MDT's BrM Implementation Experience

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Implementation Details

- Started on version 6.5
  - In the process of updating to 6.6
- Three Phase Implementation
- Custom Enhancements
  - Notes pop up
  - Bridge dropdown selector adjustment
  - Single Sign On
  - Guest Access
- Other Modules
  - Inspection Review
  - Inspection Types/Assignments

Reasons for Transition to BrM

- Challenges with Product Support

- System Bugs

- Internet Explorer End of Life

- Microsoft Silverlight End of Life

- New SNBI

Implementation Experience

- Three phase implementation.
  - Phase 1 - BrM Setup, Data Migration, and MDT Systems Integration

  - Phase 2 - BrM Enhancements and Inspection Configuration

  - Phase 3 - Management Configurations and Refinement (In Progress)

- Phase 1 and 2 were delivered ahead of schedule and exceeded expectations.
  - Initial go live had more features than anticipated.

Implementation Experience

- Data Migration
  - No unexpected data migration issue
  - Mayvue exceeded expectations with data clean up and migration.

- MDT Systems Integration
  - We integrated with LRS/GIS systems to update several fields.
  - We also have several database views that are referenced by other MDT systems.

BrM Enhancements

BrM Enhancements

- Notes Pop Up
  - Control allows notes to be added for fields
  - Changes color when populated

- Bridge Selector Adjustment
  - Jump to bridge adjustment to select a bridge based off NBI ID and Agency Bridge ID

BrM Enhancements

- Single Sign On
  - Using Okta
  - Works well for internal and external users

- Guest Access
  - If a user does not have a BrM account, they default to read only access
  - We allow for public users to access our bridge inspection information.

Other Modules

- Inspection Types/Assignments
  - Helps us schedule multiple different types of inspections.
    - Primarily NDT and other special inspections we perform.
  - Different assignments module that allows tracking of inspection status.
  - Very easy to add and remove inspections types.
  - Can view entire states assignments at once and track status.

Name ⇕	All Inspections Performed By ⬇	All Reviews Completed By ⇕	Assigned User Group ⇕	No. of Inspections ⇕	Not Started ⇕	Entered in BrM ⇕	In Review ⇕	Review Complete ⇕	
Butte District September 2022	9/30/2022	12/31/2022	2 • Butte District	29	24	5	0	0	👁

Other Modules

- Inspection Review
  - QA/QC module that autogenerates reports.
  - Very Configurable
    - Different rules for different data values.
  - Can configure reports to see commonly flagged items.

Inspected	Element	Str. Unit	Env.	Description		Tot. Qty.	Units	Qty 1	Qty 2	Qty 3	Qty 4	Notes	Flagged in Previous Step			
T	16	0	Mod. (3)	Re Conc Top Flange	Previous Insp. Value	5124	sq.ft	5018	106	0	0	View Notes	F	⊘	⚑	💬
					Current Insp. Value	5124	sq.ft	5018	106	0	0					
	1120	0	✦	Efflorescence/Rust Staining	Previous Insp. Value	106	each	0	106	0	0	View Notes				
					Current Insp. Value	106	each	0	106	0	0					
	510	0	⬟	Wearing Surfaces	Previous Insp. Value	5124	sq.ft	5124	0	0	0	View Notes				
					Current Insp. Value	5124	sq.ft	5124	0	0	0					

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