



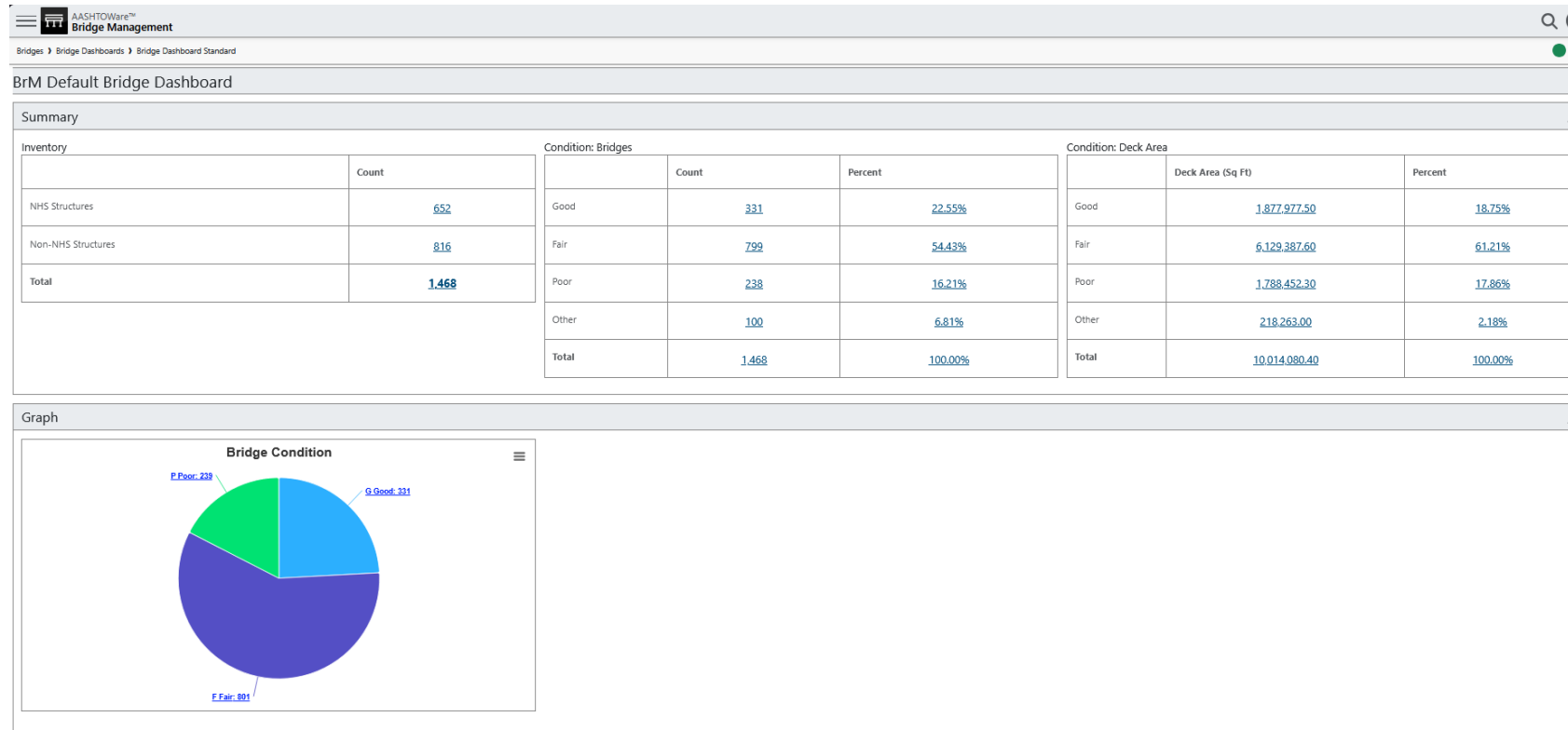
Dashboards

Easier than answering the same stupid
questions again and again and again

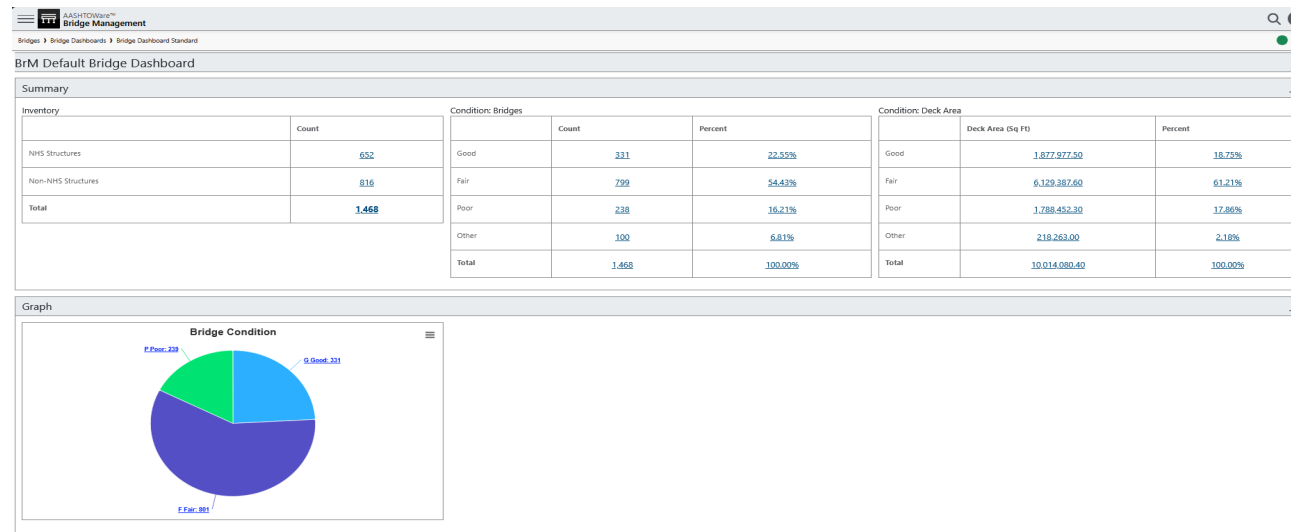
Craig Nazareth

RIDOT craig.nazareth@dot.ri.gov

Dashboards



The two main parts of a dashboard are first the Count Display

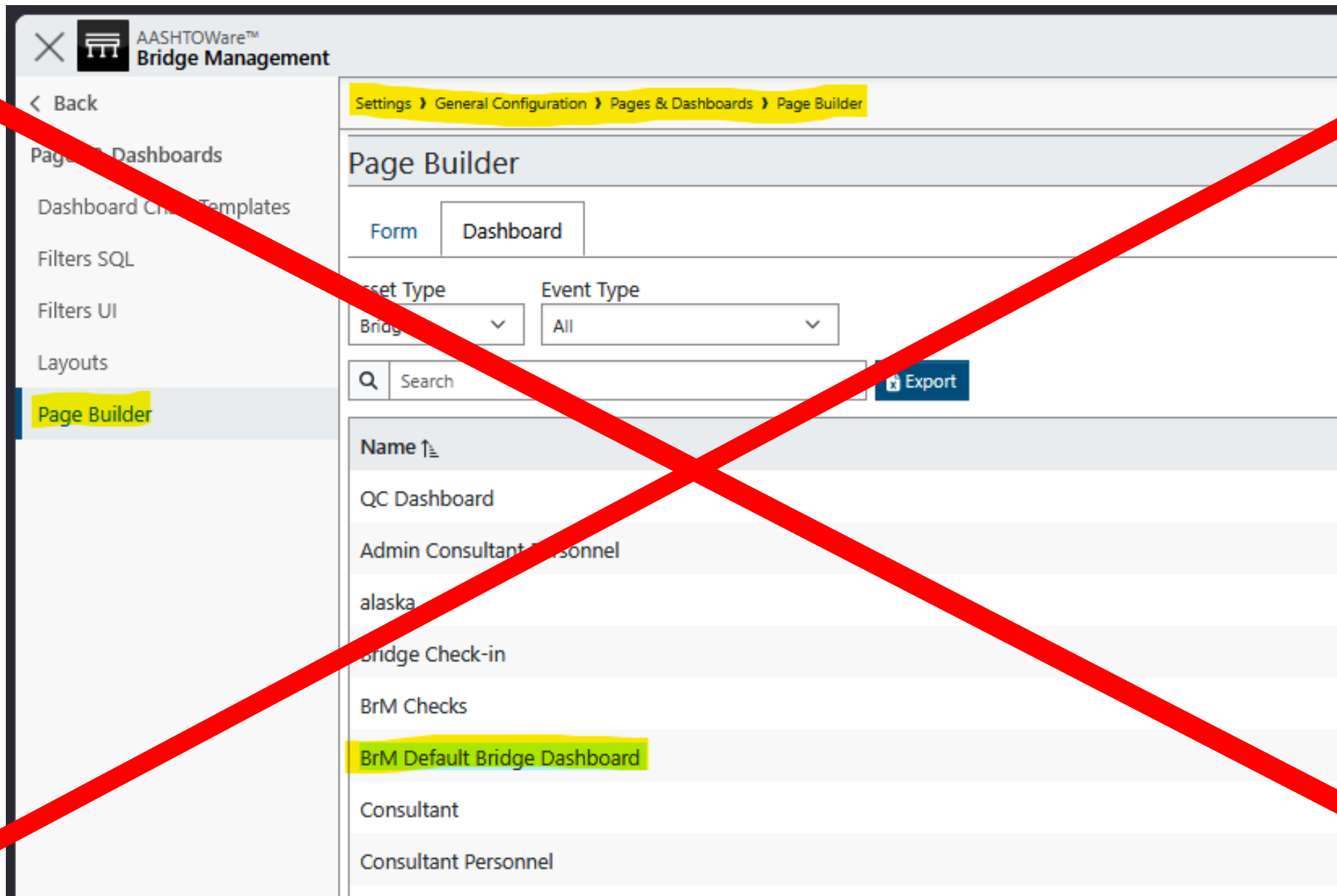


The Second part is in the Count Display And that is called The Details

Details										
Bridge Table Grid										
Inventory - Total										
Export to XLS Export to KML Map Reports										
☐	Structure Number T1	Deck Area T1	Length T1	Deck Width T1	Inspection Date T1	Deck T1	Super T1	Sub T1	Culvert T1	Condition T1
☐	000000000000010	8604.3	149.9	57.4	08/20/2025	N	5	6	N	F Fair
☐	000000000000020	6682.5	82.5	81	09/02/2025	7	4	7	N	P Poor
☐	000000000000030	1347.5	25	53.9	11/06/2025	7	7	6	N	F Fair
☐	000000000000040	1477.5	15	98.5	10/02/2024	N	5	6	N	F Fair
☐	000000000000050	376.1	6.3	59.7	03/23/2026	N	N	N	7	G Good
☐	000000000000060	1626.3	39	41.7	12/11/2025	6	6	5	N	F Fair
☐	000000000000070	13056.8	171.8	76	06/16/2026	7	7	7	N	G Good
☐	000000000000080	244	8	30.5	11/06/2023	N	6	5	N	F Fair
☐	000000000000090	492	6	82	12/09/2025	N	N	N	5	F Fair
☐	000000000000100	1731.9	23	75.3	10/31/2024	5	5	5	N	F Fair
☐	000000000000110	3691.6	83.9	44	08/28/2025	6	5	5	N	F Fair
☐	000000000000120	1107.7	19	58.3	12/09/2025	6	6	5	N	F Fair
☐	000000000000130	384.8	5.2	74	05/19/2021	N	N	N	5	F Fair
☐	000000000000140	7656	176	43.5	05/01/2025	7	5	6	N	F Fair
☐	000000000000150	1980	33	60	10/10/2025	6	6	6	N	F Fair
« < 1 2 3 4 5 » 1 - 15 of 1468 Rows per Page 15										
Records Selected: 0										

The background of the slide is a blue-tinted aerial photograph of a city with a prominent bridge and hills in the distance. A large, thick red 'X' is drawn across the entire image, from the top-left to the bottom-right and from the top-right to the bottom-left, crossing in the center.

Now we'll navigate to a Standard dashboard. Copy it and modify it to show you what can be done



Dashboard Settings

Name *

Asset Type *

Bridge

Event Type

Menu Item Location *

Bridge Dashboards

Save & Close

Cancel

Dashboard Settings

Name

fun with dashboards

Asset Type *

Bridge

Event Type

Menu Item Location *

Bridge Dashboards

Save & Close

Cancel

Edit Menu Item Location

Use the below menu to select the new desired location.

Back

Home > Bridge Dashboards

RIDOT Dashboards All

Bridge Dashboard Standard

BrM Checks

Consultant

R_Permit_Load

WorkCandidates By Inspection Date

Work Candidates

Admin Dashboard

Consultant Personnel

fun with dashboards

A

o Meeting 2026

Summary

Inventory

	Count
NHS Structures	<u>652</u>
Non-NHS Structures	<u>816</u>
Total	<u>1,468</u>



AASHTOWare™

Bridge Management

Settings » General Configuration » Pages & Dashboards » Page Builder

Page Builder

Form

Dashboard

Asset Type
Bridge

Event Type
All

Q Search

Export

Add New

Name	Event Type	Standard	
QC Dashboard		False	
Admin Consultant Personnel		False	
alaska		False	
Bridge Check-in	Bridge Inspection	False	
BrM Checks	Bridge Inspection	False	
BrM Default Bridge Dashboard		True	
Consultant		False	

Settings » General Configuration » Pages & Dashboards » Page Builder

Dashboard Settings

Name *

Fun with Dashboards

Asset Type *

Bridge

Event Type

Menu Item Location *

root

Save & Close

Cancel

Edit Menu Item Location

Use the below menu to select the new desired location.

< Back

Bridges > Bridge Dashboards

RIDOT DashBoards All

Bridge Dashboard Standard

BrM Checks

Consultant

R_Permit_Load

WorkCandidates By Inspection Date

Work Candidates

Admin Dashboard >

Consultant Personnel

fun with dashboards

Fun with Dashboards

Ok

Cancel

⚙️

Edit Dashboard Settings

+ Add Control

Add Control

Basic

Dropdown Filter

A customizable dropdown menu control that can be used as a dependency

Empty Block

An empty block to use as a spacer

Section

A section that contains other controls

Advanced

Asset Table Grid

Adaptive table grid that loads data specified by SQL query filter selected on the page.

Chart Control

Chart Using Dashboard Chart Template

Filter Grid

A customizable grid that houses Filter Count SQL controls

Section Settings

Common

Control Type

Section

Name *

SNBI Bridges

Column Width *

12

Edit Security

Control Specific

☒ Collapsible

Save

Save & Close

Cancel

Basic

Dropdown Filter
A customizable dropdown menu control that can be used as a dependency

Empty Block
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Chart Control
Chart Using Dashboard Chart Template

Filter Grid
A customizable grid that houses Filter Count SQL controls

Filter Grid Settings

Common

Control Type
Filter Grid

Name *

Report to FHWA

☒ Show Name

Column Width *
3

[Edit Security](#)

Control Specific

[Grid Configuration](#)

[Save](#) [Save & Close](#) [Cancel](#)

Filter Grid Configuration

[Editor](#) [Preview](#)

☐ Show Grid Lines [Add Row](#) [Add Column](#)

1	A1	↕ 🗑️ ⛶ ⚙️	Empty ▾
2	A2	↕ 🗑️ ⛶ ⚙️	Empty ▾

[Ok](#)

Filter Grid Configuration

Editor Preview

☐ Show Grid Lines

1 A1

2 A2

A1 A1

Empty Label

Empty Label SQL

Empty Label SQL

Color

Basic colors:

Custom colors:

Define Custom Colors >>

OK Cancel

Add to Custom Colors

ColorSolid

Hue: 160 Sat: 0 Lum: 2

Red: 2 Green: 2 Blue: 2

Custom Label

Label Preview

SNBI Bridges

Label Text

SNBI Bridges

Highlight Color

#0080FF

Text Color *

#020202

☒ Bold

OK Cancel

+ Add Row + Add Column

Ok

Filter Grid Configuration

EditorPreview

☐ Show Grid Lines

1

A1

Empty

2

A2

Empty

A2

Empty

Label

SQL

Filter Count SQL

Table Subheading

ReportToFHWA

Filter SQL

Scalar SQL

Select (case when count(*) = 0 then '0' else format(count(*), 'N0') end)
from bridge b
join EventLibrary e on e.AssetID = b.AssetID
join BridgeInspection i on i.EventID = e.ID
join (
select *
from (
select i1.*
, row_number() over (partition by assetid order by
eventdate desc) rn
from EventLibrary i1 where EventTypeID =
'4EDA6CCDC8C24D37A523ABB99FA65131') iv where iv.rn=1
) Latest on Latest.AssetID = b.AssetID and latest.ID = e.ID

where i.BridgeConditionClassification in ('G','F','P') and
i.LowestConditionRating IS NOT NULL
and b.ReportToFHWA=1

☐ Default

☒ Show Go To Column

OkCancel

Ok

AASHTOWare Bridge Management User Group Meeting 2026

Filter Grid Configuration

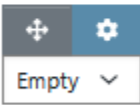
Editor

Preview

☐ Show Grid Lines

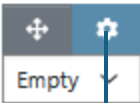
1

A1

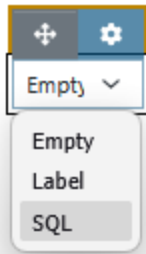


2

A2



A2



Filter Count SQL

Table Subheading ⓘ

ReportToFHWA

Filter SQL ⓘ

```
select b.AssetID as "key_"
, b.BridgeID as "Bridge ID"
, e.EventCode
, b.Name as BridgeName
, b.FacilityCarried AS "Facility Carried"
, b.FeatureIntersected AS "Feature Intersected"
, CASE WHEN b.IrregularDeckArea is null then b.CalculatedDeckArea else
b.IrregularDeckArea end as "Deck Area"
, b.ReportToFHWA
, b.NBISLength
, case when h.NHSDesignation = 'Y' then 1 else 0 end as NHS_IND
, p.PostingStatus
, i.ComplexFeatures
, b.TotalLength as "Total Length"
, b.WidthOutToOut as "Total Width"
, convert(varchar,e.EventDate, 101) as "Inspection Date"
, i.DeckRating as "Deck"
, i.SuperstructureRating as "Super"
, i.SubstructureRating as "Sub"
, i.CulvertRating as "Culvert"
, i.LowestConditionRating as "Condition"
, i.JointsRating as "Joint"
, i.BearingRating as "Bearing"
, i.ChannelRating as "Channel"
, i.ChannelProtectionRating as "Chann-Protect"
, i.ScourRating as "Scour"
, Im.Latitude as PRECISE_LAT_MIDDLE
, Im.Longitude as PRECISE_LON_MIDDLE
from bridge b
left join AssetLocation l on b.AssetID = l.AssetID and l.IsReported = 1
left join AssetLocation Im on b.AssetID = Im.AssetID and
Im.LocationCategoryID = '3B456F27D6A04318B0C136B8F42B3353'
```

+ Add Row

+ Add Column

Ok

Add Filter Variable

Settings » General Configuration » Pages & Dashboards » Page Builder

Edit Dashboard

Fun with Dasboards

SNBI Bridges

No controls to display

Report to FHWA

SNBI Bridges

[782](#)

Cancel Delete

Report to FHWA

SNBI Bridges

[782](#)

Report to FHWA Settings

Common

Control Type
Filter Grid

Name *
Report to FHWA

☒ Show Name

Column Width *
3

Edit Security

Control Specific

Grid Configuration

Save Save & Close Cancel

Settings » General Configuration » Pages & Dashboards » Page Builder

Edit Dashboard

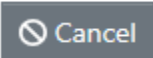
Fun with Dashboards

SNBI Bridges

Report to FHWA

SNBI Bridges

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→ 

 Edit Dashboard Settings

 Add Control

→ **Advanced**

Asset Table Grid
Adaptive table grid that loads data specified by SQL query filter selected on the page.

Chart Control
Chart Using Dashboard Chart Template

Filter Grid
A customizable grid that houses Filter Count SQL controls

Dependencies

☒ Select All

☒ Report to FHWA ←

Asset Table Grid Settings

Common

Control Type
Asset Table Grid

Name *
→

☒ Show Name

Column Width *
 ▼

Control Specific

☐ Show Map Button

☐ Show Reports Button

Dependencies *

→

Settings » General Configuration » Pages & Dashboards » Page Builder

Edit Dashboard

Fun with Dashboards

SNBI Bridges

Report to FHWA

SNBI Bridges

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Asset Table Grid

Report To FHWA

Export to XLS

Export to KML

☐	Bridge ID ↑↓	EventCode ↑↓	BridgeName ↑↓	Facility Carried ↑↓	Feature Intersected ↑↓	Deck Area ↑↓	Rep
☐	001101	TQHK	C.L. Hussey Memorial	US 1A BSTN NCK RD	WICKFORD COVE	3691.6	true
☐	107101	WPXL	Ramp WS	I-195 W to I-95 SB	Ramp SE,US 1A,I-95 NB&SB	90819	true
☐	096601	CVWQ	Main Street	MAIN ST	BLACKSTONE RIVER	2616	true

Cancel

Delete

Asset Table Grid Settings

Common

Control Type

Asset Table Grid

Name *

Asset Table Grid

☒ Show Name

Column Width *

12

Edit Security

Control Specific

☒ Show Map Button

☒ Map Based on Lowest Condition (B.C.13)

☒ Show Reports Button

Dependencies *

Edit

Report to FHWA

Save

Save & Close

Cancel

< Back

Bridges > Bridge Dashboards > Fun with Dashboards

Bridge Dashboards

RIDOT DashBoards All

Bridge Dashboard Standard

BrM Checks

Consultant

R_Permit_Load

WorkCandidates By Inspection
Date

Work Candidates

Admin Dashboard

Consultant Personnel

Fun with Dashboards

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Fun with Dashboards

SNBI Bridges

Report to FHWA

SNBI Bridges

[782](#)

Asset Table Grid

Report To FHWA

Export to XLS

Export to KML

Map

Reports

☐	Bridge ID ↑↓	EventCode ↑↓	BridgeName ↑↓	Facility Carried ↑↓	Feature Intersected ↑↓	Deck Area ↑↓	ReportToFHWA ↑↓	NBISLength ↑↓	NHS_INC	
☐	001101	TQHK	C.L. Hussey Memorial	US 1A BSTN NCK RD	WICKFORD COVE	3691.6	true	80	1	Link
☐	107101	WPXL	Ramp WS	I-195 W to I-95 SB	Ramp SE,US 1A,I-95 NB&SB	90819	true	1920	1	Link
☐	096601	CVWQ	Main Street	MAIN ST	BLACKSTONE RIVER	2616	true	109	1	Link
☐	061991	XHJB	CD-Roadway	CD-Roadway	Jefferson Blvd	2297.7	true	48	1	Link
☐	020851	MWXU	Hunt Mills Bridge	RI 114A PLEASNT ST	TEN MILE RIVER	4993.8	true	81.2	0	Link
☐	020101	ESWH	Pontiac Avenue Bridge	PONTIAC AV	POCASSET RIVER	2297.4	true	33	0	Link
☐	065201	DOKK	O'Connell Street	I-95 N&S & RAMP WS	O'CONNELL ST	8910.2	true	47.9	1	Link
☐	057851	ZQMJ	David Spicer Bridge Providence Viaduct	I-95 NB	US 6,WOON RVR,AMTRAK	108616.8	true	1290.8	1	Link
☐	076101	NWTI	Middle Road	MIDDLE RD	RI 4	10080	true	236	0	Link

Report to FHWA Security

Role	Active	Read Only
Admin	☒	☐
AdminAnalysis	☒	☐
Advanced	☒	☐
Analysis	☒	☐
Ancillary	☒	☐
Ancillary Advanced	☒	☐
AncillaryAdmin	☒	☐
Basic	☒	☐
Complex Team Leader	☒	☐
Consultant	☒	☐
Default	☒	☐
HISTORIC	☒	☐
INSPECTION	☒	☐
Load Rater	☒	☐
LOAD_RATINGS_RIDOT	☒	☐
Maintenance	☒	☐
Municipality	☒	☐
NSTM Team Leader	☒	☐
Program Manager	☒	☐
Project Engineer	☒	☐

Report to FHWA Settings

Common

Control Type

Filter Grid

Name *

Report to FHWA

☒ Show Name

Column Width *

3

[Edit Security](#)

Control Specific

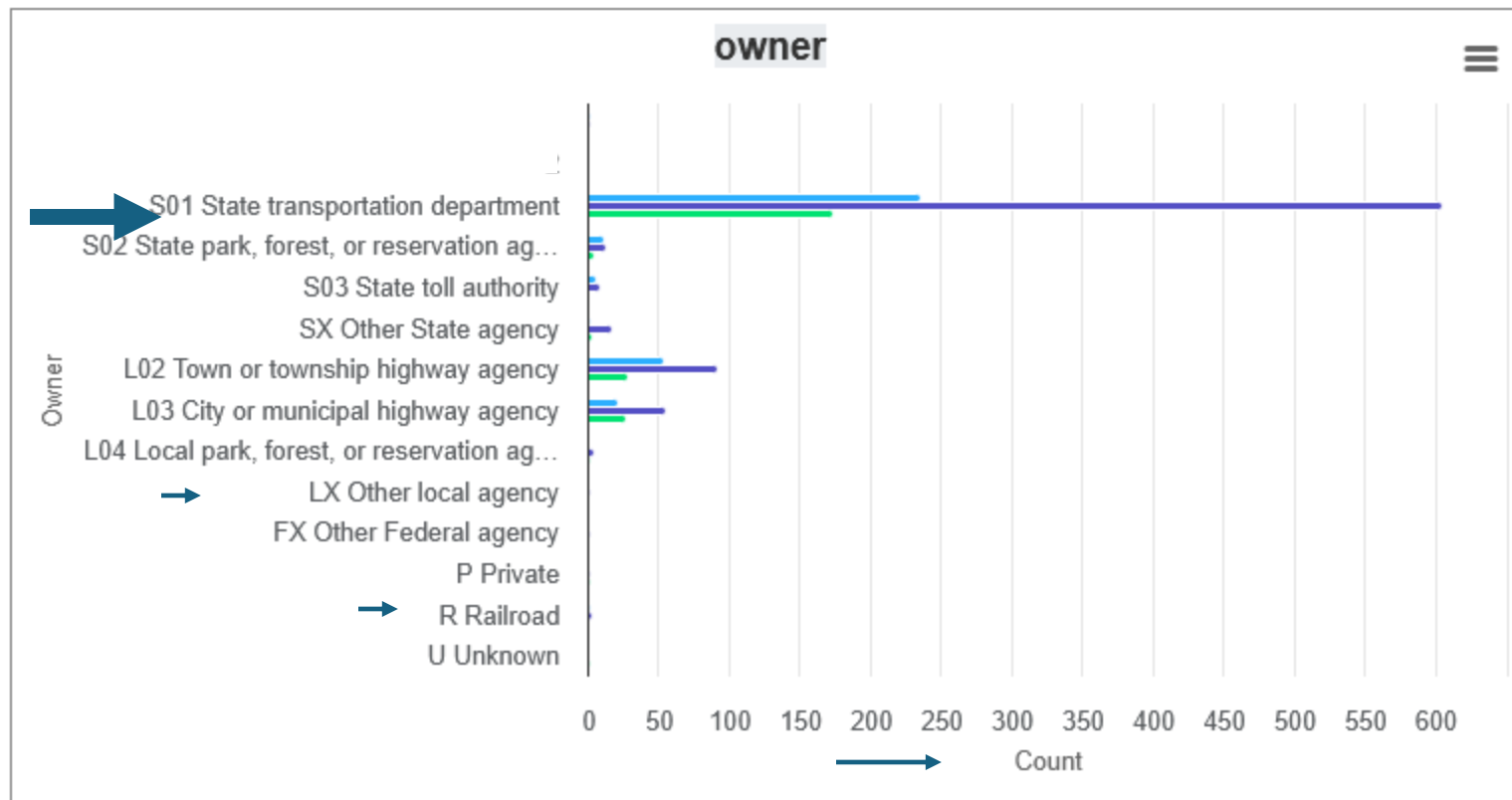
[Grid Configuration](#)

[Save](#)

[Save & Close](#)

[Cancel](#)

Chart Control



Advanced

Asset Table Grid

Adaptive table grid that loads data specified by SQL query filter selected on the page.

Chart Control

Chart Using Dashboard Chart Template

Filter Grid

A customizable grid that houses Filter Count SQL controls



FHWA TEMP Code Dashboard -V2

Filters

Overall Info



General	Count	General	Count	General	Count	General	Count	General	Count
Total structures	1247	Report to FHWA	782	Report to FHWA NOT Active	2	Report to FHWA NOT Active	2	Bridges with Load Ratings	1213
Inventory & Posting	Count	Superstructure Sets	Count	Features	Count	Condition	Count		
B CL 04 - Historic Significance	0	B SP 04 - Span Material	0	B RT 03 - Direction of Traffic	13	B C 11 - Scour Condition Rating	350		
B RH 01 - Railings	191	B SP 05 - Span Continuity	0	B H 01 - Functional Class	0	B AP 02 - Overtopping Likelihood	0		
B RH 02 - Transitions	187	B SP 06 - Span Type	0	B H 02 - Urban Code	0	B AP 03 - Scour Vulnerability	0		
B PS 01 - Posting Status	6	B SP 09 - Deck Material Type	0	B H 04 - National Highway Freight Network	6	B AP 04 - Scour Plan of Action	0		
		B SP 10 - Wearing Surface	0	B N 06 - Sub Navigation Protection	0				
		B SP 11 - Deck Protective System	0						
		B SP 12 - Deck Rebar Protective Sys	0						

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