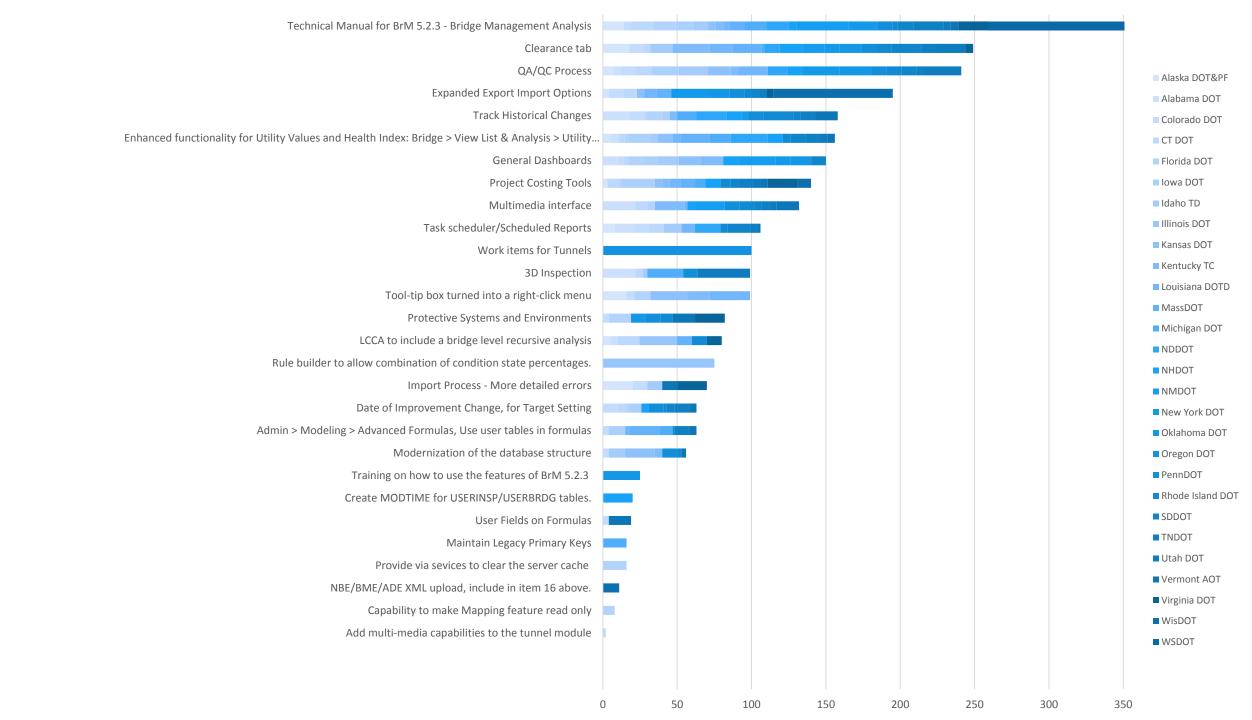


BrM Horizon

Where do we go from here?

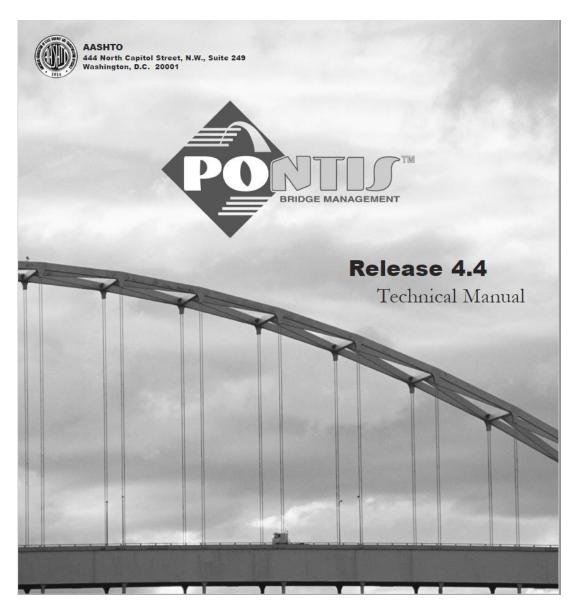
September 12-13, 2017

Alexandria, Virginia



- Tech Manual
- Clearance Tab
- QC/QA Process
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- 3D Inspection
- Tooltips

Tech Manual:



Database System

- Database Organization
- Security
- Database Integrity
- Business Rules
- Customization and Configuration

Application System

- Software Environment
- Application Configuration
- Application Customization
- Import Export Options

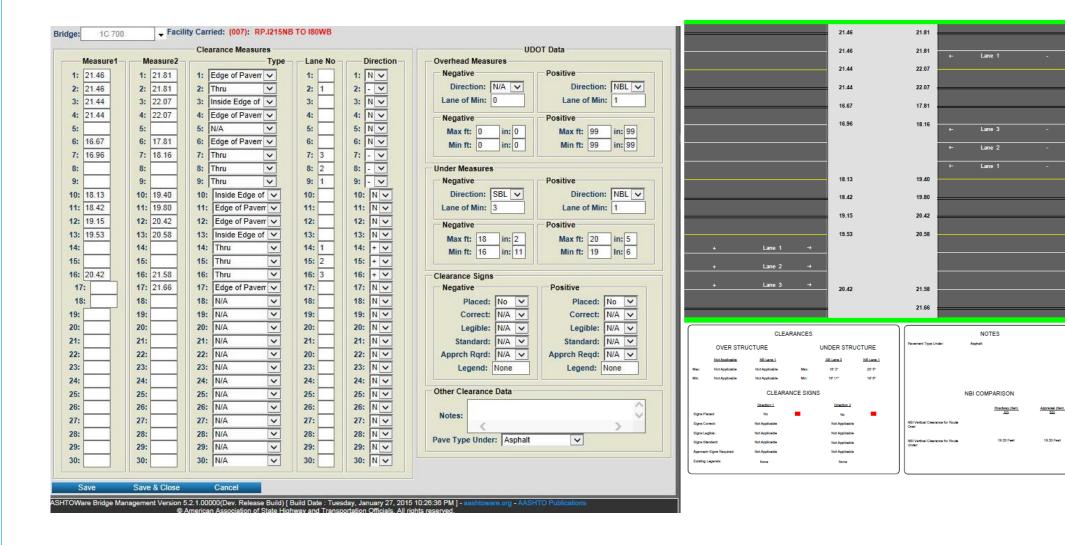
Modeling System

- Modeling Framework
- Inspection Based Calculations
- · Preservation Models
- Improvement Models
- Program Simulation
- Transition Probabilities Model Updating Procedure
- · Cost Model Updating Procedure
- Practical Considerations in Using the Pontis Modeling System

Appendix A: PDI Documentation Appendix B: Custom PDI Export

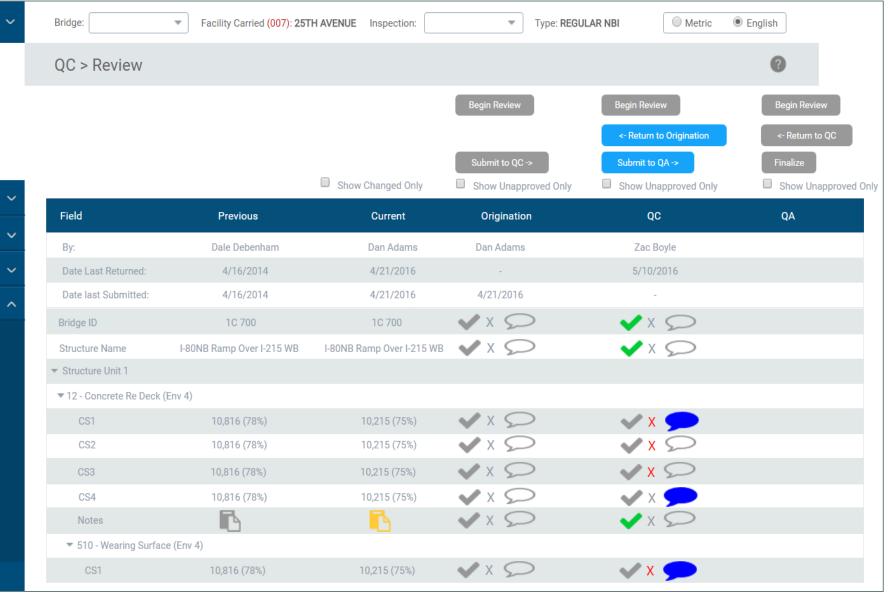
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Clearance Tab:



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QC / QA Process:



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Expanded Import / Export Options:

Improved Import:



Export Options:



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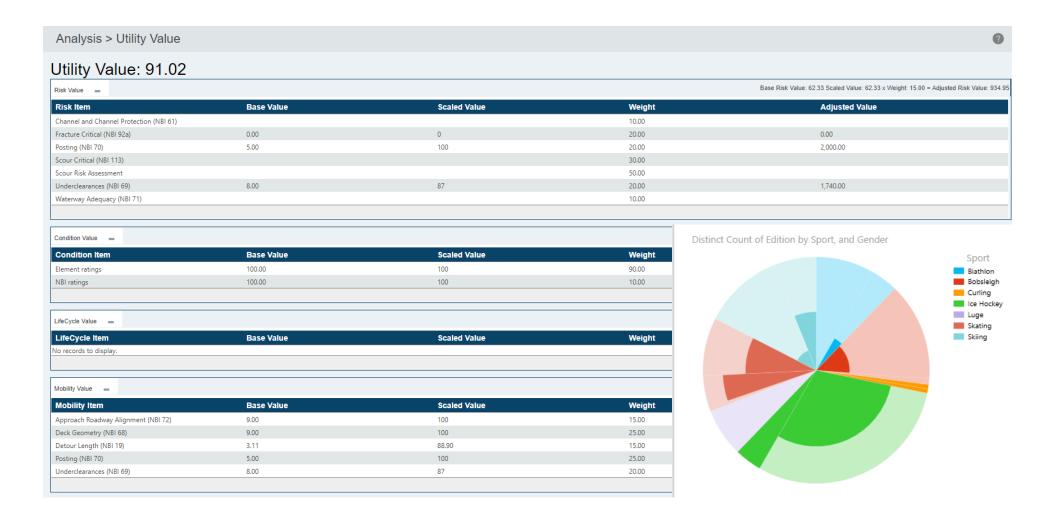
Track Historical Changes:

A log tracking user, time, table, field and value for all values changed on:

- Bridge
- Inspevnt
- Roadway
- StrUnit
- Pon_Elem_Insp
- Pon_WorkCand
- Pon_Tunnel_Insp
- Pon_Tunnel_Elem

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Better UI for HI and Utility:



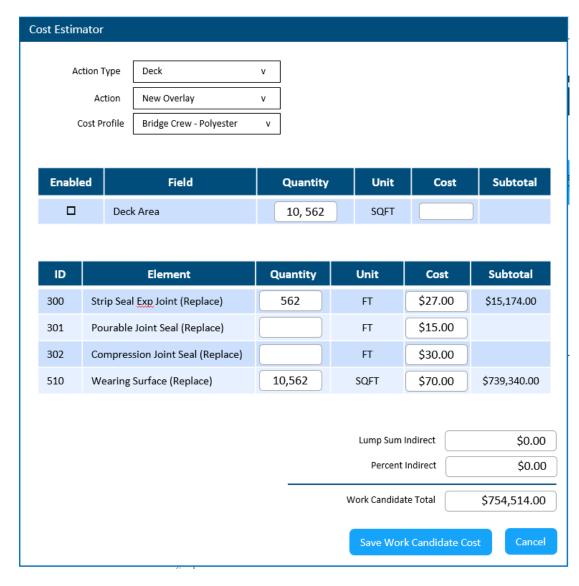
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General Dashboard:



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Project Costing Tools:



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Multimedia Interface:

UI Level

We write ONE of these.

Provided with Standard release.

Uniform across all users

(see sample)

ervice

Called from BrM Media Tab.

Handles requests to return documents

Handles requests to store multiple docs

Handles requests to modify document ID (description) data

One per back end.

Backenc

The actual method used to store the documents.

File service (traditional BrM)

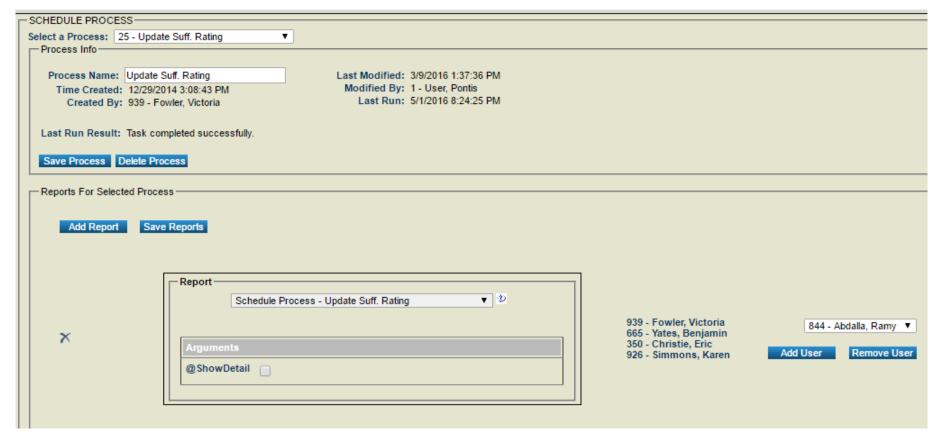
ProjectWise.

Filestream (SQL Server)

Sharepoint or others will be provided as Service Unit projects that will become standard offerings when complete.

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Task Scheduler / Scheduled Reports:

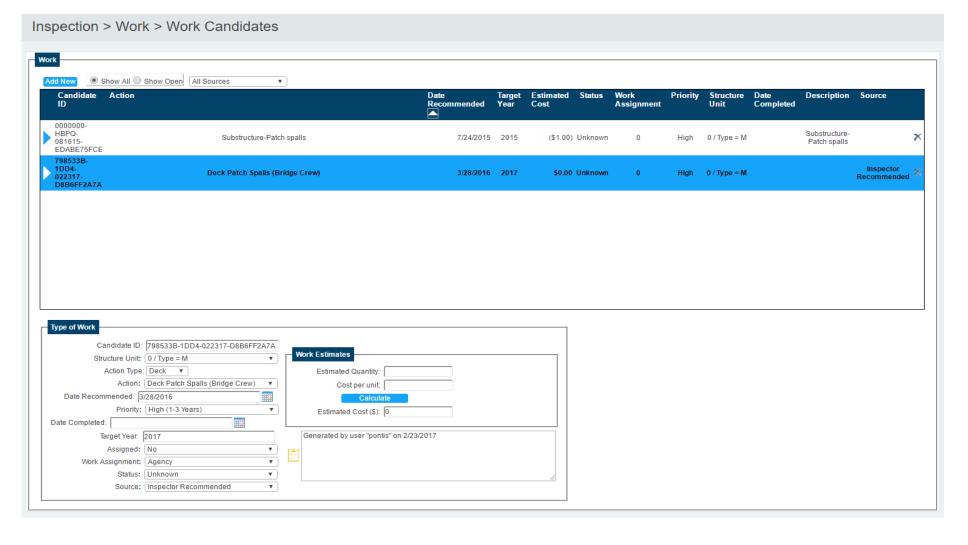


Scheduled Tasks Functionality Includes

- Running crystal reports at periodic intervals
- Emailing those reports to set individuals.
- Periodically running Validation (Submittal checks) or Sufficiency Rating calculations and notifying users of results.

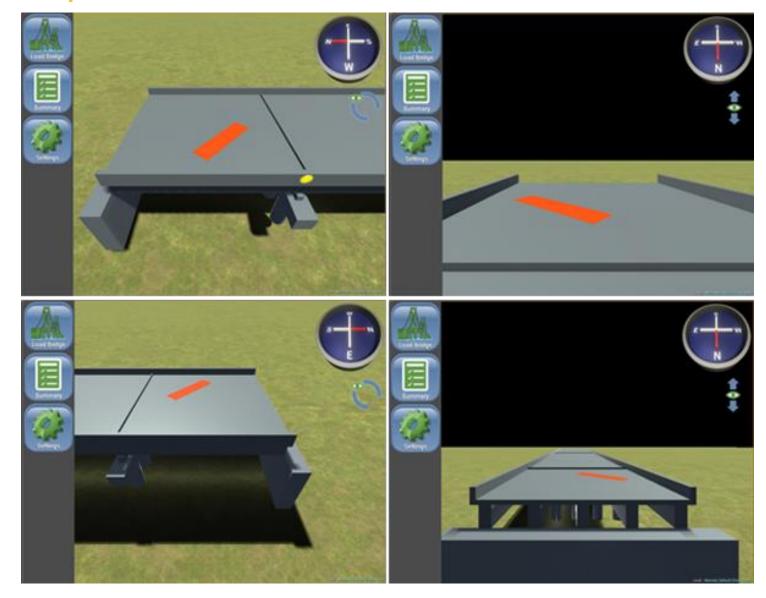
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Work Candidates for Tunnels:



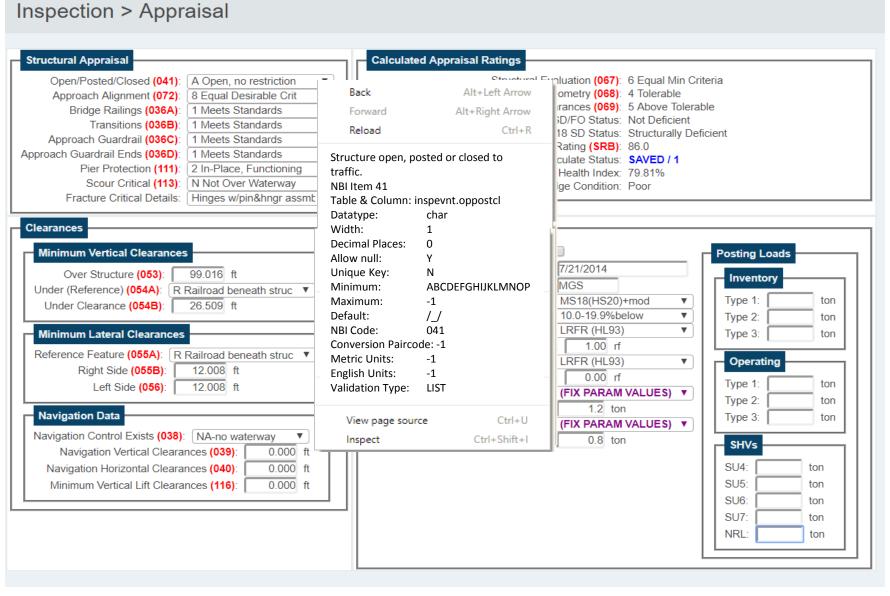
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3D Inspection:



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Tool-tip Box turned into a right-click menu:



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Other Items:

- Protective Systems and Environments
 - Initially supported by: CO, FL, OK, PA, RI, VT, VA (7)
- LCCA recursive analysis
 - Initially supported by: AL, AK, CT, FL, IL, MA, RI, VA, (8)
- Rule builders allow combined CS %
 - Initially supported by: IL (1)
- Import Process More detailed errors
 - Initially supported by: AK, CO, ID, VT, VA, (5)
- Date of Improvement Change, for Target Setting
 - Initially supported by: CO, CT, FL, IA, NH, PA, RI, SD, TN, VT, (10)

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Other Items:

- Use User Formulas in Advanced Formulas
 - Initially supported by: CO, CT, IA, LA, MA, MI, PA, RI, TN, VT (10)
- Multi-asset Optimization
 - Initially supported by: CO, ID, KS, KY, PA, RI, VT (7)
- Training on how to use 5.2.3
 - Initially supported by: OK (1)
- Modtime for UserInsp / UserBrdg tables
 - Initially supported by: NH (1)
- User Fields on Utility and Structure Weight Formulas
 - Initially supported by: CO, VT (2)

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Other Items:

- Maintain Legacy Primary Keys
 - Initially supported by: MI (1)
- Provide services to clear the server cache
 - Initially supported by: FL (1)
- NBE / BME / ADE XML upload
 - Initially supported by: WI (1)
- Capability to make Mapping Read-only.
 - Initially supported by: FL (1)
- Multimedia for Tunnels
 - Initially supported by: CT (1)