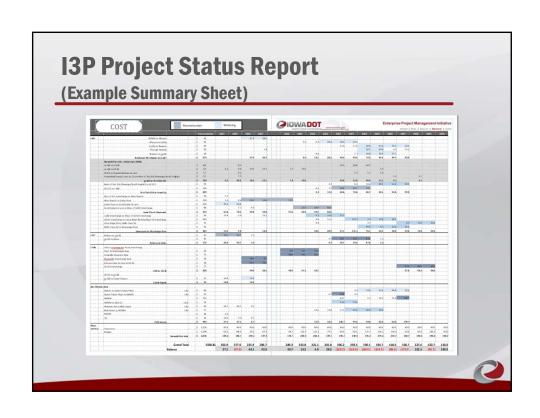
Implementation

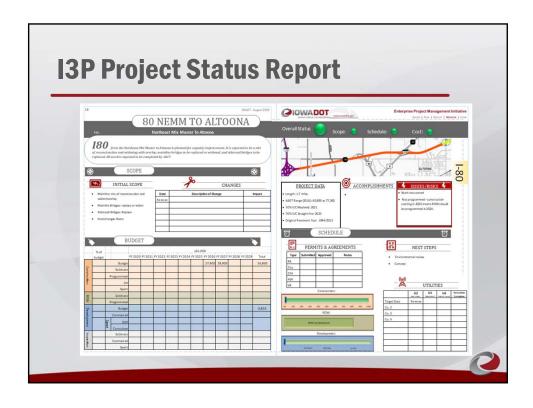
- Distributed VERY tight budgets across the projects. Ask project teams to suggest ways to reduce costs and request additional budget if necessary
- Meet with Bureau and District Engineers to:
 - Review any additional budget requests
 - Prioritize and schedule projects currently shown in 2031-2037
- Report updated schedule and priorities back to project teams
- Manage and deliver individual projects to meet the defined targets
- Develop dashboards to monitor progress and key assumptions
- Meet periodically with management to update the plan and convey the priorities back to project development staff



Project Teams can make choices with understanding of larger implications to the system







MPO and RPA Coordination

- Highlight Partnership with ICM Project in the Des Moines Metro Area
- Minimum of Annual updates on I3P status at Quarterly meeting (or on request)
- Communicating Input District Office and Project Management Bureau



Goals of the Final Plan

- Improve decision making
- Avoid scope creep
- Provide better communication of priorities
- Involve management in key financial choices
- Help staff see the larger benefits when projects are scaled back



Questions?

Phil Mescher Project Management Bureau

