AASHTOWare™ BRIDGE MANAGEMENT

BrM Inspection 102

The Un-Abridged Version

Photo by Evan Leith on Unspla

BrMUG 2025 | Providence, RI | September 17-18

AASHTOWare™ BRIDGE MANAGEMENT

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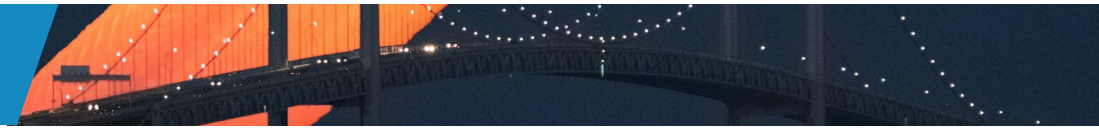
AASHTOWare™ BRIDGE MANAGEMENT

Course Overview

Photo by Evan Leith on Unsplash

Course Overview



TODAY

Before Break (Insp 101)

- ~~Login~~
- ~~Roles & Groups~~
- ~~Bridge List~~
- ~~Inspection List~~
- ~~Scheduling~~
- ~~Inspection Plans~~
- ~~Inventory~~
- ~~Design~~
- ~~Features~~

After Break (Insp 102)

- Condition & Elements
- Load Posting
- Multimedia
- Sketches
- Cross Sections

TOMORROW

Before Break (Insp 201)

- Work Candidates
- Certifications
- Inspection Assignment
- Validation
- Inspection Review
- Future Planning

After Break (Insp 202)

- Submittal
- Critical Findings
- Reports
- Dashboards
- API Calls

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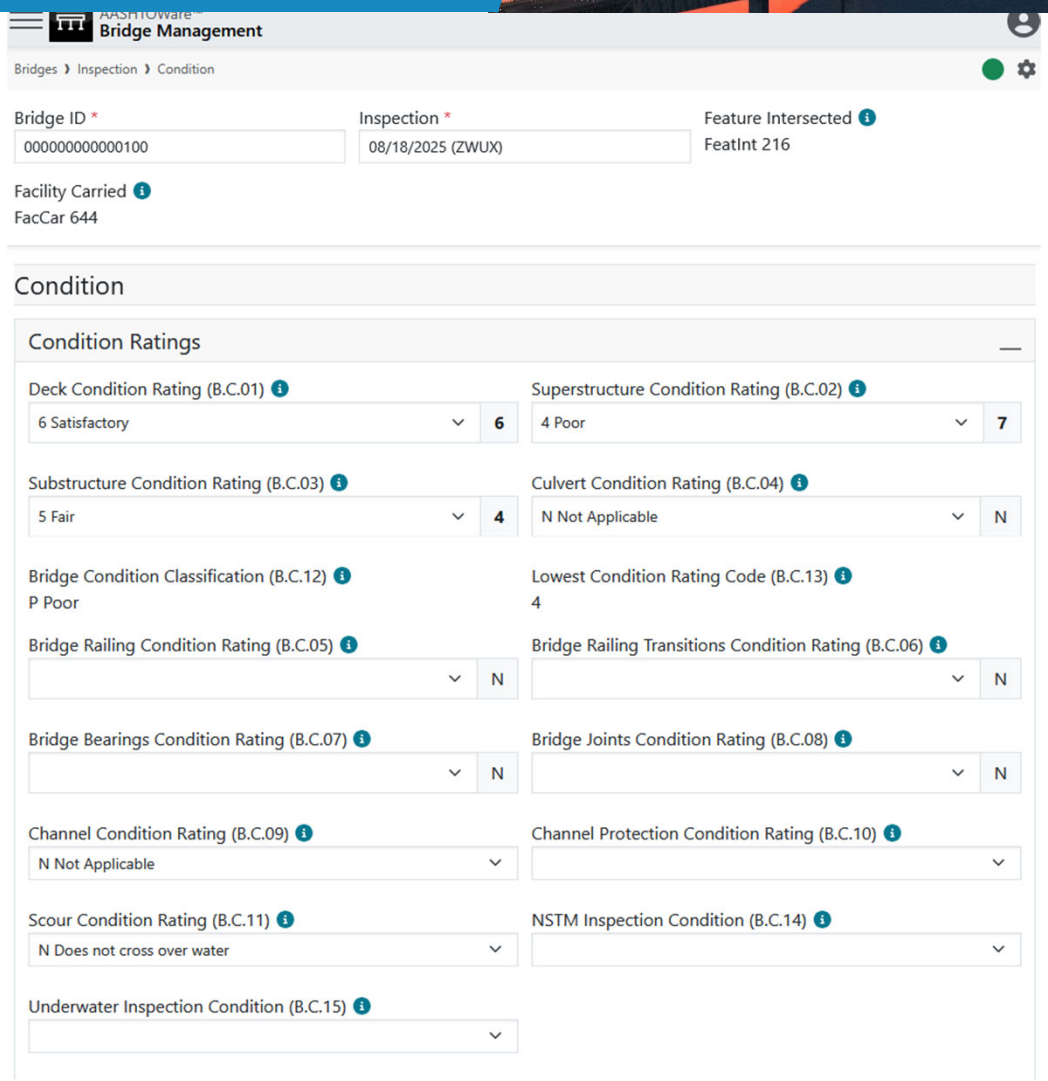
Condition & Elements

Photo by Evan Leith on Unsplash

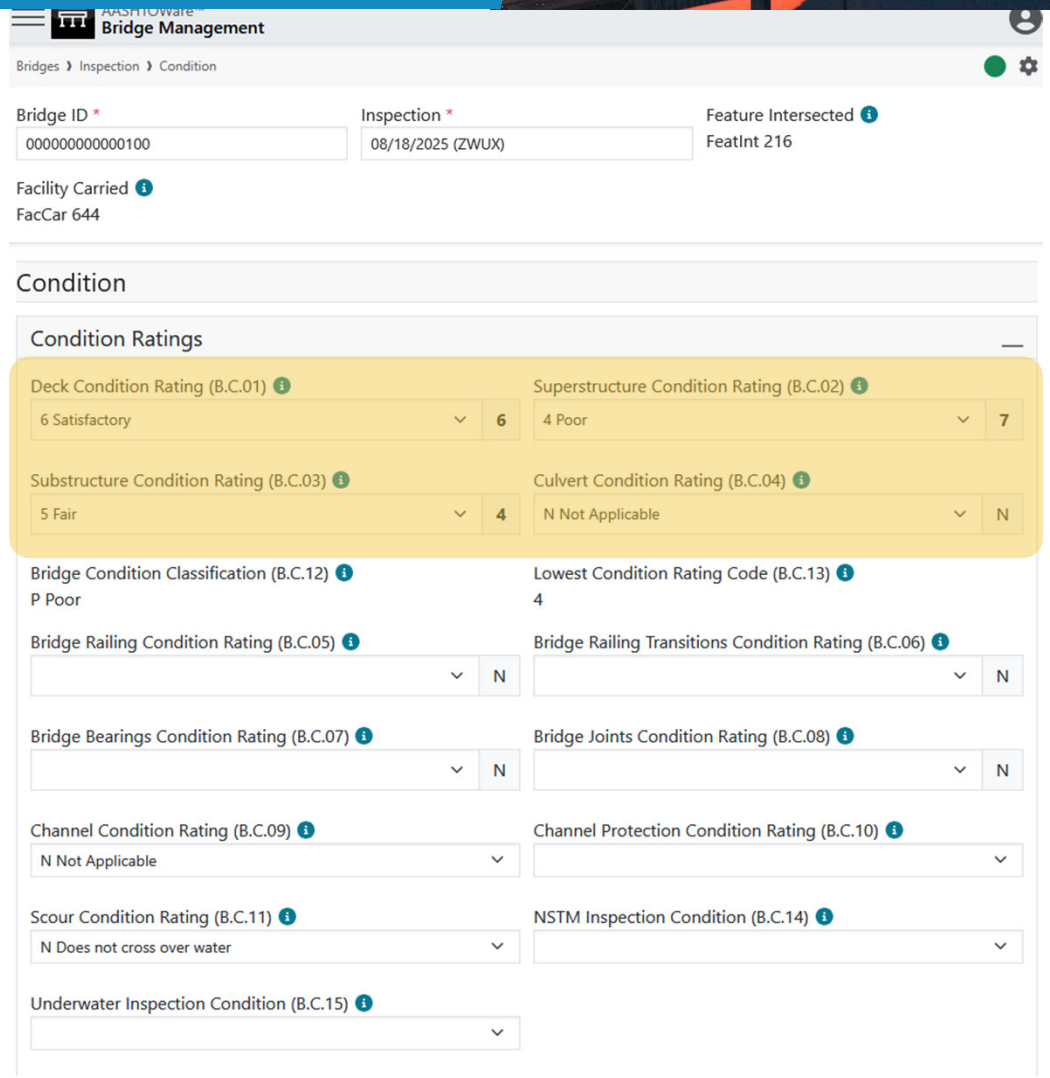
Condition & Elements



AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

General
Condition
Ratings



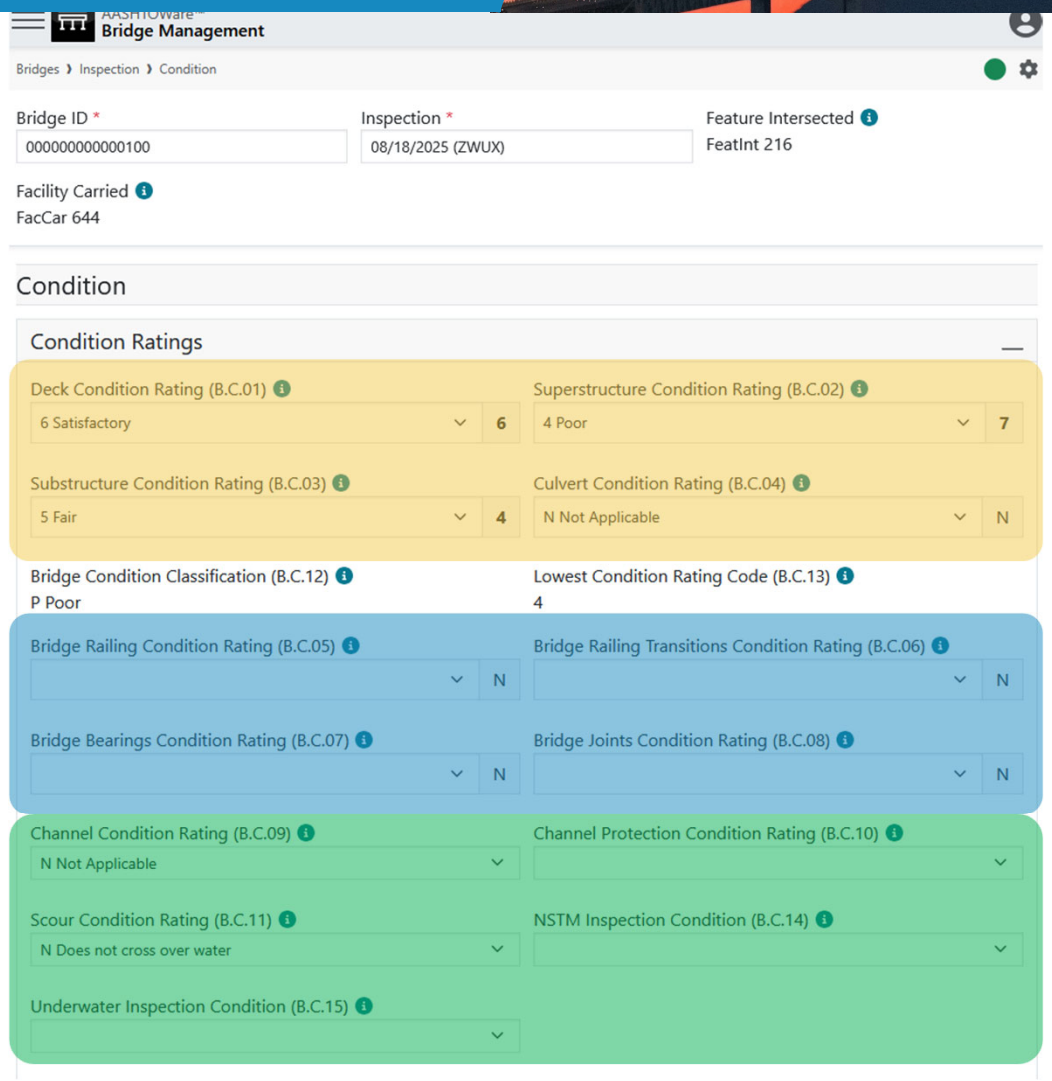
AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

General
Condition
Ratings

? Specialized – Other – New
Condition
Ratings

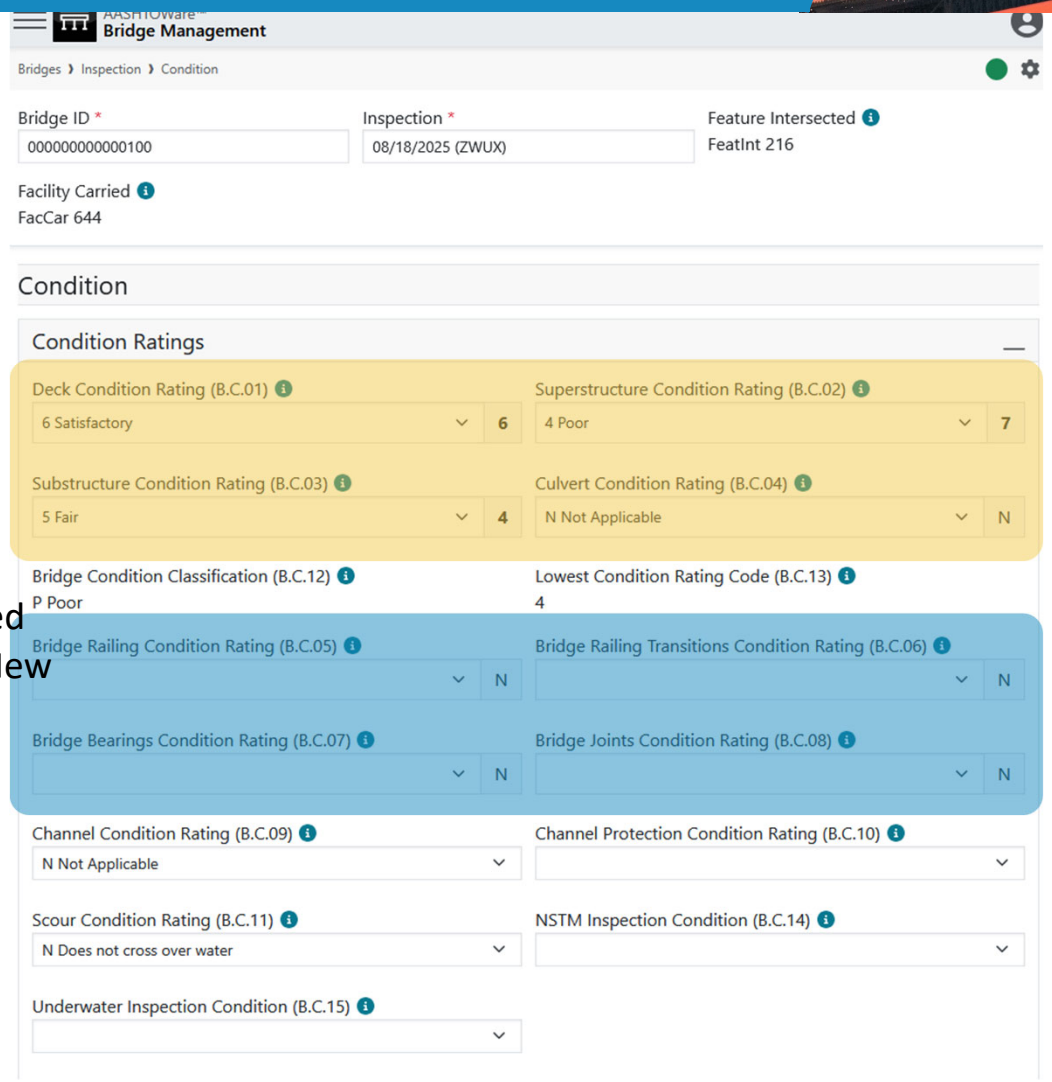
Other
Condition
Ratings

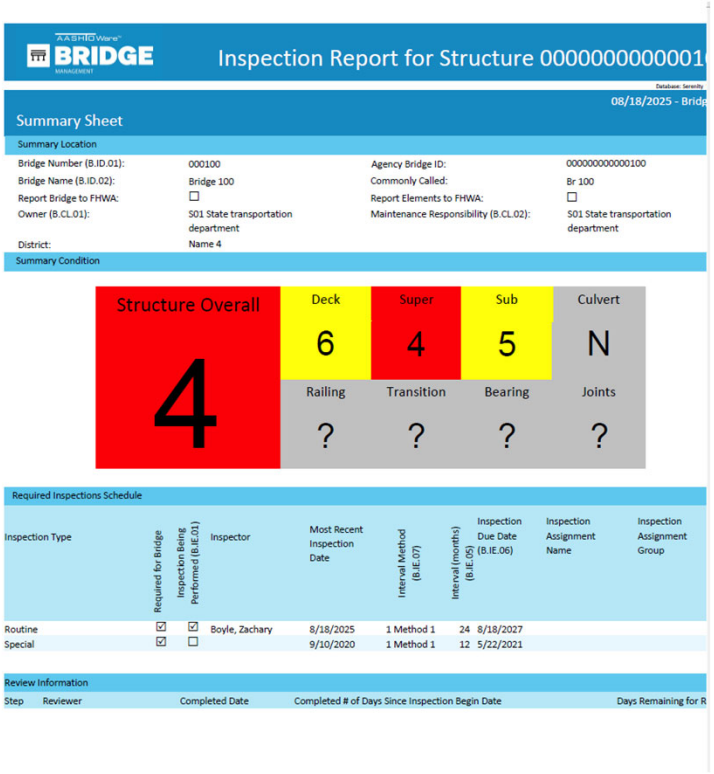


Condition & Elements

General
Condition
Ratings

? Specialized – Other – New
Condition
Ratings



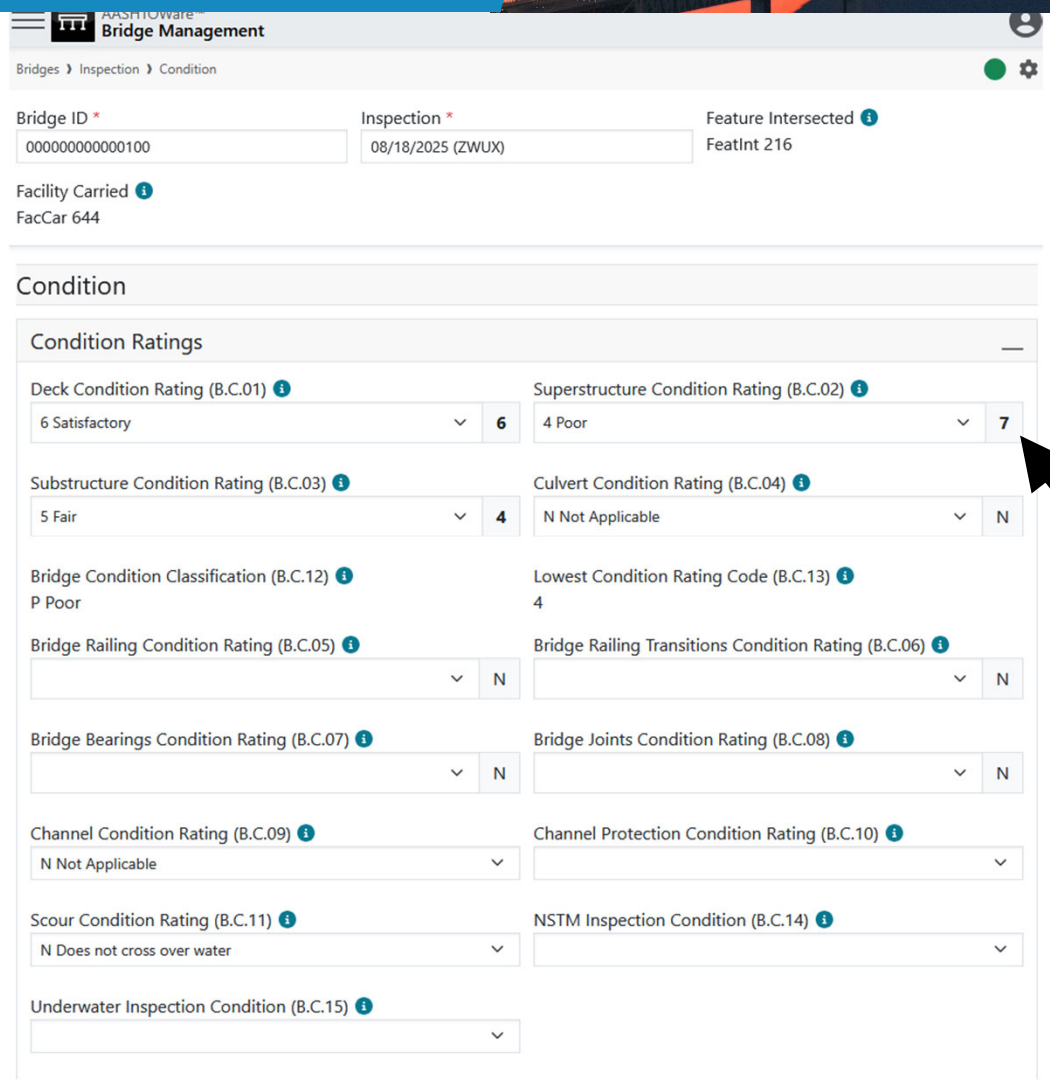


AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

Condition & Elements

Condition & Elements



AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

AASHTOWare™
Bridge Management

Bridges › Inspection › Condition

Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected
FeatInt 216

Facility Carried
FacCar 644

Condition

Condition Ratings

Deck Condition Rating (B.C.01)
6 Satisfactory | 6

Superstructure Condition Rating (B.C.02)
4 Poor | 7

Substructure Condition Rating (B.C.03)
5 Fair | 4

Culvert Condition Rating (B.C.04)
N Not Applicable | N

Bridge Condition Classification (B.C.12)
P Poor

Lowest Condition Rating Code (B.C.13)
4

Bridge Railing Condition Rating (B.C.05)
N

Bridge Railing Transitions Condition Rating (B.C.06)
N

Bridge Bearings Condition Rating (B.C.07)
N

Bridge Joints Condition Rating (B.C.08)
N

Channel Condition Rating (B.C.09)
N Not Applicable

Channel Protection Condition Rating (B.C.10)

Scour Condition Rating (B.C.11)
N Does not cross over water

NSTM Inspection Condition (B.C.14)

derwater Inspection Condition (B.C.15)

AASHTOWare™
Bridge Management

Settings › Modeling Configuration › NBI Conversion Profiles

Edit NBI Conversion Profile

Details | Generic Upper Limits | Network NBI Distributions | Assigned Bridges

Method of CS Average *
Element Weighing

NBI Rating	Enabled	CS2 %	CS3 %	CS4 %
9	☑	1	1	1
8	☑	5	5	1
7	☑	20	5	2
6	☑		10	3
5	☑		20	5
4	☑			15
3	☑			100
2	☐			
1	☐			

Cancel

AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

Bridge Condition Classification (B.C.12)
P Poor

Lowest Condition Rating Code (B.C.13)
4

Bridge Railing Condition Rating (B.C.05) N

Bridge Railing Transitions Condition Rating (B.C.06) N

Bridge Bearings Condition Rating (B.C.07) N

Bridge Joints Condition Rating (B.C.08) N

Channel Condition Rating (B.C.09)
N Not Applicable

Channel Protection Condition Rating (B.C.10)

Scour Condition Rating (B.C.11)
N Does not cross over water

NSTM Inspection Condition (B.C.14)

Underwater Inspection Condition (B.C.15)

NBI Calculation

Assigned NBI Conversion Profiles:

Decks/Slab
BrM Deck Default

Superstructure
BrM Superstructure Default

Substructure
BrM Substructure Default

Culvert
BrM Culvert Default

Calculate NBI

Element Conditions

Quantity/Percentage: Quantity | Structure Unit: All | Environment: All

Search | Expand All | Add New

Inspected	ID	Name	Structure Unit	Type	Environment	Total Quantity
	12	Re Concrete Deck	0	Element	Moderate	1820

AASHTOWare™
Bridge Management

Settings › Modeling Configuration › NBI Conversion Profiles

Edit NBI Conversion Profile

Details | Generic Upper Limits | Network NBI Distributions | Assigned Bridges

Method of CS Average *
Element Weighing

NBI Rating	Enabled	CS2 %	CS3 %	CS4 %
9	☑	1	1	1
8	☑	5	5	1
7	☑	20	5	2
6	☑		10	3
5	☑		20	5
4	☑			15
3	☑			100
2	☐			
1	☐			

Cancel

AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

Element Conditions

Quantity/Percentage: Quantity | Structure Unit: All | Environment: All

Search | Expand All | Add New

Inspected	ID	Name	Structure Unit	Type	Environment	Total Quantity
☐	12	Re Concrete Deck	0	Element	Moderate	1829
☐	107	Steel Opn Girder/Beam	0	Element	Moderate	259
☐	215	Re Conc Abutment	0	Element	Moderate	94
☐	301	Pourable Joint Seal	0	Element	Moderate	24
☐	305	Assem Jnt Wthut Seal	0	Element	Moderate	24
☐	311	Moveable Bearing	0	Element	Moderate	7
☐	313	Fixed Bearing	0	Element	Moderate	7
☐	321	Re Conc Approach Slab	0	Element	Moderate	681
☐	331	Re Conc Bridge Railing	0	Element	Moderate	96

Notes

Inspection Note (B.IE.11)

Agency Inspection Notes

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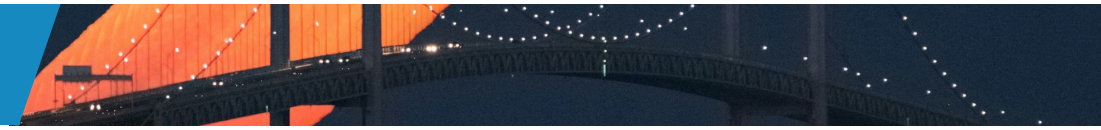
Inspection Status: New

Save | Save & Close | Cancel | Delete Bridge Inspection

AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements



Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected
FeatInt 216

Facility Carried
FacCar 644

Quantity/Percentage: Quantity
Structure Unit: All
Environment: All

Search

Expand All | Add New

Inspected	ID	Name	Structure Unit	Type	Environment	Total Quantity	Units	CS 1 Qty	CS 2 Qty	CS 3 Qty	CS 4 Qty	Description
	12	Re Concrete Deck	0	Element	Moderate	1829	sq.ft	1324	385	120	0	Lorem ipsum
	107	Steel Opn Girder/Beam	0	Element	Moderate	259	ft	209	50	0	0	Lorem ipsum
	215	Re Conc Abutment	0	Element	Moderate	94	ft	11	55	28	0	Lorem ipsum
	301	Pourable Joint Seal	0	Element	Moderate	24	ft	24	0	0	0	Lorem ipsum
	305	Assem Jnt Wthut Seal	0	Element	Moderate	24	ft	24	0	0	0	Lorem ipsum
	311	Moveable Bearing	0	Element	Moderate	7	each	4	3	0	0	Lorem ipsum
	313	Fixed Bearing	0	Element	Moderate	7	each	1	2	4	0	Lorem ipsum
	321	Re Conc Approach Slab	0	Element	Moderate	681	sq.ft	681	0	0	0	Lorem ipsum
	331	Re Conc Bridge Railing	0	Element	Moderate	96	ft	88	8	0	0	Lorem ipsum

Notes

Inspection Note (B.IE.11)

Agency Inspection Notes

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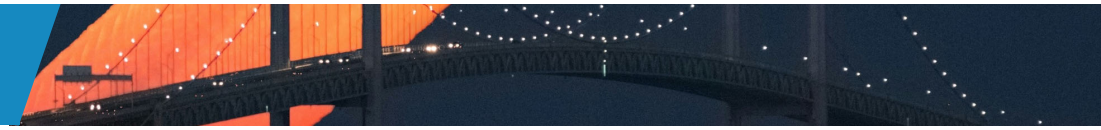
AASHTOWare BRIDGE MANAGEMENT

Condition & Elements



Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected
FeatInt 216

Facility Carried
FacCar 644

Quantity/Percentage | Structure Unit | Environment

Percentage | All | All

Search

Expand All | Add New

Inspected	ID	Name	Structure Unit	Type	Environment	Total Quantity	Units	CS 1 Pct	CS 2 Pct	CS 3 Pct	CS 4 Pct	Description
	12	Re Concrete Deck	0	Element	Moderate	1829	sq.ft	72.389	21.05	6.561	0	Lorem ipsum
	107	Steel Opn Girder/Beam	0	Element	Moderate	259	ft	80.695	19.305	0	0	Lorem ipsum
	215	Re Conc Abutment	0	Element	Moderate	94	ft	11.702	58.511	29.787	0	Lorem ipsum
	301	Pourable Joint Seal	0	Element	Moderate	24	ft	100	0	0	0	Lorem ipsum
	305	Assem Jnt Wthut Seal	0	Element	Moderate	24	ft	100	0	0	0	Lorem ipsum
	311	Moveable Bearing	0	Element	Moderate	7	each	57.143	42.857	0	0	Lorem ipsum
	313	Fixed Bearing	0	Element	Moderate	7	each	14.286	28.571	57.143	0	Lorem ipsum
	321	Re Conc Approach Slab	0	Element	Moderate	681	sq.ft	100	0	0	0	Lorem ipsum
	331	Re Conc Bridge Railing	0	Element	Moderate	96	ft	91.667	8.333	0	0	Lorem ipsum

Notes

Inspection Note (B.IE.11)

Agency Inspection Notes

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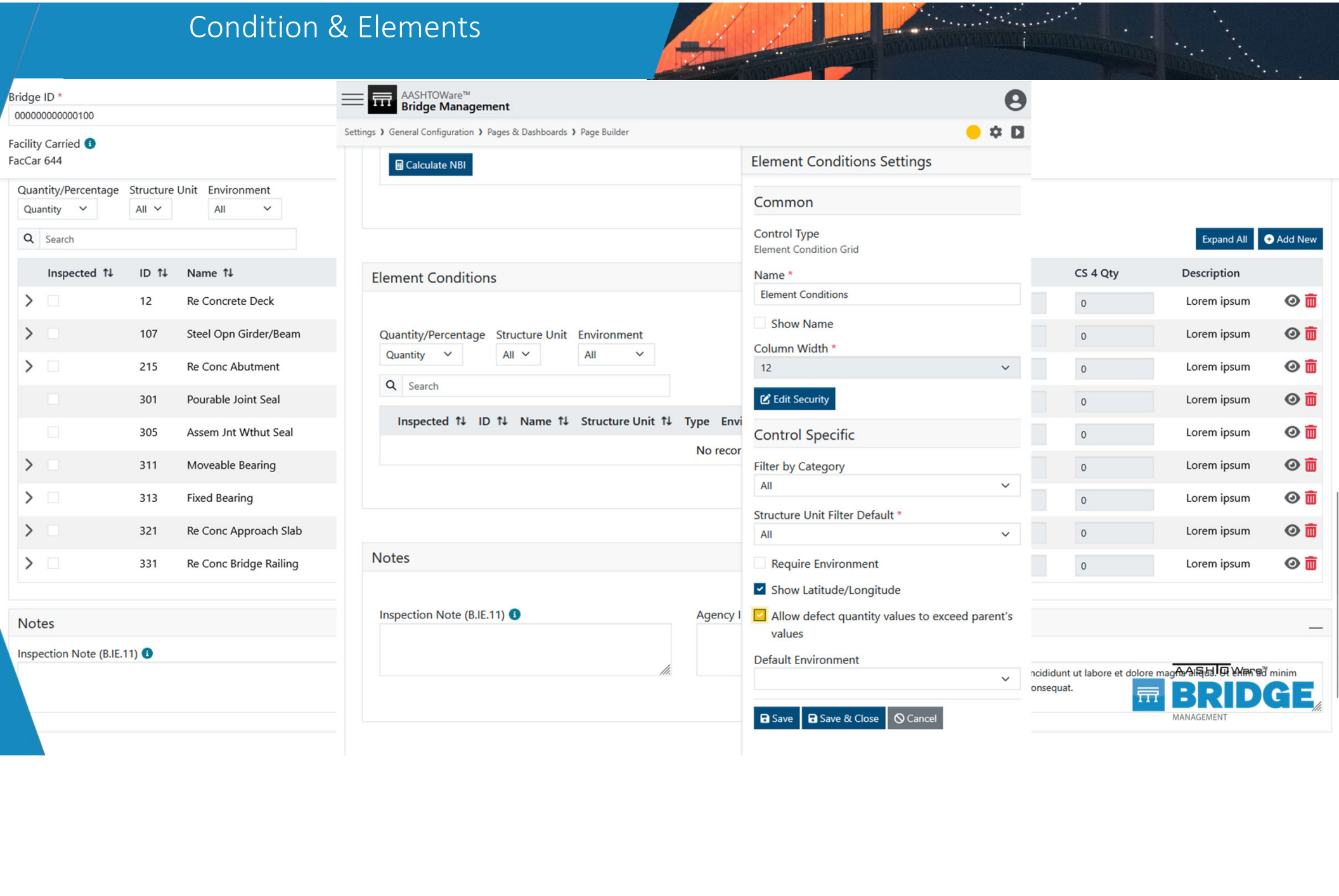
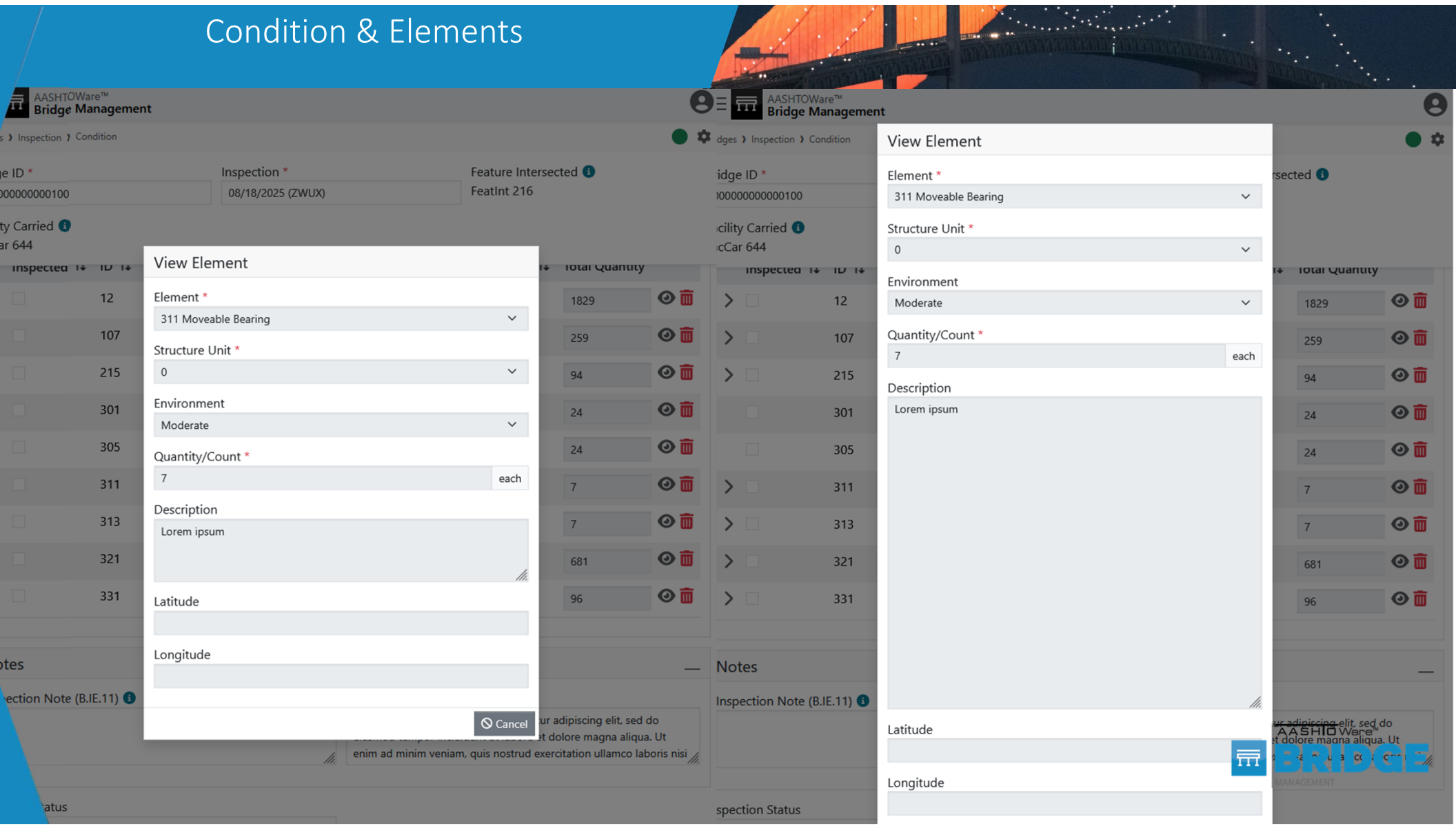
AASHTOWare™ BRIDGE MANAGEMENT

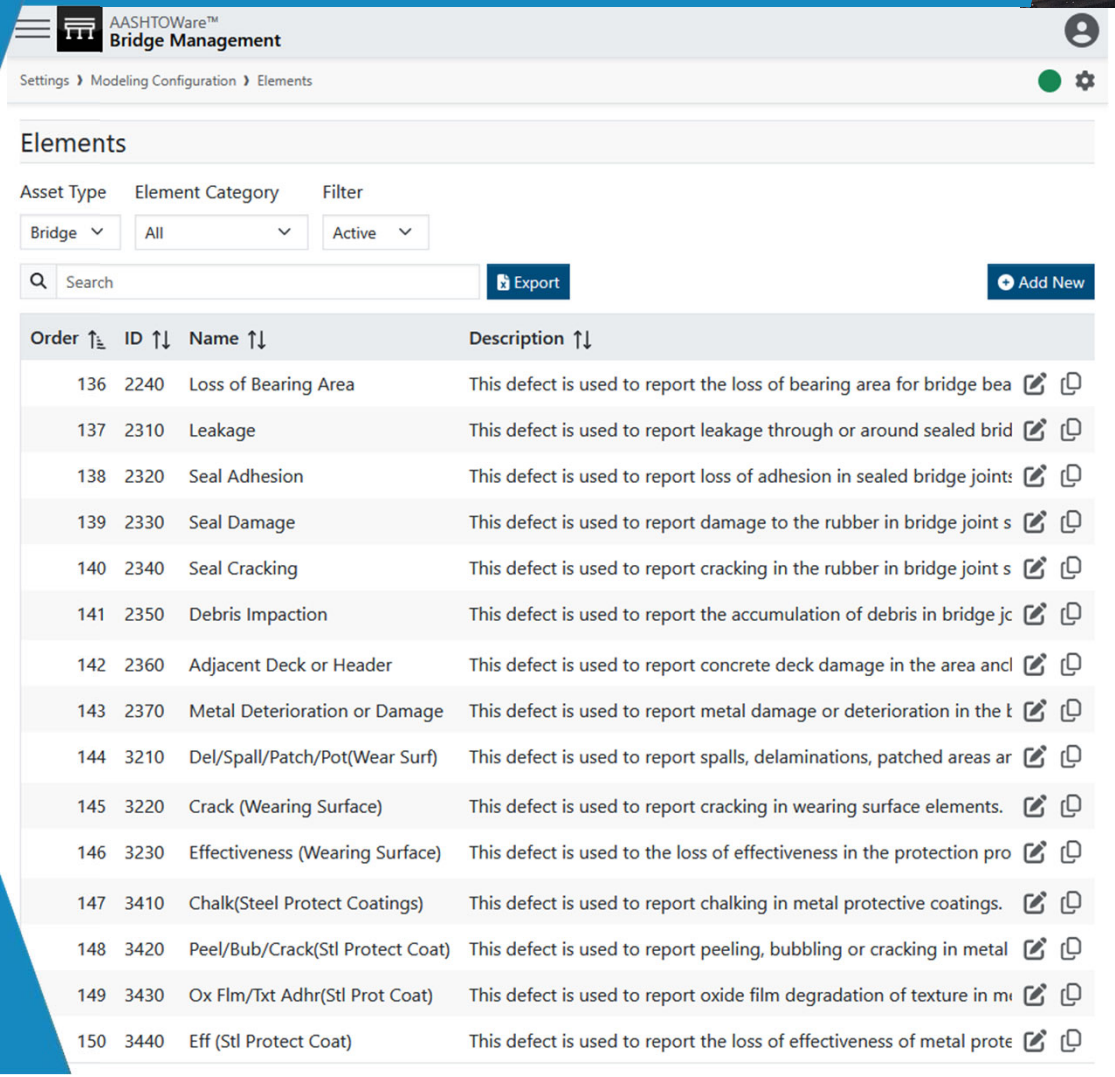
Condition & Elements



Condition & Elements



Condition & Elements



Agency Defined Elements (ADE's)

Elements tracked internal to the agency. They can be set to roll up to FHWA elements or excluded from reporting.

Used for tracking:

- Particular repair types
- Particular material types
- The old "flags" elements
- Controlled conversions

Use Case Examples:

- Beam ends
- Bearing Pedistals
- Joint Seal & Joint Headers
- Lead paint vs. Non-lead paint
- Endangered Plants / Animals present
- Wingwall (Culv) vs Wingwall (Sub)

AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements

Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected
FeatInt 216

Facility Carried
FacCar 644

Inspected	ID	Name	Structure Unit	Type	Environment	Total Quantity
	12	Re Concrete Deck	0	Element	Moderate	1829
	107	Steel Opn Girder/Beam	0	Element	Moderate	259
	215	Re Conc Abutment	0	Element	Moderate	94
	301	Pourable Joint Seal	0	Element	Moderate	24
	305	Assem Jnt Wthut Seal	0	Element	Moderate	24
	311	Moveable Bearing	0	Element	Moderate	7
	313	Fixed Bearing	0	Element	Moderate	7
	321	Re Conc Approach Slab	0	Element	Moderate	681
	331	Re Conc Bridge Railing	0	Element	Moderate	96

Notes

Inspection Note (B.IE.11)

Agency Inspection Notes
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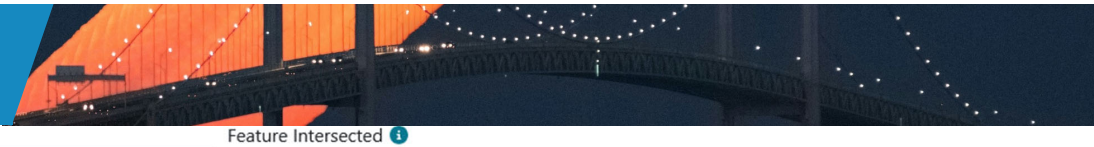
Inspection Status
New

Save | Save & Close | Cancel | Delete Bridge Inspection

AASHTOWare™ BRIDGE MANAGEMENT

Condition & Elements



Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected
FeatInt 216

Facility Carried
FacCar 644

301	Pourable Joint Seal	0	Element	Moderate	24	
305	Assem Jnt Wthut Seal	0	Element	Moderate	24	
311	Moveable Bearing	0	Element	Moderate	7	
313	Fixed Bearing	0	Element	Moderate	7	
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Notes

Inspection Note (B.IE.11)

Agency Inspection Notes
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Inspection Status
New

Save | Save & Close | Cancel | Delete Bridge Inspection

AASHTOWare™ BRIDGE MANAGEMENT

AASHTOWare™ BRIDGE MANAGEMENT

Load Posting

Photo by Evan Leith on Unsplash

Load Posting

Step 1: Know your vehicles

e. Single-Unit Bridge Posting Loads

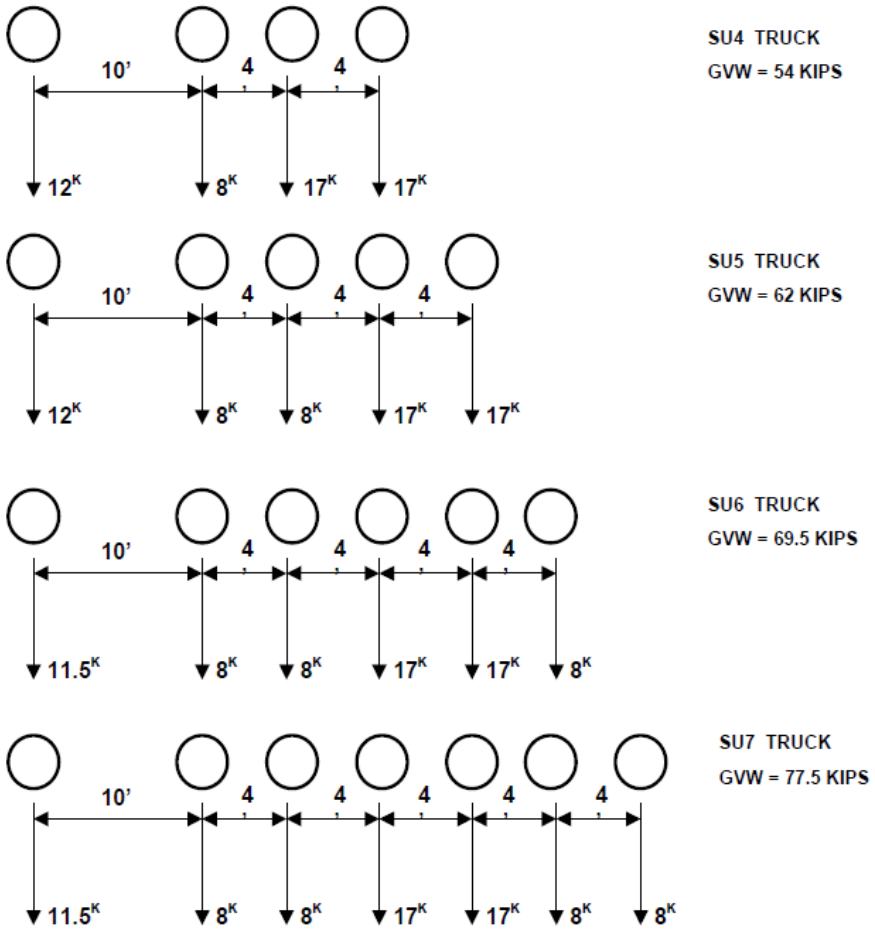


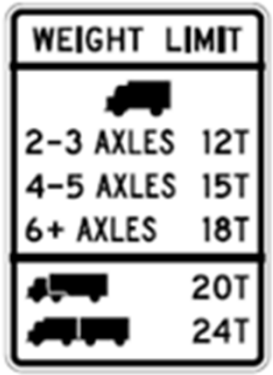
Figure D6A-7—Bridge Posting Loads for Single-Unit SHVs that Meet Federal Bridge Formula B

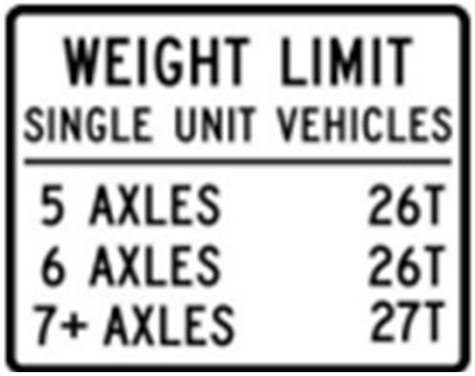
AASHTOWare™ BRIDGE MANAGEMENT

Load Posting

Step 1: Know your vehicles

Step 2: Know your signs





AASHTOWare™ BRIDGE MANAGEMENT

Load Posting

Step 1: Know your vehicles

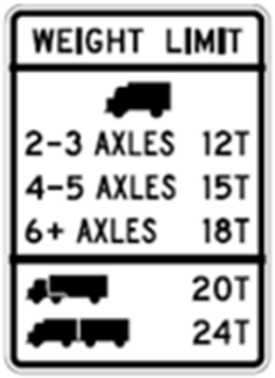
Step 2: Know your signs

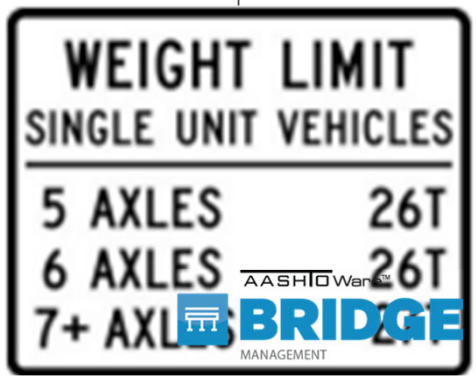
Step 3: Know the codes

Posting Type		
Format AN (1Z)	Frequency I	Item ID B.EP.03

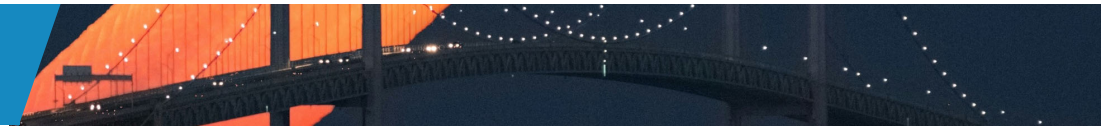
Specification	Commentary
Report the type of posting at the bridge restricting the vehicle reported in Item B.EP.01 *(Legal Load Configuration)* using one or more of the following codes. Report multiple codes in the order shown separated by pipe (|) delimiters.	This item is reported when a bridge is posted for the legal load configuration. Roadway postings are excluded. ~~This item is only reported for legal load configurations with a rating factor less than 1.0, as reported in Item B.EP.02 *(Legal Load Rating Factor)*.~~

Code	Description
G	Gross Load
A	Single Axle Load
D	Tandem Axle Load
T	Truck Load
C	No commercial vehicles
S	Speed reduction
L	Number of lanes restricted
V	Number of vehicles restricted
X	Other





Load Posting



Step 1: Know your vehicles

Step 2: Know your signs

Step 3: Know the codes

Step 4: Make this grid

Sign Name	Fed Code	Active	Default	Vehicles affected	HL_93_Inv	HL_93_Op	H_20	TYPE_3	TYPE_3S2	TYPE_3_3	LTLLM	SU_4	SU_5	SU_6	SU_7	EV2	EV3	RI_3	RI_4	RI_5	RI_5B	RI_6	RI_OP1	RI_OP2	RI_OP3	RI_OP4	RI_OP5	Fatigue	RIPTA
No Commercial Vehicles	C	Off	TRUE																										
Number of lanes restricted	L	TRUE	TRUE																										
Tandem Axle Load	D	Off	TRUE																										
Single Axle Load	A	Off	TRUE																										
Gross Load	G	Off	TRUE		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Number of vehicles restricted	V	Off	TRUE																										
Other	X	TRUE	TRUE																										
Speed reduction	S	Off	TRUE																										
Truck Load	T	Off	TRUE																										
Straight	G	TRUE	RIDOT		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EV Single Axle	A	TRUE	RIDOT													x	x												
EV Tandem Axle	D	TRUE	RIDOT														x												
3 Axle	T	TRUE	RIDOT									x						x											
3+ Axle	T	TRUE	RIDOT									x	x	x	x			x	x	x	x	x	x	x	x	x	x		
4 Axle	T	TRUE	RIDOT										x						x										
4+ Axle	T	TRUE	RIDOT										x	x	x				x	x	x	x	x	x	x	x	x		
5 Axle	T	TRUE	RIDOT											x						x									
5+ Axle	T	TRUE	RIDOT											x	x					x	x	x	x	x	x	x	x		
6 Axle	T	TRUE	RIDOT												x						x								
6+ Axle	T	TRUE	RIDOT												x						x	x	x	x	x	x	x		
7 Axle	T	TRUE	RIDOT																										

AASHTOWare™ BRIDGE MANAGEMENT

Load Posting

Step 1: Know your vehicles

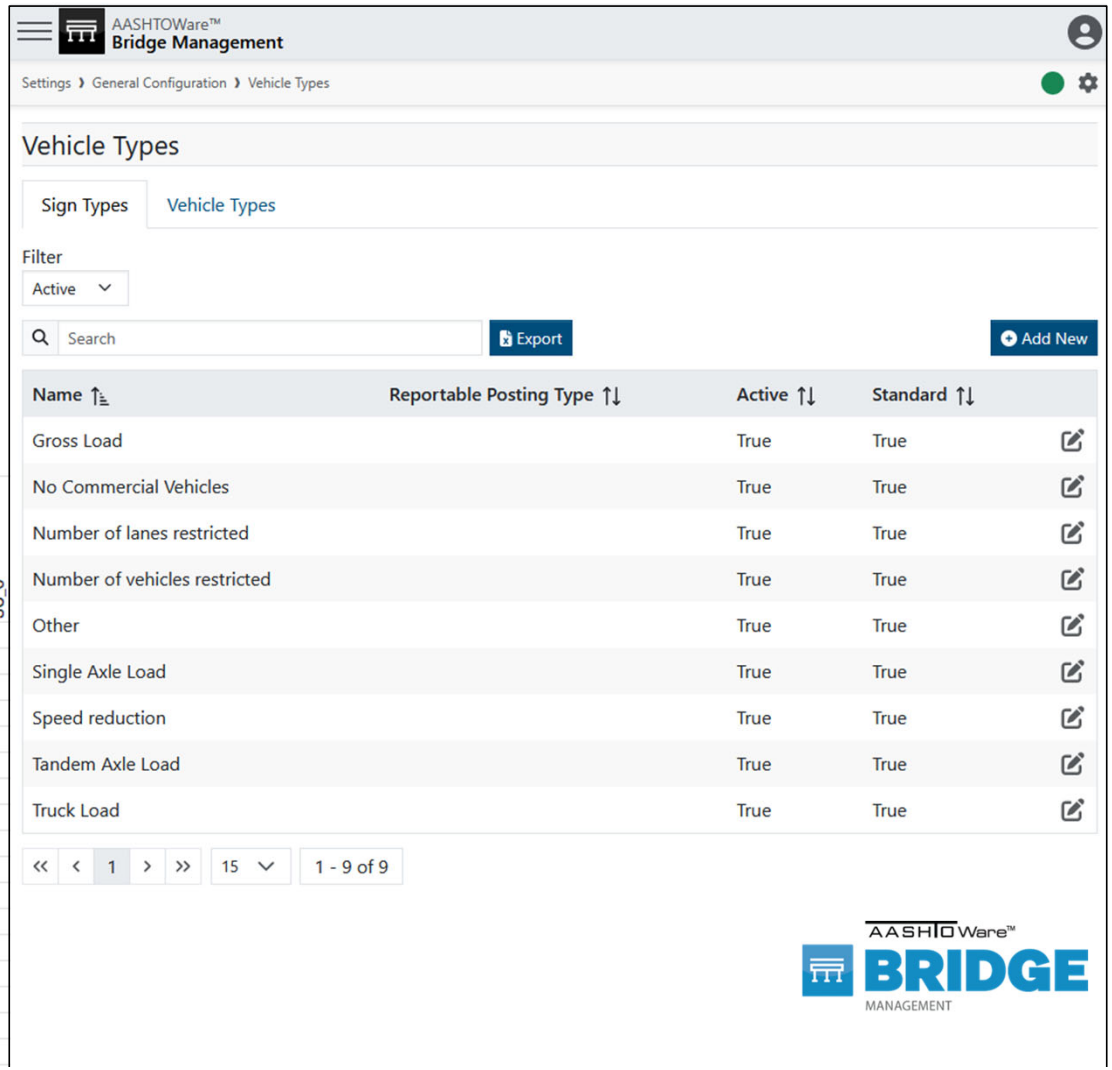
Step 2: Know your signs

Step 3: Know the codes

Step 4: Make this grid

Step 5: Set up sign / Vehicles

Sign Name	Fed Code	Active	Default	Vehicles affected	HL_93_Inv	HL_93_Op	H_20	TYPE_3	TYPE_3S2	TYPE_3_3	LTLLM	SU_4	SU_5	SU_6
No Commercial Vehicles	C	Off	TRUE											
Number of lanes restricted	L	TRUE	TRUE											
Tandem Axle Load	D	Off	TRUE											
Single Axle Load	A	Off	TRUE											
Gross Load	G	Off	TRUE		x	x	x	x	x	x	x	x	x	x
Number of vehicles restricted	V	Off	TRUE											
Other	X	TRUE	TRUE											
Speed reduction	S	Off	TRUE											
Truck Load	T	Off	TRUE											
Straight	G	TRUE	RIDOT		x	x	x	x	x	x	x	x	x	x
EV Single Axle	A	TRUE	RIDOT											
EV Tandem Axle	D	TRUE	RIDOT											
3 Axle	T	TRUE	RIDOT									x		
3+ Axle	T	TRUE	RIDOT									x	x	x
4 Axle	T	TRUE	RIDOT										x	
4+ Axle	T	TRUE	RIDOT										x	x
5 Axle	T	TRUE	RIDOT											x



Load Posting

Step 1: Know your vehicles

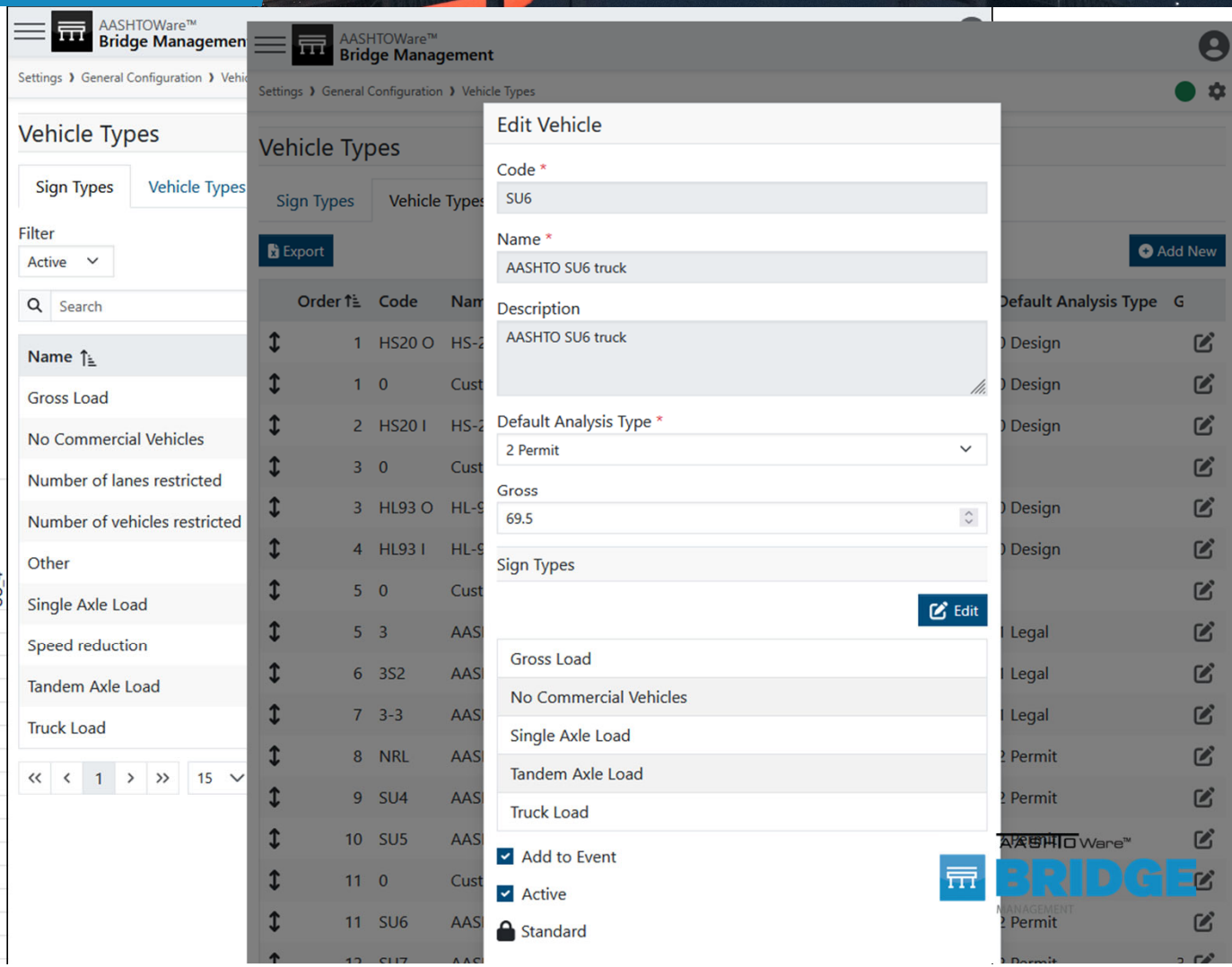
Step 2: Know your signs

Step 3: Know the codes

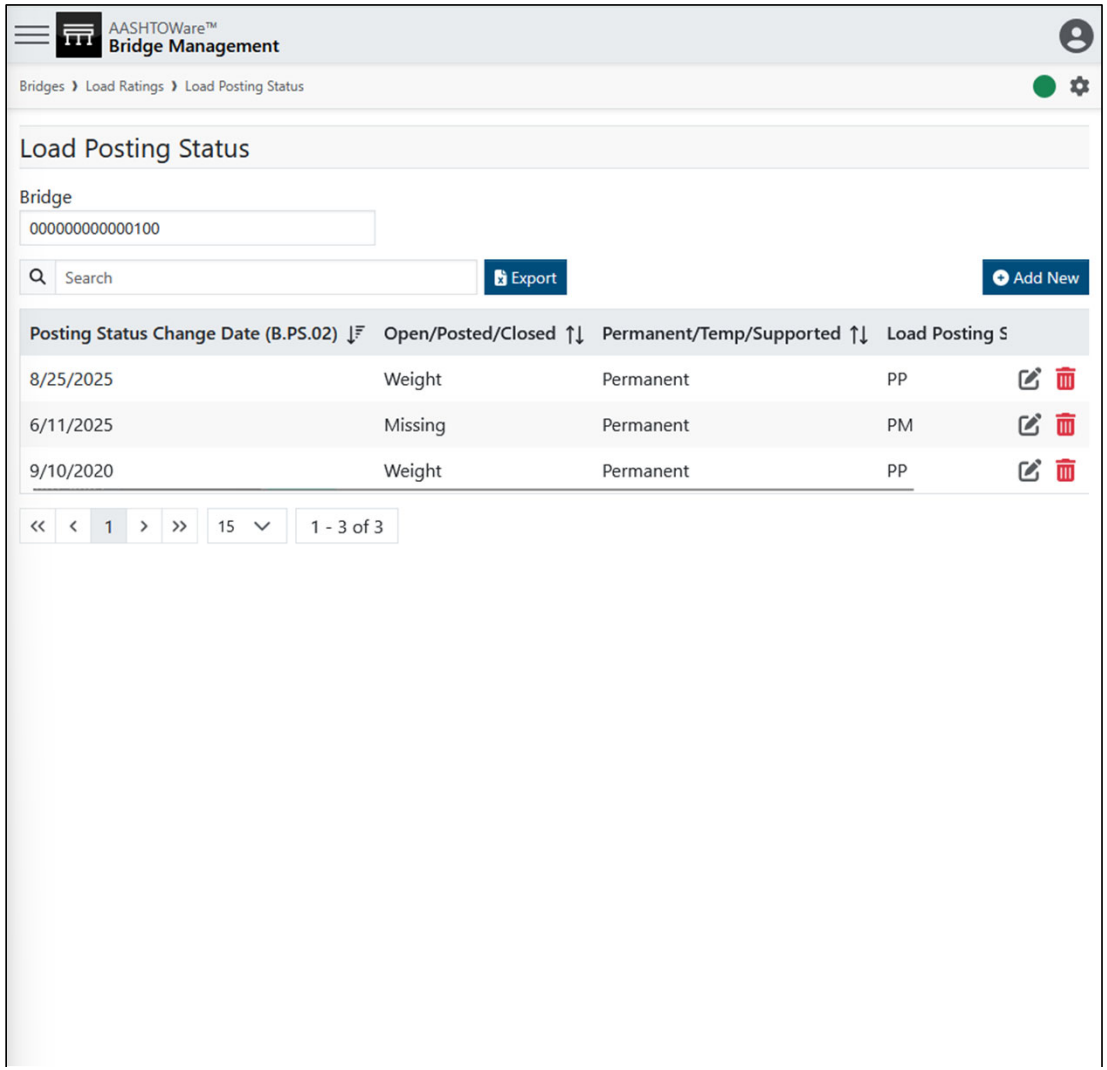
Step 4: Make this grid

Step 5: Set up sign / Vehicles

Sign Name	Fed Code	Active	Default	Vehicles affected	HL_93_Inv	HL_93_Op	H_20	TYPE_3	TYPE_3S2	TYPE_3_3	LTLLM	SU_4
No Commercial Vehicles	C	Off	TRUE									
Number of lanes restricted	L	TRUE	TRUE									
Tandem Axle Load	D	Off	TRUE									
Single Axle Load	A	Off	TRUE									
Gross Load	G	Off	TRUE		x	x	x	x	x	x	x	x
Number of vehicles restricted	V	Off	TRUE									
Other	X	TRUE	TRUE									
Speed reduction	S	Off	TRUE									
Truck Load	T	Off	TRUE									
Straight	G	TRUE	RIDOT		x	x	x	x	x	x	x	x
EV Single Axle	A	TRUE	RIDOT									
EV Tandem Axle	D	TRUE	RIDOT									
3 Axle	T	TRUE	RIDOT									x
+ Axle	T	TRUE	RIDOT									x
Axle	T	TRUE	RIDOT									



Load Posting



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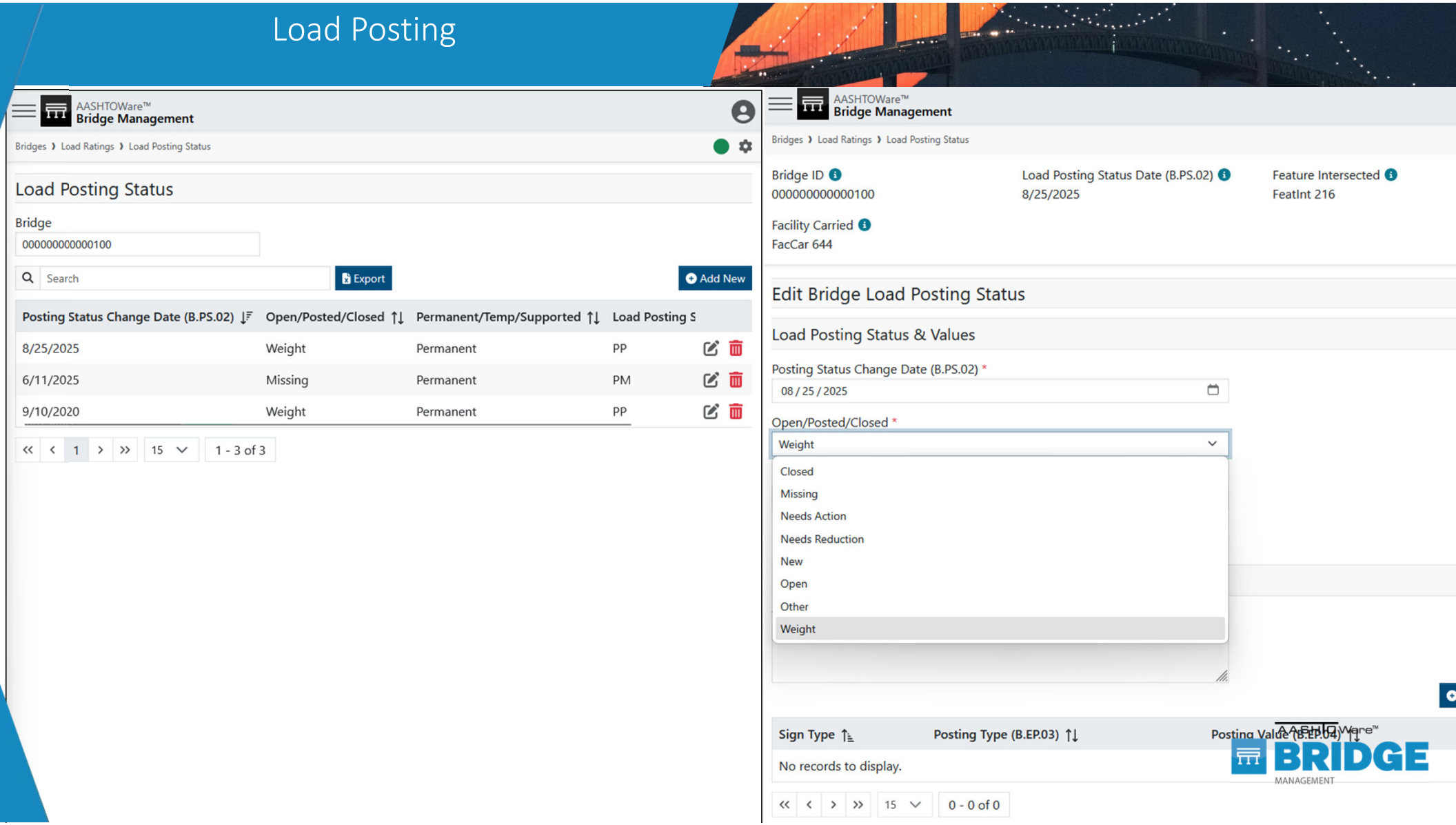
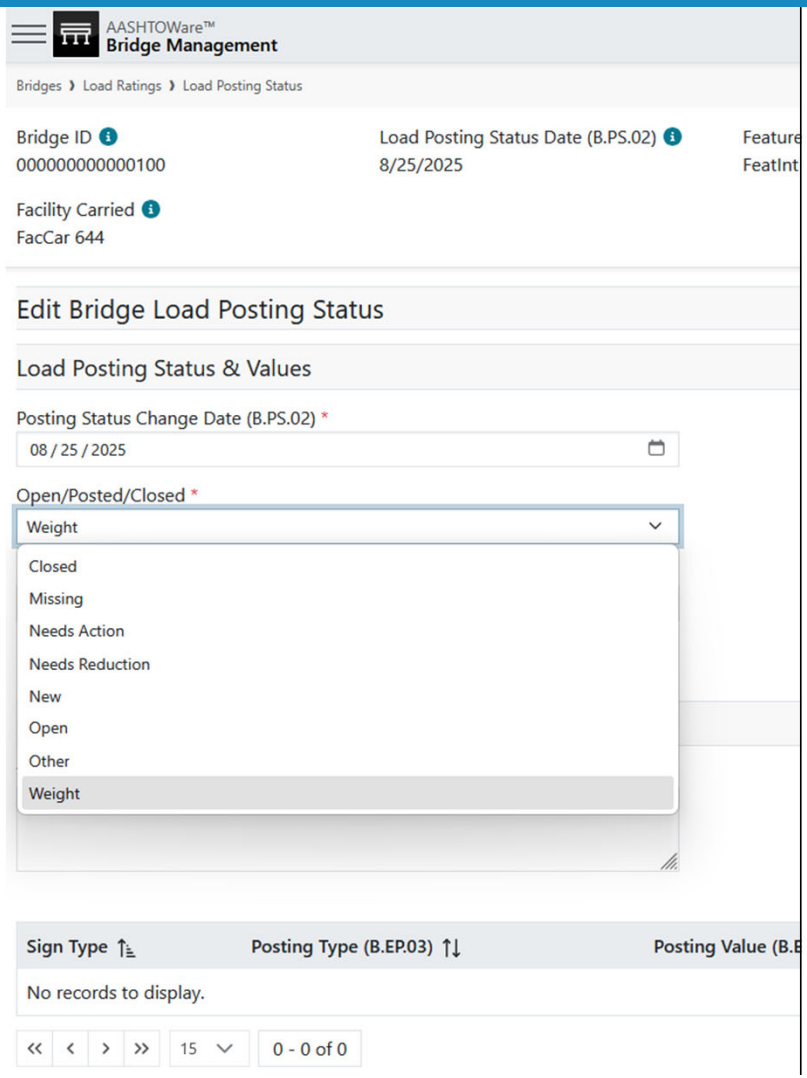


Load Posting



When both a weight and other load restriction exist at the bridge, use the code for the weight restriction (code PP, TP, or SP).

Specification Continued

Table 15. Load Posting Status Codes.

	No restriction			Posted or restricted				Closed
	New	Open	Needs Action	Weight	Other	Needs Reduction	Missing	
Permanent	N	PO	PA	PP	PR	PD	PM	C
Temporary		TO	TA	TP	TR	TD	TM	C
Supported		SO	SA	SP	SR	SD	SM	C

Terms:

Permanent (P) – Permanent bridge in place with no temporary supports.

Temporary (T) – Temporary bridge in place to carry traffic while the permanent bridge is closed and awaiting repair, rehabilitation, or replacement.

Supported (S) – Bridge with temporary shoring, supports, repairs, or supplemental members in place to keep the bridge open pending the completion of active or imminent repair, or replacement projects.

New (N) – Bridge is newly constructed and not yet open to traffic, but is expected to be open within 12 months.

Open (O) – Bridge is open with no restrictions.

Needs Action (A) – Bridge that is open with load posting recommended, but no posting signs in place, or a posting sign that is not legally enforceable.

Weight (P) – Bridge is posted with a weight limit sign or signs.

Other (R) – A posting sign or other traffic control device(s) at the bridge that reduces loading by reducing speed (to reduce impact), limiting the number of lanes or vehicles, or restricting commercial vehicles in general.

Needs Reduction (D) – Bridge is posted, with posting reduction recommended but not implemented.

Missing (M) – Bridge has a legally enforceable load posting and was posted, but one or more required signs are missing or illegible.

Load Posting

AASHTOWare™
Bridge Management

Bridges › Load Ratings › Load Posting Status

Bridge ID
000000000000100

Load Posting Status Date (B.PS.02)
8/25/2025

Feature
FeatInt

Facility Carried
FacCar 644

Edit Bridge Load Posting Status

Load Posting Status & Values

Posting Status Change Date (B.PS.02) *
08 / 25 / 2025

Open/Posted/Closed *
Weight

- Closed
- Missing
- Needs Action
- Needs Reduction
- New
- Open
- Other
- Weight

Sign Type

No records to display.

15

When both a weight and other load restriction exist at the bridge, use the code for the weight restriction (code PP, TP, or SP).

Specification Continued

Table 15. Load Posting Status Codes.

	No restriction			Posted or restricted				Closed
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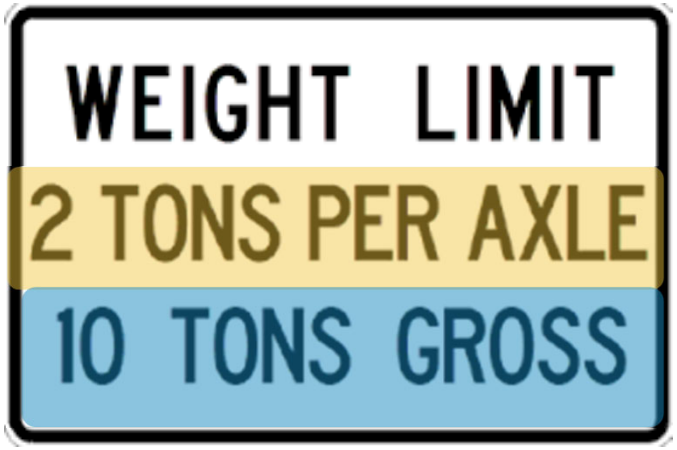
AASHTOWare BRIDGE MANAGEMENT

Load Posting

Load Posting



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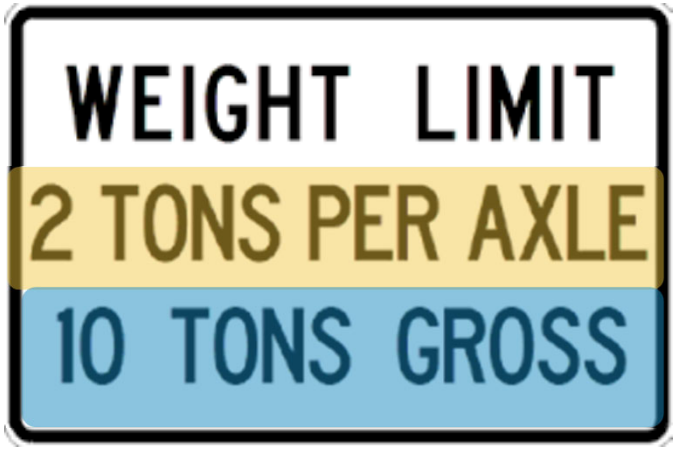

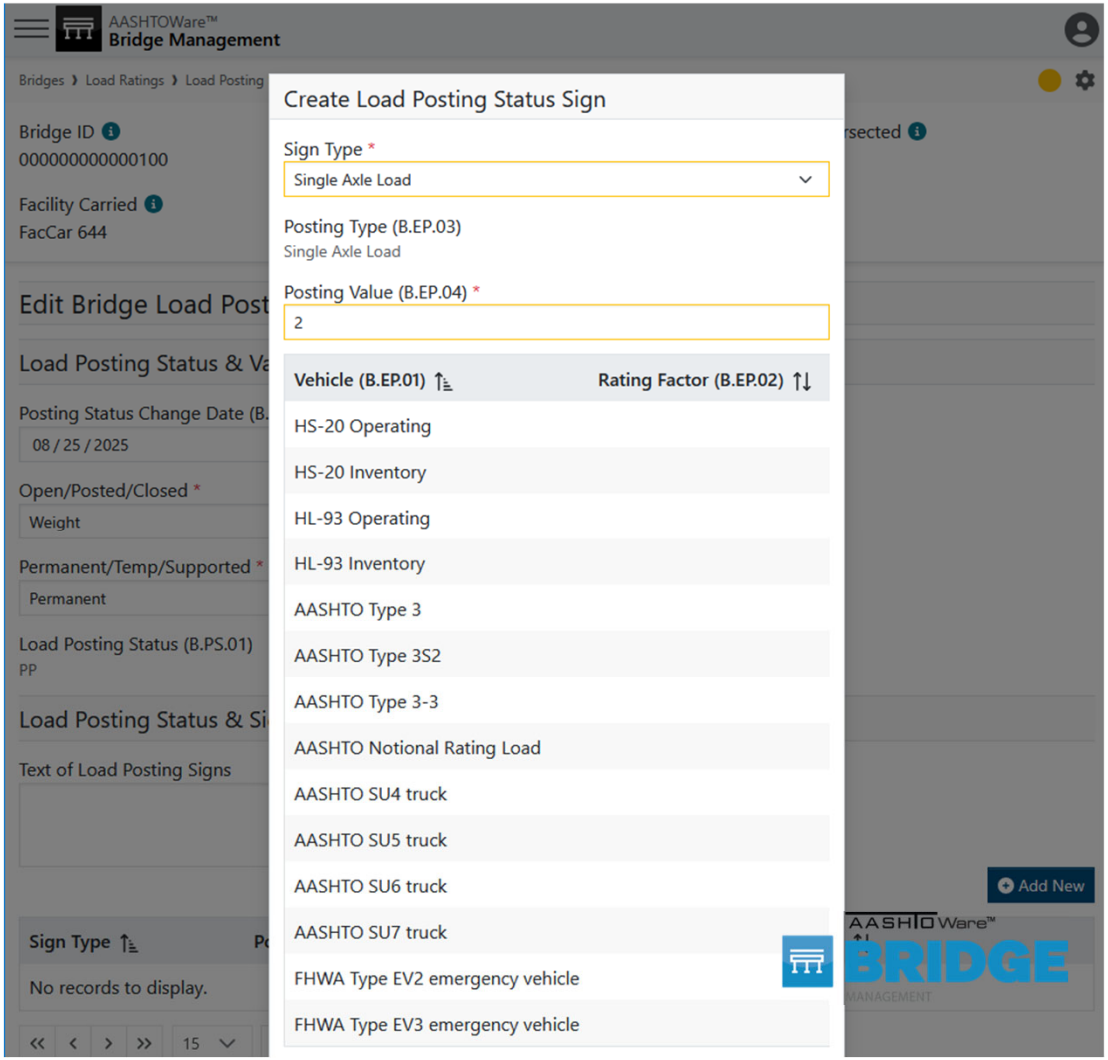

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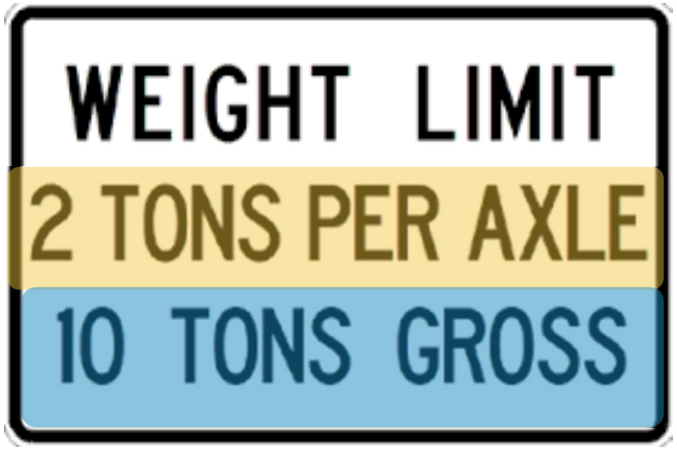


Edit Bridge Load Posting Status

Load Posting Status & Values

Posting Status Change Date (B.PS.02) *

08 / 25 / 2025

Open/Posted/Closed *

Weight

Permanent/Temp/Supported *

Permanent

Load Posting Status (B.PS.01)

PP

Load Posting Status & Signs

Text of Load Posting Signs

WEIGHT LIMIT
2 TONS PER AXLE
10 TONS GROSS

Add New

Sign Type	Posting Type (B.EP.03)	Posting Value (B.EP.04)	
Gross Load	Gross Load	10	
Single Axle Load	Single Axle Load	2	

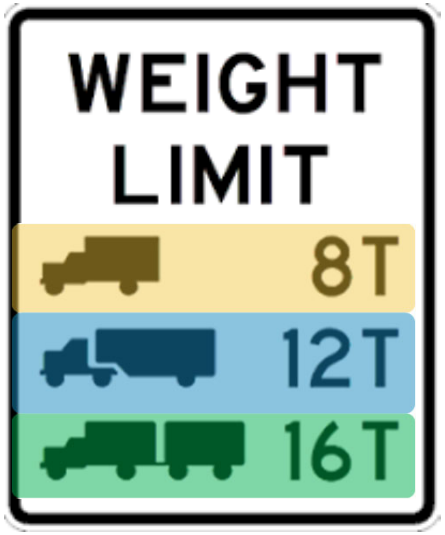
« ‹ 1 › » 15 1 - 2 of 2

Save | Save & Close | Cancel | Delete Bridge Load Posting Status

AASHTOWare™ BRIDGE MANAGEMENT

Load Posting

Load Posting



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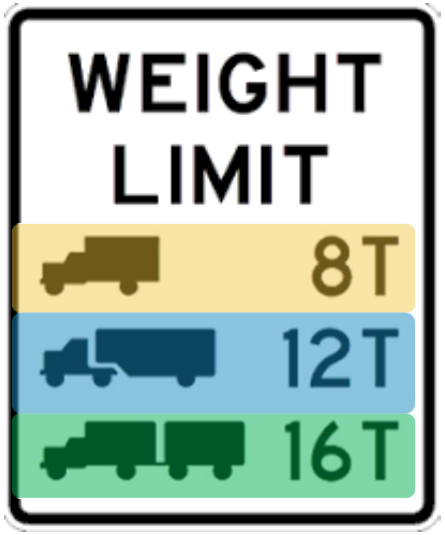
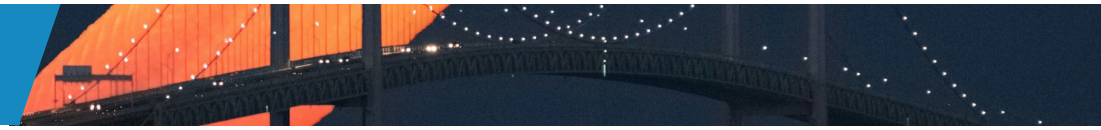


Note:

- Truck Type 1
- Truck Type 2
- Truck Type 3

Are not default Sign types and will need to be added to your site.

Load Posting



Inspection Report for Structure 29460

05/01/2025 - OLD HWY 8 OVER BIG BEAR CREEK|X994290 0.11

Bridge Data

Identification data

Bridge Number (B.ID.01):	000000000029460	Agency Bridge ID:	29460
Bridge Name (B.ID.02):	OLD HWY 8 OVER BIG BEAR CREEK|X994290 0.11	Bridge Nickname:	
Latitude:	46.784	Longitude:	-116.597
Administrative Jurisdiction:	North Latah Highway Dist	Inspection Area:	921

Inspection Condition

Bridge Condition Classification (B.C.12):	F Fair	Lowest Condition Rating (B.C.13):	5 Fair
Deck (B.C.01):	8 Very Good	Superstructure (B..C.02):	5 Fair
Substructure (B.C.03):	7 Good	Culvert (B.C.04):	N Not Applicable
Railing (B.C.05):	5 Fair	Railing Transition (B.C.06):	5 Fair
Bearing (B.C.07):	5 Fair	Joints (B.C.08):	N Not Applicable

Other Condition Ratings

Channel (B.C.09):	7 Good	Channel Protection (B.C.10):	N Not Applicable
Scour (B.C.11):	9 No scour	NSTM Inspection Condition (B.C.14):	6 Satisfactory
Underwater Inspection (B.C.15):			

Appraisal

Approach Roadway Alignment (B.AP.01):	F Fair	Overtopping Liklihood (B.AP.02):	1 Remote - once every 100 years or less frequently
Scour Vulnerability (B.AP.03):	U No appraisal, unknown foundations	Scour Plan of Action (B.AP.04):	Y A scour POA is required and implemented.
Seismic Vulnerability (B.AP.05):	0 Seismic evaluation not completed.		

Bridge notes

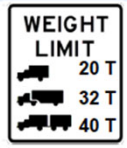
Bridge notes:

DIRECTION OF ROADWAY IS WEST TO EAST GLOBALLY AND SOUTH TO NORTH LOCALLY AT THE BRIDGE.
BRIDGE STATIONING IS SOUTH TO NORTH.
WATERWAY RUNS LEFT TO RIGHT (WEST TO EAST).
SUPERSTRUCTURE IS LABELED LEFT TO RIGHT (SOUTH TO NORTH AND WEST TO EAST).
STRUCTURE IS LABELED P1, S1, AB1, S2, AB2, S3, P3.

Page 1 of 20

29460 05/01/2025

Posting

Required	Current	
		First observed on: 01/01/2025
		First observed on: 01/01/2025

Load Posting Status History

Posting Status Change Date (B.PS.02)	Open/Posted/ Closed	Perm/Temp/Supported	Load Posting Status (B.PS.01)
05/01/2023	Weight		PP-T
01/01/2025	Weight	Permanent	PP

Other Restrictions

Posted Single Lane All Vehicles:	No	Posted Single Lane Trucks:	No
Required Vertical Clearance Posting (ft):		Actual Vertical Clearance Posting (ft):	

Procedures & Equipment

Procedures

IsCompleted	NAME	Description
In-Depth Inspection		
Yes	In-Depth Inspection	Inspect according to General procedures in IMBE Section 4.2.5.4.
NSTM Inspection		
Yes	NSTM Inspection	Inspect according to General procedures in IMBE Section 4.2.5.5.
Routine Inspection		
Yes	Routine Inspection	Inspect according to General procedures in IMBE Section 4.2.5.3.

Procedure Notes
NSTM Procedures:

Equipment

Equipment Name	CODE	HOURS
In-Depth		
A04 Rigging	A04	
NSTM		
A04 Rigging	A04	
Routine		
A05 Waders	A05	

Equipment Notes

Inspection Schedule

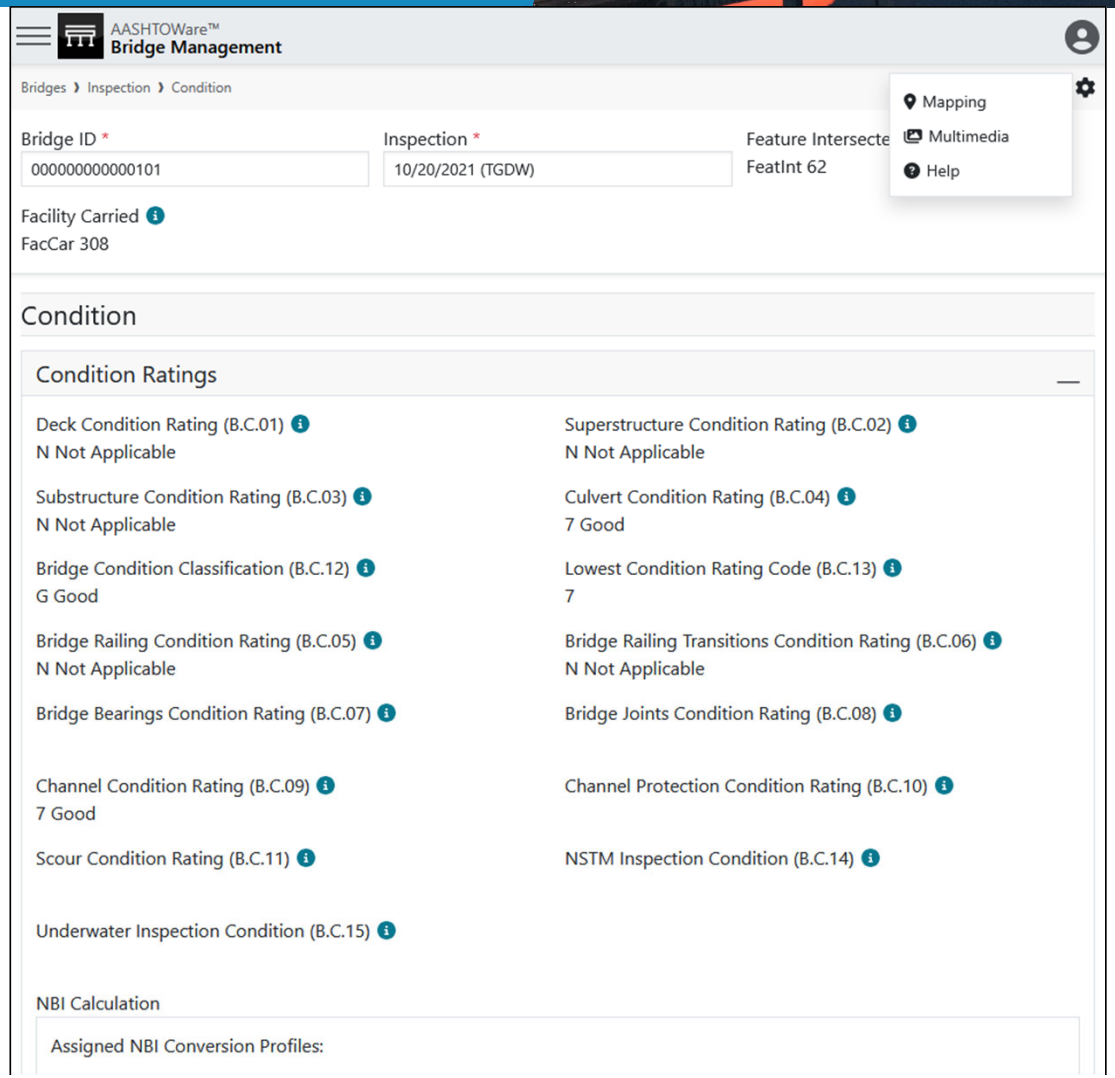
Page 9 of 20

AASHTOWare™ BRIDGE MANAGEMENT

Multimedia & Sketches

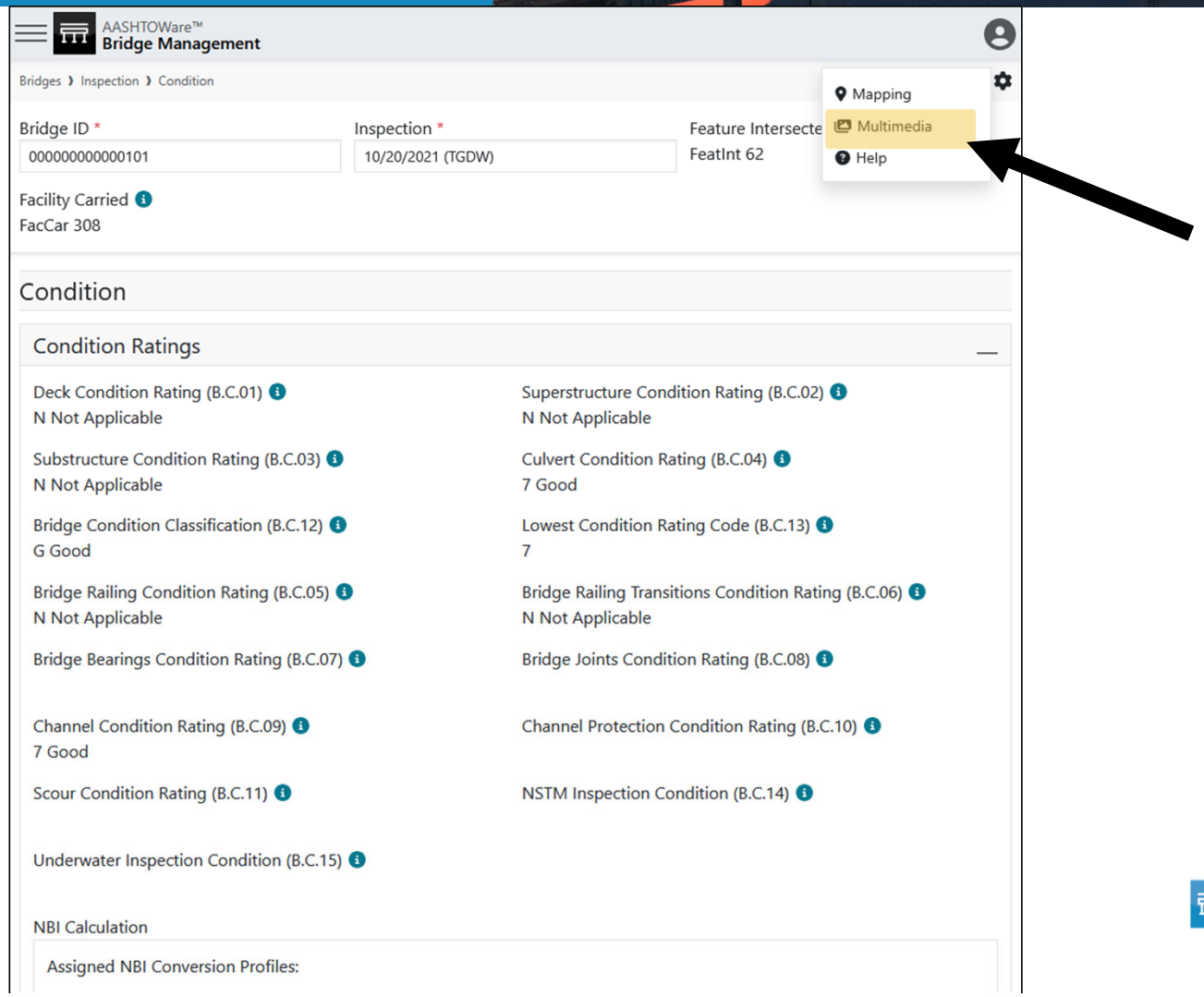
Photo by Evan Leith on Unsplash

Multimedia & Sketches



AASHTOWare™ BRIDGE MANAGEMENT

Multimedia & Sketches



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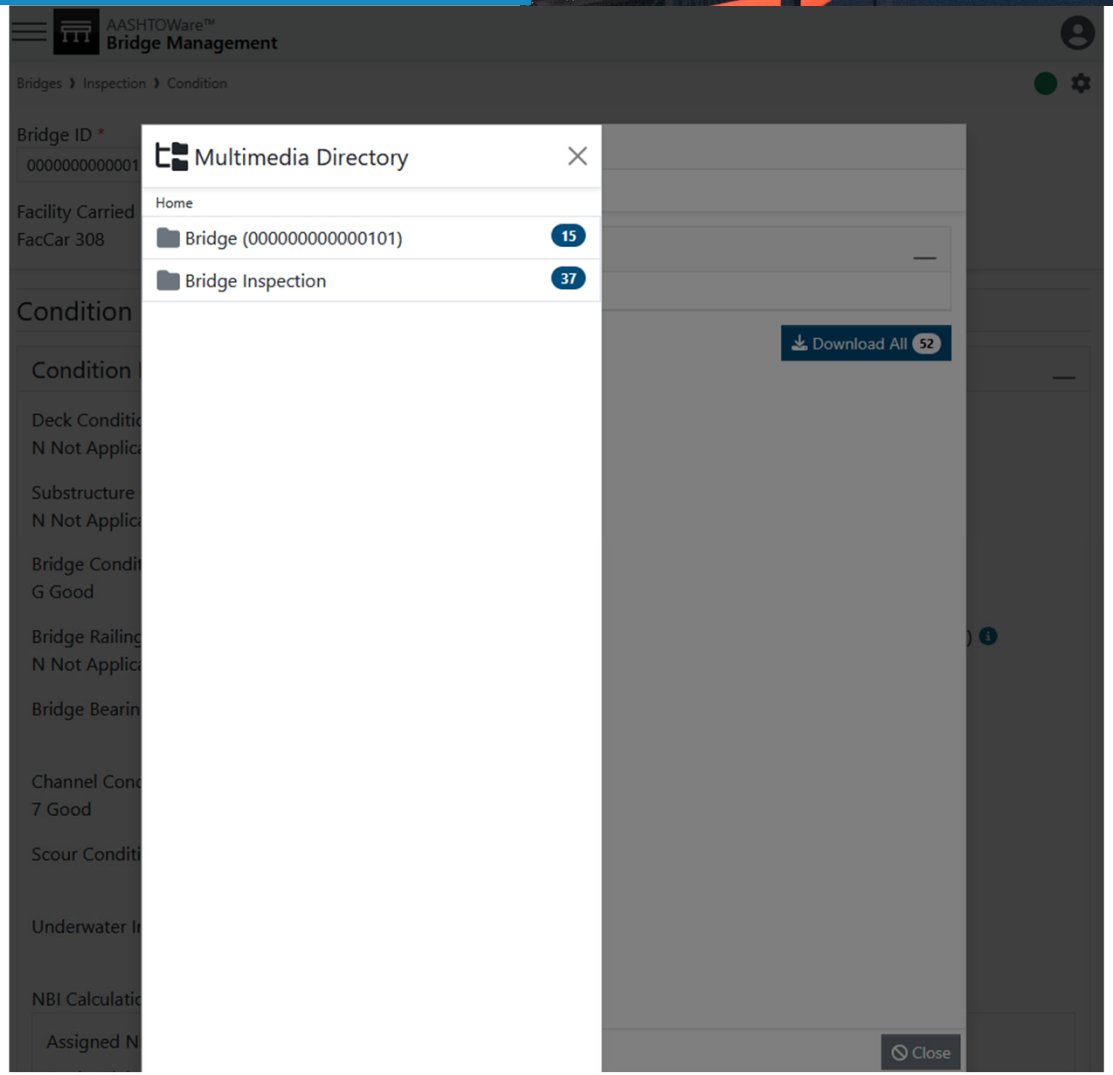

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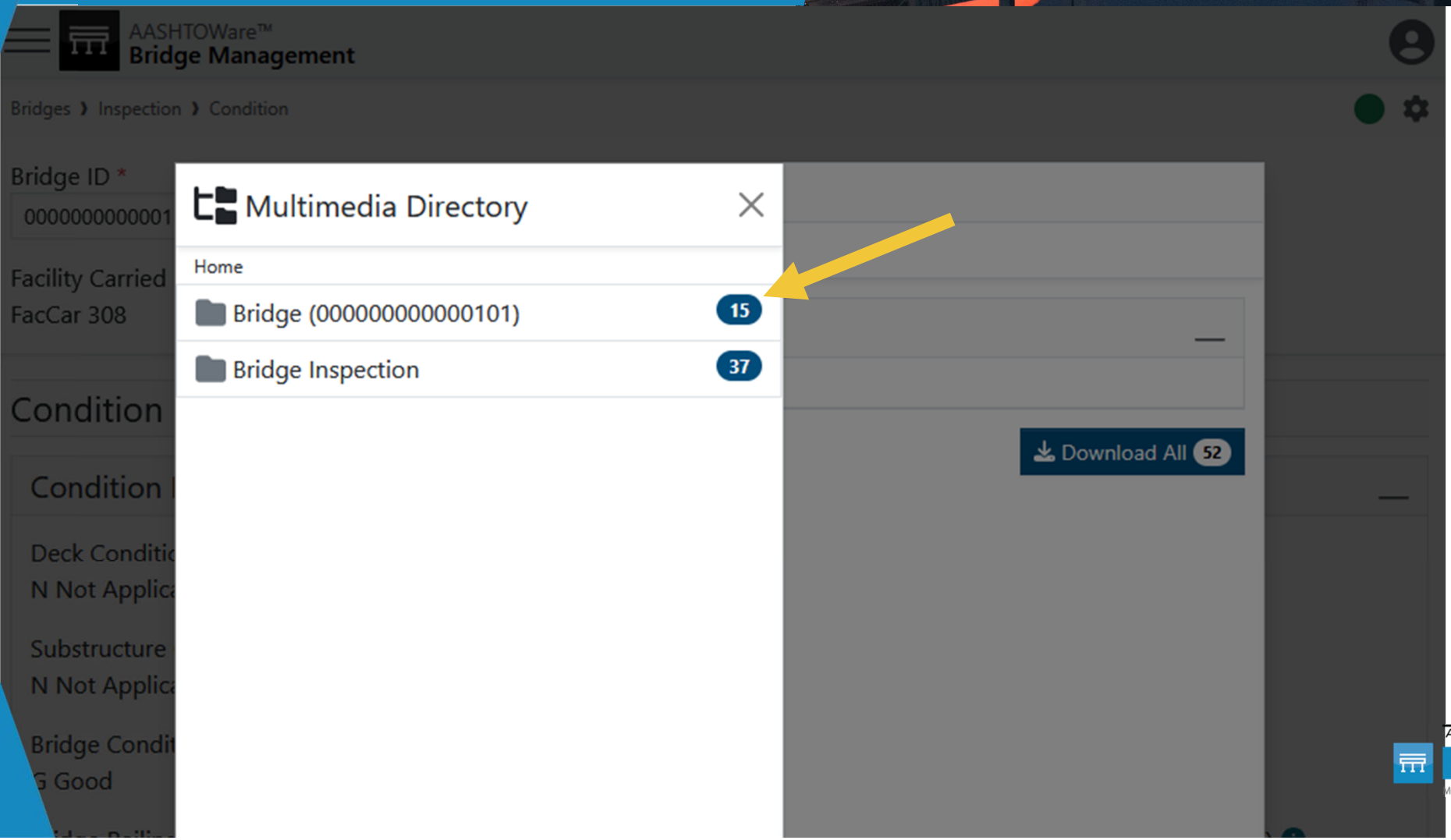
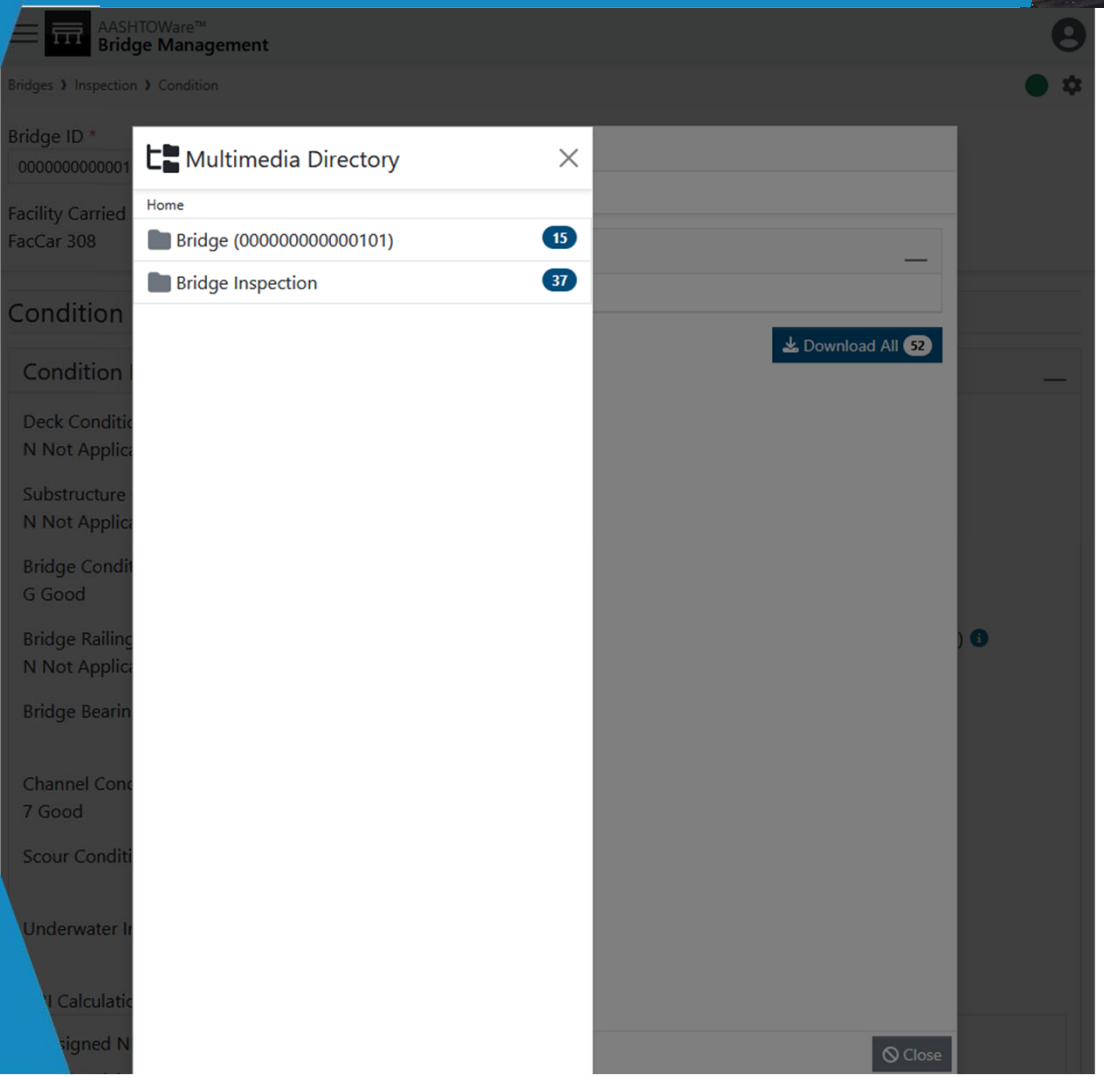


Multimedia & Sketches



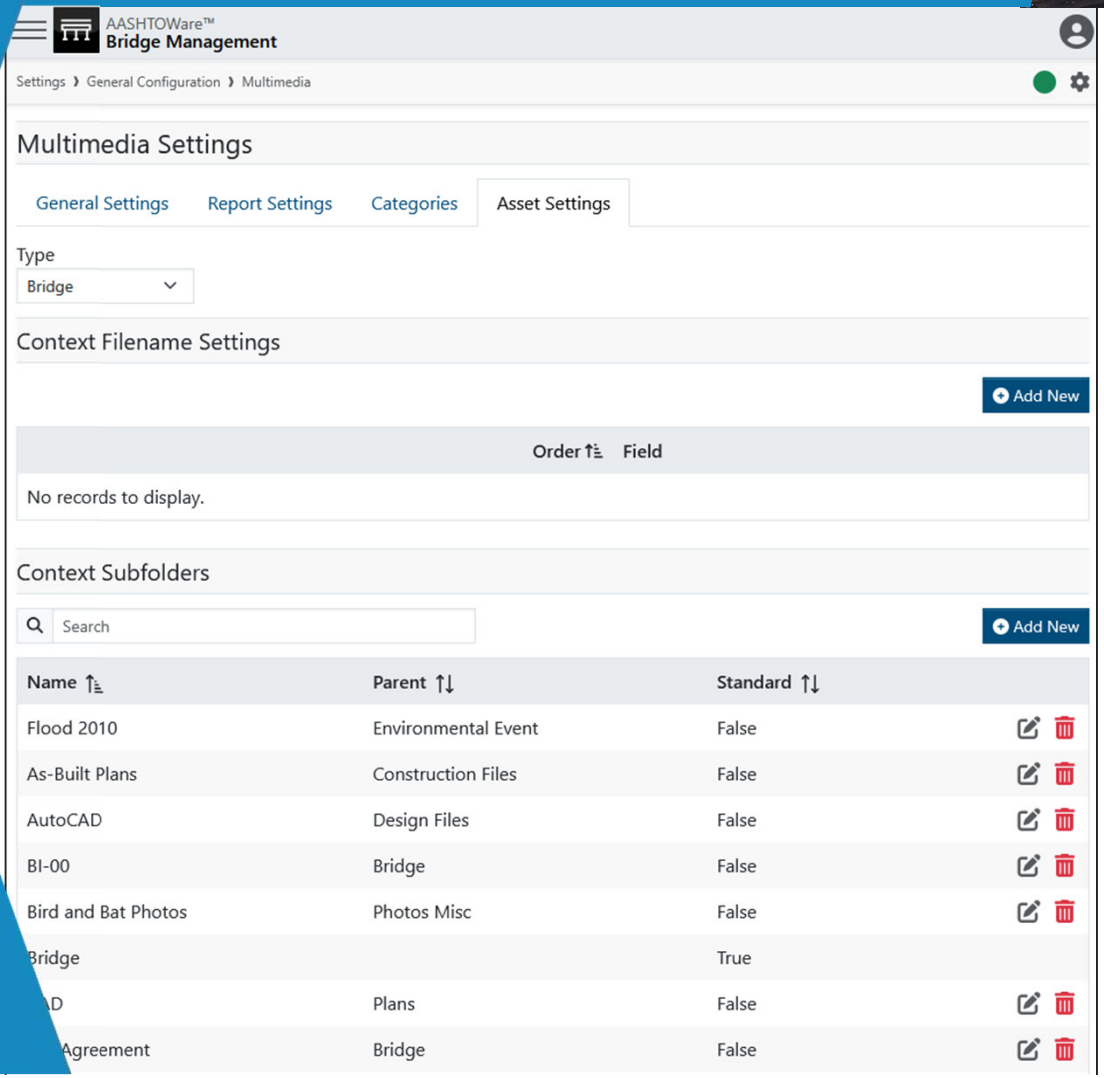
Use case examples for folders:

- Bridge
  - Plans
  - Load Rating Docs
  - Scour Plans
  - Contract Docs

- Bridge Inspection
  - Final Report
  - Sketches

AASHTOWare™ BRIDGE MANAGEMENT

Multimedia & Sketches



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  - Sketches

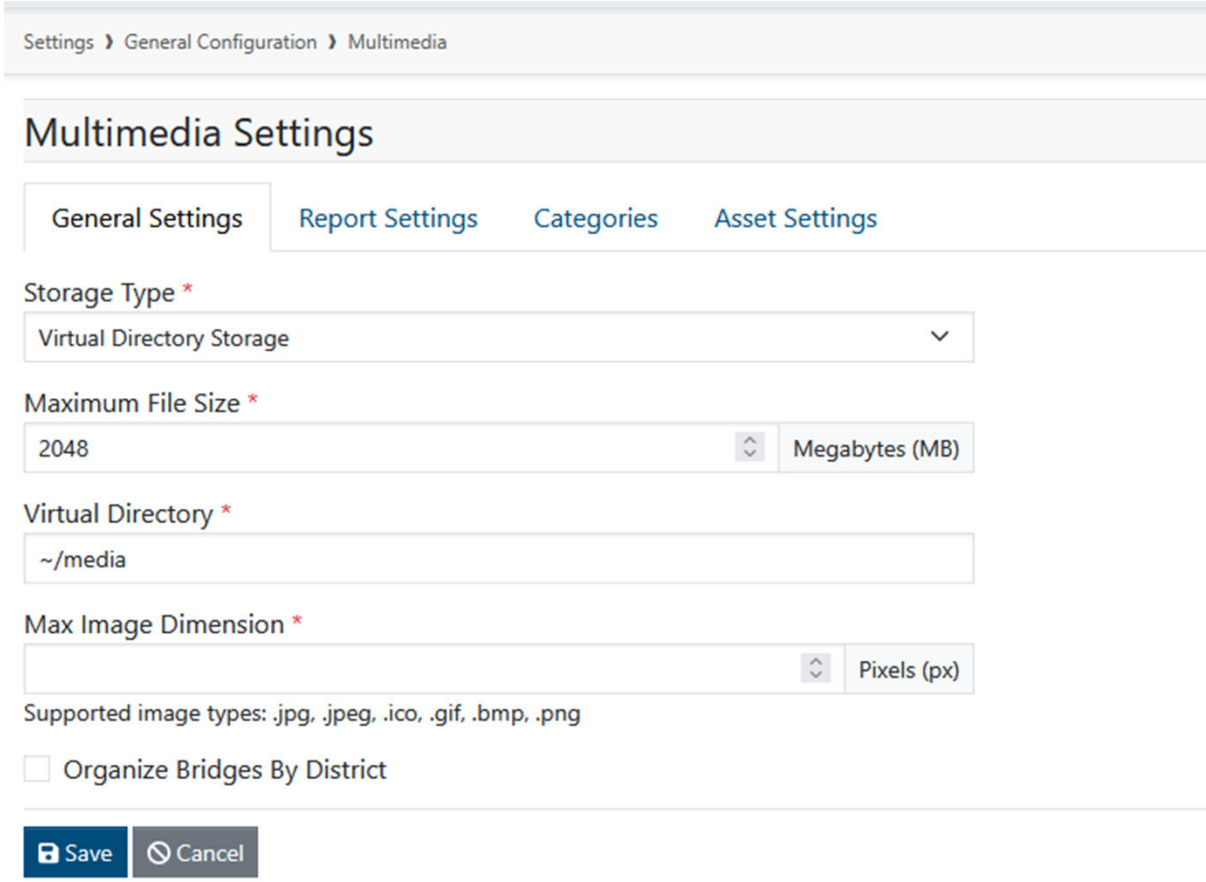
AASHTOWare™ BRIDGE MANAGEMENT

Multimedia & Sketches

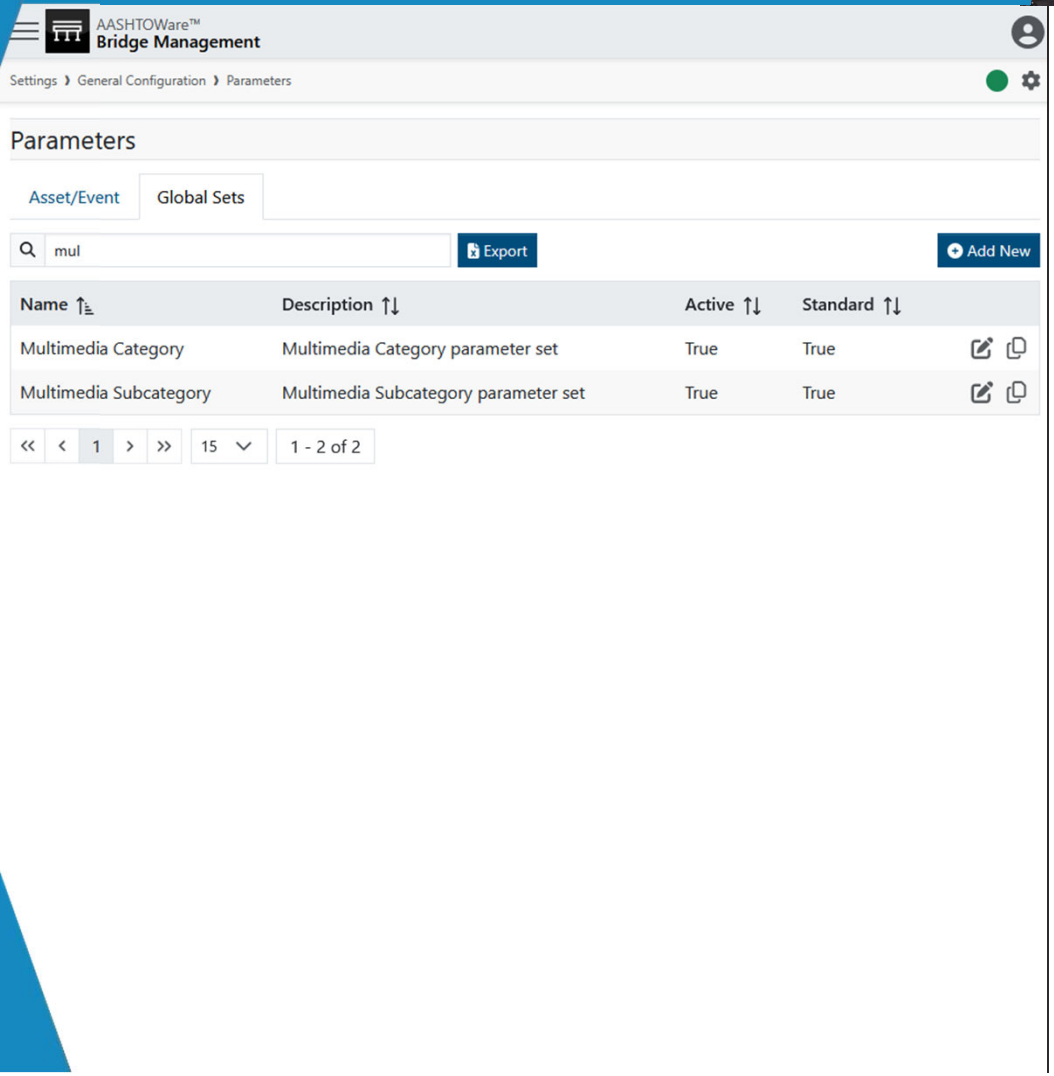
Remember you can downscale

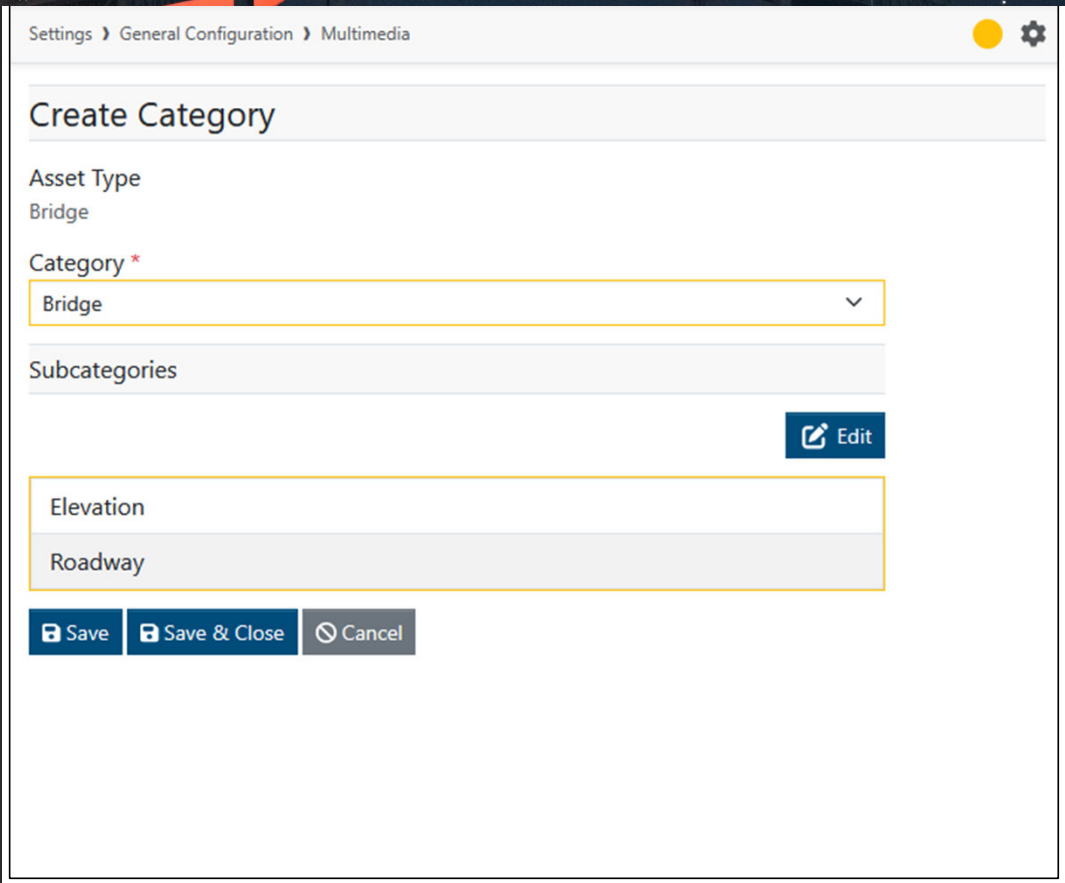
Phones have amazing levels of pixels. Maybe you don't need a 1.5 GB pdf of an inspection report. You can set a max dimension to downscale images.

You can also block uploads of files above a certain size. No more 2hr drone videos jamming up your multimedia.



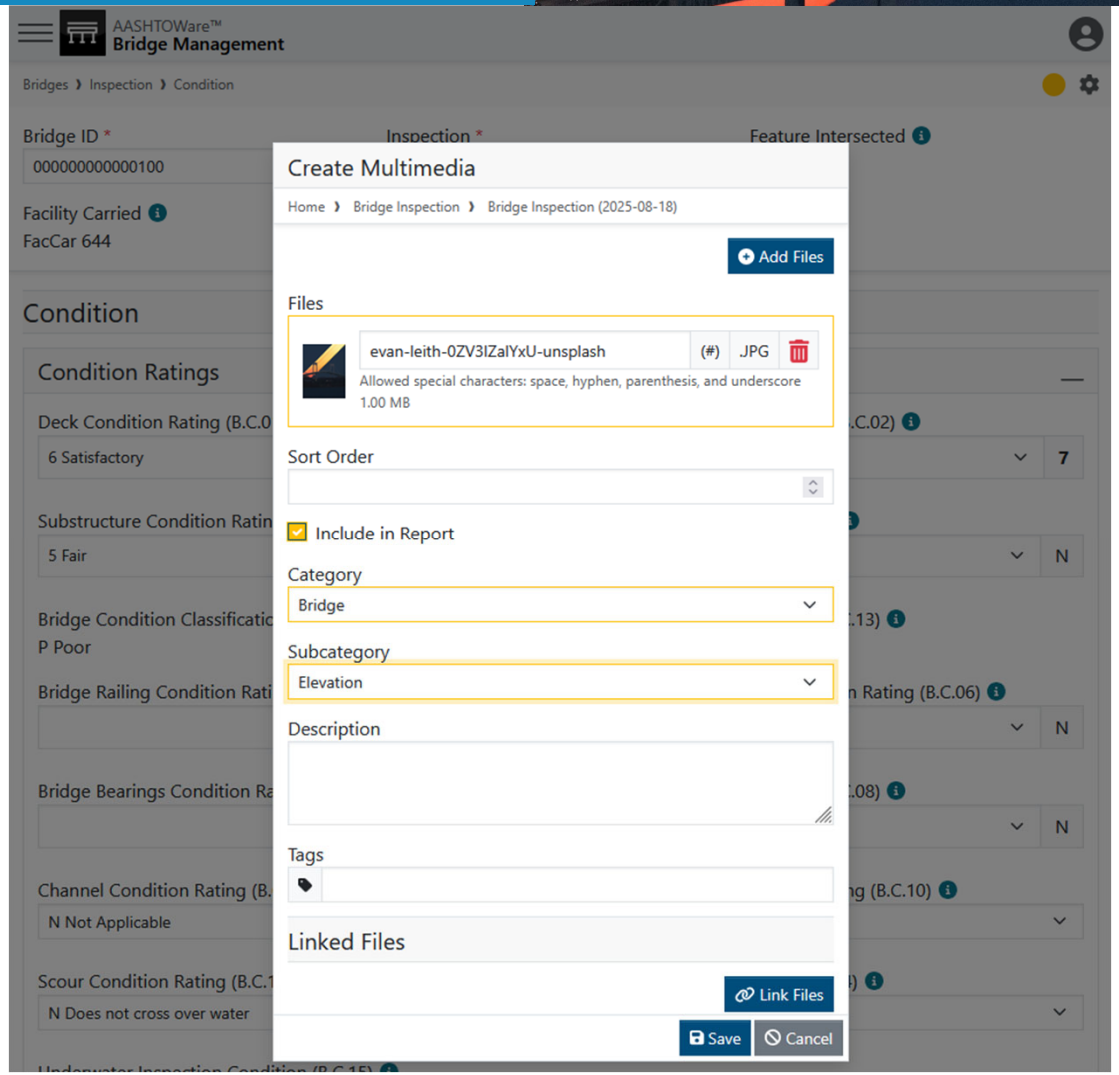
Multimedia & Sketches





AASHTOWare™ BRIDGE MANAGEMENT

Multimedia & Sketches



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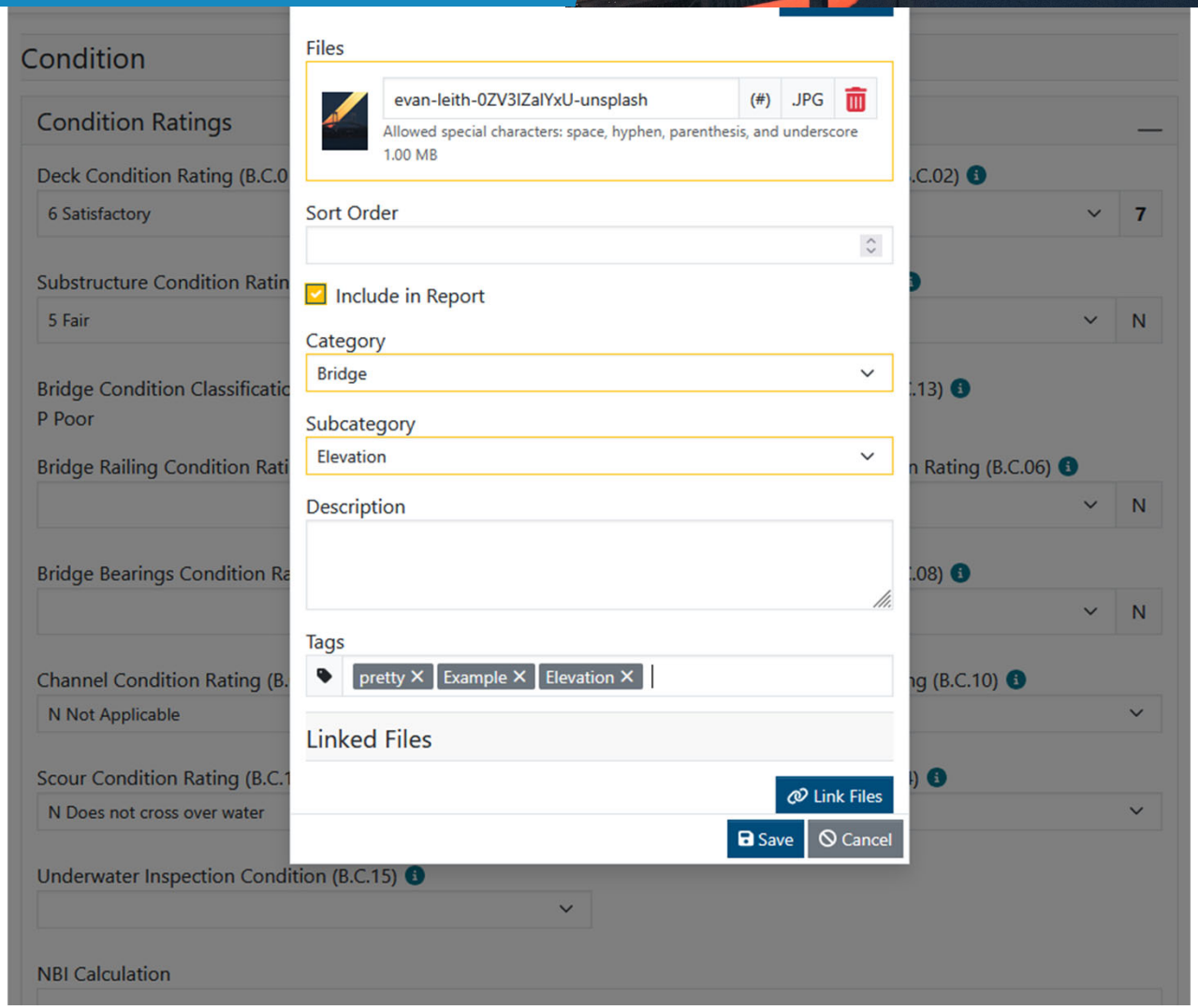

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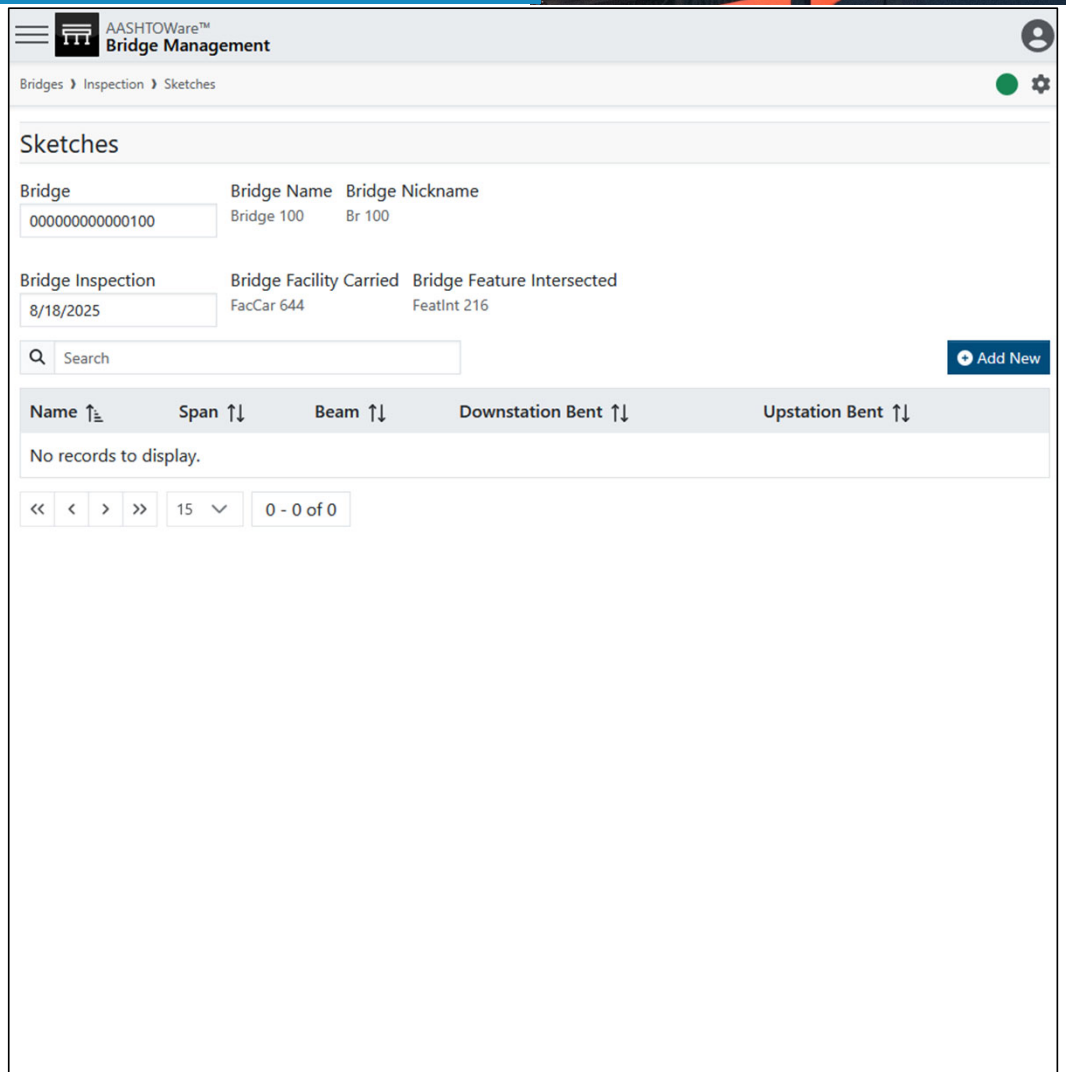

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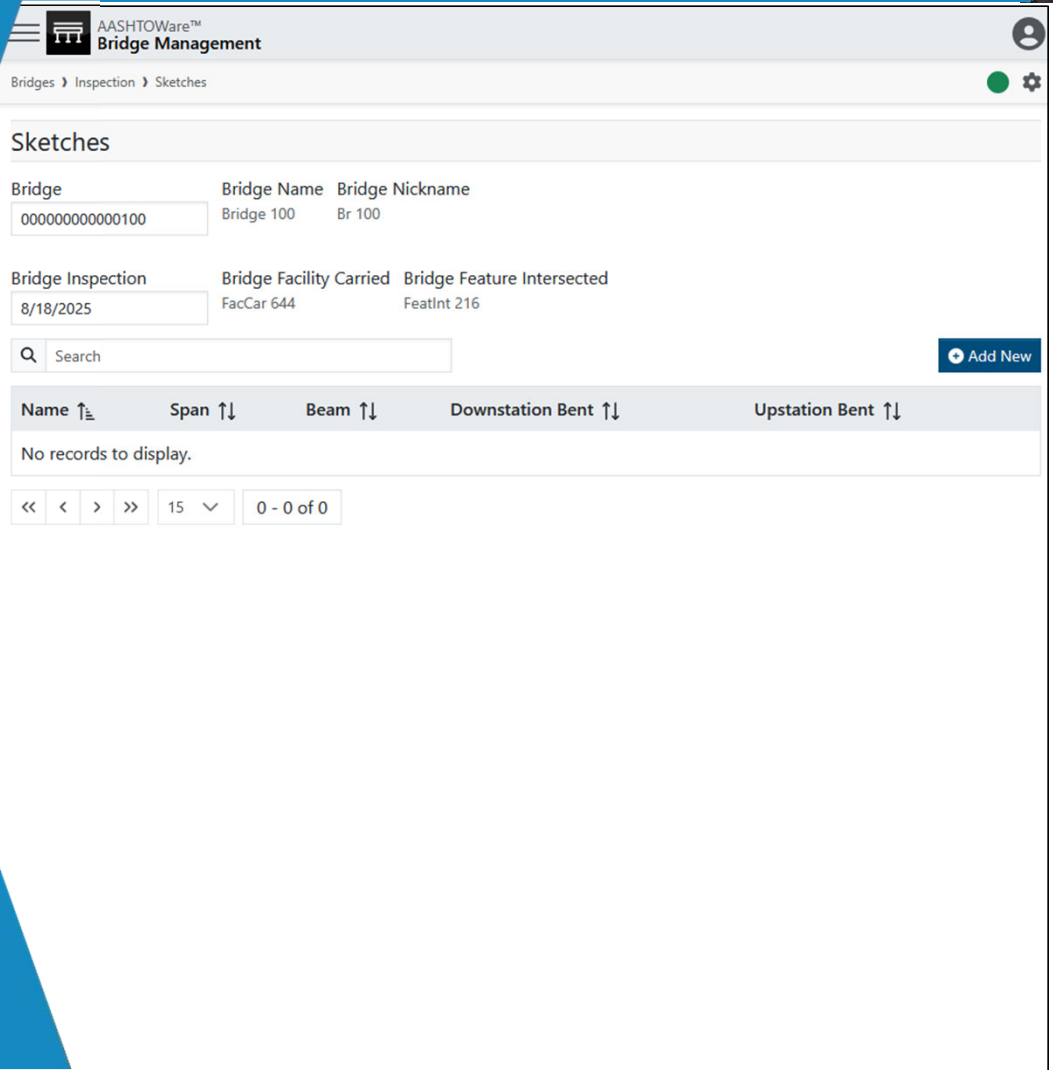

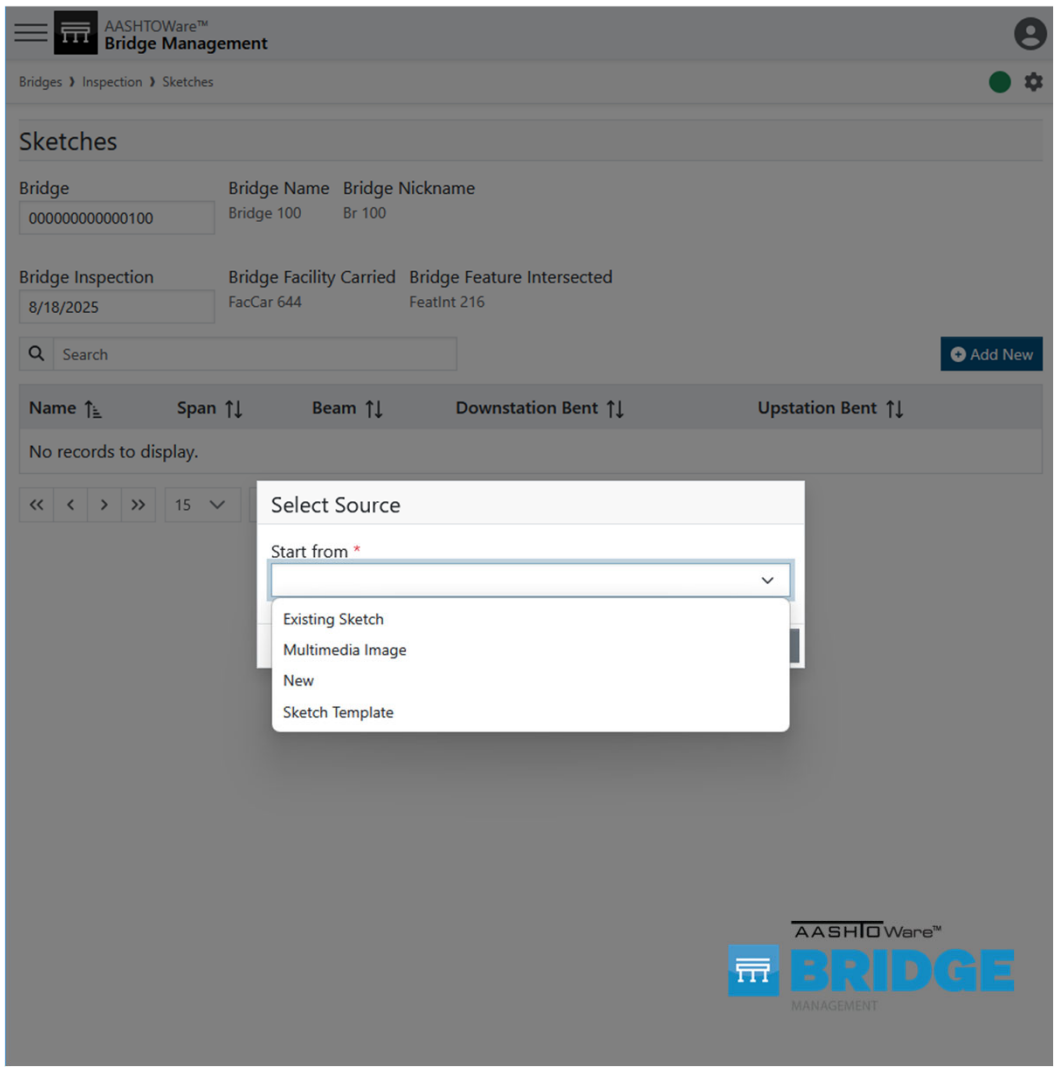

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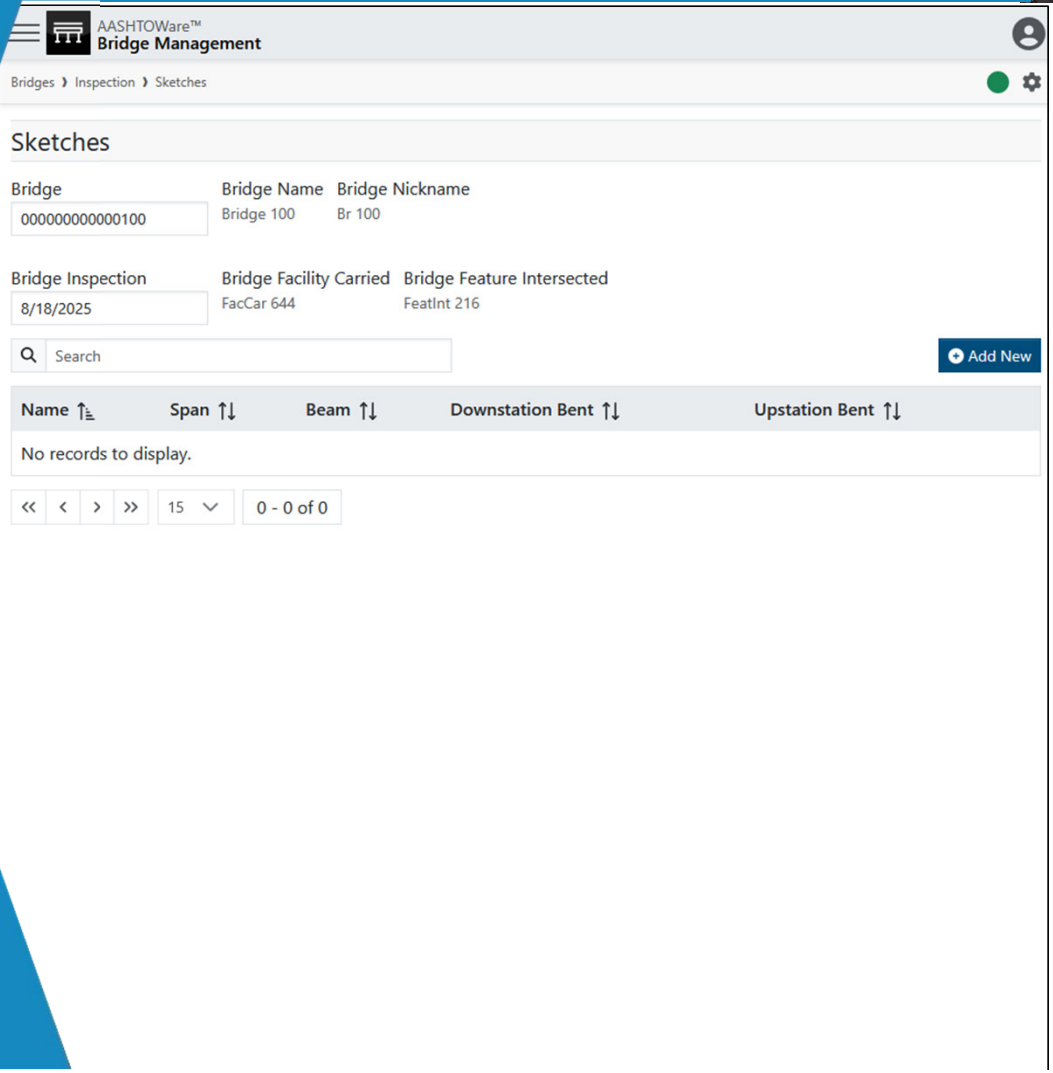

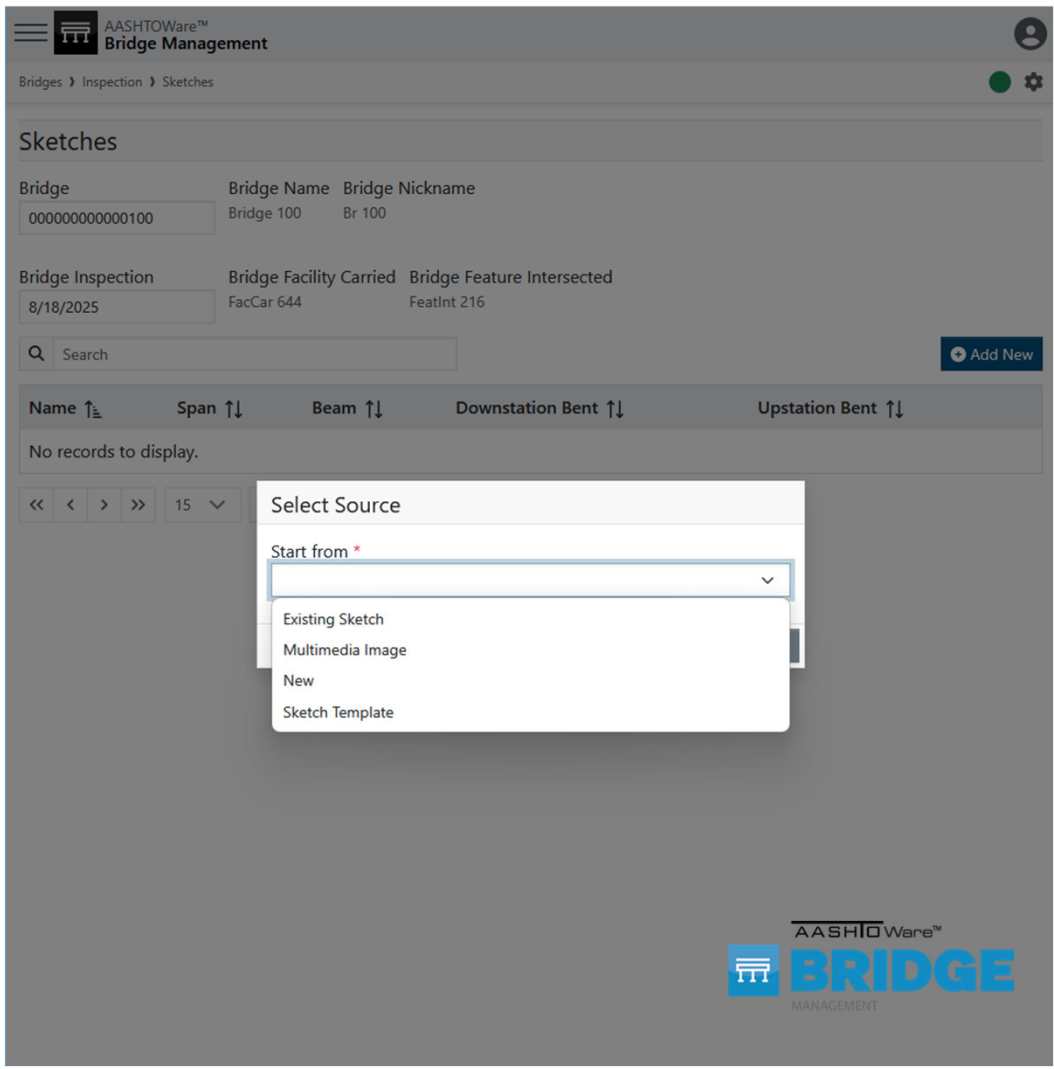

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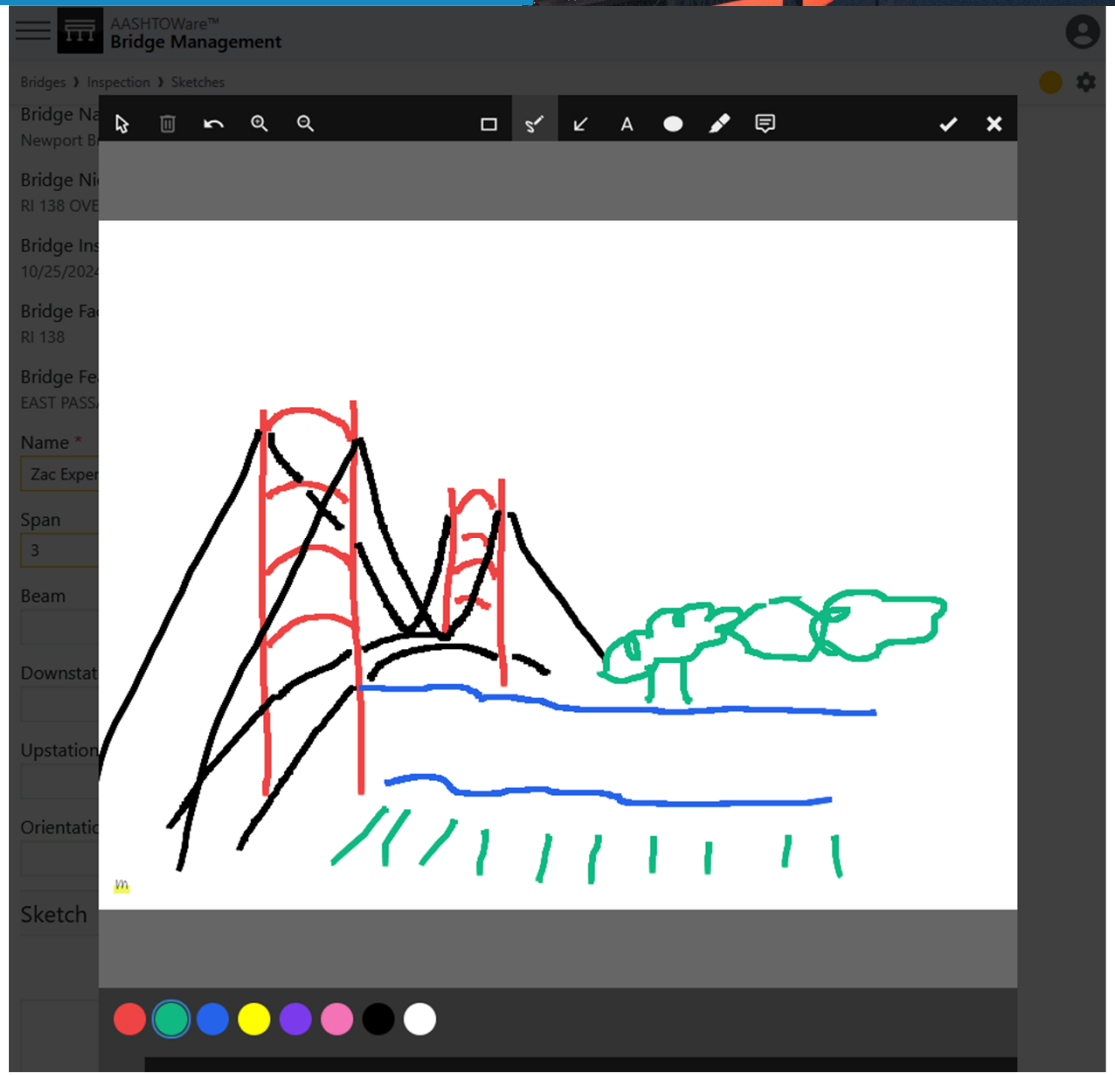


Multimedia & Sketches

BOYLE, ZAC

Admin > General Config > Sketch Templates

SCDOT

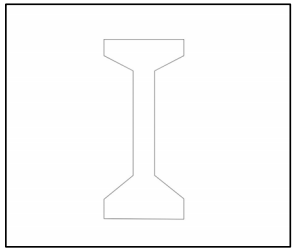
- MY DASHBOARD
- BRIDGES
- INSPECTION
- REPORTS
- GATEWAY
- ADMIN
  - SECURITY
  - GENERAL CONFIG
    - PARAMETERS
    - OPTIONS
    - EXPORT OPTIONS
    - DATA DICT.
    - CHECKED OUT BRIDGES
    - LOGGING
    - NAVIGATION SECURITY
    - VISUAL FORM EDITOR
    - PAGE EXPORT
    - EQUATION EDITOR
    - SET EDITOR
    - VALIDATION EDITOR
    - MANAGE ASSET TYPES

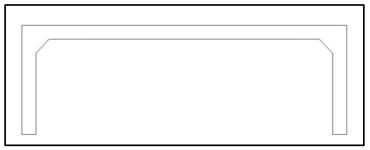
Sketch Templates

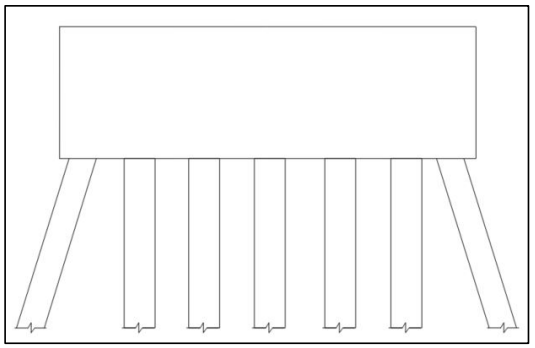
Search

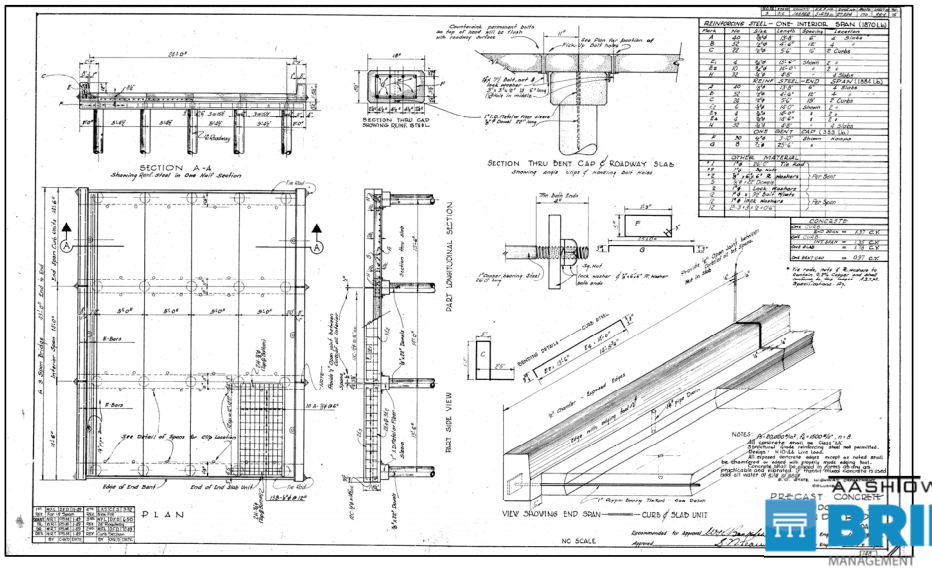
Name
AASHTO Beam Section
Concrete Rigid Frame
Cored Slab Section
Eight Pile Bent
Five Pile Bent
Four Pile Bent
Girder Elevation
Girder End
Grid
H-10 Precast Bridge Plan
H-15 Precast Bridge Plan
Panel
Pile Cap with Beams
Seven Pile Bent
Six Pile Bent

« 1 2 »









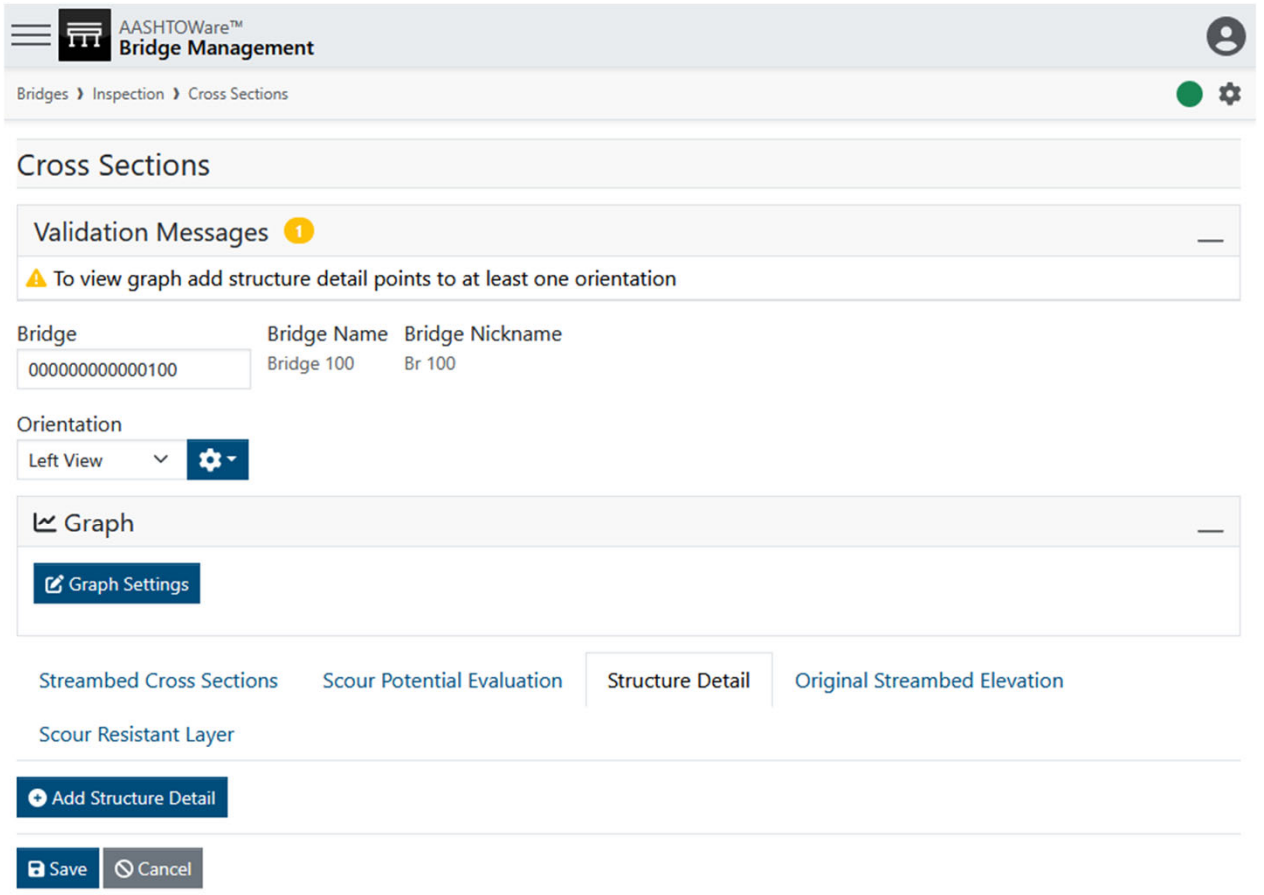
AASHTOWare BRIDGE MANAGEMENT

AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections

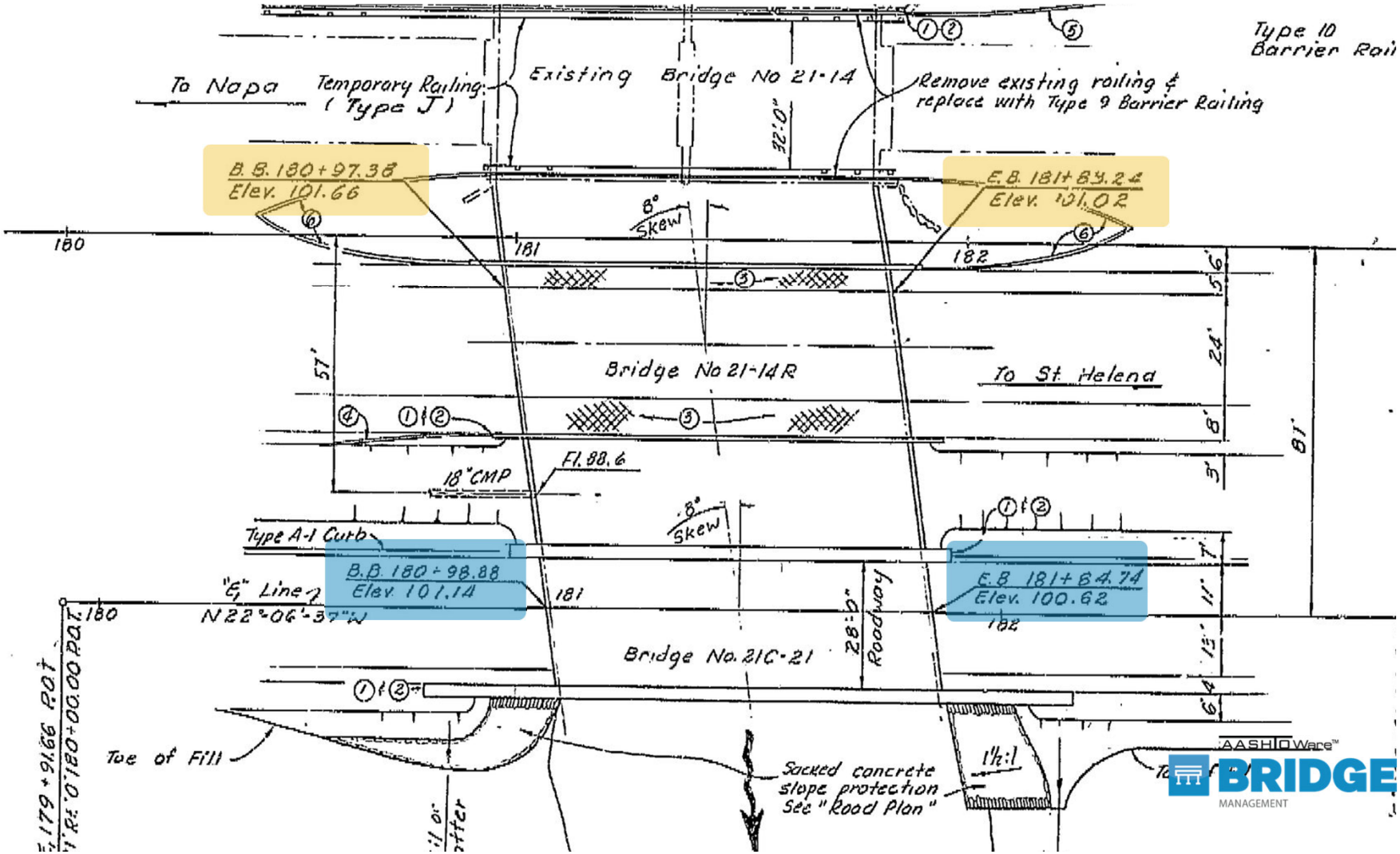
Photo by Evan Leith on Unsplash

Cross Sections



AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



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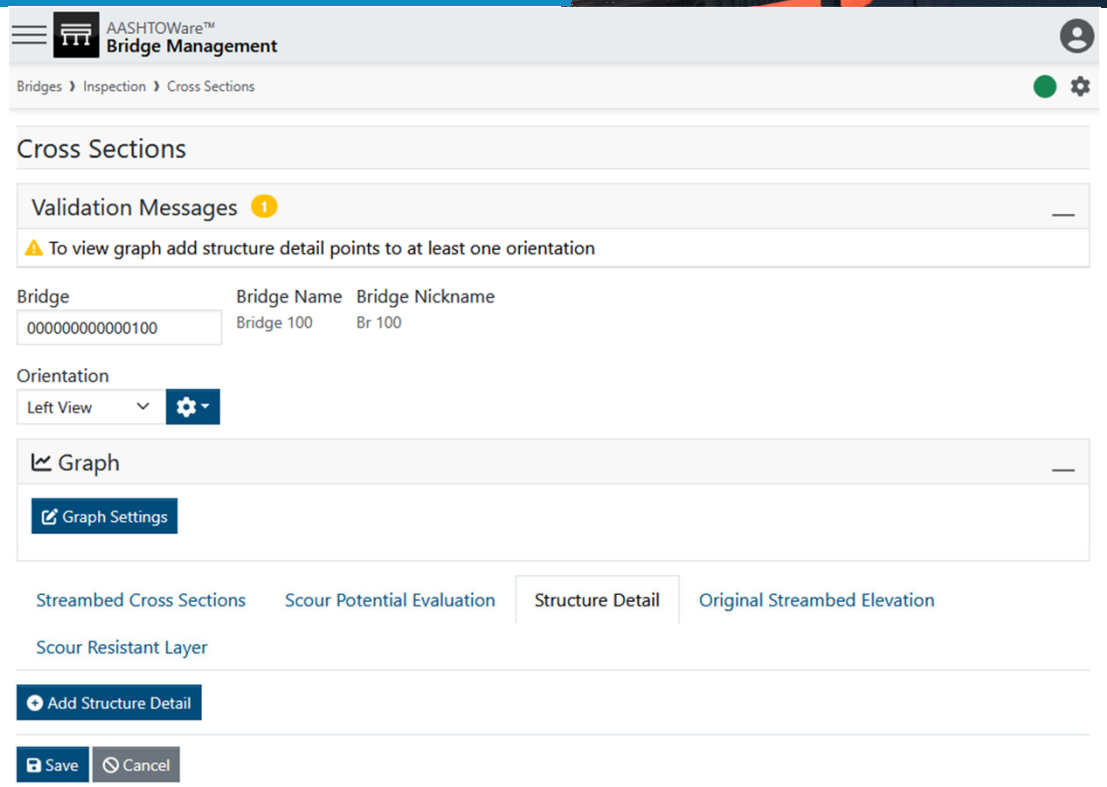
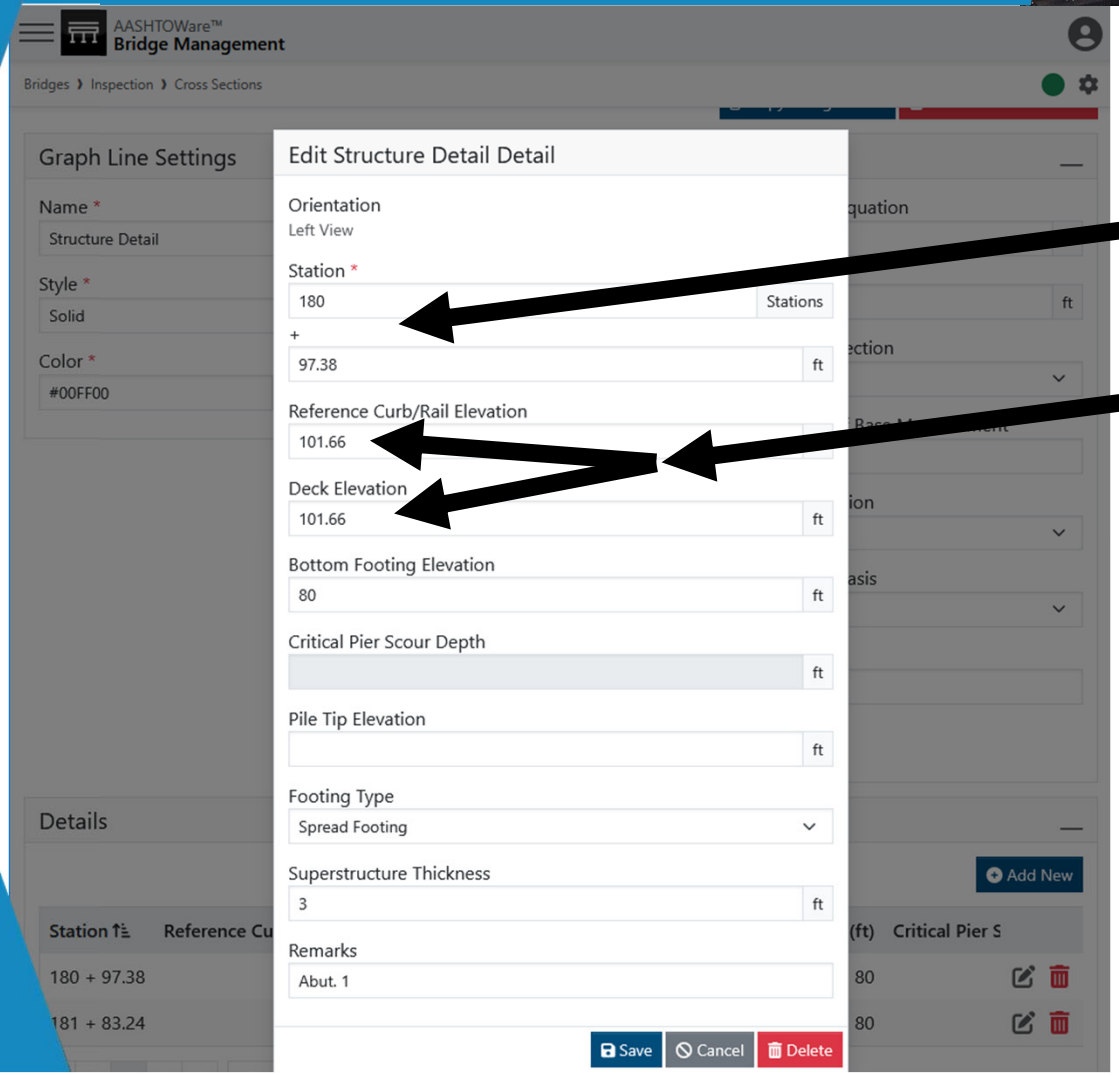
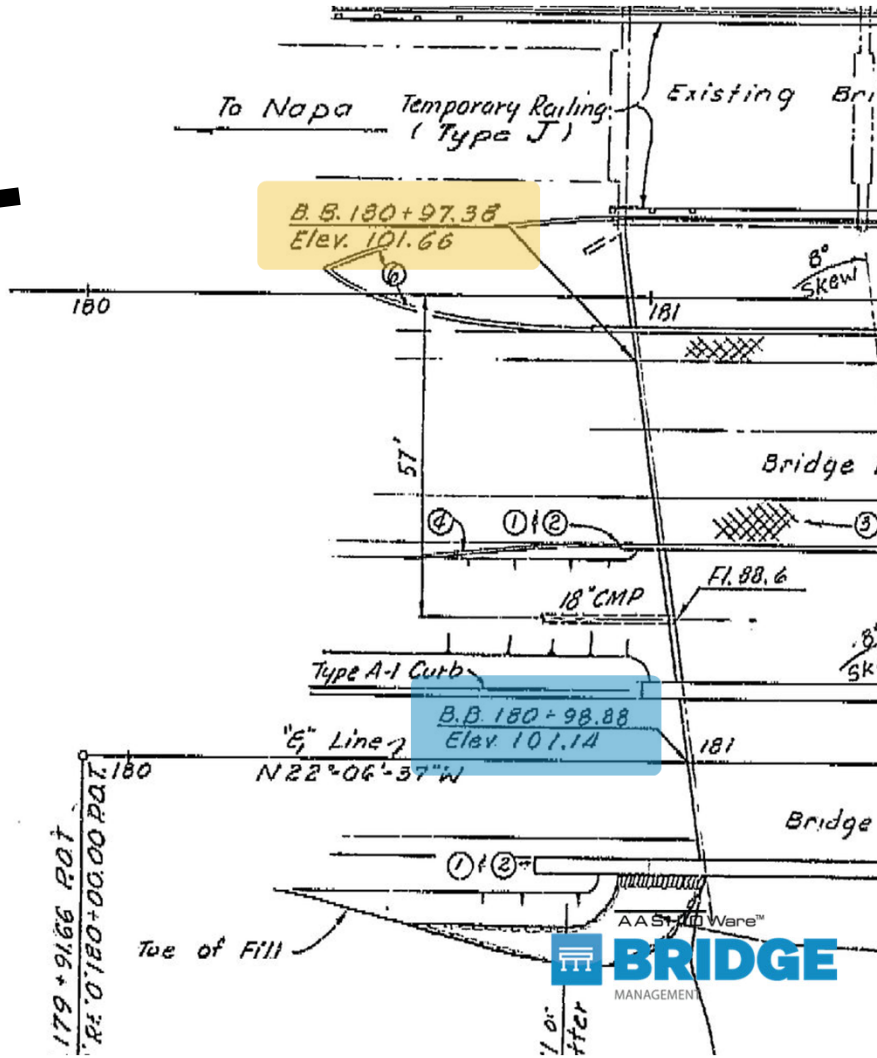


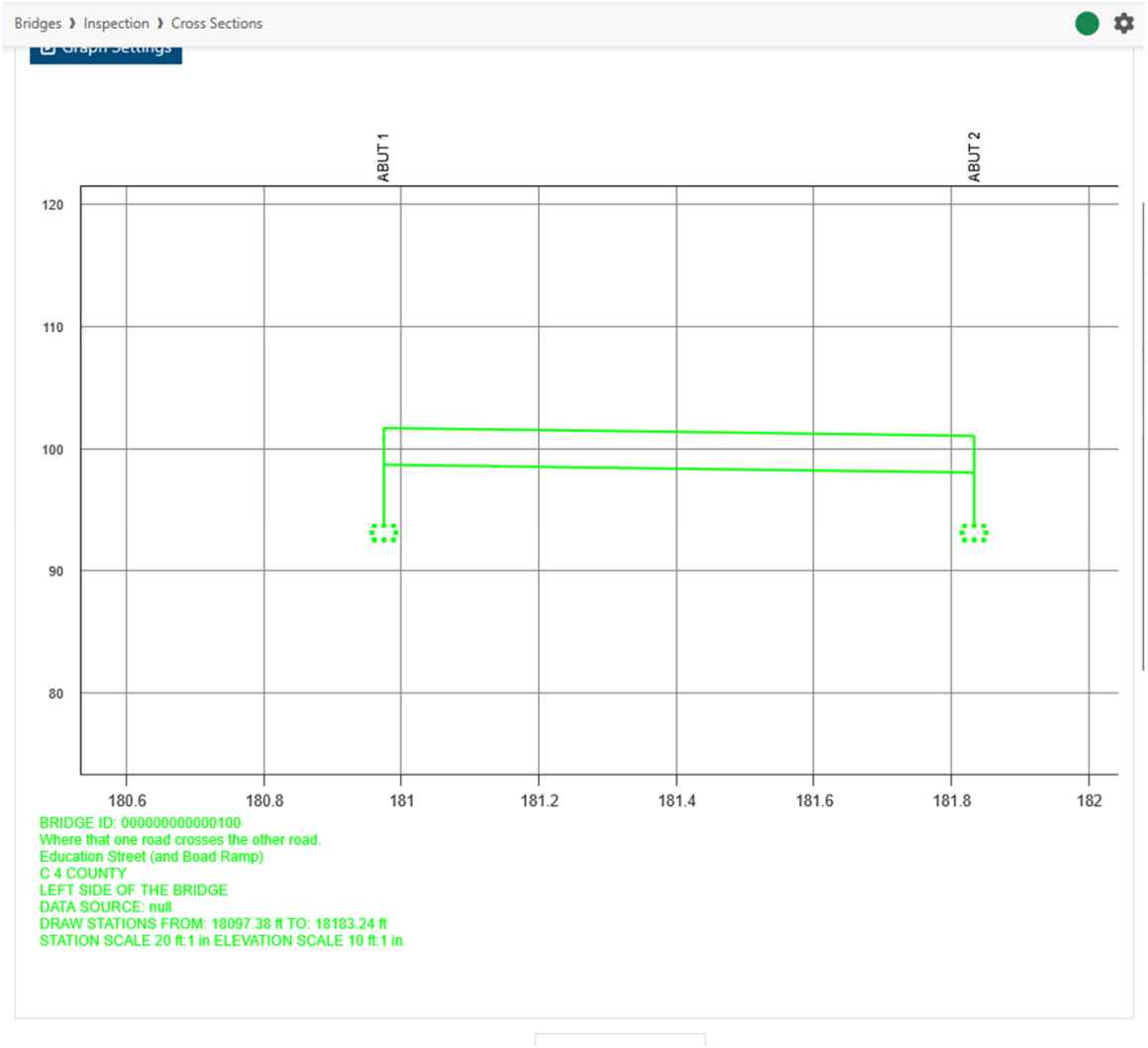
AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



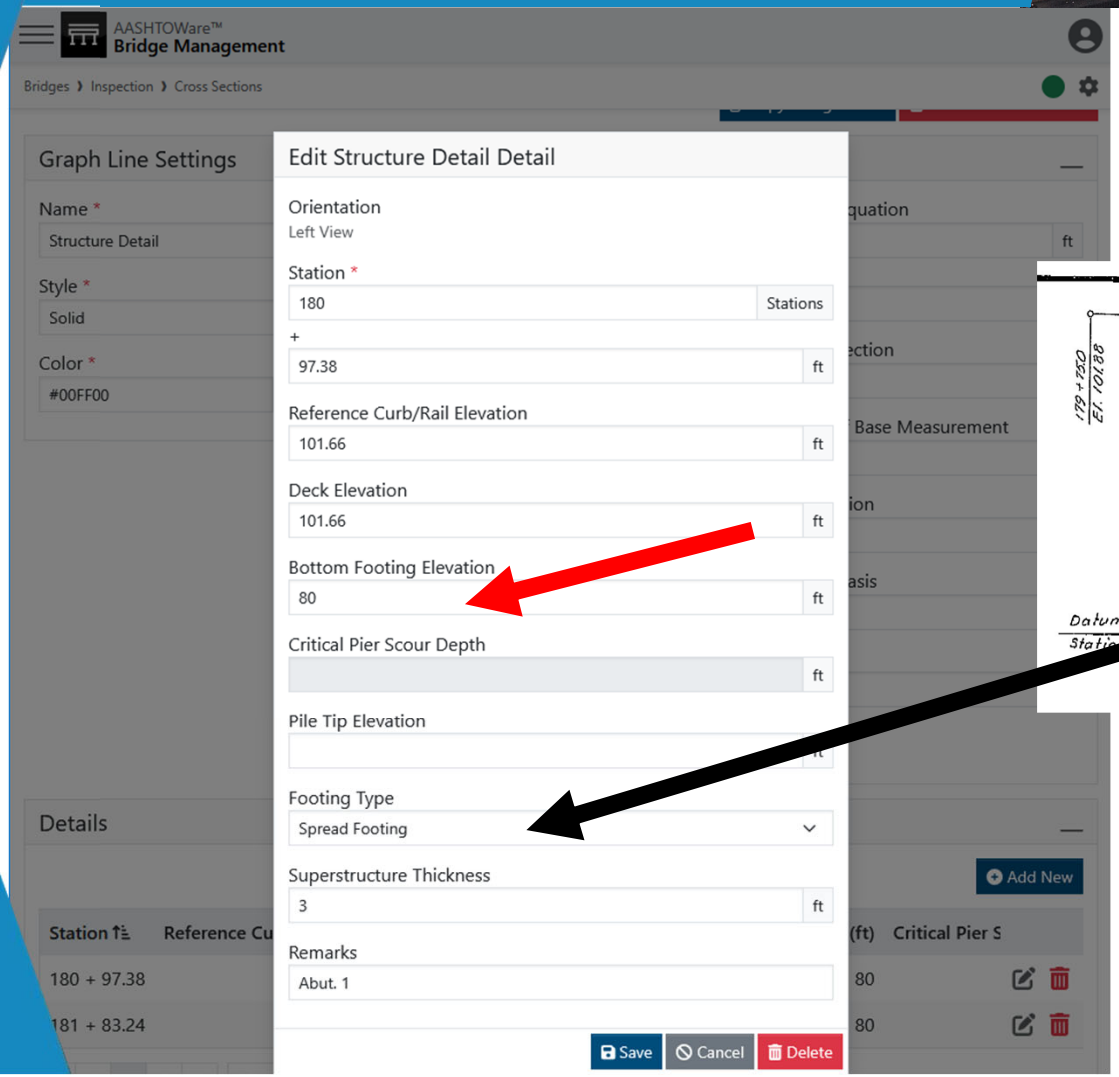


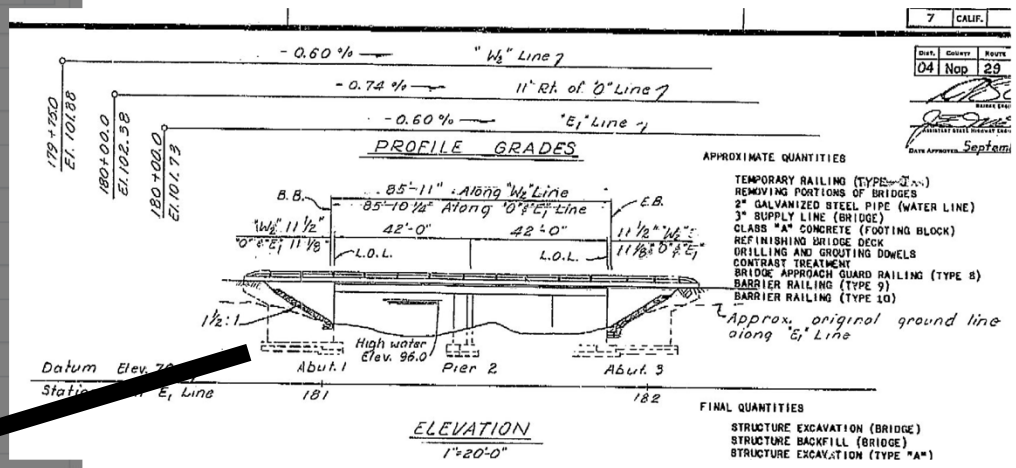
Cross Sections



AASHTOWare™ BRIDGE MANAGEMENT

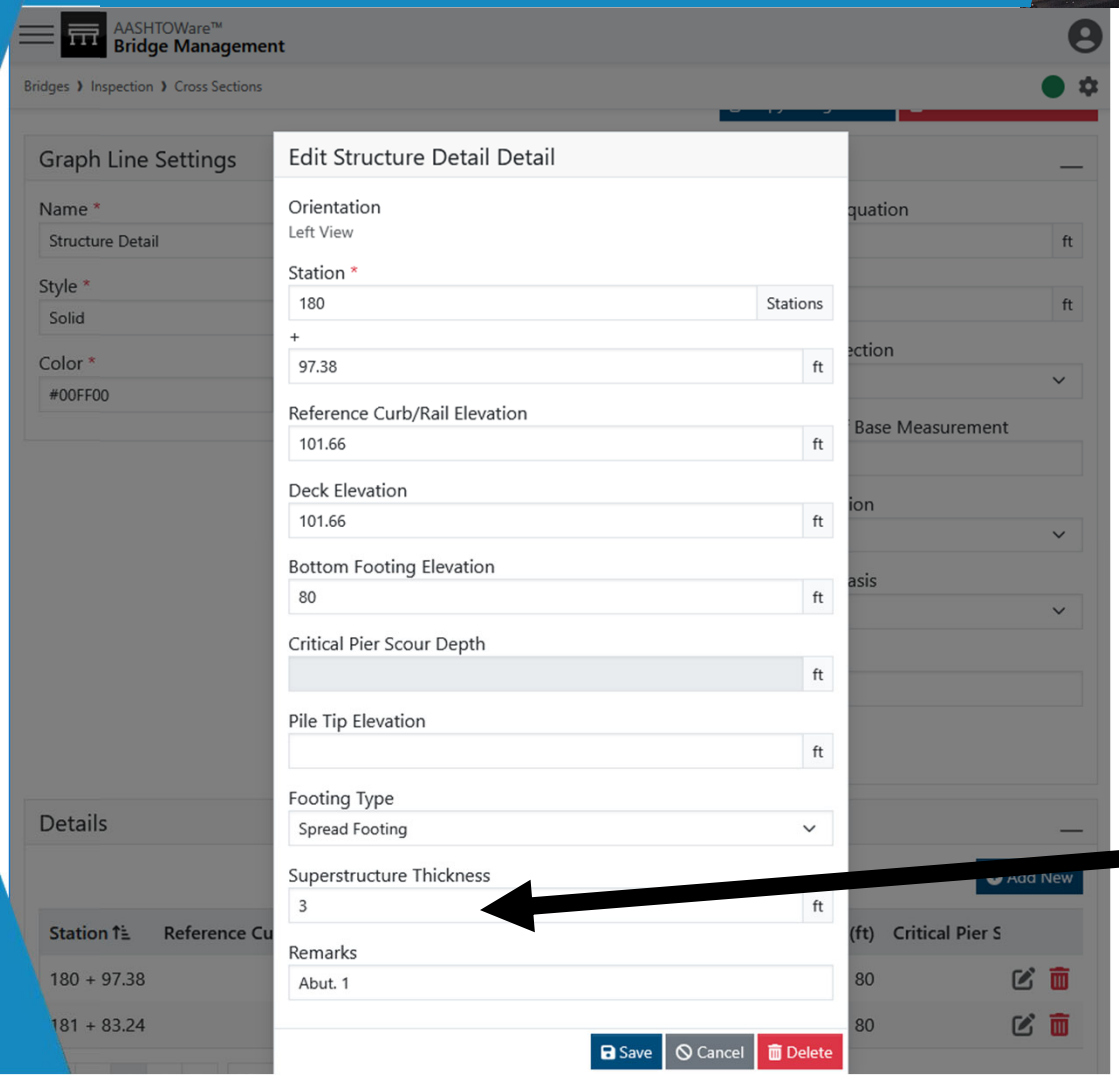
Cross Sections

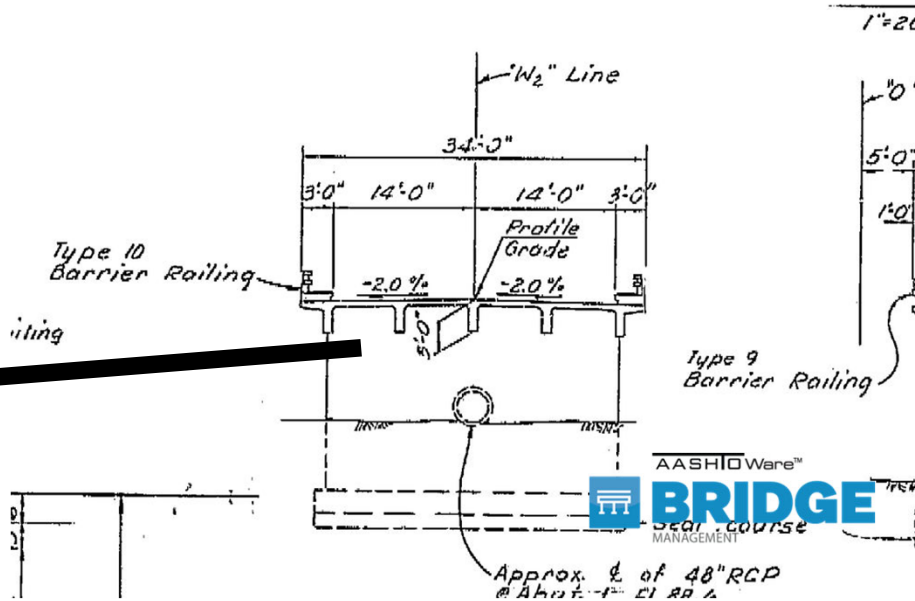




AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections





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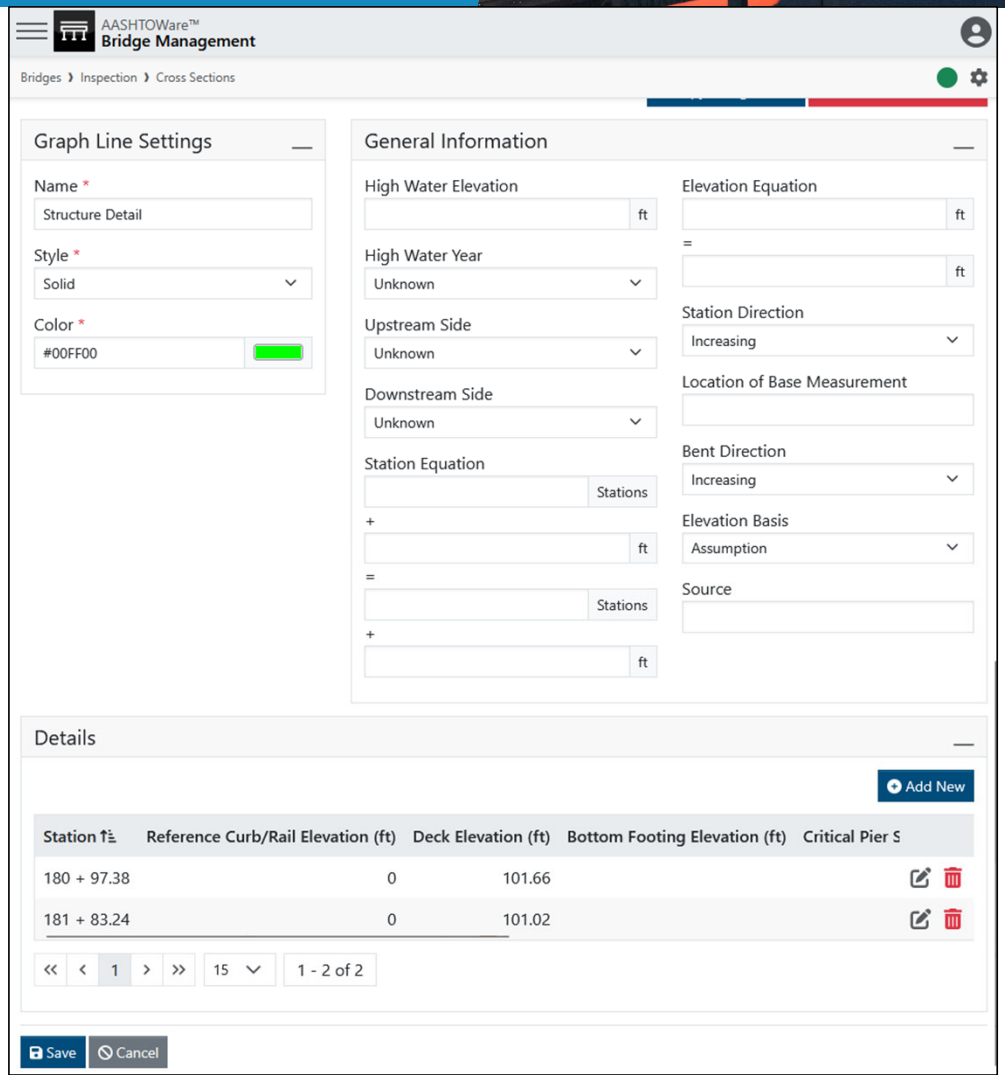

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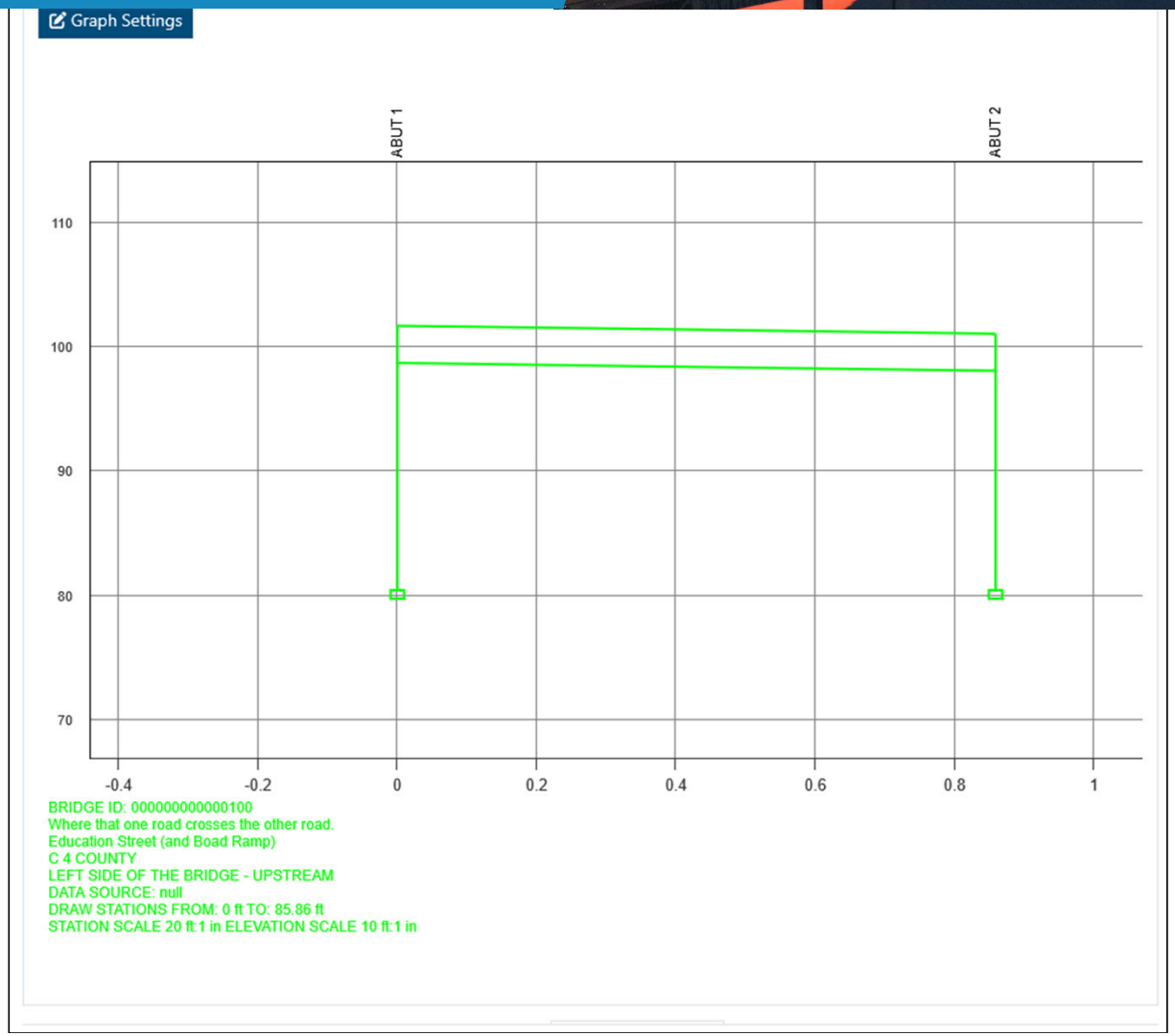
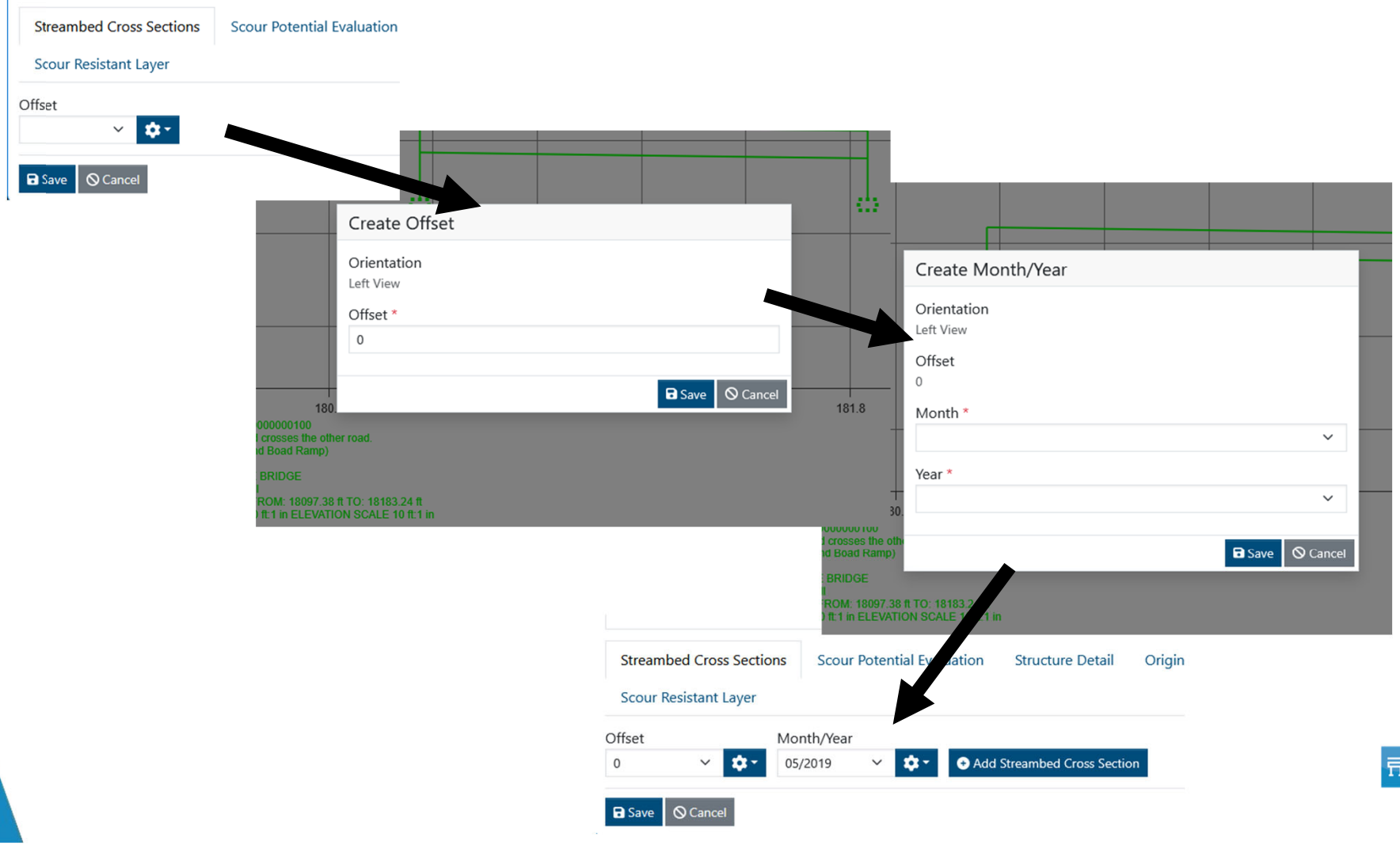


AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



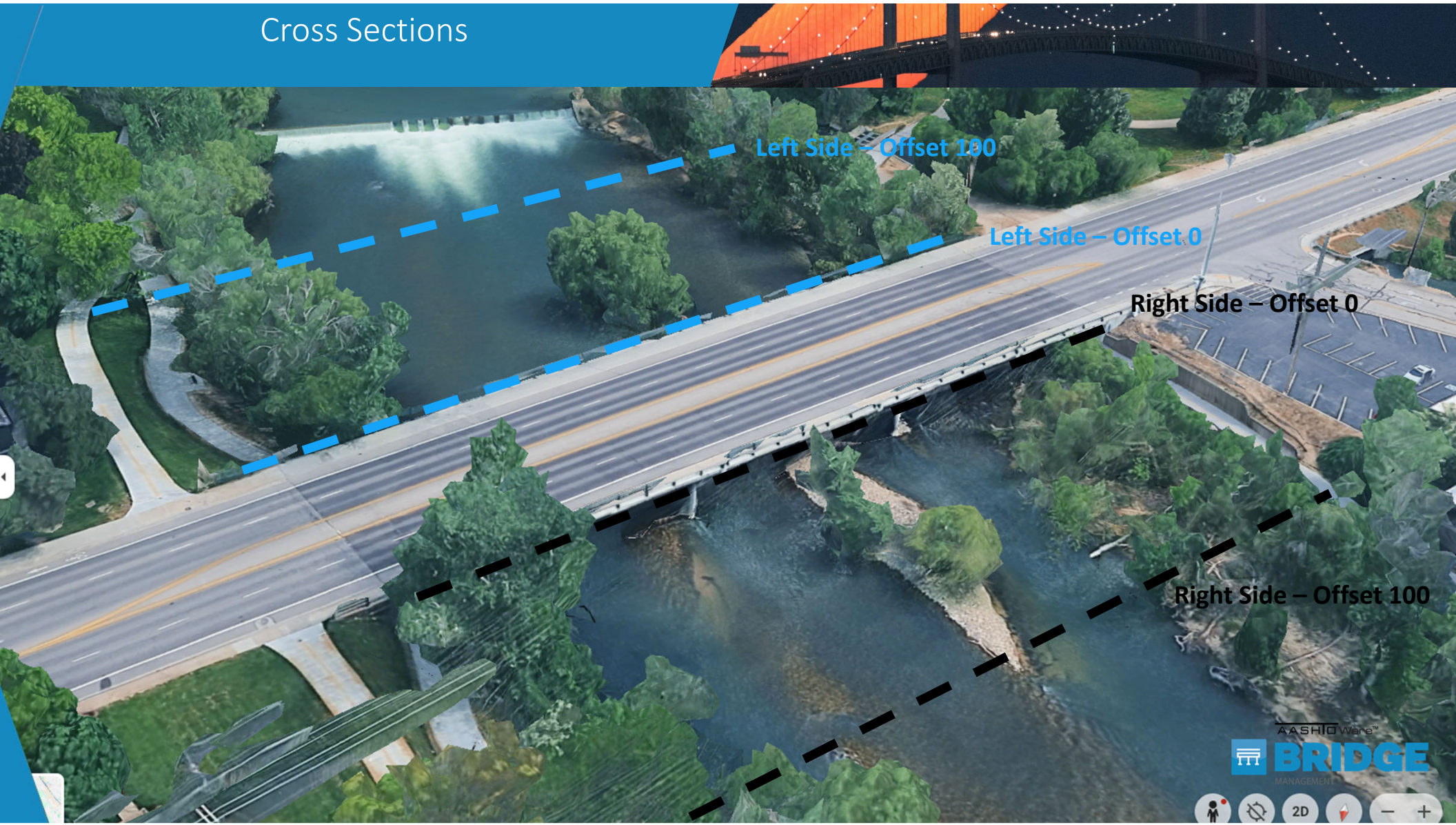
Cross Sections

Cross Sections

Cross Sections

Cross Sections

Cross Sections



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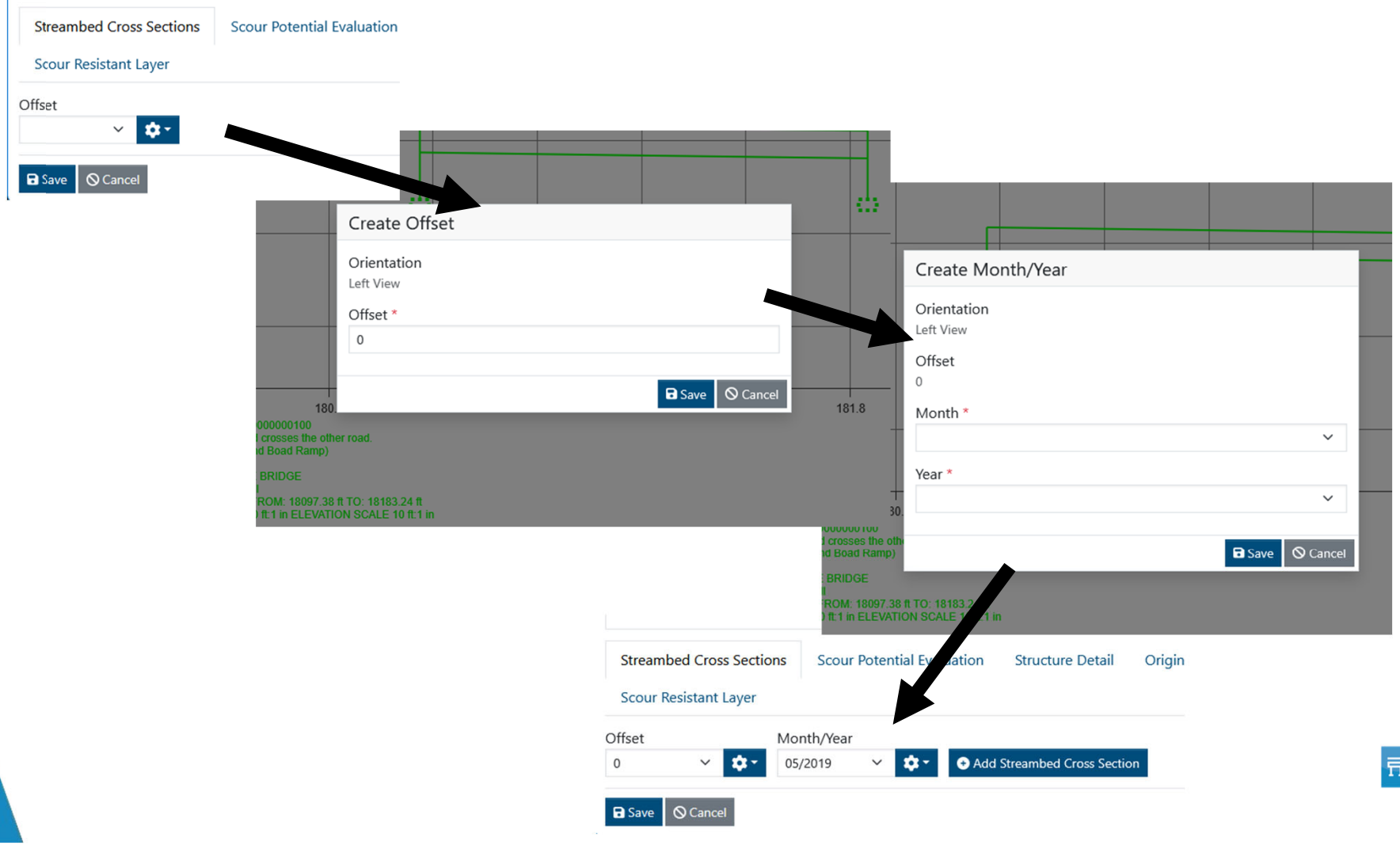

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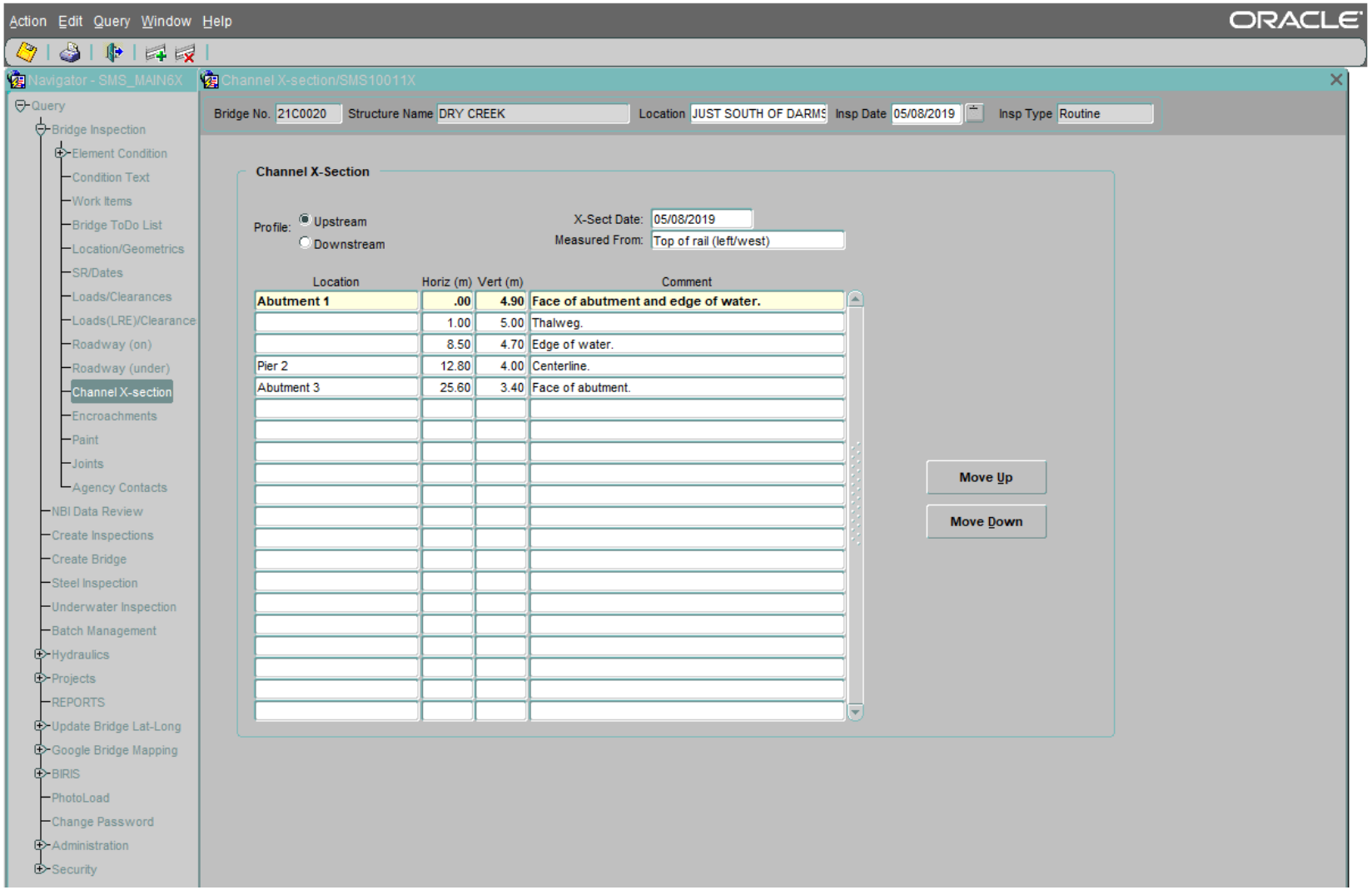

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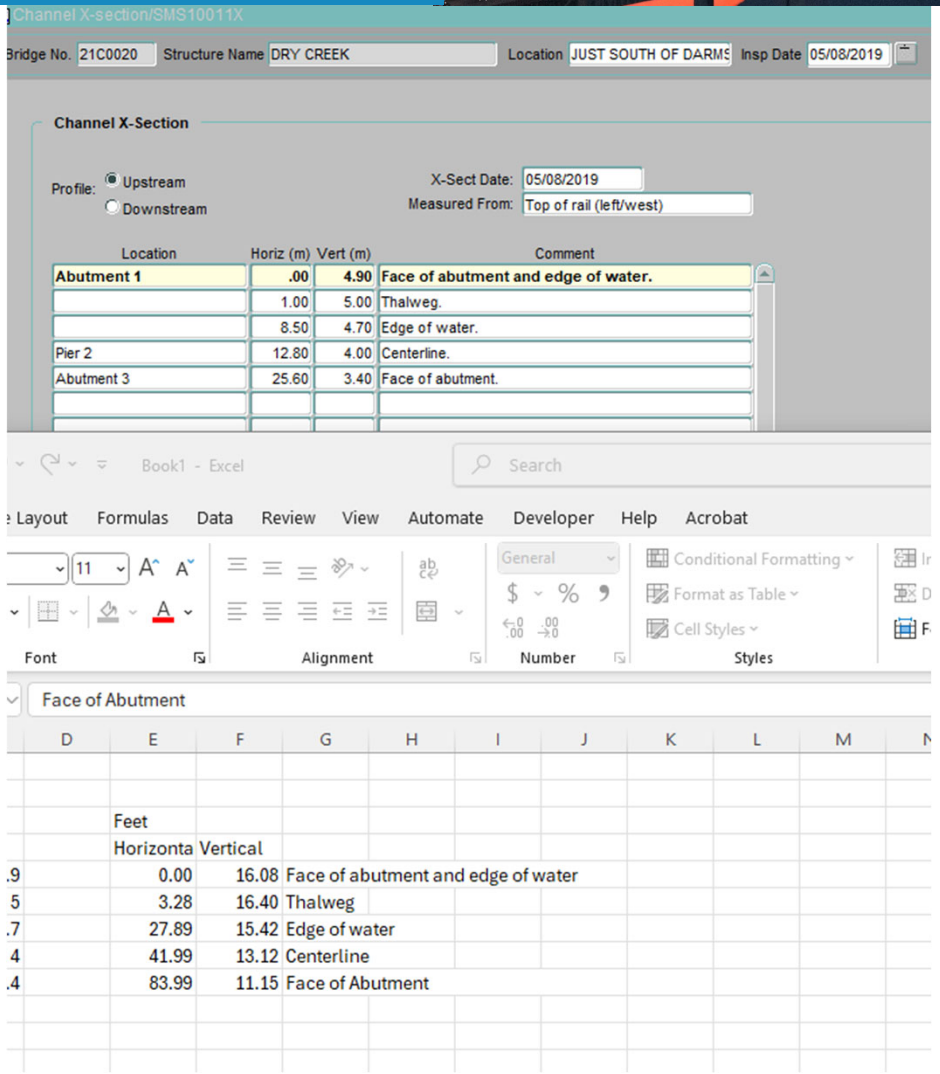


AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections

Graph Line Settings

Name *
Streambed Cross Section

Style *
Solid

Color *
#7F7F7F

☑ Show in Graph

☑ Show in Legend When Graphed

General Information

Station Equation
Stations
+
ft
=
Stations
+
ft

Elevation Equation
ft
=
ft

Soundings/Elevations Indicator
Soundings

Location of Base Measurement

Offset Remark

Elevation Basis
Assumption

Water Surface
9 ft

Bridge Inspection
08/18/2025 (ZWUX)

Details

Add New

Station	Sounding/Elevation (ft)	Remarks
0 + 0	16.08	Face of abutment & water edge
0 + 3.28	16.4	Thalweg
0 + 27.89	15.42	Edge of water
0 + 41.99	13.12	Centerline
0 + 83.99	11.15	Face of abutment

1 - 5 of 5

Cancel

Channel X-section/SMS10011X

Bridge No. 21C0020 Structure Name DRY CREEK Location JUST SOUTH OF DARMS Insp Date 05/08/2019

Channel X-Section

Profile: Upstream / Downstream
X-Sect Date: 05/08/2019
Measured From: Top of rail (left/west)

Location	Horiz (m)	Vert (m)	Comment
Abutment 1	.00	4.90	Face of abutment and edge of water.
	1.00	5.00	Thalweg.
	8.50	4.70	Edge of water.
Pier 2	12.80	4.00	Centerline.
Abutment 3	25.60	3.40	Face of abutment.

Book1 - Excel

Search

Layout Formulas Data Review View Automate Developer Help Acrobat

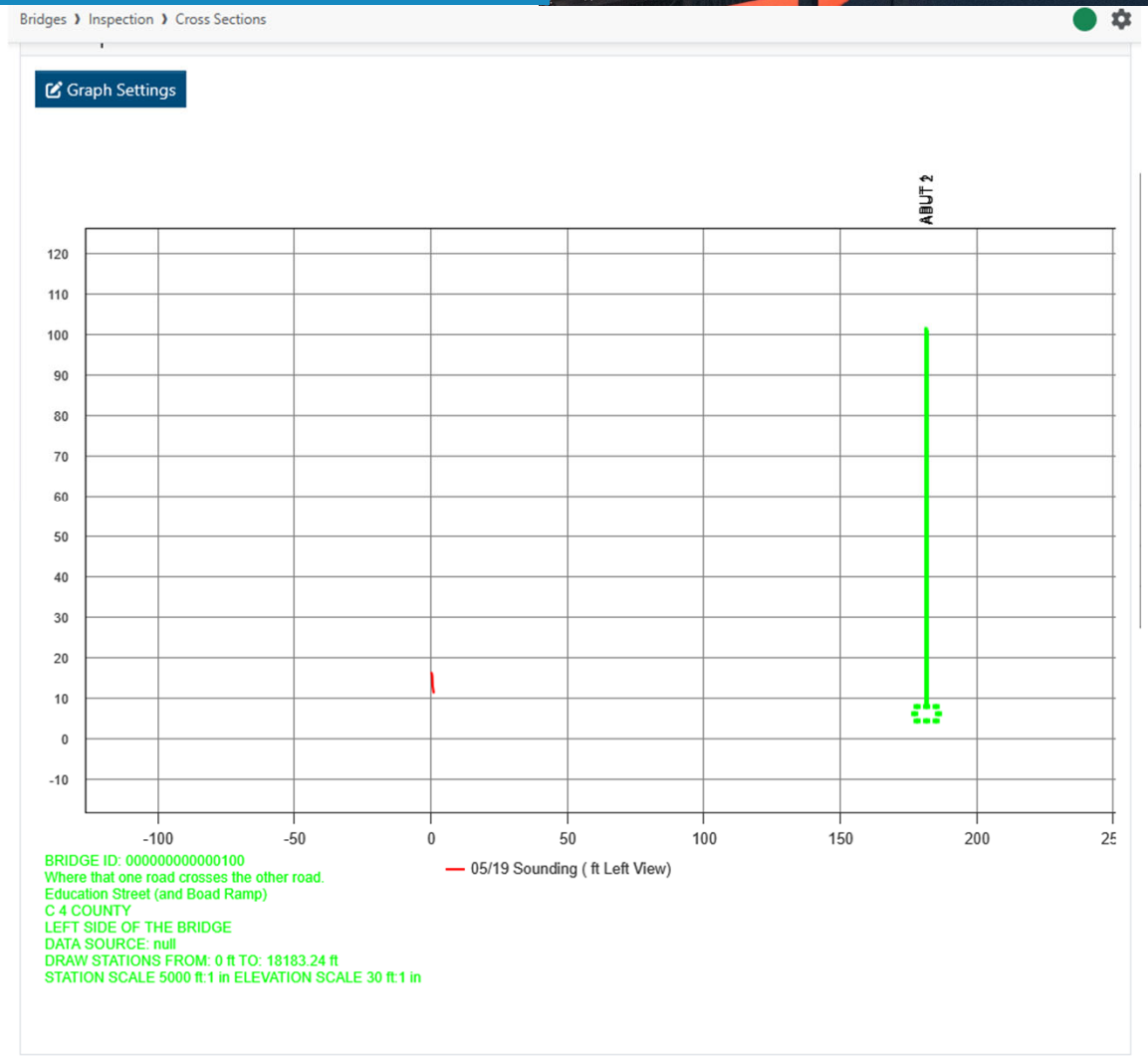
Font Alignment Number Styles

Face of Abutment

	Feet		
	Horizonta	Vertical	
.9	0.00	16.08	Face of abutment and edge of water
5	3.28	16.40	Thalweg
.7	27.89	15.42	Edge of water
4	41.99	13.12	Centerline
.4	83.99	11.15	Face of Abutment

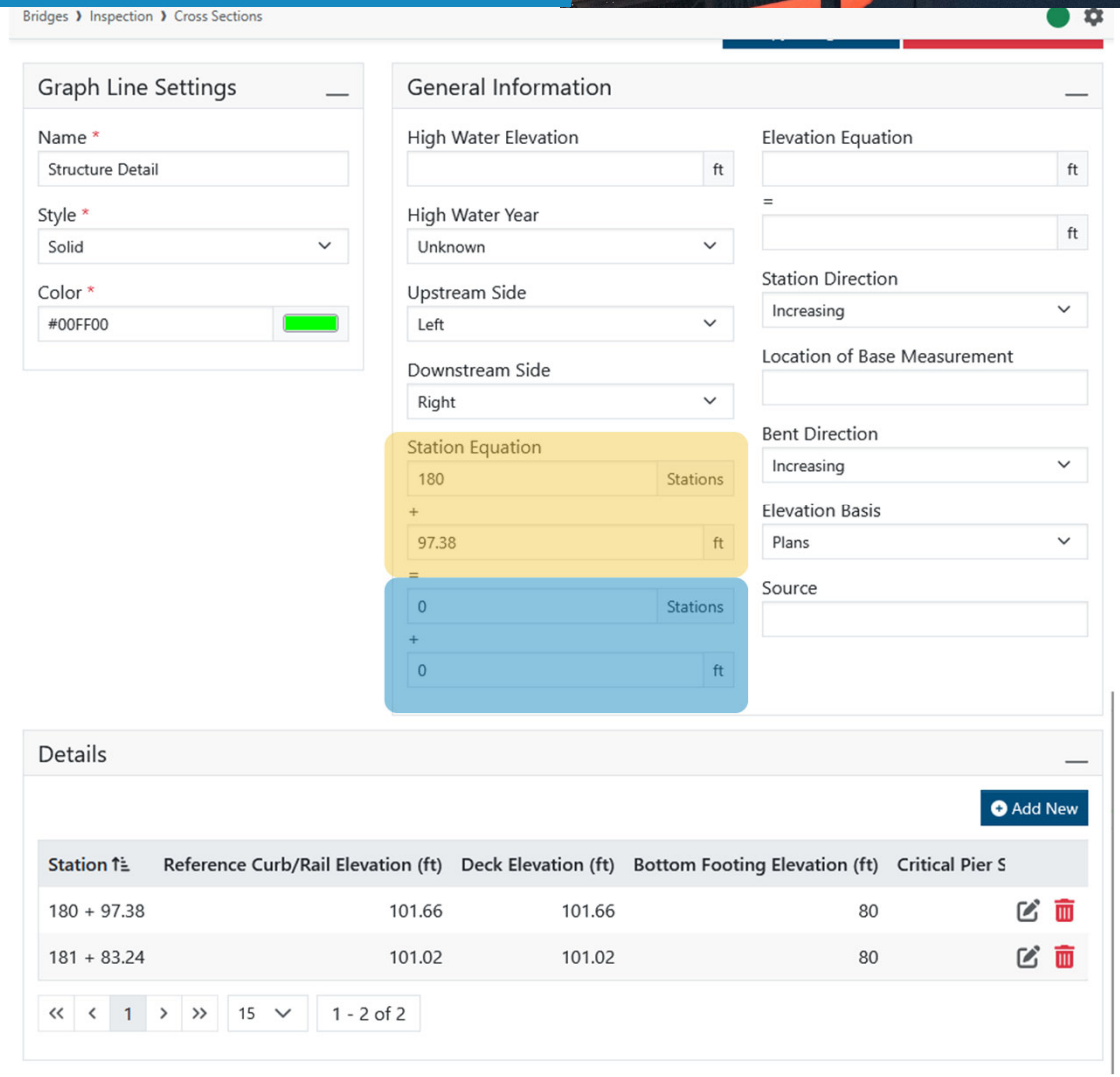
AASHTOWare BRIDGE MANAGEMENT

Cross Sections



AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections

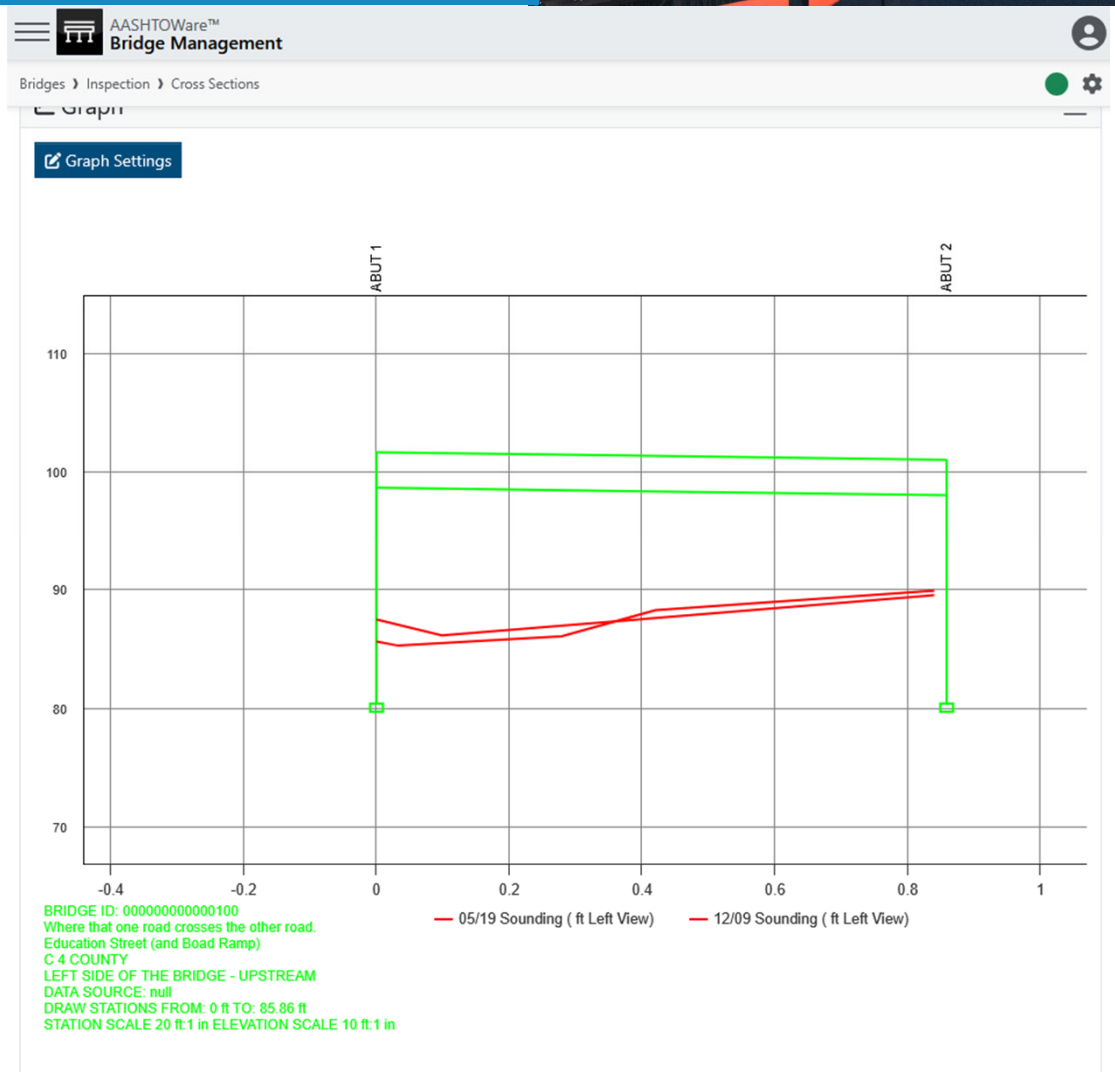


This session

The global base measure

AASHTOWare BRIDGE MANAGEMENT

Cross Sections



Cross Sections

The Required Minimum to Graph

To get a graph to display, you need a beginning and ending point with curb and deck points. These can all be zeroes except the end-stationing.

Details

Add New

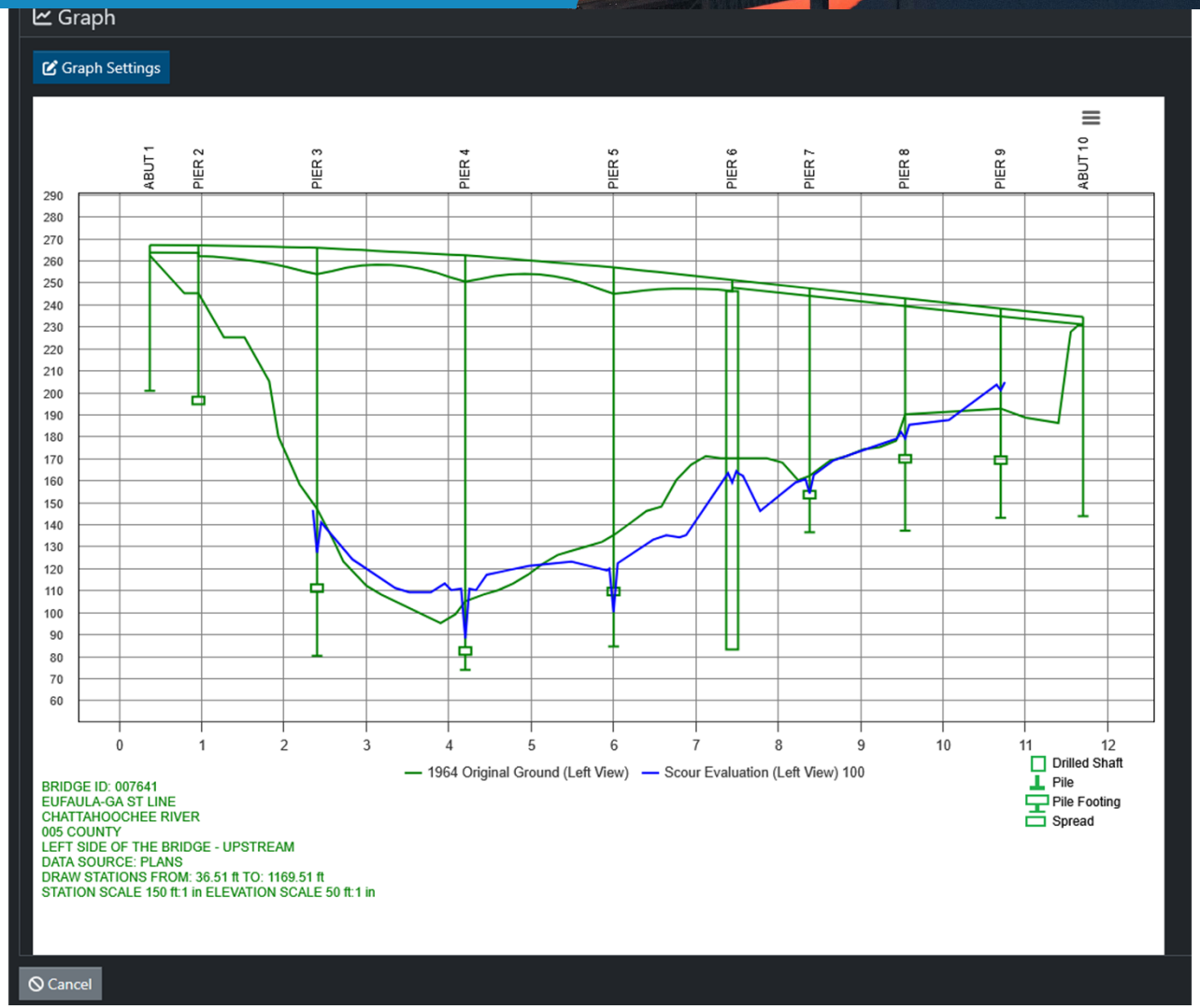
Station	Reference Curb/Rail Elevation (ft)	Deck Elevation (ft)	Bottom Footing Elevation (ft)	Critical Pier Scour Depth (ft)	Pile Tip Elevation (ft)	Footing Type	Superstructure Thickness (ft)	Remarks
0 + 0	0	0				Pile Bent		
0 + 20	0	0				Pile Bent		

« ‹ 1 › » 1 - 2 of 2 15

Save Cancel

AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



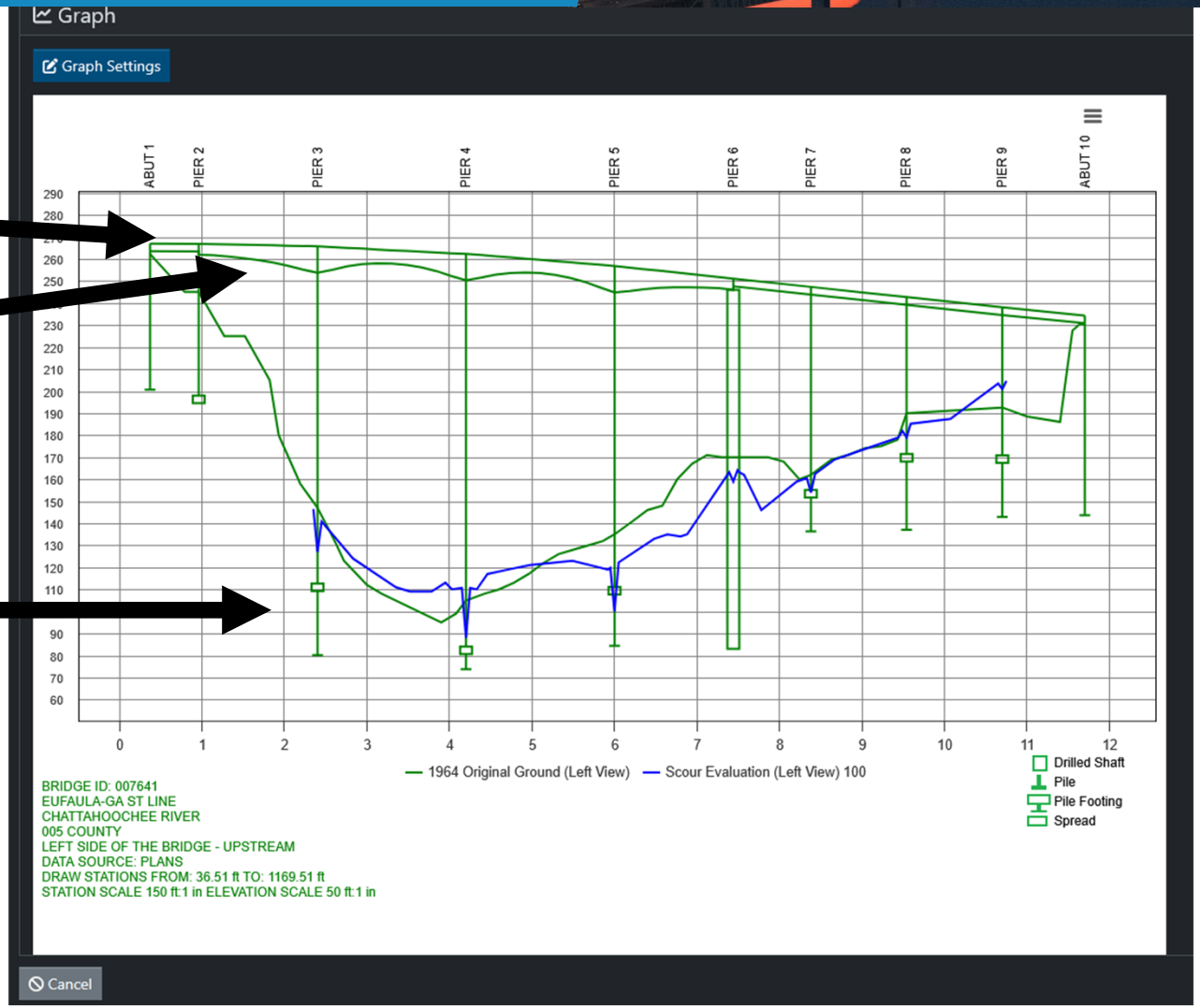
AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections

Curved deck

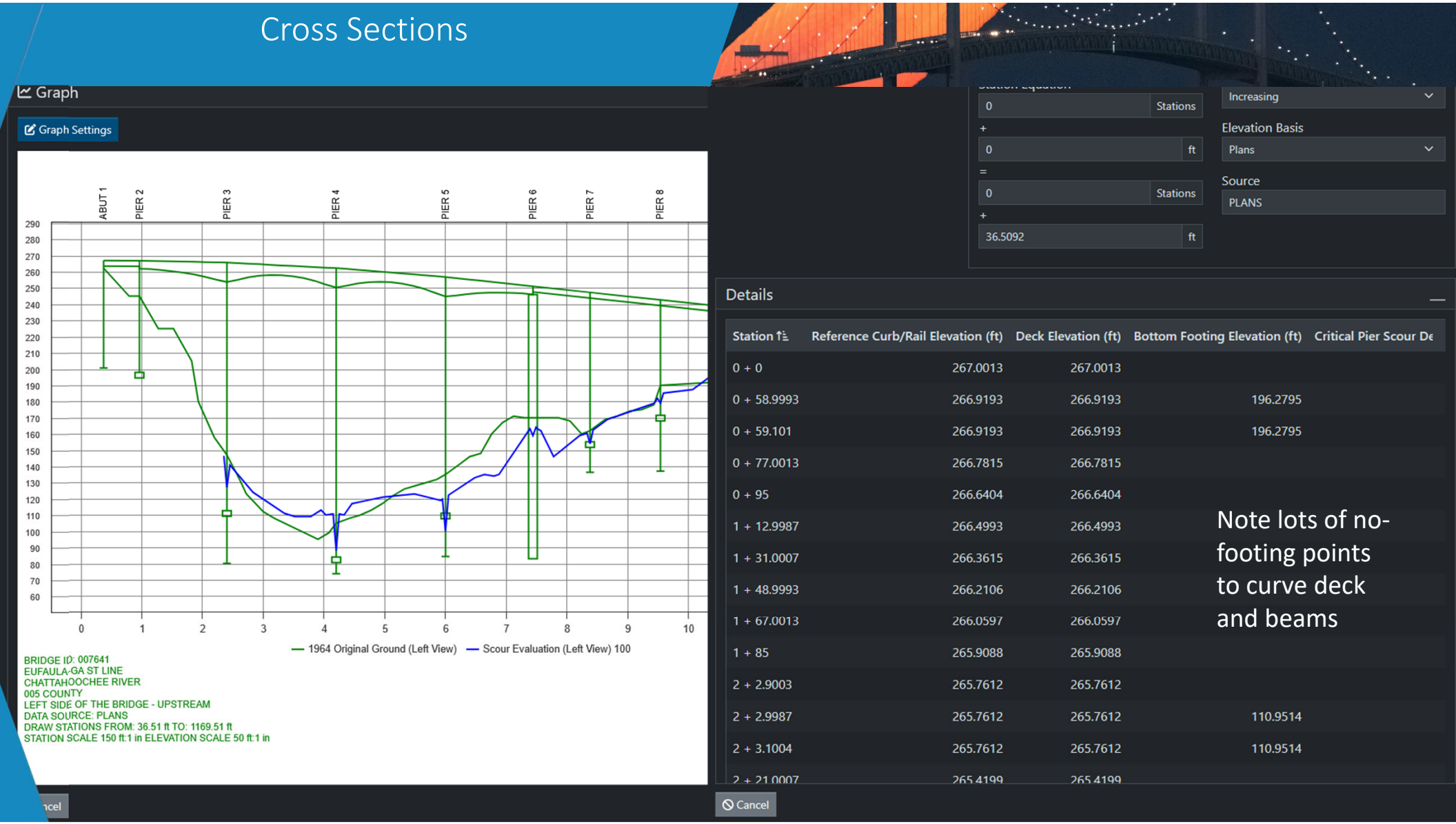
Detailed beam thickness

Every foundation type



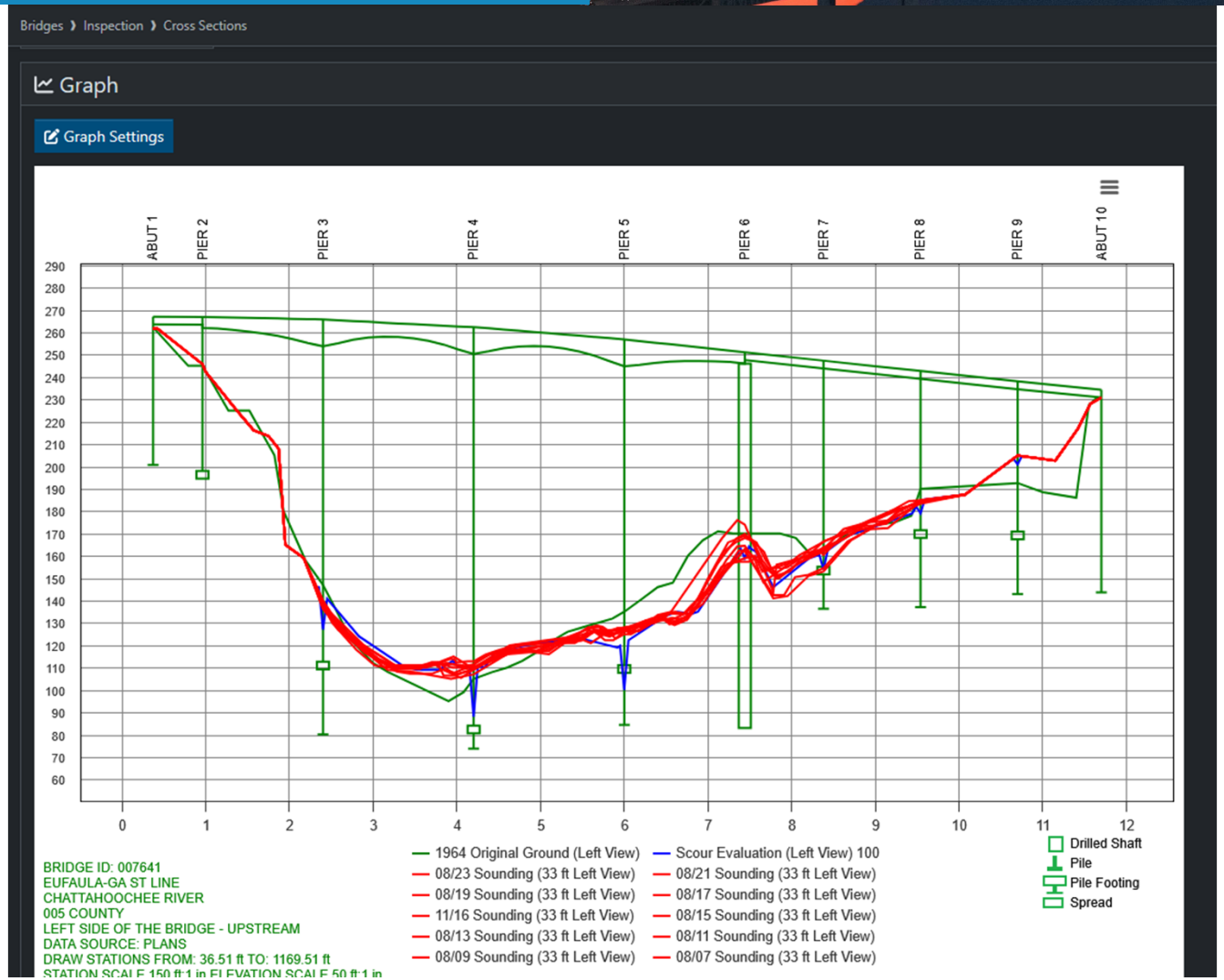
AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



Note lots of no-footing points to curve deck and beams

Cross Sections



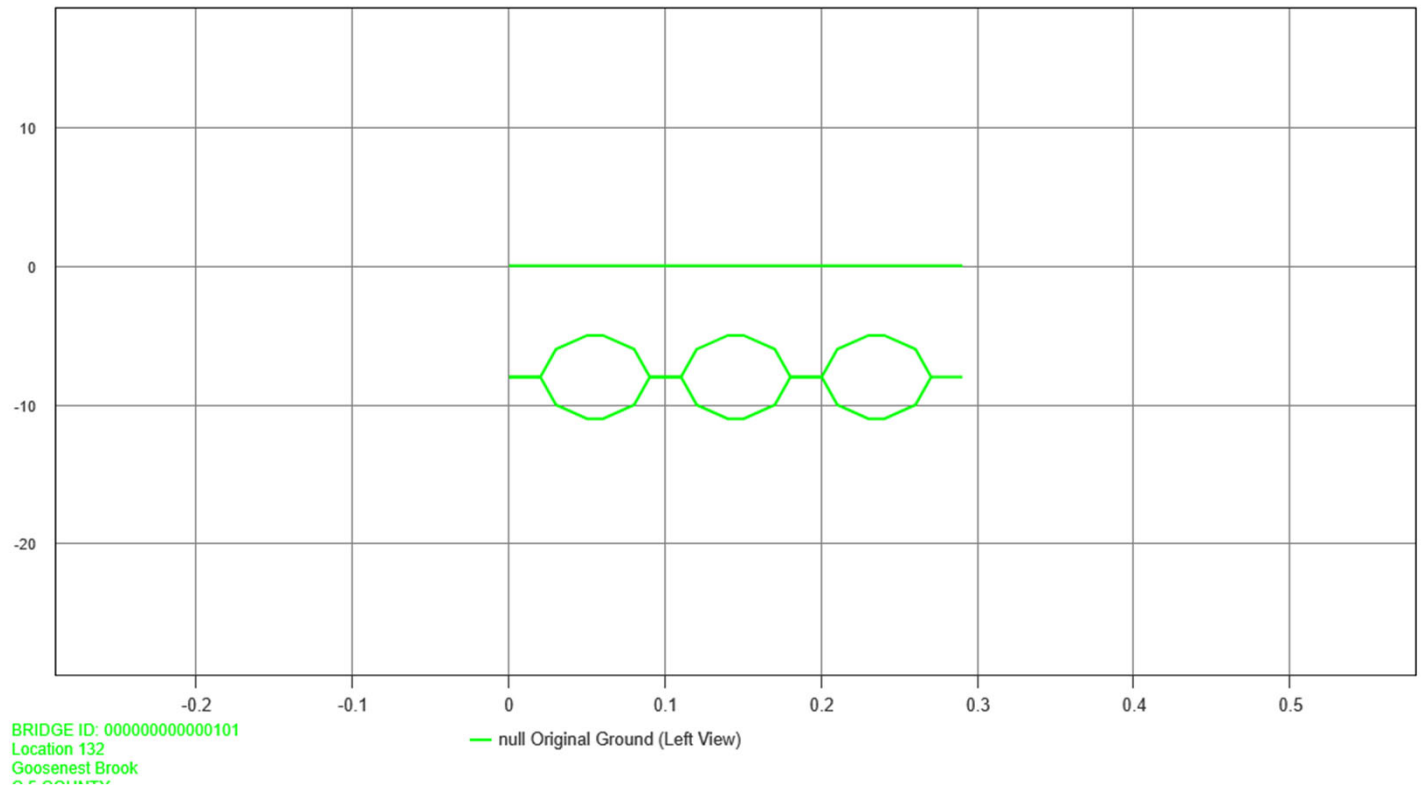
AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections

Bridges › Inspection › Cross Sections

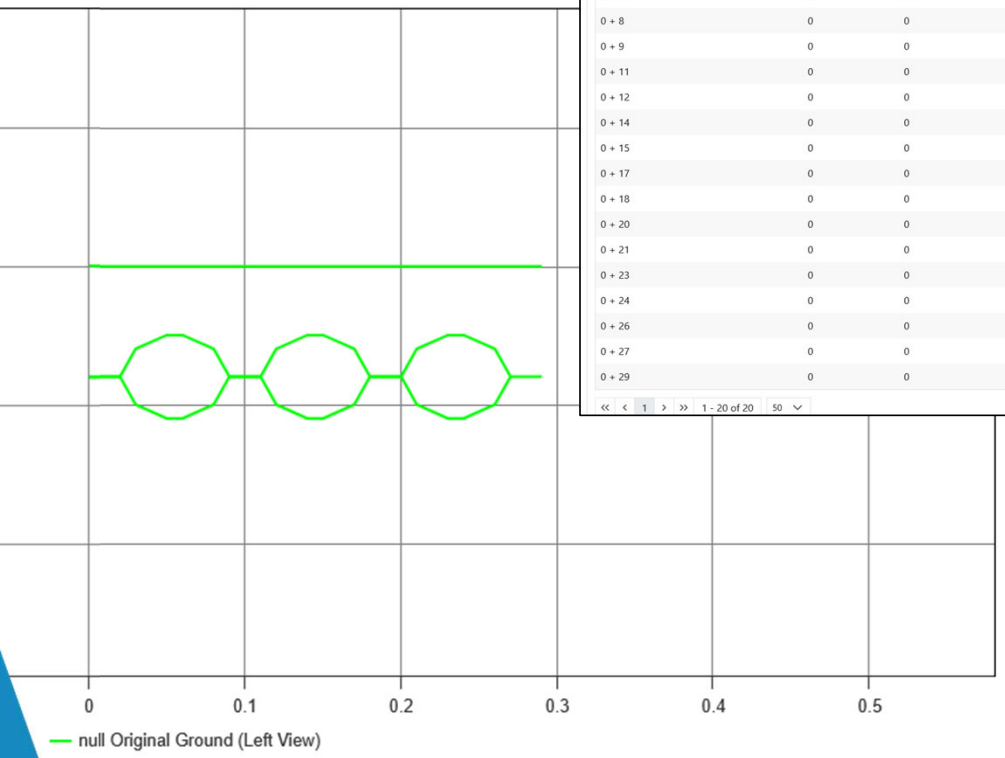
Graph

Graph Settings



AASHTOWare™ BRIDGE MANAGEMENT

Cross Sections



Bridges › Inspection › Cross Sections

Station	Reference Curb/Rail Elevation (ft)	Deck Elevation (ft)	Bottom Footing Elevation (ft)	Critical Pier Scour Depth (ft)	Pile Tip Elevation (ft)	Footing Type	Superstructure Thickness (ft)	Remarks
0 + 0	0	0				No Footing	8	
0 + 2	0	0				No Footing	8	
0 + 3	0	0				No Footing	6	
0 + 5	0	0				No Footing	5	
0 + 6	0	0				No Footing	5	
0 + 8	0	0				No Footing	6	
0 + 9	0	0				No Footing	8	
0 + 11	0	0				No Footing	8	
0 + 12	0	0				No Footing	6	
0 + 14	0	0				No Footing	5	
0 + 15	0	0				No Footing	5	
0 + 17	0	0				No Footing	6	
0 + 18	0	0				No Footing	8	
0 + 20	0	0				No Footing	8	
0 + 21	0	0				No Footing	6	
0 + 23	0	0				No Footing	5	
0 + 24	0	0						
0 + 26	0	0						
0 + 27	0	0						
0 + 29	0	0						

« ‹ 1 › » 1 - 20 of 20 50

Structure Detail thicknesses

Bridges › Inspection › Cross Sections

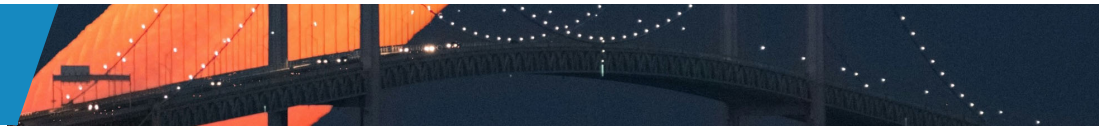
Details

Add New

Station	Sounding/Elevation (ft)	Remarks
0 + 0	8	
0 + 2	8	
0 + 3	10	
0 + 5	11	
0 + 6	11	
0 + 8	10	
0 + 9	8	
0 + 11	8	
0 + 12	10	
0 + 14	11	
0 + 15	11	
0 + 17	10	
0 + 18	8	
0 + 20	8	
0 + 21	10	
0 + 23	11	
0 + 24	11	
0 + 26	10	

Original ground line

Course Overview



TODAY

Before Break (Insp 101)

- ~~Login~~
- ~~Roles & Groups~~
- ~~Bridge List~~
- ~~Inspection List~~
- ~~Scheduling~~
- ~~Inspection Plans~~
- ~~Inventory~~
- ~~Design~~
- ~~Features~~

After Break (Insp 102)

- ~~Condition & Elements~~
- ~~Load Posting~~
- ~~Multimedia~~
- ~~Sketches~~
- ~~Cross Sections~~

TOMORROW

Before Break (Insp 201)

- Work Candidates
- Certifications
- Inspection Assignment
- Validation
- Inspection Review
- Future Planning

After Break (Insp 202)

- Submittal
- Critical Findings
- Reports
- Dashboards
- API Calls

AASHTOWare™ BRIDGE MANAGEMENT

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Photo by Evan Leith on Unsplash

AASHTOWare™ BRIDGE MANAGEMENT

BrMUG 2025 | Providence, RI | September 17-18