



Multimedia

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Bridge Safety Inspection & Ratings Database Information
Manager

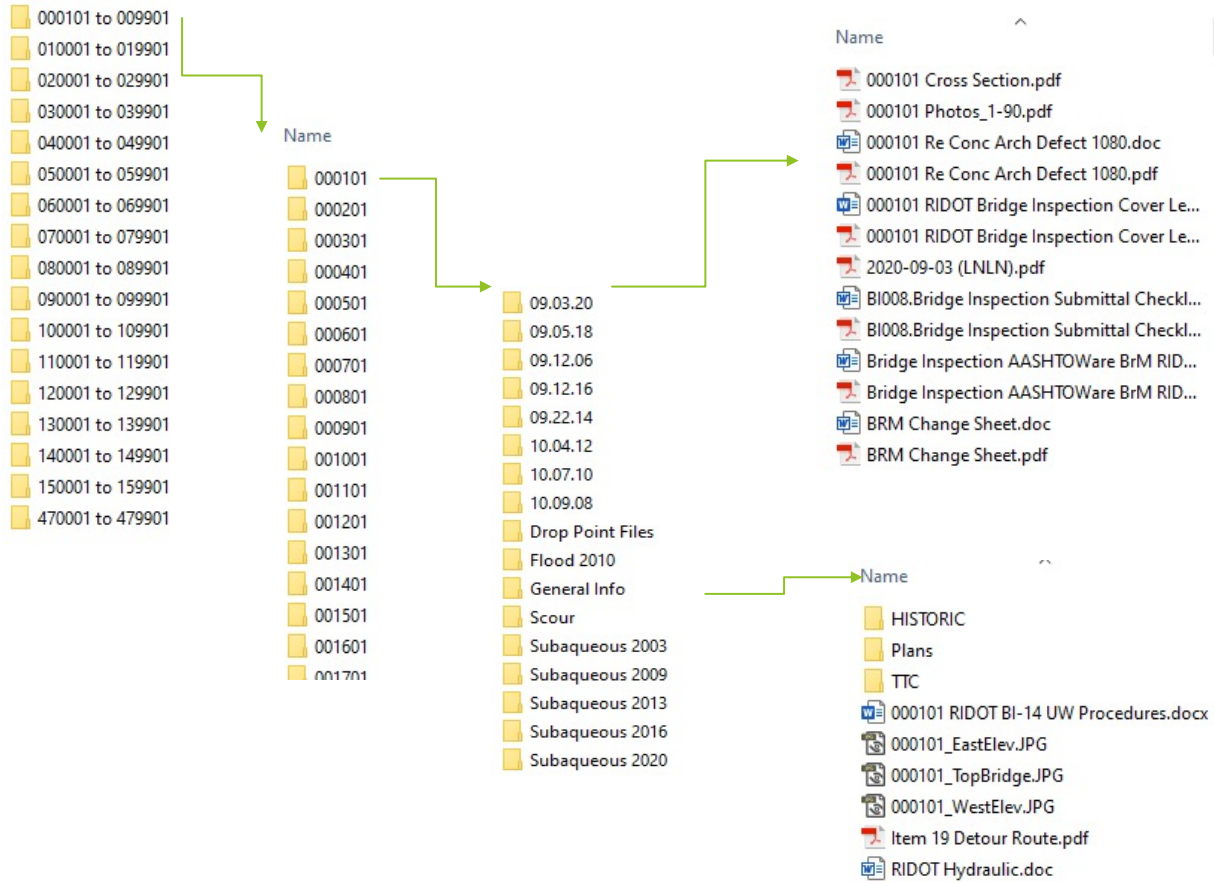
Craig.Nazareth@dot.ri.gov

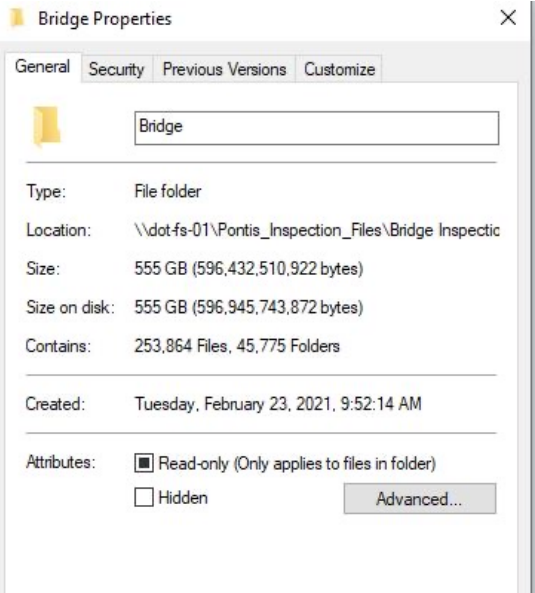
Multimedia

Rhode Island Department of Transportation Bridge engineering wanted to tie BrM multimedia and its official bridge record together. With BrM's new multimedia, we decided to give it a try, this is what we produced. It is one way of using the new multimedia to tie all the bridge information together in one place. This is not the only way that the new multimedia tab and features can be used. This is just the way that the Rhode Island Department of Transportation decided to do it.



The Old way





The Setup

Bridge

- └ Contract 1

- └ Contract 2

- └ Construction Files

- └ As-Built Plans
- └ Const Photos
- └ Material Certifications
- └ Material Testing
- └ Shop Drawings
- └ Value Engineering
- └ Other
- └ RFI

- └ Correspondence

- └ CM Agreement

- └ Design Files

- └ AutoCAD
- └ Des Calc
- └ Contract Documents
- └ Design Exceptions
- └ Scope of Work
- └ Subsurface Reports
- └ Hydraulic Reports
- └ Des-Material Testing

- └ Environmental Event

- └ Flood 2010
- └ Flood 2017

- └ Historic

- └ Load Ratings (Keith only the reports to be linked)



BrM Setup

NAZARETH, CRAIG

Admin > General Config > Multimedia

Supported image types: .jpg, .jpeg, .ico, .tif, .gif, .bmp, .png

Report File Storage Settings

Use Dedicated Report File Directory

Report File Directory:

Legacy Storage Settings

MULTISERVER:
~\media
Note: This setting is only needed for existing legacy multimedia data.

MULTISERVERS:
~\media
Note: This setting is only needed for existing legacy multimedia data.

Context Filename Settings

Context	Field
Bridge	Inspection

No fields to display. No fields to display.

Context Subfolders

Search [] [Q] [Add Context Subfolder]

Name	Parent	Context	Standard
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Save Cancel



BrM Setup

Admin > General Config > Multimedia

Context Rename Settings

Bridge

No fields to display.

Context Subfolders

Name	Parent ID	BRIDGE	F
Work Candidates			
Plans	Bridge		
Drop Point Files	Bridge		
Contract 2	Bridge		
Old Inspection	Bridge	BRIDGE	F
Contract 1	Bridge	BRIDGE	F
Scour	Bridge	BRIDGE	F
Construction Files	Bridge	BRIDGE	F
Correspondence	Bridge	BRIDGE	F
Design Files	Bridge	BRIDGE	F
CM Agreement	Bridge	BRIDGE	F
Historic	Bridge	BRIDGE	F
Posting Signs	Bridge	BRIDGE	F
Critical Findings	Bridge	BRIDGE	F

Create Context Subfolder

* Name:

Allowed special characters: space, hyphen, and underscore

* Parent Folder:

Context: BRIDGE

BrM Setup

Admin > General Config > Multimedia

Context Rename Settings

Bridge

No fields to display.

Context Subfolders

Name	Parent
Work Candidates	Bridge
Plans	Bridge
Drop Point Files	Bridge
Contract 2	Bridge
Old Inspection	Bridge
Contract 1	Bridge
Scour	Bridge
Construction Files	Bridge
Correspondence	Bridge
Design Files	Bridge
CM Agreement	Bridge
Historic	Bridge
Posting Signs	Bridge
Critical Findings	Bridge

Create Context Subfolder

* Name:

Allowed special characters: space, hyphen, and underscore

* Parent Folder:

Context: BRIDGE



BrM Security

Admin > Security > Multimedia ?

Role: Admin ⌵ Select Permission Apply To All Folders

Folders

Bridge	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ CM Agreement	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Construction Files	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ As-Built Plans	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Const Photos	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Material Certifications	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Material Testing	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Other	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ RFI	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Shop Drawings	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Value Engineering	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access
└ Contract 1	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access

BrM Security

Admin > Security > Multimedia

Role: Admin Select Permission Apply To All Folders

Folders

Folder	Admin	ADMIN_A	AdminAnalysis	Advanced	Analysis	Ancillary-Consultant	Material Certifications	Material Testing	Other	RFI	Shop Drawings	Value Engineering	Contract 1
Bridge	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
CM Agreement	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Construction Files	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
As-Built Plans	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Const Photos	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Material Certifications	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Material Testing	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Other	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
RFI	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Shop Drawings	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Value Engineering	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										
Contract 1	<input checked="" type="radio"/> Full Access	<input type="radio"/> Read Only	<input type="radio"/> No Access										

BrM Security

Admin > Security > Multimedia

Role: Admin Select Permission Apply To All Folders

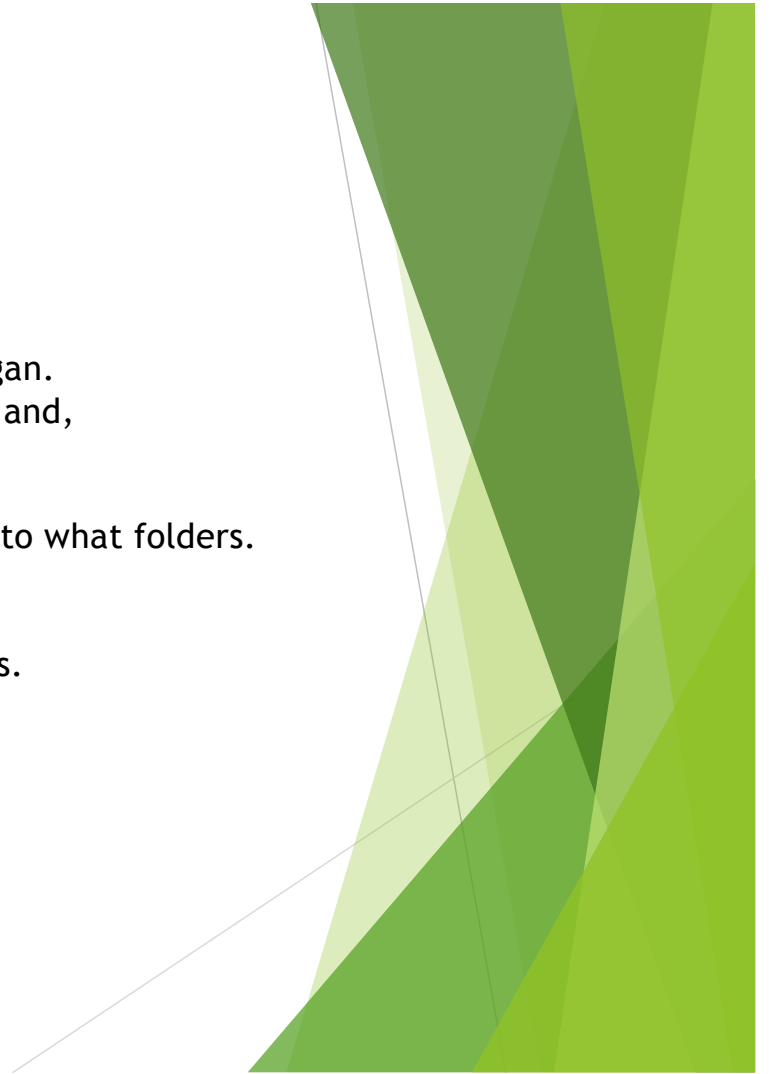
Folders

Folder	Role	Full Access	Read Only	No Access
Bridge	Admin	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
CM Agreement	Admin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Construction Files	ADMIN_A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As-Built Plans	AdminAnalysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Const Photos	Advanced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Material Certifications	Analysis	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Material Testing	Ancillary-Consultant	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
RFI		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shop Drawings		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Value Engineering		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contract 1		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Note: The 'Bridge' folder is highlighted with a green arrow pointing to its dropdown menu, and the 'Select Permission' dropdown is also highlighted with a green arrow.

So now, with the BrM framework setup, this was where the fun began.
First, we set up meetings to train people on how to move the files and,
select what Files Go into what folders.
So it's not just showing the mechanics of BrM how to upload a file.
It was showing the people what files they were supposed to put into what folders.

But first, the mechanics.



The Mechanics

The Bridge



The Contest Bridge



The Context Inspection



The screenshot shows a web application interface with the following elements:

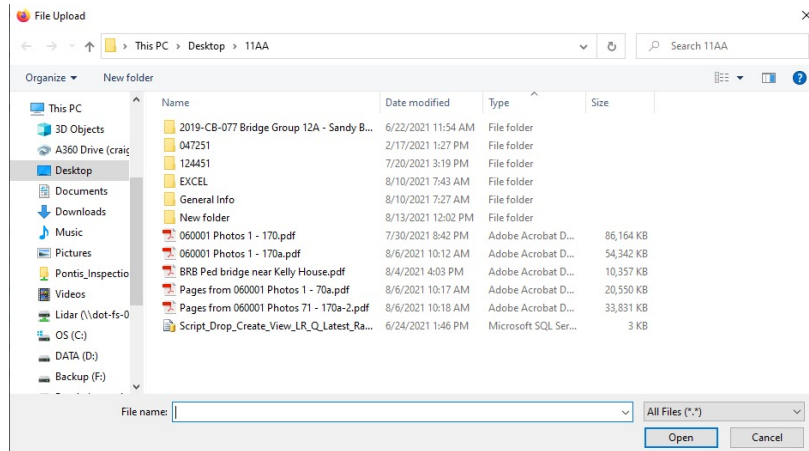
- Page Header:** "Inspection > Multimedia" with a help icon on the right.
- Bridge Information:** A dropdown menu labeled "Bridge:" with the value "060001" selected. To the right, it says "Name: Red Bridge" and "Facility Carried (007): SEEKONK RIVER CROS".
- Multimedia Directory:** A section titled "Multimedia Directory" with a "Home" link. Below it is a list of folders:
 - Bridge (060001)
 - Inspection (2020-06-18 (QUYI))
 - Inspection (2019-06-28 (VSOC))
 - Inspection (2018-07-06 (CXIY))
 - Inspection (2017-07-07 (FGLH))
 - Inspection (2016-06-24 (TXE))
 - Inspection (2016-03-29 (RPMK))
 - Inspection (2015-07-09 (PGOW))
 - Inspection (2014-07-17 (BHRW))
 - Inspection (2013-07-26 (LYND))
 - Inspection (2013-07-24 (HHFC))
 - Inspection (2012-07-24 (TOSU)*)
 - Inspection (2011-07-27 (ONOL)*)
- Main Content Area:** A large empty space with the text "Select a folder to view associated multimedia."

The Bridge

The Mechanics

The screenshot shows a web application interface for bridge inspection multimedia management. At the top, a breadcrumb trail reads "Inspection > Multimedia". Below this, a "Bridge Information" section contains a dropdown menu for "Bridge:" with the value "060001", the text "Name: Red Bridge", and "Facility Carried (007): SEEKONK RIVER CROS". An "Upload" button is located to the right of the "Bridge Information" section. The "Multimedia Directory" section includes a breadcrumb trail "Home / Inspection (2020-06-18 (QUY1))" and a search bar with a "Search" button. A sidebar on the left lists categories: Critical Findings, Damage, Fracture Critical, Inventory, Photos, Sketches, Special, and Subaqueous. The main content area features a table with columns: Name, Sort Order, File Size (MB), Agency Type, Notes, and Created Date. The table currently displays "No records to display."

The Mechanics



Upload Files

Context: INSPECTION

Folder: Inspection (2020-06-18 (QUI))

Choose Files

Sort Order:

Report Flag:

Agency Type:

Notes:

Tags:

Save Cancel



The Mechanics

Upload Files

Context: INSPECTION

Folder: Inspection (2020-06-18 (QYI))



Files: [Add Files](#)

 **060001 Photos 1 - 170** (#) .PDF 
Allowed special characters: space, hyphen, parenthesis, and underscore
84 MB

Sort Order:

Report Flag:






Agency Type:

Notes: notes and more  

Tags:

Linked Files: [Link Files](#)

[Save](#) [Cancel](#)



The Doing

MM_Bridge_Inspect_Transfer.xlsx - Excel Nazareth, Craig (DOT) NC

File Home Insert Page Layout Formulas Data Review View Help ACROBAT Power Pivot

Clipboard Font Alignment Number Styles Cells Editing

AutoSave Off

Search

Share Comments

Clipboard Font Alignment Number Styles Cells Editing

N1292

	H	I	J	K	L	M	N	O	P	Q	R
	Bridge No.	Assigned To	Cleared Links	Completed	Date Completed		LR Data Moved	Moved By	Date Completed		
93	008801	Georgio	Yes	Yes	3/24/21						
94	008901	Georgio	Yes	Yes	3/24/21						
95	009001	Georgio	Yes	Yes	3/24/21		Yes	Gaulin	4/29/21		
96	009101	Georgio	Yes	Yes	3/24/21						
97	009201	Georgio	Yes	Yes	3/24/21		Yes	Vittoria Bertrand	4/28/21		
98	009301	Georgio	Yes	Yes	3/24/21		Yes	Vittoria Bertrand	4/28/21		
99	009401	Georgio	Yes	Yes	3/24/21						
100	009501	Georgio	Yes	Yes	3/24/21		Yes	Vittoria Bertrand	4/28/21		
101	009601	Georgio	Yes				Yes	Vittoria Bertrand	4/28/21	Bridge Removed from	
102	009701	Georgio	Yes				Yes	Vittoria Bertrand	4/28/21		
103	009801	Georgio	Yes				Yes	Vittoria Bertrand	4/28/21		
104	009901	Georgio	Yes								
105	010001	Quinlan	Yes	Yes	2/23/21		Yes	Vittoria Bertrand	4/28/21		
106	010101	Quinlan	Yes	Yes	2/24/21		Yes	Gagnon	4/28/21		
107	010201	Quinlan	Yes	Yes	2/24/21						
108	010301	Quinlan	Yes	Yes	2/24/21		Yes	Gagnon	4/28/21		
109	010401	Quinlan	Yes	Yes	2/24/21		Yes	Gagnon	4/28/21		
110	010501	Quinlan	Yes	Yes	2/24/21		Yes	Gagnon	4/28/21		
111	010601	Quinlan	Yes	Yes	2/24/21		Yes	Gagnon	4/28/21		
112	010701	Quinlan	Yes	Yes	2/25/21		Yes	Gagnon	4/28/21		
113	010801	Quinlan	Yes	Yes	2/26/21		Yes	Gagnon	4/28/21		

Staff Sheet1

100%

Questions?

