

Outline

- The good old days
- Introduction of large format sheets
- The transition back to 11x17
- The future...



TRANSPORTATION SYMPOSIUM

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GEOPAK to Open Road Designer

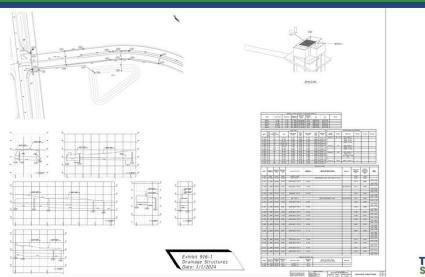
- ORD Software was coming and we were unable to opt out
- ORD Software didn't work the same as GEOPAK Software
- Options were limited to make the output look like GEOPAK Software output
- An 'All In One' approach was settled on to solve most functional issues

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Large Format Plans



RANSPORTATION

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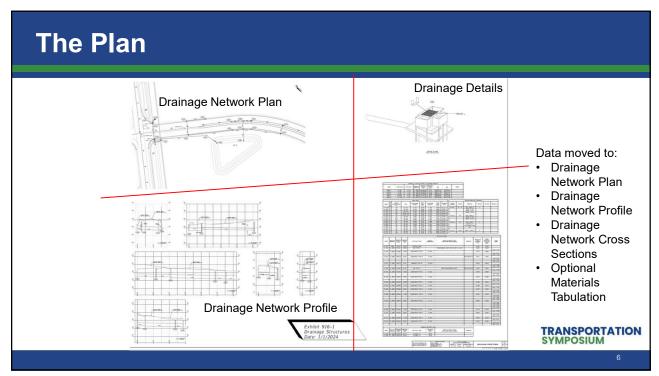
The Plan

- Simple
- Minimal impact (if any) on staff hours
- As much automation as possible
- Understand software limitations
- Coordination
 - Industry
 - District Drainage Staff
 - Drainage Technical Advisory Committee



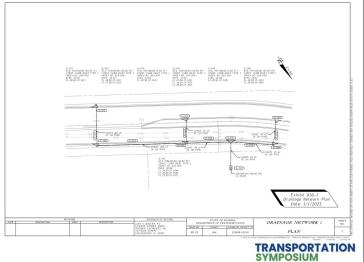
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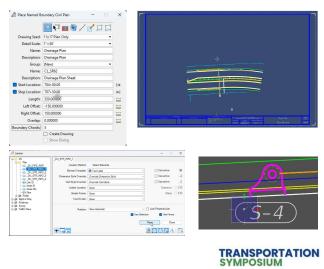
Drainage Network Plan Sheet

- Endwall and MES Data table (no longer required - included in EQ Report)
- Structure paragraph will be added here rather than cross section view to support automation efforts.



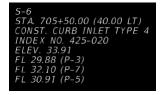
Drainage Network Plan Sheet

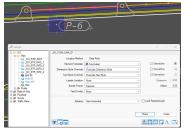
- Use standard automated tools to create the **Drainage Network Plan** Sheets
- Use a single tool to create and place annotation for the Drainage Network Plan
- Currently the annotation process is semi-automated

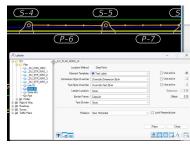


Drainage Network Plan Sheet

- Structure and Pipe labels as well as Structure Paragraph all with one tool
- New Drainage Structure Paragraph
- Placement is a semiautomated "Pick and Place" process





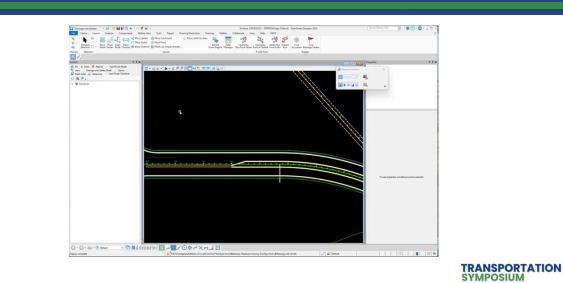


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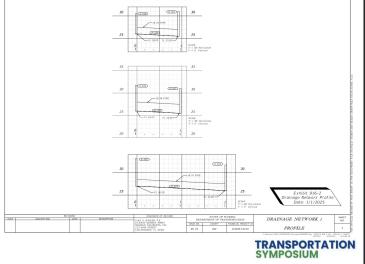
Drainage Network Plan Sheet



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Drainage Network Profile Sheet

- Structures will be shown as rectangles
- Flow line information will be provided
- Only show the pipes not shown in cross section views.
- Utilities



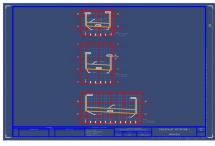
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Drainage Network Profile Sheet

- Use standard automated tools to create the Drainage Network Profile Sheets
- Use a single tool to create and place annotation for the Drainage Network Profile
- Currently the annotation process is semi-automated

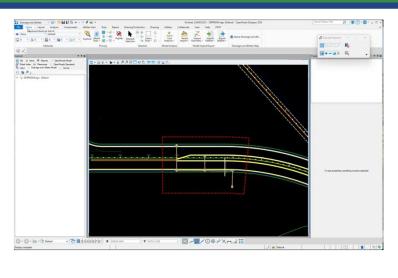




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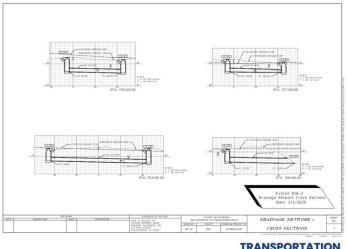
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Drainage Network Cross Section Sheet

- Structures will be shown as true cross-section
- Structure Number and Flow Line elevations will be labeled
- Only show the pipes not shown in profile views
- Utilities



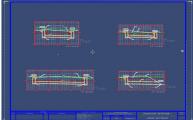
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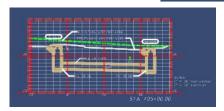
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Drainage Network Cross Section Sheet

- Use standard automated tools to create the Drainage Network Cross Section Sheets
- Use a single tool to create and place annotation for the Drainage Network Cross Sections
- Currently the annotation process is semi-automated





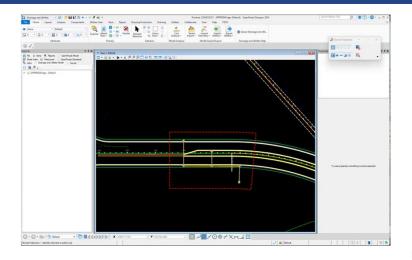


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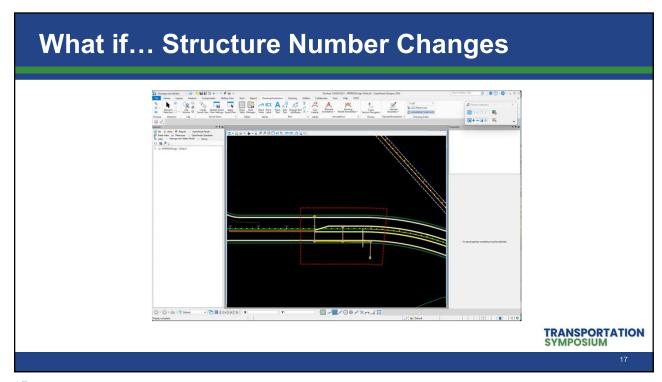
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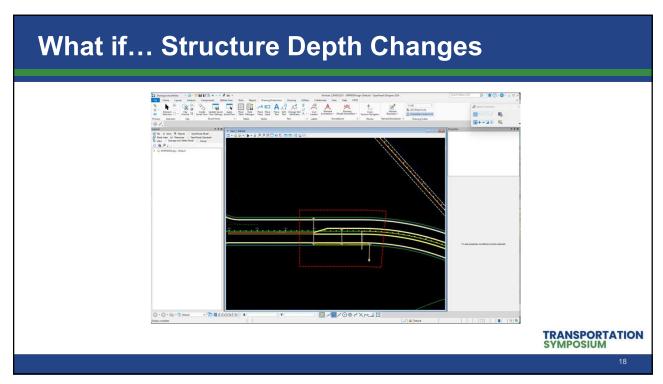
Drainage Network Cross Section Sheet

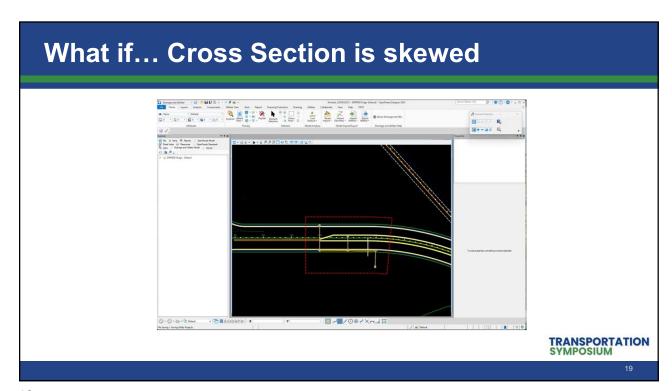


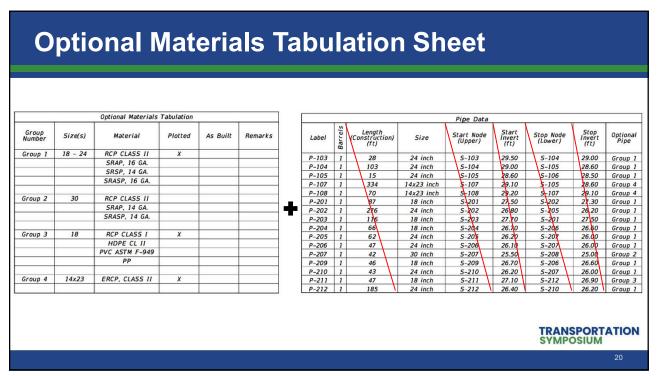
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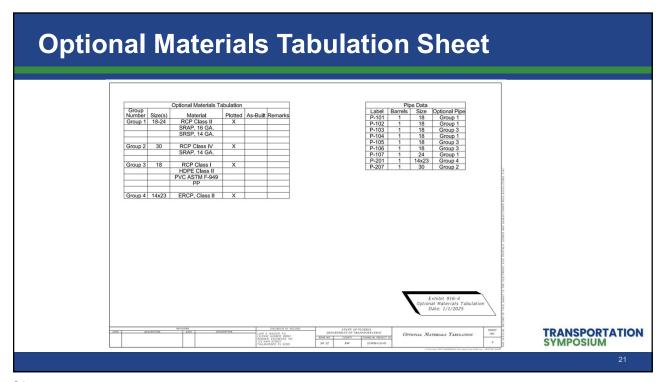
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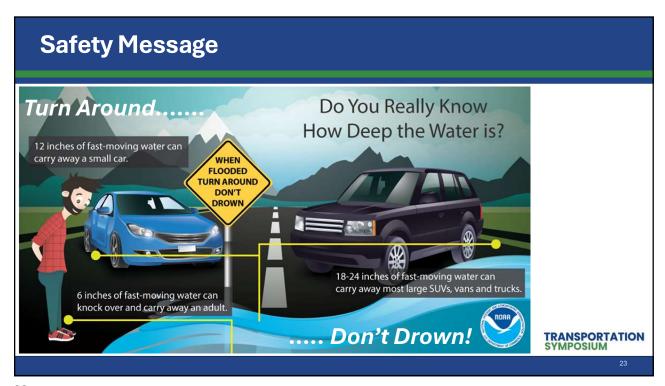
On the horizon

- Continuing to work with Bentley
 - Offsets where insertion point and location reference point do not match
- Full automation
 - Labels automatically created when sheets are created.



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