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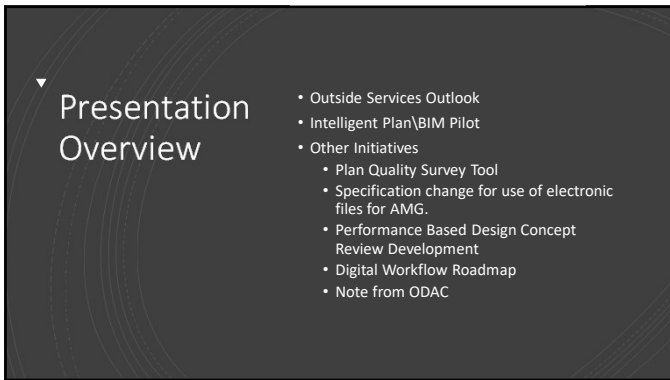
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## Intelligent Plan\BIM\Digital Twin

### BIM Pilot

- We are partnering with Bentley to develop our first pilot of the concepts for a digital plan.
- We will be piloting many of the concepts associated with a digital plan on our US 30 Benton County project.
- The goal is to give the industry and our staff the opportunity to see the tools and comment on them prior to them going into use on the follow-up project.
- The full pilot will be on the companion project that will be let, which may incorporate a digital as-built.
- We intend to take the lessons learned and make adjustments to our workflow and digital plan for subsequent pilots.

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## Other Initiatives

### Plan Quality Survey:

- We are in the process of revising our plan quality survey tool, with the hope of making it simpler and expanding it to cover a broader range of projects.
- The current tool focused on major grade and pave projects, and we would like something that would give us feedback on nearly every project we produce.
- Obviously, the goal is to improve the plans we produce, but the other aspect which is important is communicating with our customer. The tool gives us the opportunity to create an ongoing dialogue with the AGC and the Contract Administration staff that we hope becomes more of a partnership.

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## Other Initiatives

### • Specification Change for Electronic Files

- Currently unless otherwise designated the files we provide contractors are for information only, and they use them at their own risk.
- What we will be proposing is to change that so that if the contractor elects to use the files for AMG, the files then become the controlling document.
- The goal is to remove that at-risk component of using our files, and to build trust with the industry. That trust is key in the transition to a digital deliverable and has cost implications as well. (IA 196)
- We attempted this once before, unfortunately it was not approved.

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# Other Initiatives

## Digital Workflow Roadmap

- We are currently working on developing the framework for a transition from our traditional 2D workflow to a digital workflow.
- The goal is to establish the processes, procedures, and guidance necessary to transfer data seamlessly from Planning through Asset Management.
- As part of that we have applied for an AID grant to help fund the subsequent phases once the masterplan is developed.
- The project Sponsor is Charlie Purcell, and the CO-Leads are Ahmad Abu-Hawash and Michael Kennerly.

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# Other Initiatives

## Concept Development Process Change

- We are continuing work on transitioning our concept development process to be more performance based.
- This will involve new tools to help with concept analysis, which will help with documenting design decisions.
- We also believe this will provide us with a better tool for training and getting them up to speed and productive faster.

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# From ODAC:

- We are still working through how best to roll out ORD 2021 Update 1 for design work because of the complications of the schema change. We want to be able to ensure that we do not cause undo problems with active projects when we roll out the software and update the workspace to the new schema. We do not want to maintain multiple workspaces for different versions of ORD so we are being very careful with the first schema change by Bentley. We are also coordinating with the Bridge Bureau to roll out 2021 R1 so they upgrade their corresponding design software at the same time. The department on a whole will stay on the same Bentley schema no matter what bureau consultants are doing work for.
- Contact Thomas Hamski if you have any questions.

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