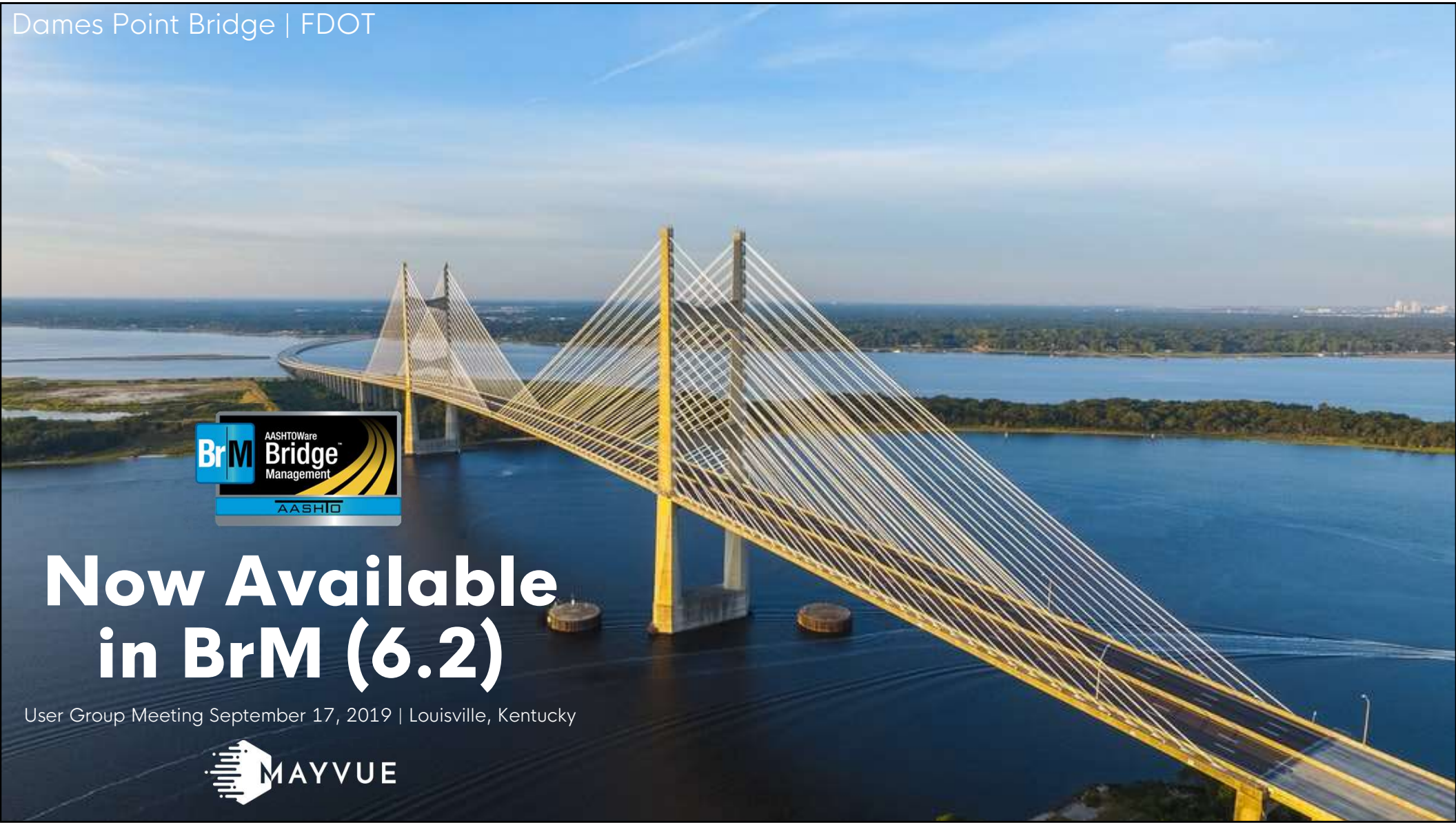

The features available in the currently available patches of BrM (up to BrM 6.2).

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MAYVUE

Jira Service Desk
https://bridgeware.atlassian.net/servicedesk/customer/portals

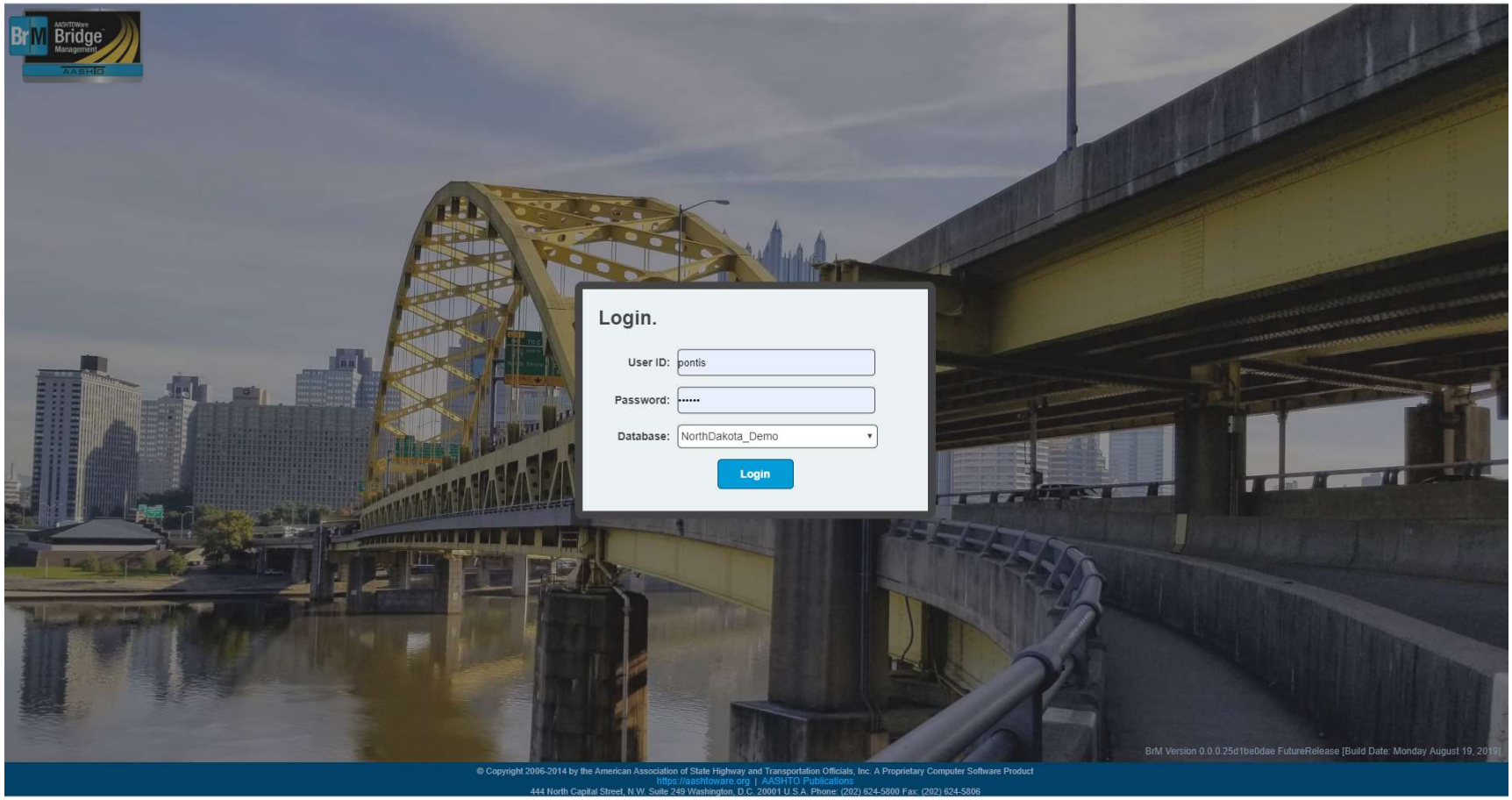
NEW LOGIN SCREEN

NEW LOGIN SCREEN

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



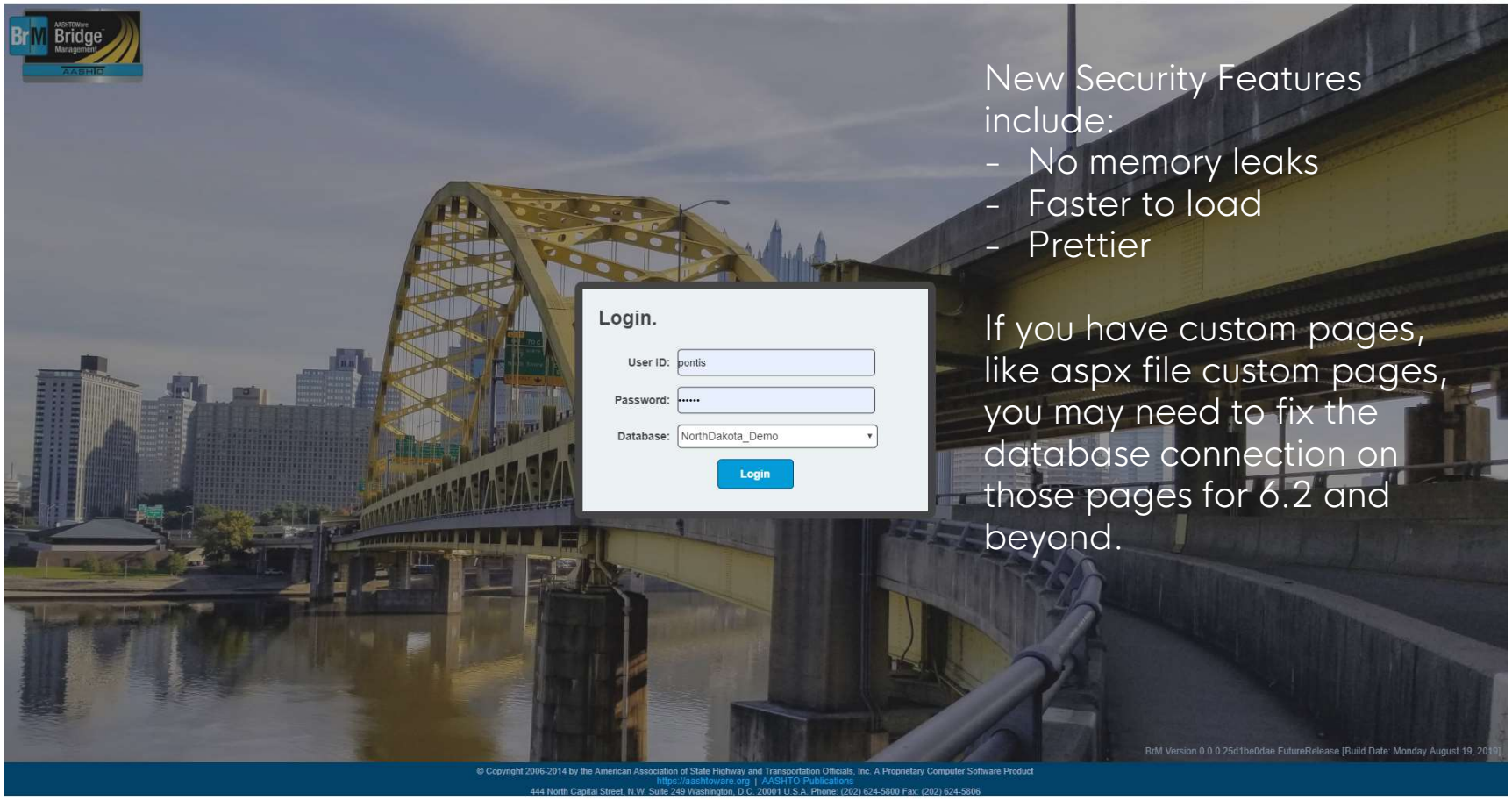
The new login screen is the most noticeable change in BrM 6.2.

NEW LOGIN SCREEN

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



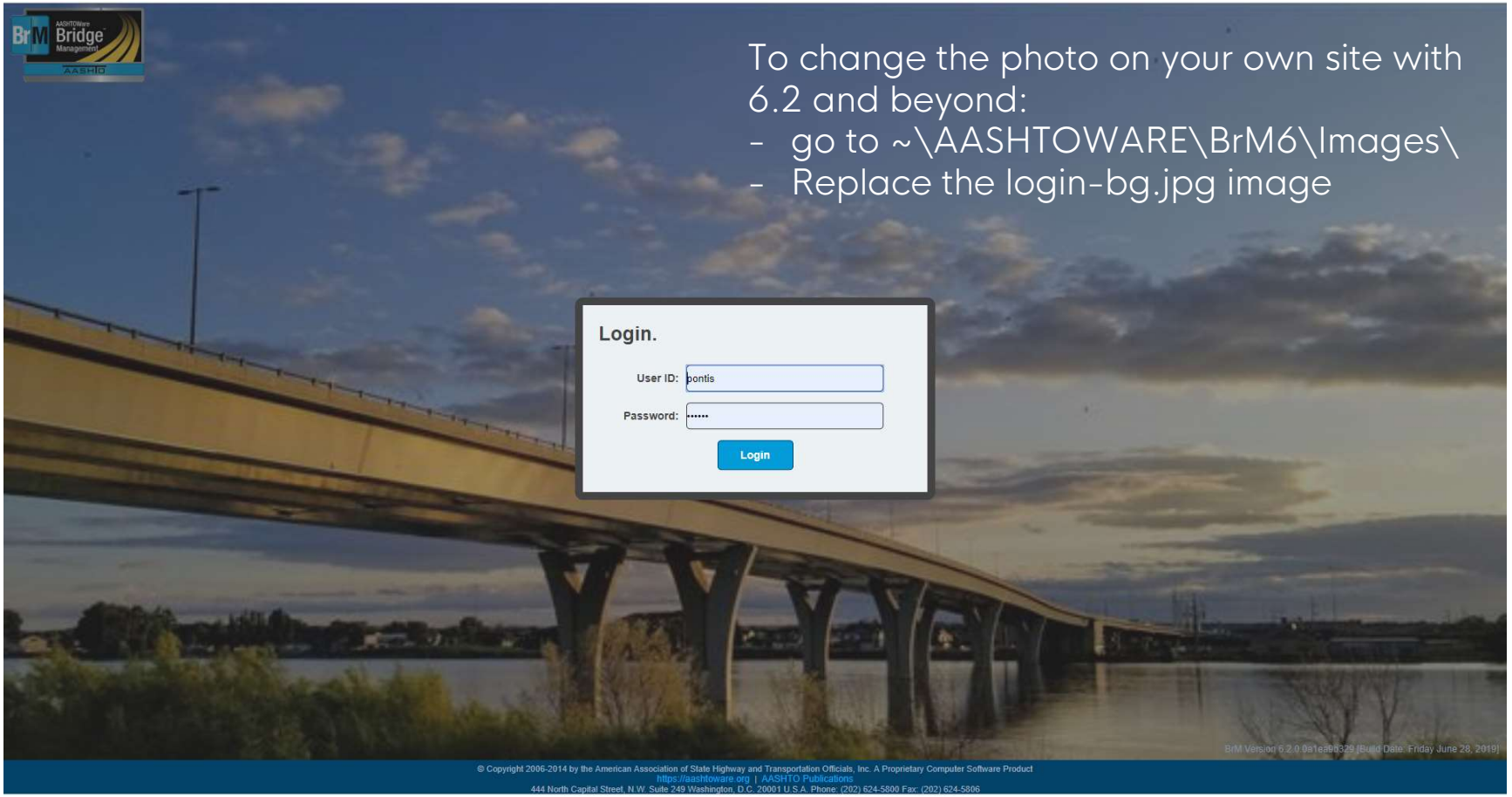
The improvement was needed to address some security vulnerabilities in how the login worked. The improvement fixed the leak, but if you had custom pages (note, not configured, but .aspx custom pages) then you will need to revisit the connections to the login page. Let us know and we can help you.

NEW LOGIN SCREEN

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



You can also change the photo. Send us your photos and we will rotate the default photos from one state to another with subsequent patches of BrM.

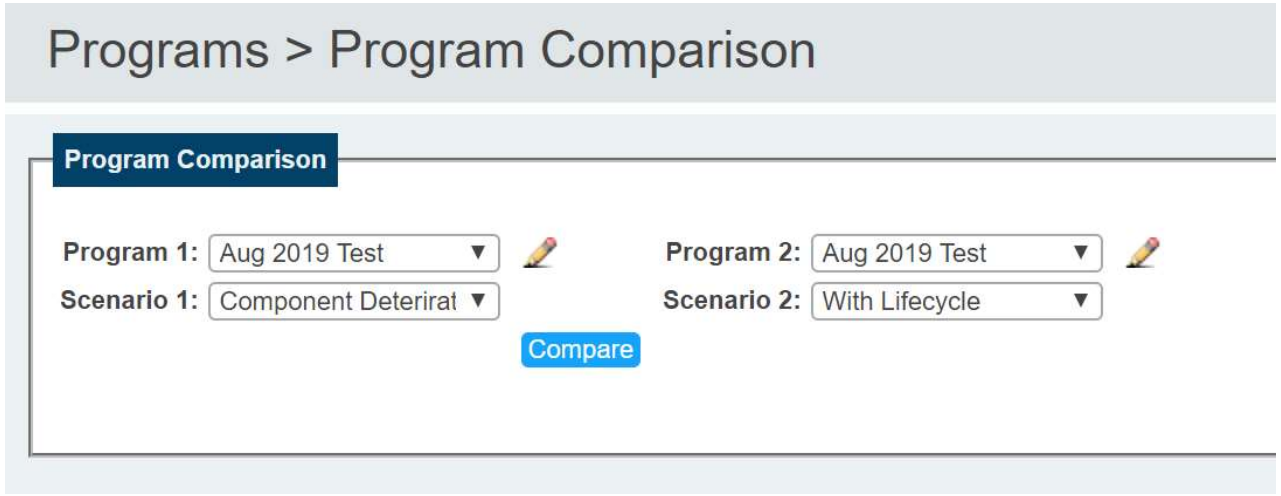
PROGRAM COMPARISON TOOL

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



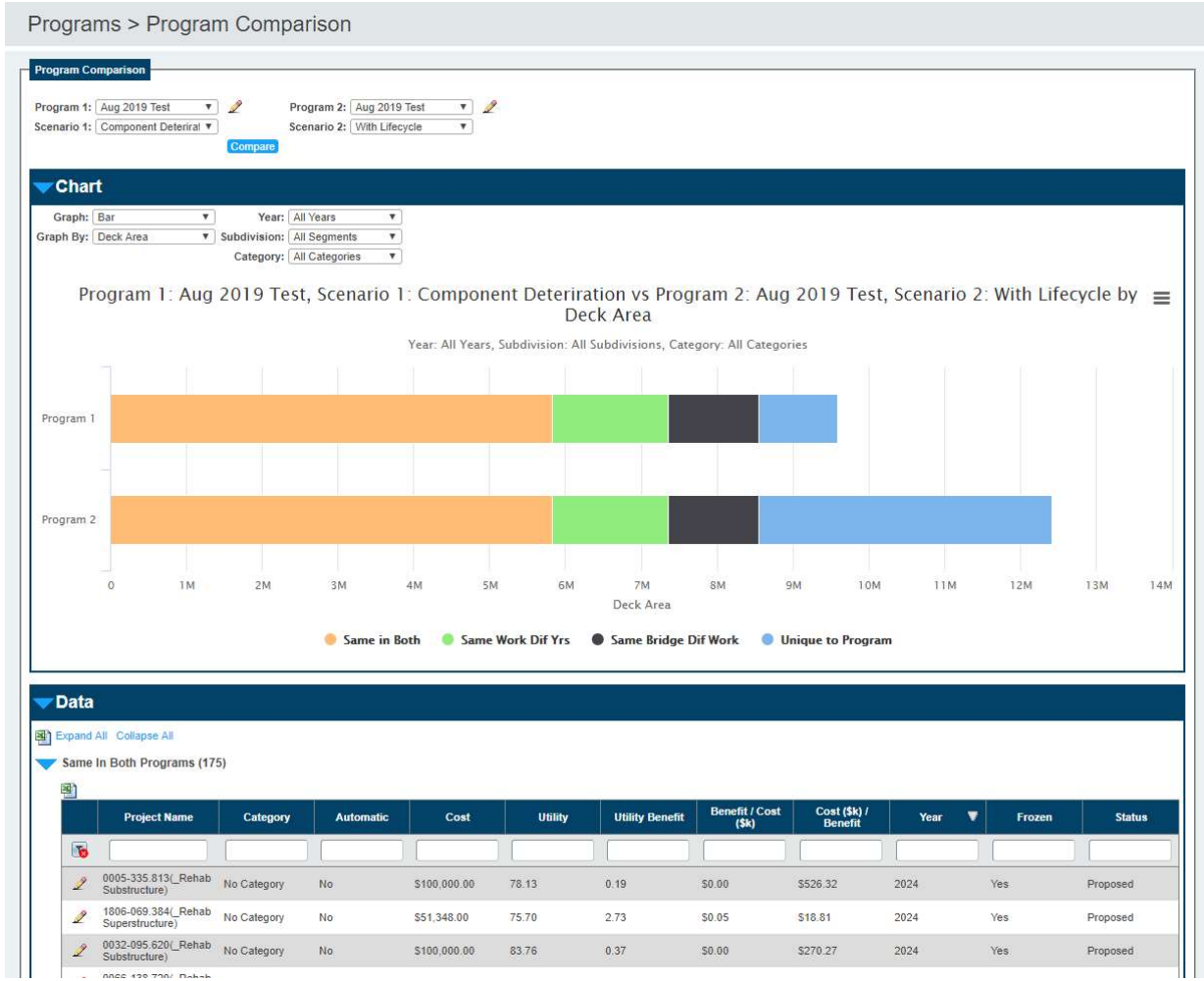
The program comparison tool helps users to get their hands around what is different between two scenarios – which can be a ton of data.

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



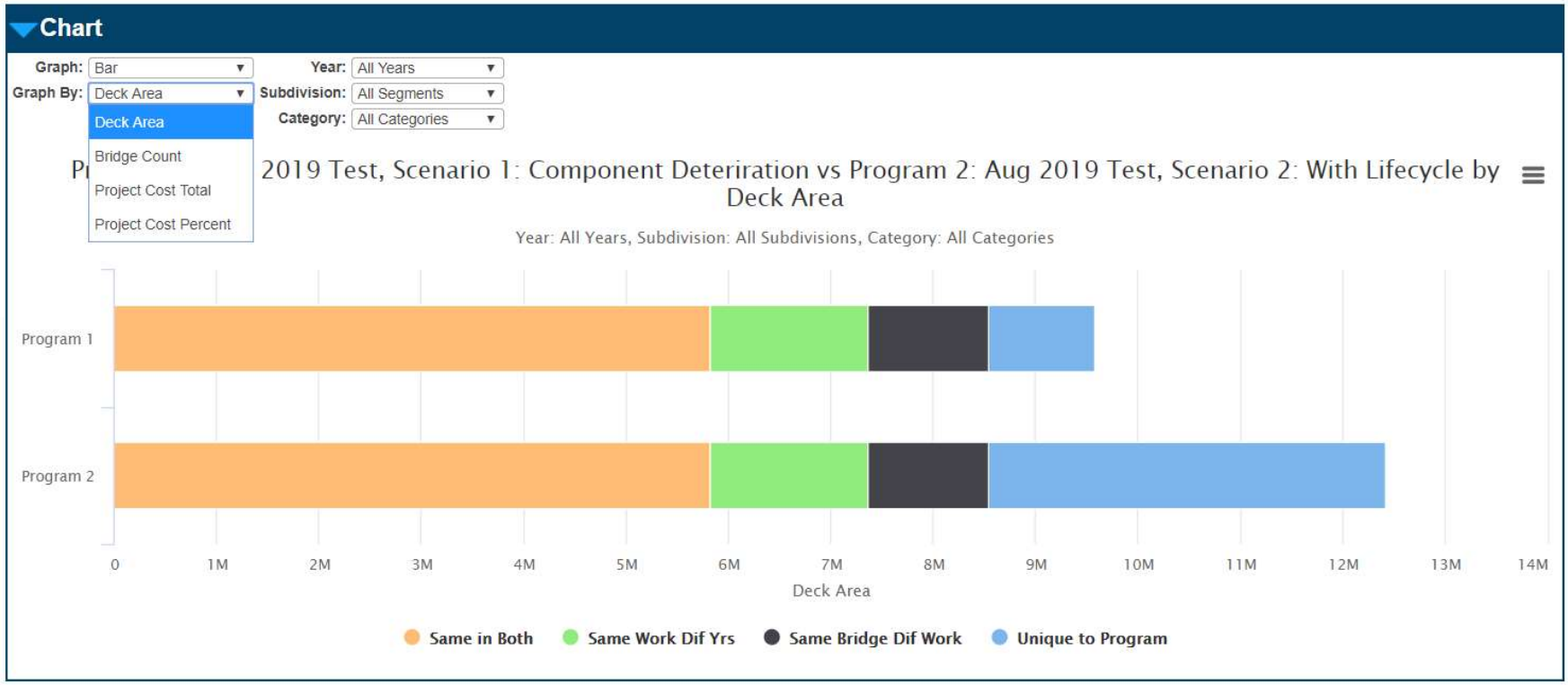
There are the graphs and then the grid.

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



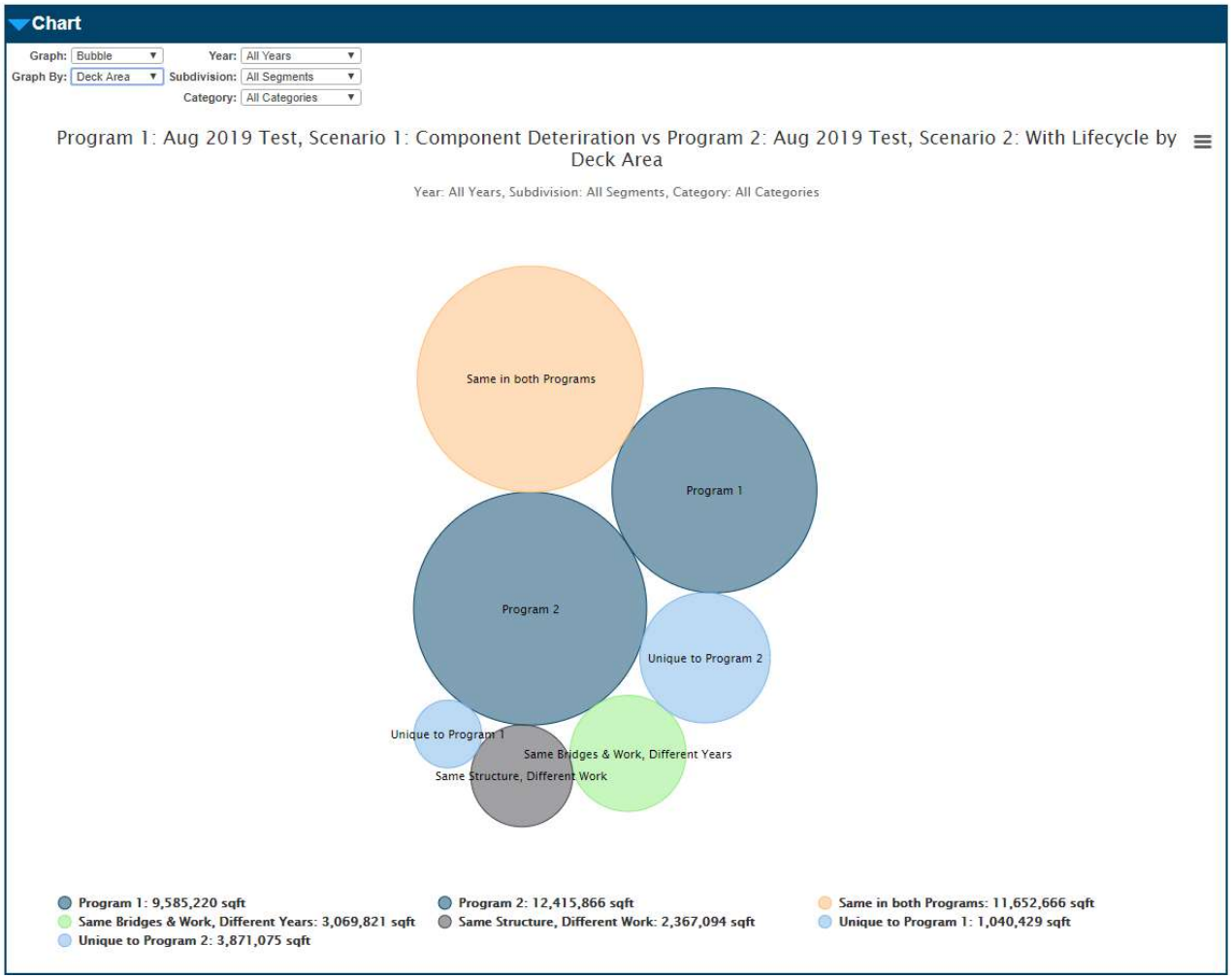
The graphs can show you differences by deck area, or cost or count of bridges. Lots of options.

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



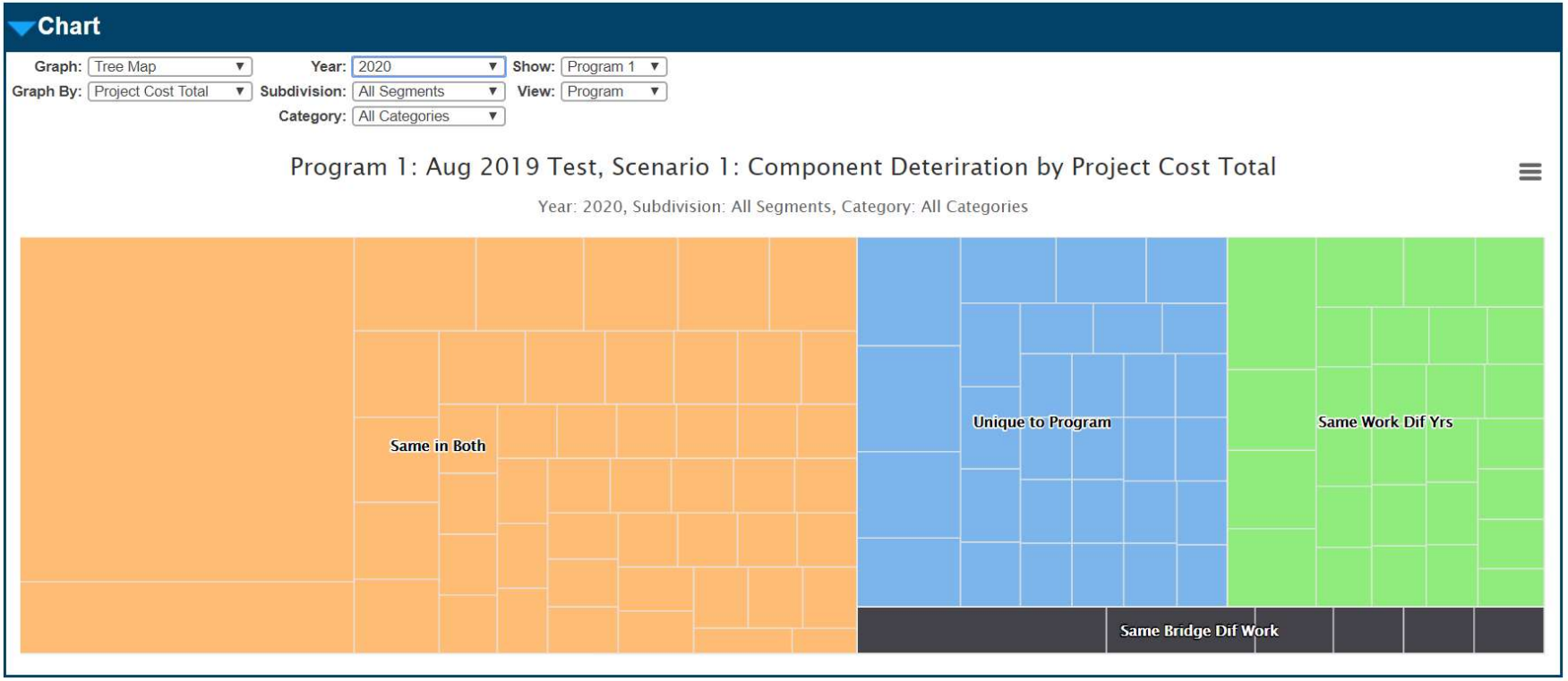
If it's easier to see them by relative size …

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



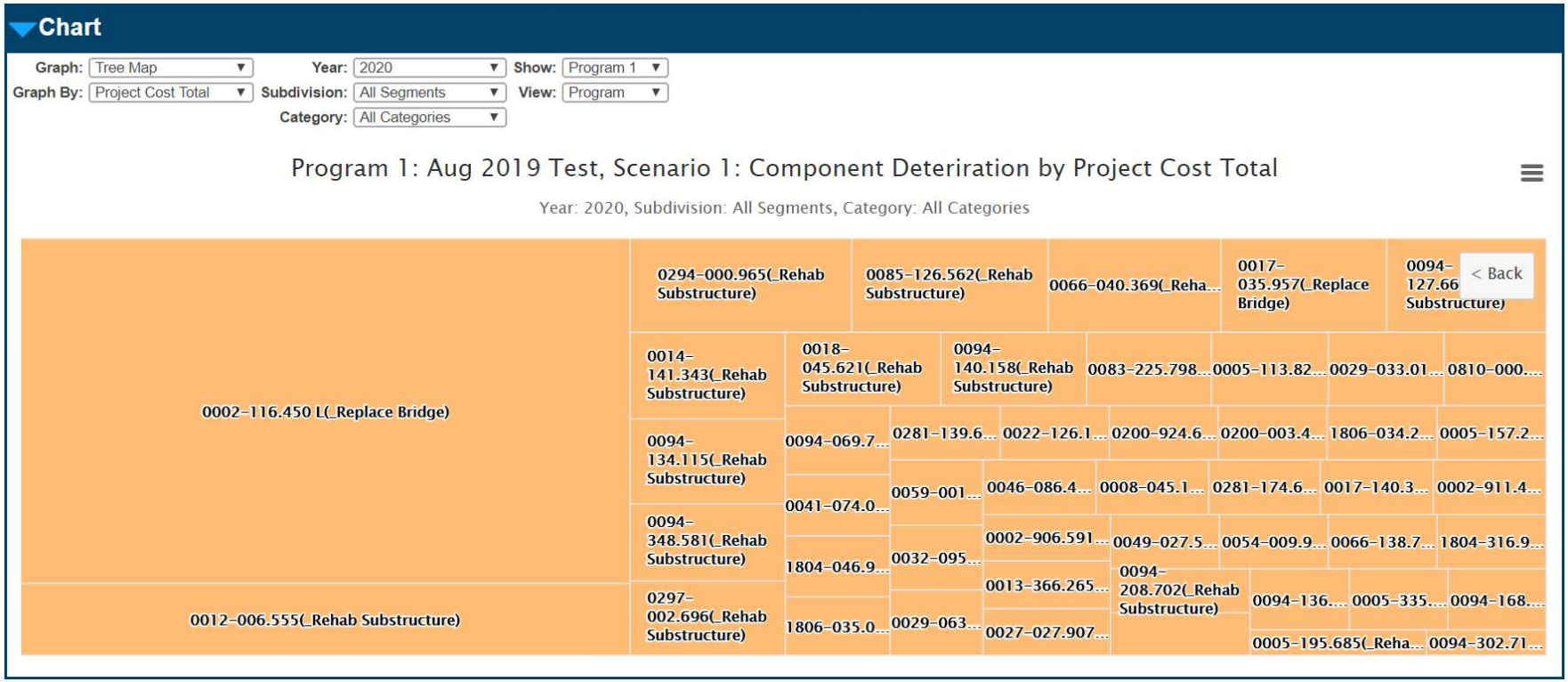
The tree-map graphs let you drill down to get more detail. But in this case notice the large project on the top left. Right away you can see the biggest project is the same in both programs.

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES



Drilling down can get more details.

PROGRAM COMPARISON TOOL

NEW LOGIN SCREEN

PROGRAM COMPARISON TOOL

BrR WEBSERVICES

0012-006.555(_Rehab Substructure)	002.696(_Rehab Substructure)	1806-035.0...	0029-063...	0027-027.907...	Substructure)	0005-195.685(_Reha... 0094-302.71...

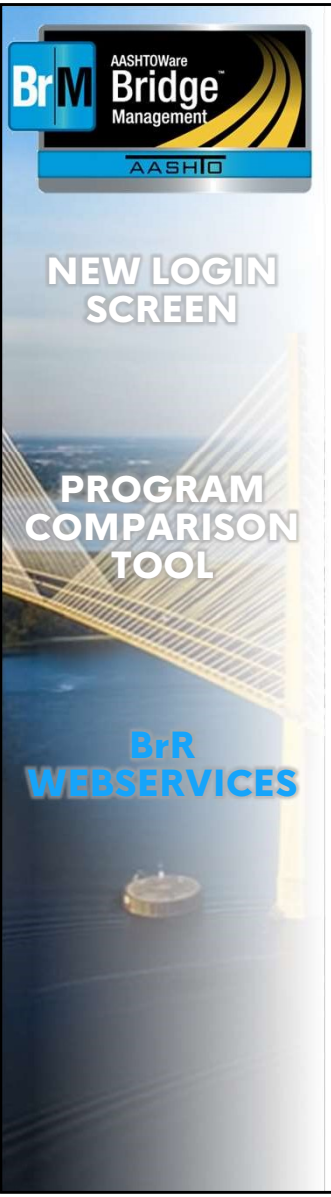
Data

Expand All Collapse All

- Same In Both Programs (175)
- Same Bridge & Work, Different Years (91)
- Same Structure Different Work (28)

		Structure Number	Year	Work in Program 1	Program 1 Proj. Category	Work in Program 2	Program 2 Proj. Category	Automatic
1	2	0029203413	2024	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0094352453 R	2024	_Rehab Substructure	No Category	_Rehab Superstructure	No Category	No
1	2	0023046203	2024	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	1804027200	2024	_Replace Bridge	Replacement	_Rehab Substructure	No Category	No
1	2	0094348581	2024	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0012006555	2024	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0019118258	2024	_Replace Bridge	Replacement	_Rehab Substructure	No Category	No
1	2	0094168101 L	2024	_Replace Bridge	Replacement	_Rehab Superstructure	No Category	No
1	2	1806288840	2023	_Replace Bridge	Replacement	_Rehab Substructure	No Category	No
1	2	0023046203	2023	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0012049406	2023	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0810000846	2023	_Rehab Superstructure	No Category	_Rehab Substructure	No Category	No
1	2	0281174610	2022	_Replace Bridge	Replacement	_Rehab Substructure	No Category	No
1	2	0094352453 R	2022	_Rehab Substructure	No Category	_Rehab Superstructure	No Category	No

Scroll down to the grid. Notice you can link to the details of the project or export everything to excel.



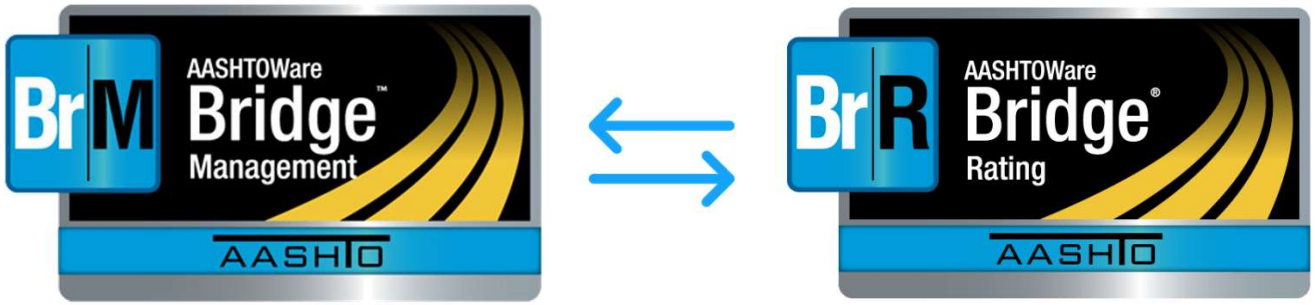
BrR WEBSERVICES

NEW LOGIN SCREEN

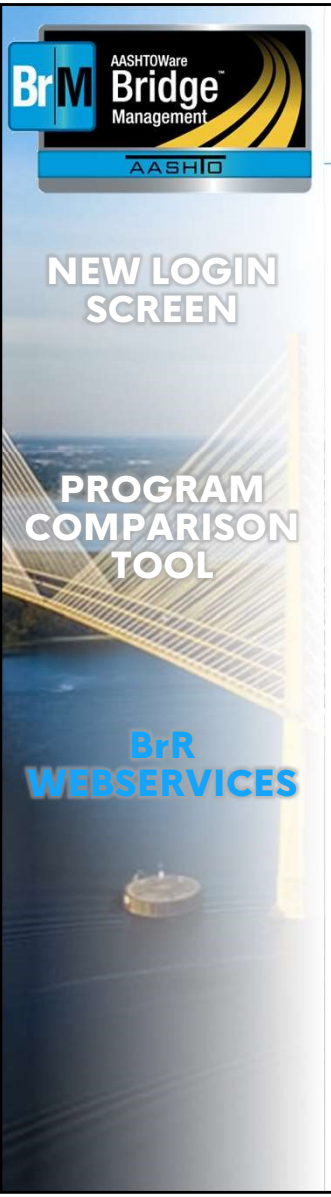
PROGRAM COMPARISON TOOL

BrR WEBSERVICES

BrR WEBSERVICES



BrM has also completed all of the API connections to connect and pass data to BrR without the two programs having to share a database.



BrR WEBSERVICES

Send to BrR:

- Inventory Data
  - Bridge ID (bridge.bridge_id)
  - NBI Structure ID (8) (bridge.struct_num)
  - Name (bridge.strucname)
  - Active Status (bridge.bridge_status)
- Location & Traffic Data
  - Year Built (bridge.yearbuilt)
  - Location (bridge.location)
  - Facility Carried (7) (bridge.facility)
  - Feat. Intersected (6) (bridge.featint)
  - Length (bridge.length)
  - Route Number (roadway.routenum)
  - Mi. Post / Km Post (roadway.kmpost)
  - District (2) (bridge.district, paramtrs)
  - County (bridge.county, paramtrs)
  - Owner (22) (bridge.owner, paramtrs)
  - Maintainer (bridge.custodian, paramtrs)
  - Admin. Area (bridge.adminarea, paramtrs)
  - NHS Indicator (roadway.nhs_ind, paramtrs)
  - Functional Class (roadway.funcclass, paramtrs)
  - Longitude (bridge.longitude)
  - Latitude (bridge.latitude)
  - Truck Percent (Roadway.truckpct)
  - Precise Latitude (bridge.precise_lat)
  - Precise Longitude (bridge.precise_lon)
- Multimedia Data
- Vehicle Data
  - Vehicle Definitions (LR_Vehicle_Defs)

BrM ⇄ AASHTOWare Bridge Rating (BrR) AASHTO

The data fields available to BrR now. Note AADT and Truck Traffic are included.

BrR WEBSERVICES

NEW LOGIN SCREEN

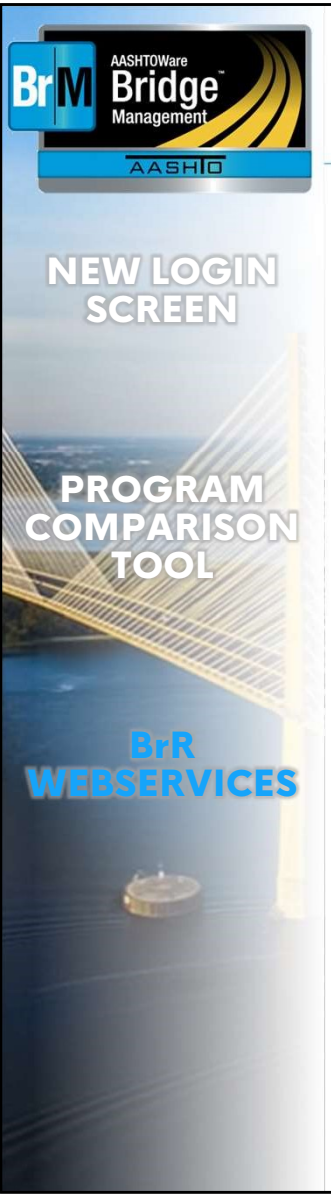
PROGRAM COMPARISON TOOL

BrR WEBSERVICES

Receive from BrR:

- Load Rating Event Data
  - Bridge_gd
  - Rating Date
  - Load Rater's name
  - Software Used (BrR in this case)
  - Rating Event Notes (if any)
- Vehicle Load Rating Data
  - Vehicle name
  - Vehicle_gd
  - Load factor
  - Load tons
  - Rating method
  - Analysis type
  - Limit State
  - Location (including span, girder and location)
- Multimedia Data

The fields BrR can now populate in BrM. BrR's part of the connection is still upcoming.



BrR WEBSERVICES

GET https://BrMWebsite.gov/BrM6/rest/bridge?l=brr HTTP/1.1

```
{"TotalRows": 1120,
 "Items":
[{BRIDGE_GD: "BFB20F07802040FB912558045D8D8FE1  ",
    BRIDGE_ID: "00100",
    STRUCT_NUM: "000000000000010",
    STRUCNAME: "Mystery Bridge",
    BRIDGE_STATUS: "3"},
{...}, ... ]}
```

GET https://BrMWebsite.gov/BrM6/api/Bridge/GetBrRBridgeDetail/BFB20F07802040FB912558045D8D8FE1 HTTP/1.1

```
{BRIDGE_GD: "BFB20F07802040FB912558045D8D8FE1  ",
    BRIDGE_ID: "00100",
    LENGTH: 1000,
    STRUCNAME: "Mystery Bridge",
    DISTRICT: "04",
    ... <etc> }
```

GET https://BrMWebsite.gov/BrM6/rest/LrVehicleDefs HTTP/1.1

```
{"TotalRows": 15,
"Items": [{LR_ VEHICLE_ DEFS_ GD: "BFB20F07802040FB912558045D8D8
FE1  ",
   VEHICLE_ NAME: "SHV 1",
   ...}, ...  ]}
```

What this actually looks like is an agreed upon format in a text-message conversation. So it's not magic, just expected formats and locations.

CONTACT

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