



BrM Inspection 102

The Un-Abridged Version

BrMUG 2025 | Providence, RI | September 17-18



Photo by Evan Leith on Unsplash



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Course Overview



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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





Condition & Elements



Photo by Evan Leith on Unsplash

Condition & Elements






[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) 

Underwater Inspection Condition (B.C.15) 

Condition & Elements

General Condition Ratings

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) ⓘ
N

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

NSTM Inspection Condition (B.C.14) ⓘ
N

Underwater Inspection Condition (B.C.15) ⓘ
N

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) ⓘ

Underwater Inspection Condition (B.C.15) ⓘ

General
Condition
Ratings

? Specialized
– Other – New
Condition
Ratings

Other
Condition
Ratings

Condition & Elements

AASHTOware™ Bridge Management

Bridges > Inspection > Condition

Bridge ID * 00000000000100 Inspection * 08/18/2025 (ZWUX) Feature Intersected i FeatInt 216

Facility Carried i
FacCar 644

Condition

Condition Ratings

Deck Condition Rating (B.C.01) i 6 Satisfactory 6 Superstructure Condition Rating (B.C.02) i 4 Poor 7

Substructure Condition Rating (B.C.03) i 5 Fair 4 Culvert Condition Rating (B.C.04) i N Not Applicable N

Bridge Condition Classification (B.C.12) i P Poor Lowest Condition Rating Code (B.C.13) i 4

Bridge Railing Condition Rating (B.C.05) i N Bridge Railing Transitions Condition Rating (B.C.06) i N

Bridge Bearings Condition Rating (B.C.07) i N Bridge Joints Condition Rating (B.C.08) i N

Channel Condition Rating (B.C.09) i N Not Applicable Channel Protection Condition Rating (B.C.10) i

Scour Condition Rating (B.C.11) i N Does not cross over water NSTM Inspection Condition (B.C.14) i

Underwater Inspection Condition (B.C.15) i

AASHTOware™ BRIDGE MANAGEMENT Inspection Report for Structure 00000000000100

08/18/2025 - Bridge

Summary Sheet

Summary Location

Bridge Number (B.ID.01): 000100 Agency Bridge ID: 000000000000100
 Bridge Name (B.ID.02): Bridge 100 Commonly Called: Br 100
 Report Bridge to FHWA: ☐ Report Elements to FHWA: ☐
 Owner (B.CL.01): 501 State transportation department Maintenance Responsibility (B.CL.02): 501 State transportation department
 District: Name 4

Summary Condition

Structure Overall 4	Deck 6	Super 4	Sub 5	Culvert N
	Railing ?	Transition ?	Bearing ?	Joints ?

Required Inspections Schedule

Inspection Type	Required for Bridge Inspection Rating Performed (B.IE.01)	Inspector	Most Recent Inspection Date	Interval Method (B.IE.07)	Interval (months) (B.IE.05)	Inspection Due Date (B.IE.06)	Inspection Assignment Name	Inspection Assignment Group
Routine	<input checked="" type="checkbox"/>	Boyle, Zachary	8/18/2025	1 Method 1	24	8/18/2027		
Special	<input type="checkbox"/>		9/10/2020	1 Method 1	12	5/22/2021		

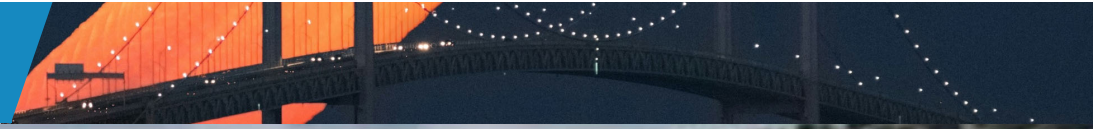
Review Information

Step	Reviewer	Completed Date	Completed # of Days Since Inspection Begin Date	Days Remaining for R

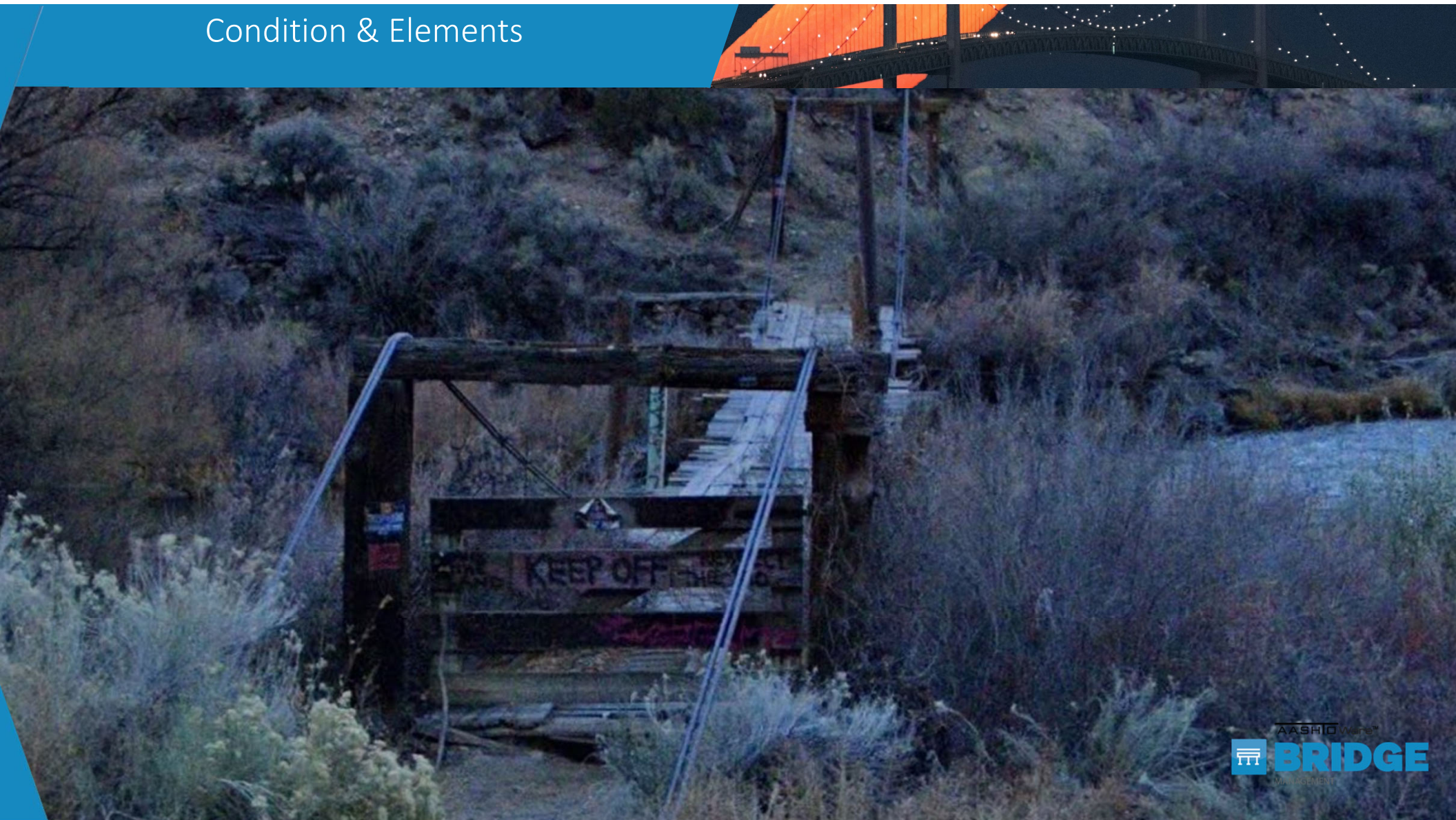
General
Condition
Ratings

? Specialized
– Other – New
Condition
Ratings

Condition & Elements



Condition & Elements



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) ⓘ

Underwater Inspection Condition (B.C.15) ⓘ

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

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N

Bridge Condition Classification (B.C.12) ⓘ

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

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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) ⓘ

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	<input checked="" type="checkbox"/>	1	1	1
8	<input checked="" type="checkbox"/>	5	5	1
7	<input checked="" type="checkbox"/>	20	5	2
6	<input checked="" type="checkbox"/>		10	3
5	<input checked="" type="checkbox"/>		20	5
4	<input checked="" type="checkbox"/>			15
3	<input checked="" type="checkbox"/>			100
2	<input type="checkbox"/>			
1	<input type="checkbox"/>			

Cancel

AASHTOWare™

BRIDGE

MANAGEMENT

Condition & Elements

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

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

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

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

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

Underwater Inspection Condition (B.C.15) ⓘ
N

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

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

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

Channel Protection Condition Rating (B.C.10) ⓘ
N

NSTM Inspection Condition (B.C.14) ⓘ
N

NBI Calculation

Assigned NBI Conversion Profiles:

Decks/Slab

BrM Deck Default

Substructure

BrM Substructure Default

Superstructure

BrM Superstructure Default

Culvert

BrM Culvert Default

Calculate NBI

Element Conditions

Quantity/Percentage Structure Unit Environment

Quantity All All

Search

Expand All

Add New

Inspected ID Name Structure Unit Type Environment Total Quantity

12 Re Concrete Deck 0 Element Moderate 4000

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	<input checked="" type="checkbox"/>	1	1	1
8	<input checked="" type="checkbox"/>	5	5	1
7	<input checked="" type="checkbox"/>	20	5	2
6	<input checked="" type="checkbox"/>		10	3
5	<input checked="" type="checkbox"/>		20	5
4	<input checked="" type="checkbox"/>			15
3	<input checked="" type="checkbox"/>			100
2	<input type="checkbox"/>			
1	<input type="checkbox"/>			

Cancel

Condition & Elements

Element Conditions

Quantity/Percentage

Quantity

Structure Unit

All

Environment



















All

Q

Search

Expand All

Add New

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

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

Inspection Status

New

Save

Save & Close

Cancel

Delete Bridge Inspection

Facility Carried

Quantity/Percentage

Structure Unit

Environment

Quantity

All

All

Q

Search

[+ Add New](#)

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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.

Facility Carried 
FacCar 644

Q Search

Expand All Add New

Agency Inspection Notes 

BRIDGE
MANAGEMENT

Condition & Elements

Bridge ID *

000000000000100

Facility Carried ⓘ

FacCar 644

Quantity/Percentage

Quantity ▾

Structure Unit

All ▾

Environment

All ▾

Q Search

Inspected ↕	ID ↕	Name ↕
> <input type="checkbox"/>	12	Re Concrete Deck
> <input type="checkbox"/>	107	Steel Opn Girder/Beam
> <input type="checkbox"/>	215	Re Conc Abutment
<input type="checkbox"/>	301	Pourable Joint Seal
<input type="checkbox"/>	305	Assem Jnt Wthut Seal
> <input type="checkbox"/>	311	Moveable Bearing
> <input type="checkbox"/>	313	Fixed Bearing
> <input type="checkbox"/>	321	Re Conc Approach Slab
> <input type="checkbox"/>	331	Re Conc Bridge Railing

Notes

Inspection Note (B.IE.11) ⓘ

AASHTOWare™

Bridge Management

Settings > General Configuration > Pages & Dashboards > Page Builder

Calculate NBI

Element Conditions

Quantity/Percentage

Quantity ▾

Structure Unit

All ▾

Environment

All ▾

Q Search

Inspected ↕	ID ↕	Name ↕	Structure Unit ↕	Type	Env
No record					

Notes

Inspection Note (B.IE.11) ⓘ

Element Conditions Settings

Common

Control Type

Element Condition Grid

Name *

Element Conditions

☐ Show Name

Column Width *

12 ▾

Edit Security

Control Specific

Filter by Category

All ▾

Structure Unit Filter Default *

All ▾

☐ Require Environment

☒ Show Latitude/Longitude

☒ Allow defect quantity values to exceed parent's values

Default Environment

▾



















Save

Save & Close

Cancel

Expand All

Add New

CS 4 Qty	Description
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  
0	Lorem ipsum  

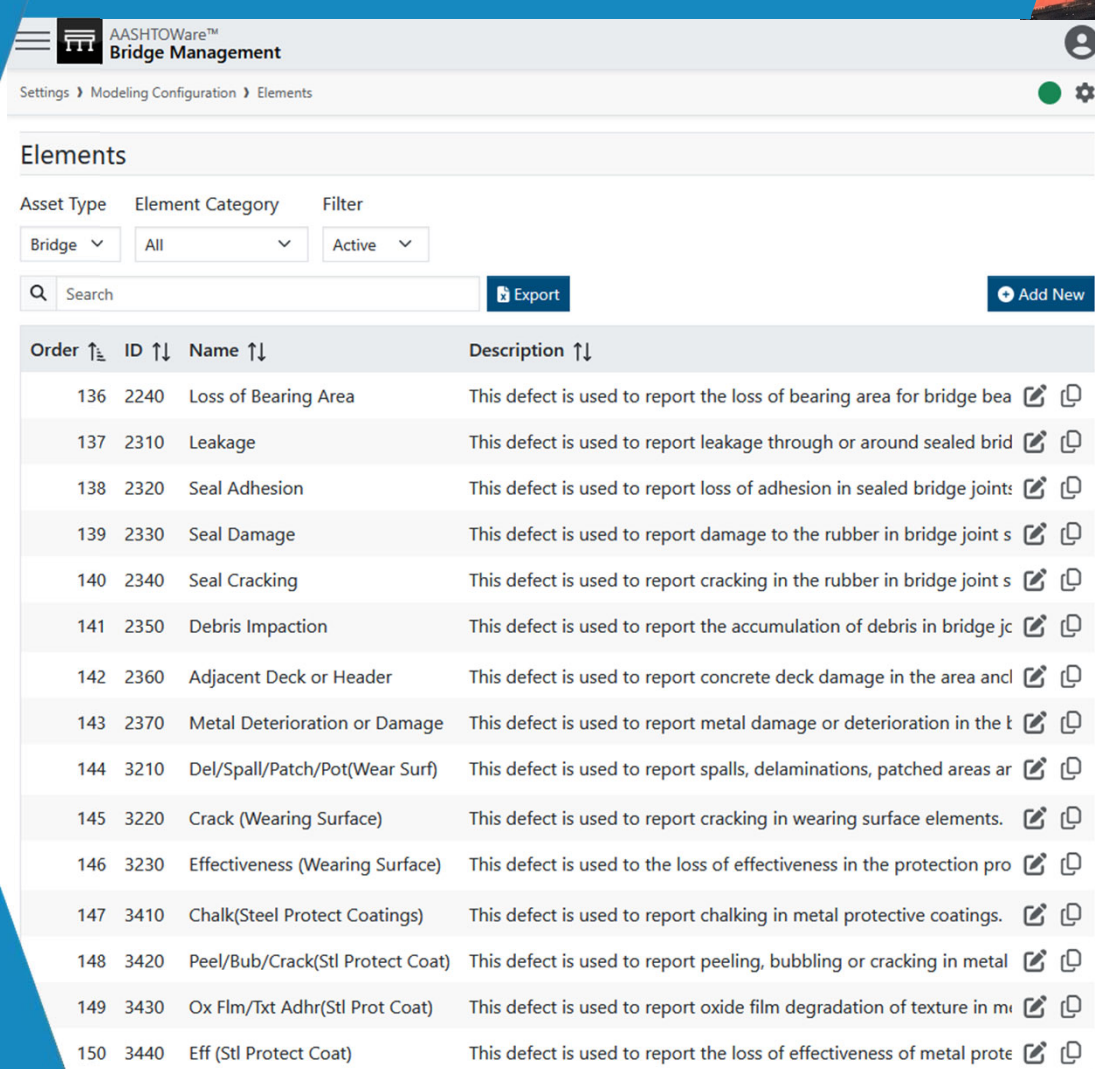
AASHTOWare™

BRIDGE

MANAGEMENT



Condition & Elements



AASHTOWare™ Bridge Management

Settings > Modeling Configuration > Elements

Elements

Asset Type: Bridge | Element Category: All | Filter: Active

Search: [] Export [] Add New []

Order ↑↓	ID ↑↓	Name ↑↓	Description ↑↓
136	2240	Loss of Bearing Area	This defect is used to report the loss of bearing area for bridge bea
137	2310	Leakage	This defect is used to report leakage through or around sealed brid
138	2320	Seal Adhesion	This defect is used to report loss of adhesion in sealed bridge joint:
139	2330	Seal Damage	This defect is used to report damage to the rubber in bridge joint s
140	2340	Seal Cracking	This defect is used to report cracking in the rubber in bridge joint s
141	2350	Debris Impaction	This defect is used to report the accumulation of debris in bridge jc
142	2360	Adjacent Deck or Header	This defect is used to report concrete deck damage in the area and
143	2370	Metal Deterioration or Damage	This defect is used to report metal damage or deterioration in the l
144	3210	Del/Spall/Patch/Pot(Wear Surf)	This defect is used to report spalls, delaminations, patched areas ar
145	3220	Crack (Wearing Surface)	This defect is used to report cracking in wearing surface elements.
146	3230	Effectiveness (Wearing Surface)	This defect is used to the loss of effectiveness in the protection pro
147	3410	Chalk(Steel Protect Coatings)	This defect is used to report chalking in metal protective coatings.
148	3420	Peel/Bub/Crack(Stl Protect Coat)	This defect is used to report peeling, bubbling or cracking in metal
149	3430	Ox Flm/Txt Adhr(Stl Prot Coat)	This defect is used to report oxide film degradation of texture in m
150	3440	Eff (Stl Protect Coat)	This defect is used to report the loss of effectiveness of metal prote

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)

Condition & Elements

Bridge ID *
000000000000100

Inspection *
08/18/2025 (ZWUX)

Feature Intersected ⓘ
FeatInt 216

Facility Carried ⓘ
FacCar 644

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

Notes

Inspection Note (B.IE.11) ⓘ

Agency Inspection Notes ⓘ

Inspection Status
New

Save

Save & Close

Cancel

Delete Bridge Inspection

Condition & Elements

Bridge ID *

000000000000100

Inspection *

08/18/2025 (ZWUX)

Feature Intersected ⓘ

FeatInt 216

Facility Carried ⓘ

FacCar 644

<input type="checkbox"/>	301	Pourable Joint Seal	0	Element	Moderate	24		
<input type="checkbox"/>	305	Assem Jnt Wthut Seal	0	Element	Moderate	24		
> <input type="checkbox"/>	311	Moveable Bearing	0	Element	Moderate	7		
> <input type="checkbox"/>	313	Fixed Bearing	0	Element	Moderate	7		
> <input type="checkbox"/>	321	Re Conc Approach Slab	0	Element	Moderate	681		
> <input type="checkbox"/>	331	Re Conc Bridge Railing	0	Element	Moderate	96		

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



Load Posting

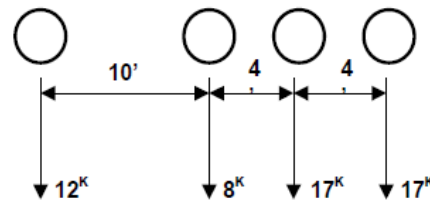


Photo by Evan Leith on Unsplash

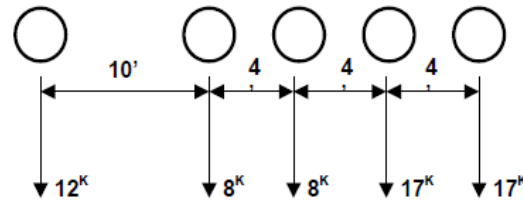
Load Posting

Step 1: Know your vehicles

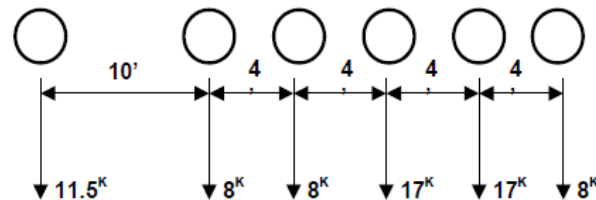
e. Single-Unit Bridge Posting Loads



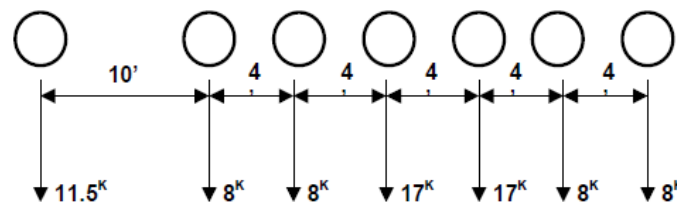
SU4 TRUCK
GVW = 54 KIPS



SU5 TRUCK
GVW = 62 KIPS



SU6 TRUCK
GVW = 69.5 KIPS



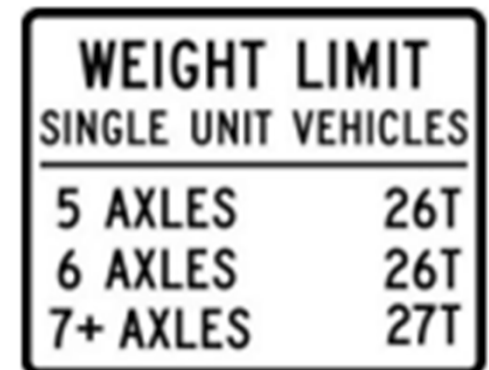
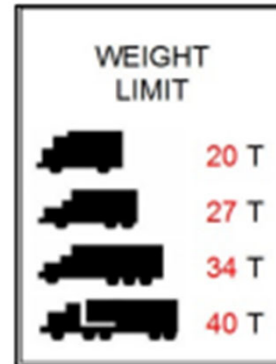
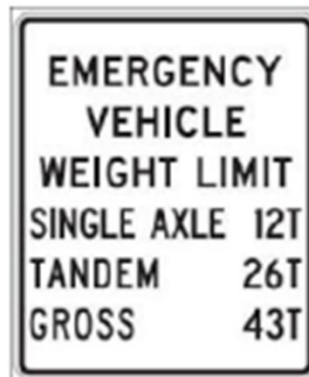
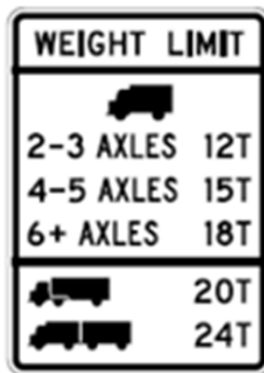
SU7 TRUCK
GVW = 77.5 KIPS

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

Load Posting

Step 1: Know your vehicles

Step 2: Know your signs



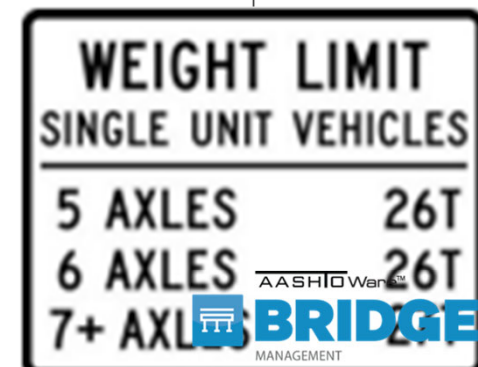
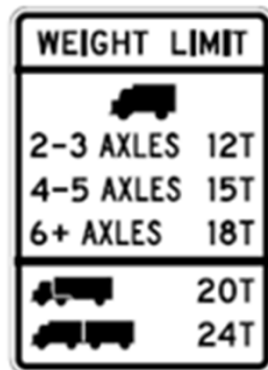
Load Posting

Step 1: Know your vehicles

Step 2: Know your signs

Step 3: Know the codes

Posting Type		
Format AN (17)	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.		<u>This item is reported when a bridge is posted for the legal load configuration. Roadway postings are excluded.</u>
Report multiple codes in the order shown separated by pipe () delimiters.		<u>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).</u>
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	LTLIM	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	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	x	x
5 Axle	T	TRUE	RIDOT											x						x									
5+ Axle	T	TRUE	RIDOT											x	x					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	x	x
7 Axle	T	TRUE	RIDOT																										

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


Settings > General Configuration > Vehicle Types

Vehicle Types


Sign Types
Vehicle Types

Filter
Active

Export
Add New

Name ↑↓	Reportable Posting Type ↑↓	Active ↑↓	Standard ↑↓
Gross Load		True	True
No Commercial Vehicles		True	True
Number of lanes restricted		True	True
Number of vehicles restricted		True	True
Other		True	True
Single Axle Load		True	True
Speed reduction		True	True
Tandem Axle Load		True	True
Truck Load		True	True

<<
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1
>
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15
1 - 9 of 9



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									

AASHTOWare™ Bridge Management

Settings > General Configuration > Vehicle Types

Vehicle Types

Sign Types Vehicle Types

Filter
Active

Search

Name

Gross Load

No Commercial Vehicles

Number of lanes restricted

Number of vehicles restricted

Other

Single Axle Load

Speed reduction

Tandem Axle Load

Truck Load

<< < 1 > >> 15

AASHTOWare™ Bridge Management

Settings > General Configuration > Vehicle Types

Vehicle Types

Sign Types Vehicle Types

Export

Order	Code	Name
1	HS20 O	HS-20
1	0	Cust
2	HS20 I	HS-20
3	0	Cust
3	HL93 O	HL-93
4	HL93 I	HL-93
5	0	Cust
5	3	AAS
6	3S2	AAS
7	3-3	AAS
8	NRL	AAS
9	SU4	AAS
10	SU5	AAS
11	0	Cust
11	SU6	AAS
12	SU7	AAS

Edit Vehicle

Code *
SU6

Name *
AASHTO SU6 truck

Description
AASHTO SU6 truck

Default Analysis Type *
2 Permit

Gross
69.5

Sign Types

Gross Load

No Commercial Vehicles

Single Axle Load

Tandem Axle Load

Truck Load

☒ Add to Event

☒ Active

☒ Standard

Load Posting

AASHTOWare™
Bridge Management

Bridges > Load Ratings > Load Posting Status







Load Posting Status

Bridge
000000000000100

Search

Export

Add New


Posting Status Change Date (B.PS.02) ↓↑	Open/Posted/Closed ↑↓	Permanent/Temp/Supported ↑↓	Load Posting S	
8/25/2025	Weight	Permanent	PP	 
6/11/2025	Missing	Permanent	PM	 
9/10/2020	Weight	Permanent	PP	 

<< < 1 > >>

15 ▼

1 - 3 of 3

Load Posting



Bridges > Load Ratings > Load Posting Status







Load Posting Status

Bridge
000000000000100

Search

Export


Add New

Posting Status Change Date (B.PS.02) ↓	Open/Posted/Closed ↑↓	Permanent/Temp/Supported ↑↓	Load Posting S	
8/25/2025	Weight	Permanent	PP	 
6/11/2025	Missing	Permanent	PM	 
9/10/2020	Weight	Permanent	PP	 

<< < 1 > >>

15

1 - 3 of 3



Bridges > Load Ratings > Load Posting Status

Bridge ID ⓘ
000000000000100

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

Feature Intersected ⓘ
FeatInt 216

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 ↑

Posting Type (B.EP.03) ↑↓


Posting Value (B.EP.04) ↑↓

No records to display.

<< < > >>

15

0 - 0 of 0



Load Posting

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 ↑

Posting Type (B.EP.03) ↑↓

Posting Value (B.E

No records to display.

<< < > >> 15 0 - 0 of 0

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

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
	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.

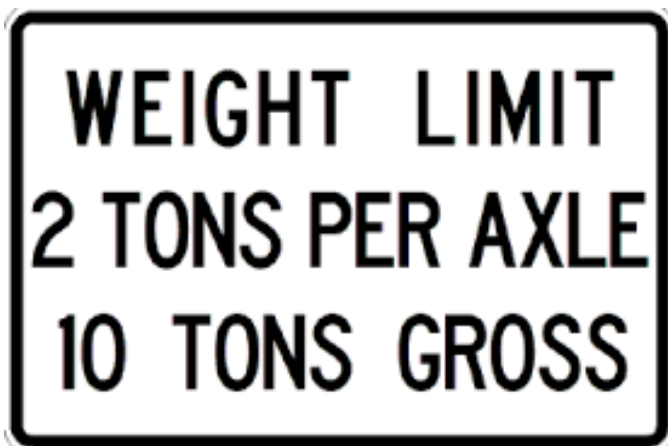
Supported (S) – Bridge with temporary shoring, supports, repairs, or supplemental members in place to keep the bridge open pending the completion of active or imminent repair, or

ected to be open

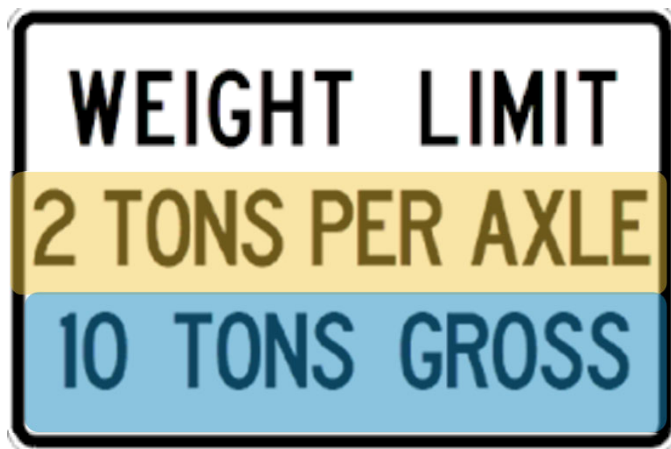
no posting signs in

it reduces loading
es, or restricting

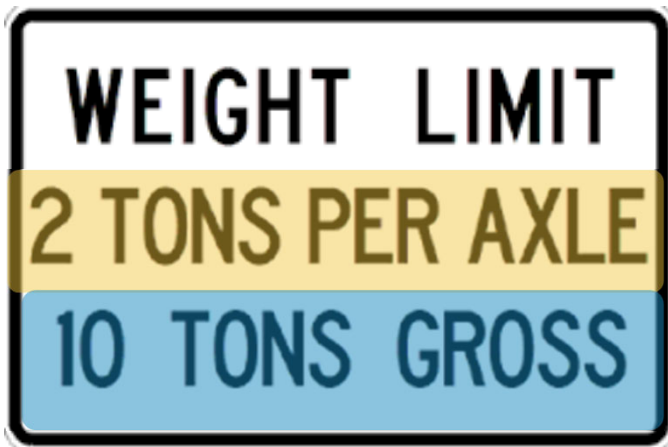
ed but not
but one or more



Load Posting



Load Posting



AASHTOWare™
Bridge Management

Bridges > Load Ratings > Load Posting

Bridge ID ⓘ
000000000000100

Facility Carried ⓘ
FacCar 644

Edit Bridge Load Posting

Load Posting Status & Value

Posting Status Change Date (B.P.03)
08 / 25 / 2025

Open/Posted/Closed *
Weight

Permanent/Temp/Supported *
Permanent

Load Posting Status (B.PS.01)
PP

Load Posting Status & Sign

Text of Load Posting Signs

Sign Type ↑
No records to display.

Create Load Posting Status Sign

Sign Type *
Single Axle Load

Posting Type (B.EP.03)
Single Axle Load

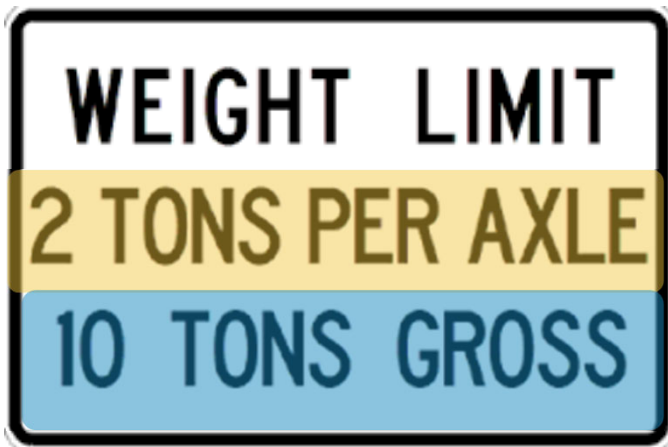
Posting Value (B.EP.04) *
2

Vehicle (B.EP.01) ↑	Rating Factor (B.EP.02) ↓
HS-20 Operating	
HS-20 Inventory	
HL-93 Operating	
HL-93 Inventory	
AASHTO Type 3	
AASHTO Type 3S2	
AASHTO Type 3-3	
AASHTO Notional Rating Load	
AASHTO SU4 truck	
AASHTO SU5 truck	
AASHTO SU6 truck	
AASHTO SU7 truck	
FHWA Type EV2 emergency vehicle	
FHWA Type EV3 emergency vehicle	

Add New

AASHTOWare™
BRIDGE
MANAGEMENT

Load Posting



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	Edit Delete
Single Axle Load	Single Axle Load	2	Edit Delete

<< < 1 > >> 15 1 - 2 of 2

[Save](#)

[Save & Close](#)

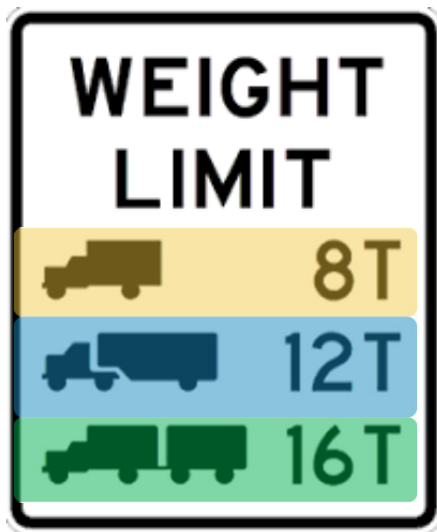
[Cancel](#)

[Delete Bridge Load Posting Status](#)

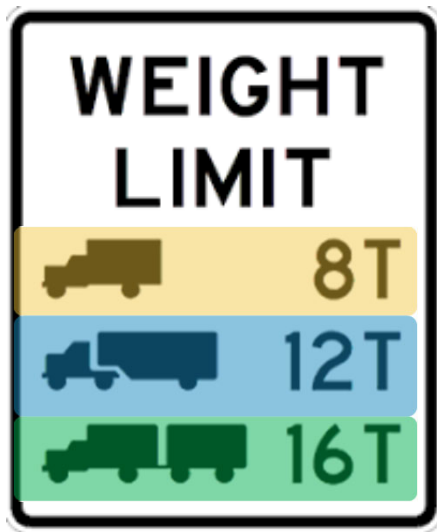
Load Posting



Load Posting



Load Posting



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): 00000000029460 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): **F 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 Overlapping Likelihood (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.

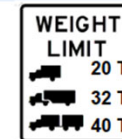
Posting

29460 05/01/2025

Required



Current



First observed on:
01/01/2025

First observed on:
01/01/2025

Load Posting Status History

Posting Status Change Date (B.P5.02)	Open/Posted/ Closed	Perm/Temp/Supported	Load Posting Status (B.P5.01)
05/01/2023	Weight	Permanent	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 Rigger	A04	
NSTM		
A04 Rigger	A04	
Routine		
A05 Waders	A05	
Equipment Notes		

Inspection Schedule

AASHTOware™





Multimedia & Sketches



Photo by Evan Leith on Unsplash

Multimedia & Sketches

AASHTOWare™
Bridge Management

Briges » Inspection » Condition

Bridge ID *

000000000000101

Inspection *

10/20/2021 (TGDW)

Feature Intersect

FeatInt 62

Facility Carried ⓘ

FacCar 308

Mapping

Multimedia

Help

Condition

Condition Ratings

Deck Condition Rating (B.C.01) ⓘ N Not Applicable	Superstructure Condition Rating (B.C.02) ⓘ N Not Applicable
Substructure Condition Rating (B.C.03) ⓘ N Not Applicable	Culvert Condition Rating (B.C.04) ⓘ 7 Good
Bridge Condition Classification (B.C.12) ⓘ G Good	Lowest Condition Rating Code (B.C.13) ⓘ 7
Bridge Railing Condition Rating (B.C.05) ⓘ N Not Applicable	Bridge Railing Transitions Condition Rating (B.C.06) ⓘ N Not Applicable
Bridge Bearings Condition Rating (B.C.07) ⓘ	Bridge Joints Condition Rating (B.C.08) ⓘ
Channel Condition Rating (B.C.09) ⓘ 7 Good	Channel Protection Condition Rating (B.C.10) ⓘ
Scour Condition Rating (B.C.11) ⓘ	NSTM Inspection Condition (B.C.14) ⓘ
Underwater Inspection Condition (B.C.15) ⓘ	

NBI Calculation

Assigned NBI Conversion Profiles:

Multimedia & Sketches

AASHTOWare™
Bridge Management

Briges » Inspection » Condition

Bridge ID *
000000000000101

Inspection *
10/20/2021 (TGDW)

Feature Intersect
FeatInt 62

Facility Carried ⓘ
FacCar 308

Condition

Condition Ratings

Deck Condition Rating (B.C.01) ⓘ
N Not Applicable

Substructure Condition Rating (B.C.03) ⓘ
N Not Applicable

Bridge Condition Classification (B.C.12) ⓘ
G Good

Bridge Railing Condition Rating (B.C.05) ⓘ
N Not Applicable

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

Channel Condition Rating (B.C.09) ⓘ
7 Good

Scour Condition Rating (B.C.11) ⓘ

Underwater Inspection Condition (B.C.15) ⓘ

Superstructure Condition Rating (B.C.02) ⓘ
N Not Applicable

Culvert Condition Rating (B.C.04) ⓘ
7 Good

Lowest Condition Rating Code (B.C.13) ⓘ
7

Bridge Railing Transitions Condition Rating (B.C.06) ⓘ
N Not Applicable

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

Channel Protection Condition Rating (B.C.10) ⓘ

NSTM Inspection Condition (B.C.14) ⓘ

NBI Calculation

Assigned NBI Conversion Profiles:

Mapping

Multimedia

Help

Multimedia & Sketches

AASHTOWare™
Bridge Management

Bridges > Inspection > Condition

Bridge ID *

00000000000001

Facility Carried

FacCar 308

Condition

Condition

Deck Condition

N Not Applicable

Substructure

N Not Applicable

Bridge Condition

G Good

Bridge Railing

N Not Applicable

Bridge Bearing

Channel Condition

7 Good

Scour Condition

Underwater Inspection

NBI Calculation

Assigned N

Multimedia Directory

Home

Bridge (0000000000000101)

15

Bridge Inspection

37

Download All

52

Close

Multimedia & Sketches

AASHTOWare™
Bridge Management

Bridges » Inspection » Condition

Bridge ID *
0000000000001

Facility Carried
FacCar 308

Condition

Condition

Deck Condition
N Not Applicable

Substructure
N Not Applicable

Bridge Condition
G Good

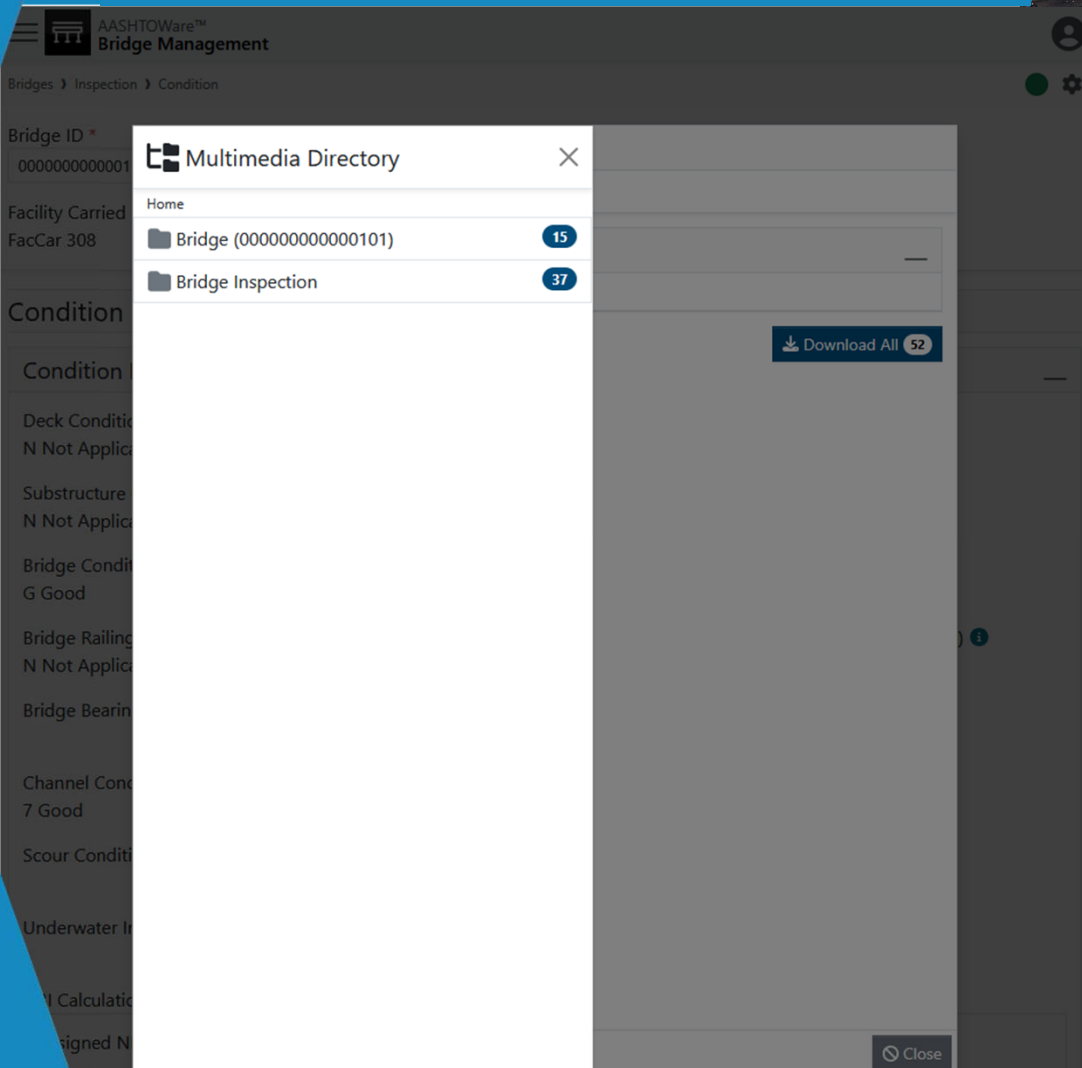
Multimedia Directory ✕

- Home
- Bridge (000000000000101) 15
- Bridge Inspection 37

Download All 52

AASHTOWare™
BRIDGE
MANAGEMENT

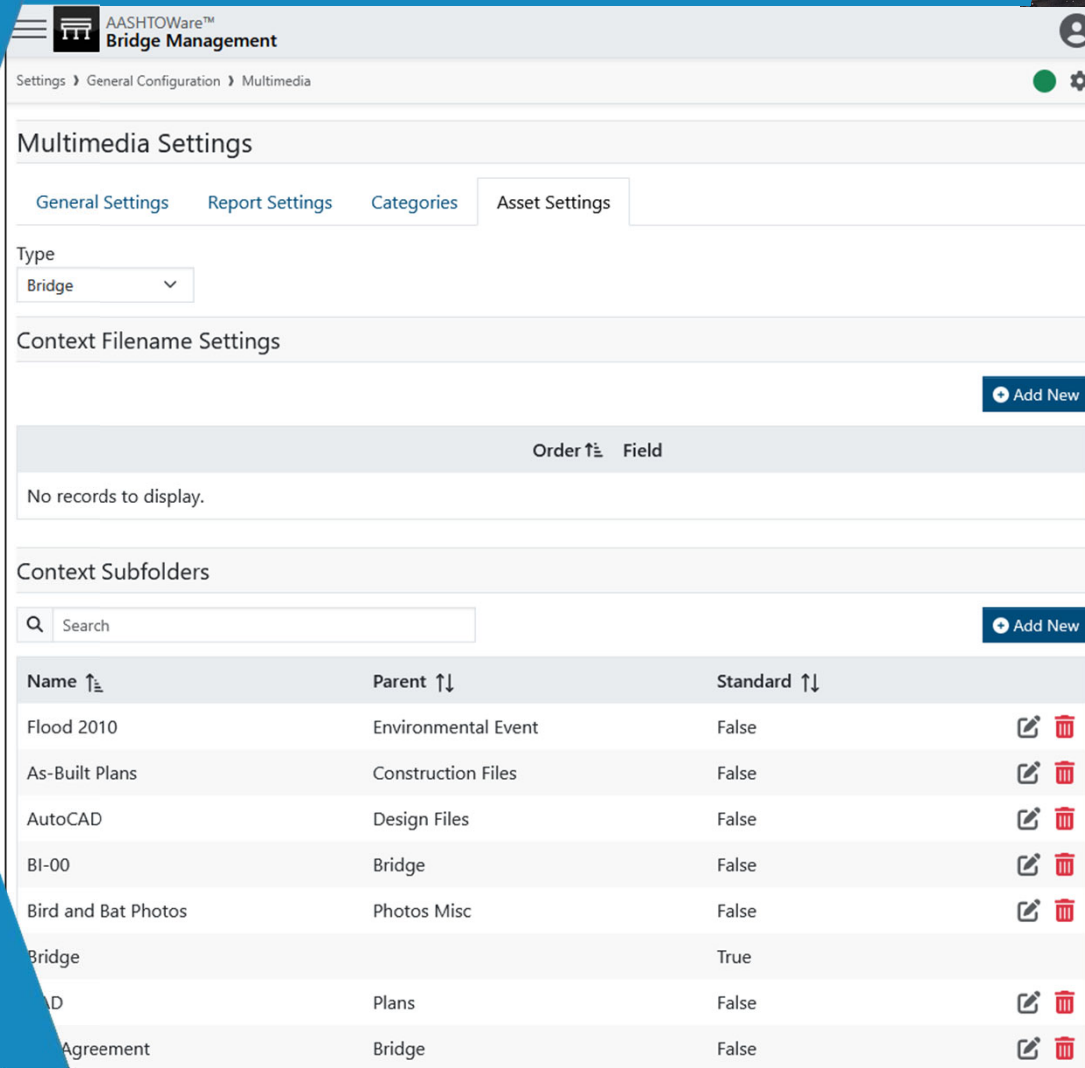
Multimedia & Sketches



Use case examples for folders:

- Bridge
 - Plans
 - Load Rating Docs
 - Scour Plans
 - Contract Docs
- Bridge Inspection
 - Final Report
 - Sketches

Multimedia & Sketches



AASHTOWare™ Bridge Management

Settings » General Configuration » Multimedia

Multimedia Settings

General Settings | Report Settings | Categories | Asset Settings

Type: Bridge

Context Filename Settings

[Add New](#)

Order ↑↓ Field

No records to display.

Context Subfolders

[Add New](#)

Name ↑↓	Parent ↑↓	Standard ↑↓	
Flood 2010	Environmental Event	False	
As-Built Plans	Construction Files	False	
AutoCAD	Design Files	False	
BI-00	Bridge	False	
Bird and Bat Photos	Photos Misc	False	
Bridge		True	
...	Plans	False	
...	Bridge	False	

Use case examples for folders:

- Bridge
 - Plans
 - Load Rating Docs
 - Scour Plans
 - Contract Docs
- Bridge Inspection
 - Final Report
 - Sketches

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.

Settings » General Configuration » Multimedia

Multimedia Settings

General Settings

Report Settings

Categories

Asset Settings

Storage Type *

Virtual Directory Storage

Maximum File Size *

2048

Megabytes (MB)

Virtual Directory *

~/media

Max Image Dimension *

Pixels (px)

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

☐ Organize Bridges By District

Save

Cancel

Multimedia & Sketches

AASHTOWare™
Bridge Management

Settings > General Configuration > Parameters

Parameters

Asset/Event

Global Sets

mul

Export

Add New

Name ↑↓	Description ↑↓	Active ↑↓	Standard ↑↓	
Multimedia Category	Multimedia Category parameter set	True	True	<div></div> <div></div>
Multimedia Subcategory	Multimedia Subcategory parameter set	True	True	<div></div> <div></div>

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15

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1 - 2 of 2

Settings > General Configuration > Multimedia

Create Category

Asset Type
Bridge

Category *
Bridge

Subcategories

Edit

Elevation

Roadway

Save

Save & Close

Cancel

Multimedia & Sketches

AASHTOWare™ Bridge Management

Bridges > Inspection > Condition

Bridge ID *
000000000000100

Facility Carried ⓘ
FacCar 644

Condition

Condition Ratings

Deck Condition Rating (B.C.0)
6 Satisfactory

Substructure Condition Rating
5 Fair

Bridge Condition Classification
P Poor

Bridge Railing Condition Rating

Bridge Bearings Condition Rating

Channel Condition Rating (B.C.1)
N Not Applicable

Scour Condition Rating (B.C.1)
N Does not cross over water

Inspection *
Feature Intersected ⓘ

Home > Bridge Inspection > Bridge Inspection (2025-08-18)

Create Multimedia

Add Files

Files

evan-leith-0ZV3iZalYxU-unsplash (#) JPG 1.00 MB

Allowed special characters: space, hyphen, parenthesis, and underscore

Sort Order

☒ Include in Report

Category
Bridge

Subcategory
Elevation

Description

Tags

Linked Files

Link Files

Save Cancel

Multimedia & Sketches

Condition

Condition Ratings

Deck Condition Rating (B.C.02) *i*

6 Satisfactory

Substructure Condition Rating (B.C.03) *i*

5 Fair

Bridge Condition Classification (B.C.04) *i*

P Poor

Bridge Railing Condition Rating (B.C.05) *i*

Bridge Bearings Condition Rating (B.C.06) *i*

Channel Condition Rating (B.C.07) *i*

N Not Applicable



Scour Condition Rating (B.C.08) *i*

N Does not cross over water

Underwater Inspection Condition (B.C.15) *i*

NBI Calculation

Files

 evan-leith-0ZV3lZalYxU-unsplash (#) .JPG 

Allowed special characters: space, hyphen, parenthesis, and underscore
1.00 MB

Sort Order

☒ Include in Report

Category


Bridge

Subcategory


Elevation



Description

Tags

 pretty X Example X Elevation X

Linked Files

 Link Files

 Save  Cancel

Multimedia & Sketches

AASHTOWare™
Bridge Management

Bridges > Inspection > Sketches

Sketches

Bridge

Bridge Name

Bridge Nickname

000000000000100

Bridge 100

Br 100

Bridge Inspection

Bridge Facility Carried

Bridge Feature Intersected

8/18/2025

FacCar 644

FeatInt 216

Q

Search

Add New

Name ↑↓	Span ↑↓	Beam ↑↓	Downstation Bent ↑↓	Upstation Bent ↑↓
No records to display.				

<<

<

>

>>

15

0 - 0 of 0

Multimedia & Sketches

Bridges > Inspection > Sketches

Sketches

Bridge

000000000000100

Bridge Name

Bridge 100

Bridge Nickname

Br 100

Bridge Inspection

8/18/2025

Bridge Facility Carried

FacCar 644

Bridge Feature Intersected

FeatInt 216

Q Search

Add New

Name ↑↓	Span ↑↓	Beam ↑↓	Downstation Bent ↑↓	Upstation Bent ↑↓
No records to display.				

<< < > >>

15

0 - 0 of 0

Bridges > Inspection > Sketches

Sketches

Bridge

000000000000100

Bridge Name

Bridge 100

Bridge Nickname

Br 100

Bridge Inspection

8/18/2025

Bridge Facility Carried

FacCar 644

Bridge Feature Intersected

FeatInt 216

Q Search

Add New

Name ↑↓	Span ↑↓	Beam ↑↓	Downstation Bent ↑↓	Upstation Bent ↑↓
No records to display.				

<< < > >>

15

0 - 0 of 0

Select Source

Start from *

Existing Sketch

Multimedia Image

New

Sketch Template

Multimedia & Sketches

AASHTOWare™
Bridge Management

Bridges > Inspection > Sketches

Sketches

Bridge	Bridge Name	Bridge Nickname
000000000000100	Bridge 100	Br 100
Bridge Inspection	Bridge Facility Carried	Bridge Feature Intersected
8/18/2025	FacCar 644	FeatInt 216

Add New

Name ↑↓	Span ↑↓	Beam ↑↓	Downstation Bent ↑↓	Upstation Bent ↑↓
No records to display.				

<< < > >>

15

0 - 0 of 0

AASHTOWare™
Bridge Management

Bridges > Inspection > Sketches

Sketches

Bridge	Bridge Name	Bridge Nickname
000000000000100	Bridge 100	Br 100
Bridge Inspection	Bridge Facility Carried	Bridge Feature Intersected
8/18/2025	FacCar 644	FeatInt 216

Add New

Name ↑↓	Span ↑↓	Beam ↑↓	Downstation Bent ↑↓	Upstation Bent ↑↓
No records to display.				

<< < > >>

15

Select Source

Start from *

Existing Sketch

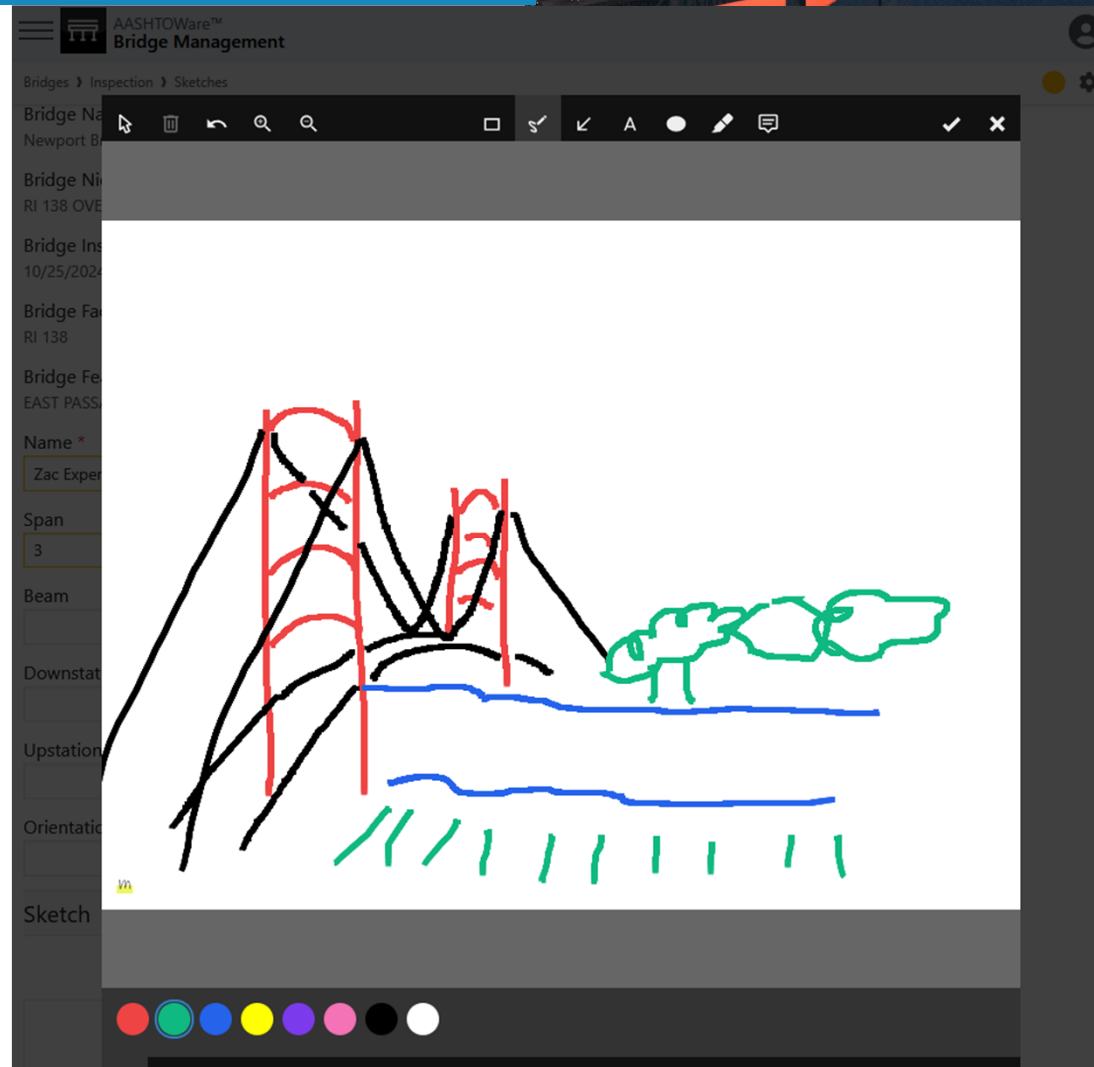
Multimedia Image

New

Sketch Template

AASHTOWare™
BRIDGE
MANAGEMENT

Multimedia & Sketches

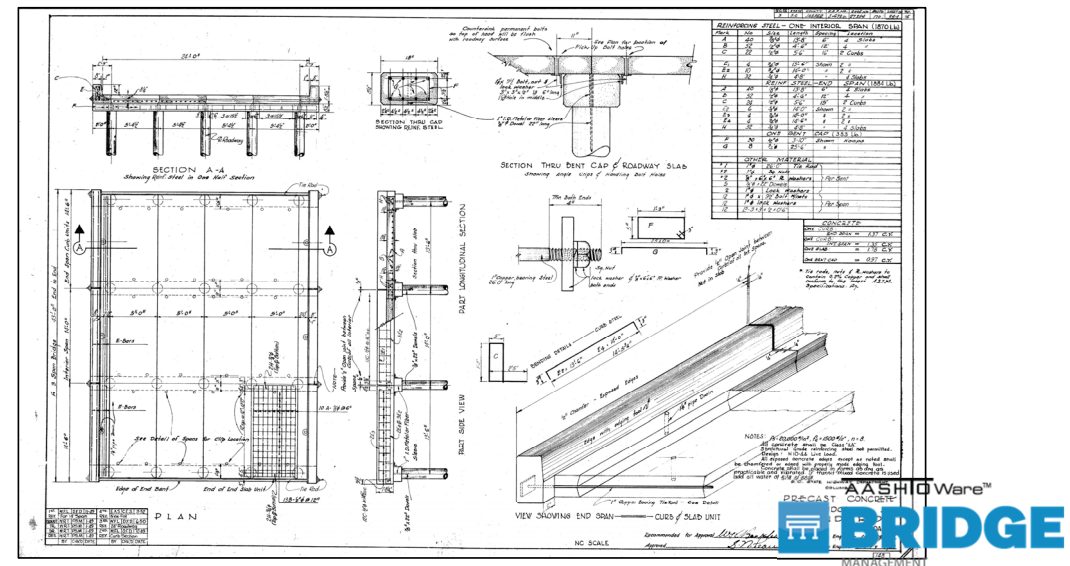
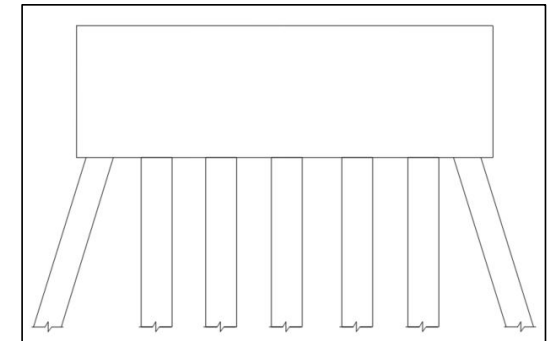




Sketch Templates

Name ↓

Six Pile Bent







Cross Sections





Photo by Evan Leith on Unsplash


Cross Sections


 AASHTOWare™
Bridge Management



Bridges > Inspection > Cross Sections  

Cross Sections

Validation Messages 

 To view graph add structure detail points to at least one orientation

Bridge



Bridge Name



Bridge 100


Bridge Nickname

Br 100

Orientation

Left View  

 Graph 

 Graph Settings


Streambed Cross Sections


Scour Potential Evaluation


Structure Detail

Original Streambed Elevation

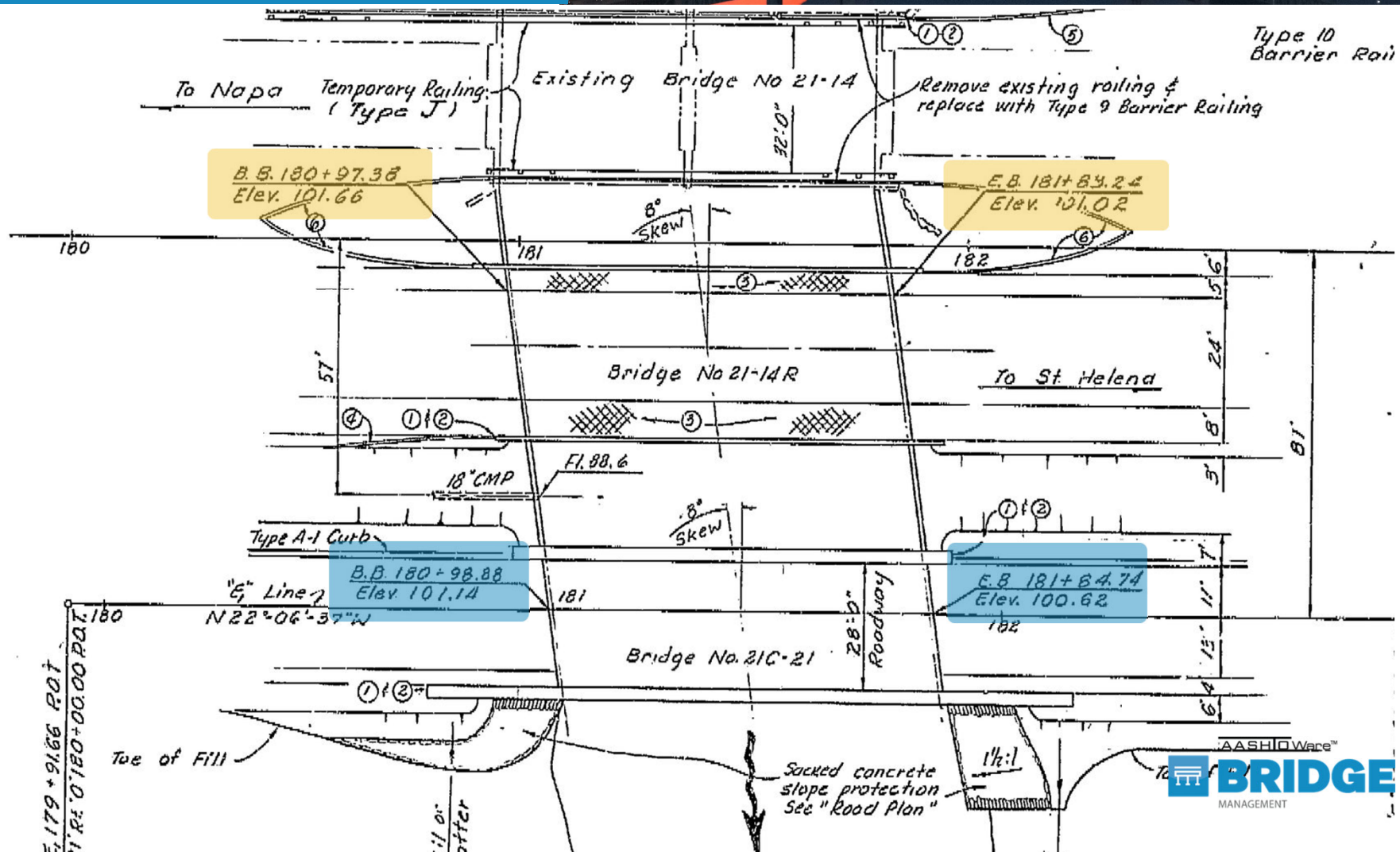
Scour Resistant Layer

 Add Structure Detail


 Save

 Cancel


Cross Sections





Cross Sections





AASHTOWare™
Bridge Management



Bridges > Inspection > Cross Sections

Cross Sections

Validation Messages 

 To view graph add structure detail points to at least one orientation

Bridge

0000000000000100



Bridge Name


Bridge 100


Bridge Nickname

Br 100

Orientation

Left View  

 Graph

 Graph Settings


Streambed Cross Sections


Scour Potential Evaluation


Structure Detail

Original Streambed Elevation

Scour Resistant Layer

 Add Structure Detail

 Save

 Cancel

Cross Sections

AASHTOWare™ Bridge Management

Bridges > Inspection > Cross Sections

Graph Line Settings

Name *
Structure Detail

Style *
Solid

Color *
#00FF00

Edit Structure Detail Detail

Orientation
Left View

Station *
180

+
97.38

Reference Curb/Rail Elevation
101.66

Deck Elevation
101.66

Bottom Footing Elevation
80

Critical Pier Scour Depth
ft

Pile Tip Elevation
ft

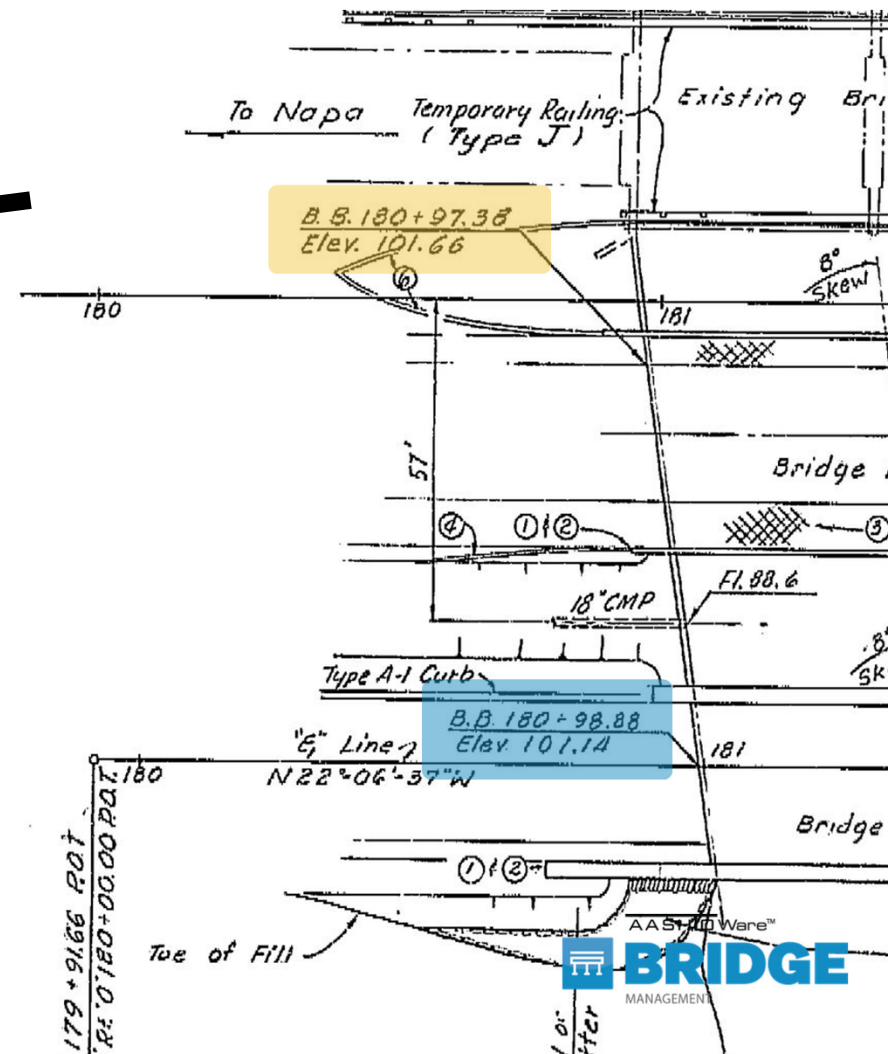
Footing Type
Spread Footing

Superstructure Thickness
3

Remarks
Abut. 1

Save Cancel Delete

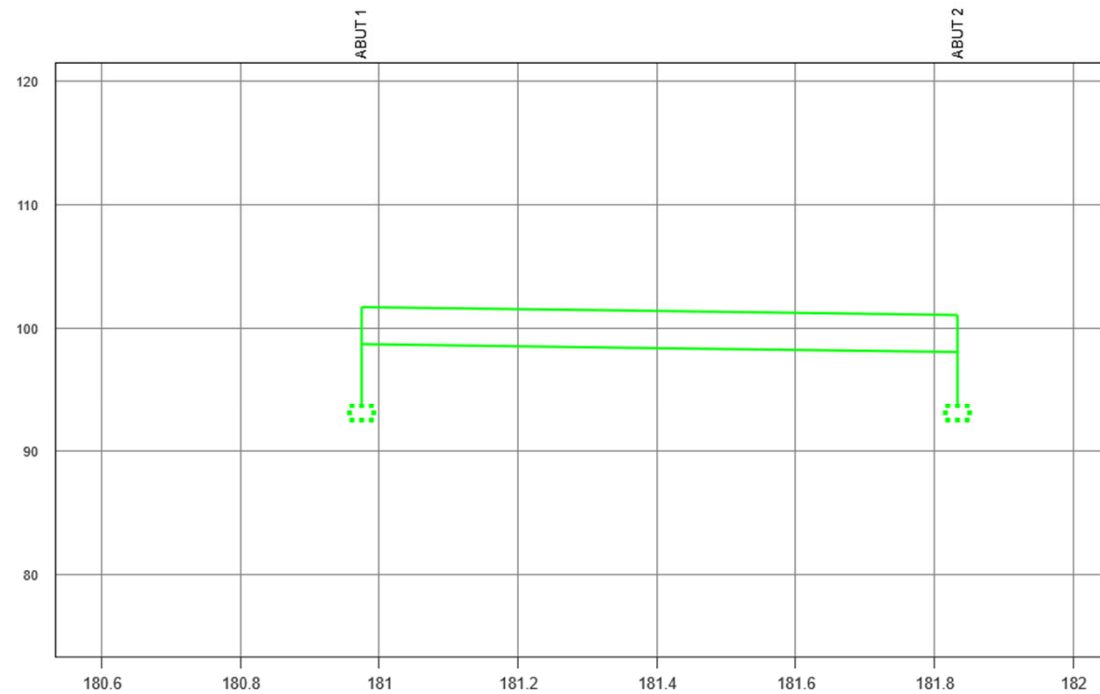
Station	Reference Curb
180 + 97.38	
181 + 83.24	



Cross Sections

Bridges » Inspection » Cross Sections

Graph Settings



BRIDGE ID: 0000000000000100
Where that one road crosses the other road.
Education Street (and Boad Ramp)
C 4 COUNTY
LEFT SIDE OF THE BRIDGE
DATA SOURCE: null
DRAW STATIONS FROM: 18097.38 ft TO: 18183.24 ft
STATION SCALE 20 ft:1 in ELEVATION SCALE 10 ft:1 in

Cross Sections

AASHTOWare™
Bridge Management

Bridges > Inspection > Cross Sections

Graph Line Settings

Name *
Structure Detail

Style *
Solid

Color *
#00FF00

Edit Structure Detail Detail

Orientation
Left View

Station *
180
Stations
+
97.38
ft

Reference Curb/Rail Elevation
101.66
ft

Deck Elevation
101.66
ft

Bottom Footing Elevation
80
ft

Critical Pier Scour Depth
ft

Pile Tip Elevation
ft

Footing Type
Spread Footing

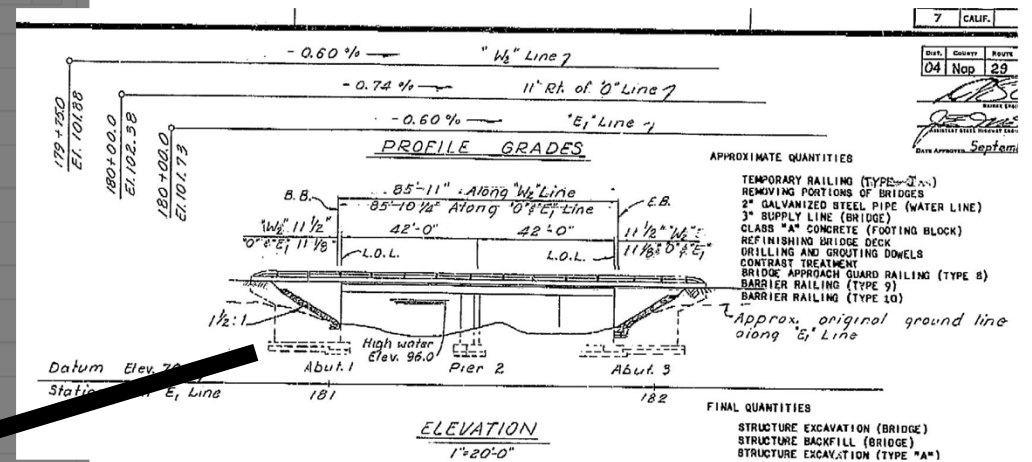
Superstructure Thickness
3
ft

Remarks
Abut. 1

Save Cancel Delete

Details

Station #	Reference Cu
180 + 97.38	
181 + 83.24	



Cross Sections

AASHTOWare™ Bridge Management

Bridges > Inspection > Cross Sections

Graph Line Settings

Name *
Structure Detail

Style *
Solid

Color *
#00FF00

Edit Structure Detail Detail

Orientation
Left View

Station *
180 Stations

+
97.38 ft

Reference Curb/Rail Elevation
101.66 ft

Deck Elevation
101.66 ft

Bottom Footing Elevation
80 ft

Critical Pier Scour Depth
ft

Pile Tip Elevation
ft

Footing Type
Spread Footing

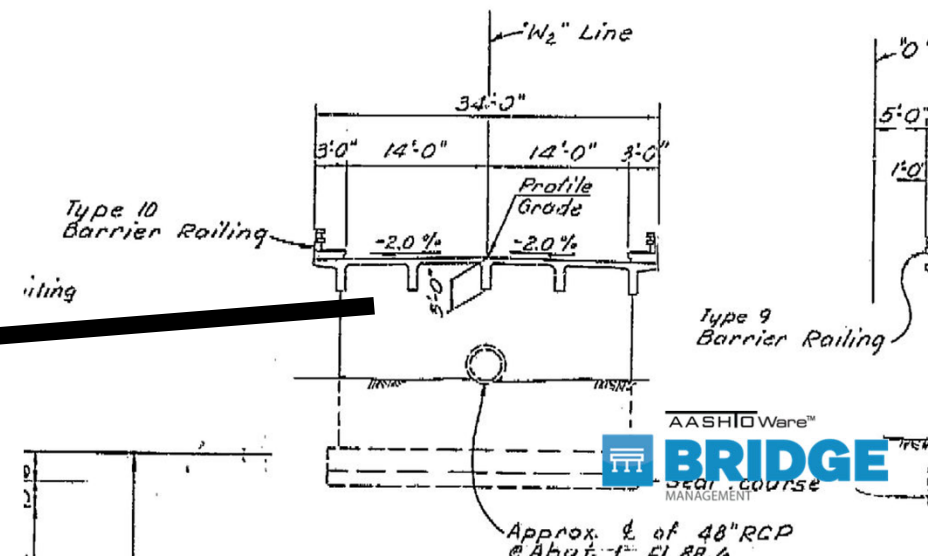
Superstructure Thickness
3 ft

Remarks
Abut. 1

Save Cancel Delete

Station # Reference Cu
180 + 97.38
181 + 83.24

(ft) Critical Pier S
80
80



Cross Sections

AASHTOWare™
Bridge Management

Bridges > Inspection > Cross Sections

Graph Line Settings

Name *

Structure Detail

Style *

Solid

Color *

#00FF00

General Information

High Water Elevation

ft

High Water Year

Unknown

Upstream Side

Unknown

Downstream Side

Unknown

Station Equation

Stations

+

ft

=

Stations

+

ft

Elevation Equation

ft

=

ft

Station Direction

Increasing

Location of Base Measurement

Bent Direction

Increasing





Elevation Basis

Assumption

Source

Details

Add New

Station ↑	Reference Curb/Rail Elevation (ft)	Deck Elevation (ft)	Bottom Footing Elevation (ft)	Critical Pier S
180 + 97.38	0	101.66		 
181 + 83.24	0	101.02		 

<<

<

1

>

>>

15

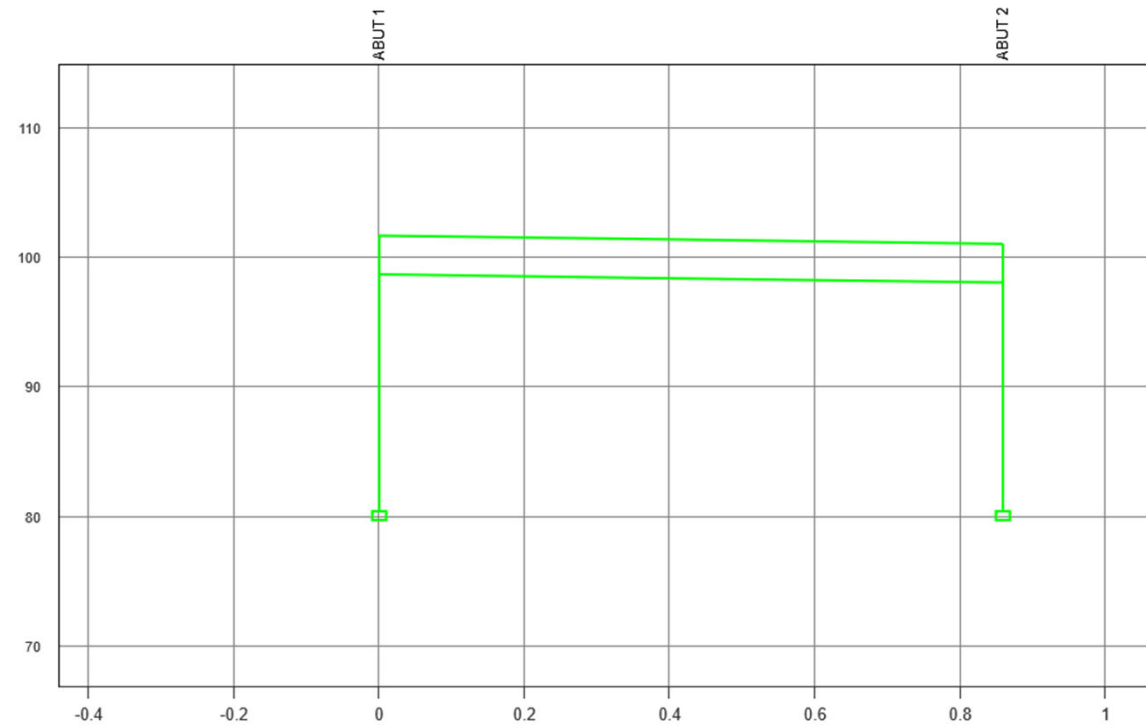
1 - 2 of 2

Save

Cancel

Cross Sections

Graph Settings



BRIDGE ID: 000000000000100
Where that one road crosses the other road.
Education Street (and Boad Ramp)
C 4 COUNTY
LEFT SIDE OF THE BRIDGE - UPSTREAM
DATA SOURCE: null
DRAW STATIONS FROM: 0 ft TO: 85.86 ft
STATION SCALE 20 ft:1 in ELEVATION SCALE 10 ft:1 in

Cross Sections

Streambed Cross Sections

Scour Potential Evaluation

Scour Resistant Layer

Offset



Save

Cancel

Create Offset

Orientation

Left View

Offset *

0

Save

Cancel

Create Month/Year

Orientation

Left View

Offset

0

Month *

Year *

Save

Cancel

Streambed Cross Sections

Scour Potential Evaluation

Structure Detail

Origin

Scour Resistant Layer

Offset



Month/Year



Add Streambed Cross Section

Save

Cancel

Cross Sections



Cross Sections



Cross Sections



Cross Sections



Cross Sections



Cross Sections

Streambed Cross Sections

Scour Potential Evaluation

Scour Resistant Layer

Offset



Save

Cancel

Create Offset

Orientation

Left View

Offset *

0

Save

Cancel

Create Month/Year

Orientation

Left View

Offset

0

Month *



Year *



Save

Cancel

Streambed Cross Sections

Scour Potential Evaluation

Structure Detail

Origin

Scour Resistant Layer

Offset



Month/Year

05/2019



Add Streambed Cross Section

Save

Cancel

GE

Cross Sections

Channel X-section/SMS10011X

Bridge No. 21C0020 Structure Name DRY CREEK Location JUST SOUTH OF DARM 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

Layout Formulas Data Review View Automate Developer Help Acrobat

Font Alignment Number Styles

Face of Abutment

	Feet	Horizontal	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	

Channel X-section/SMS10011x

Bridge No. Structure Name Location Insp Date

Channel X-Section

Profile: ☒ Upstream ☐ Downstream

X-Sect Date:

Measured From:

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.

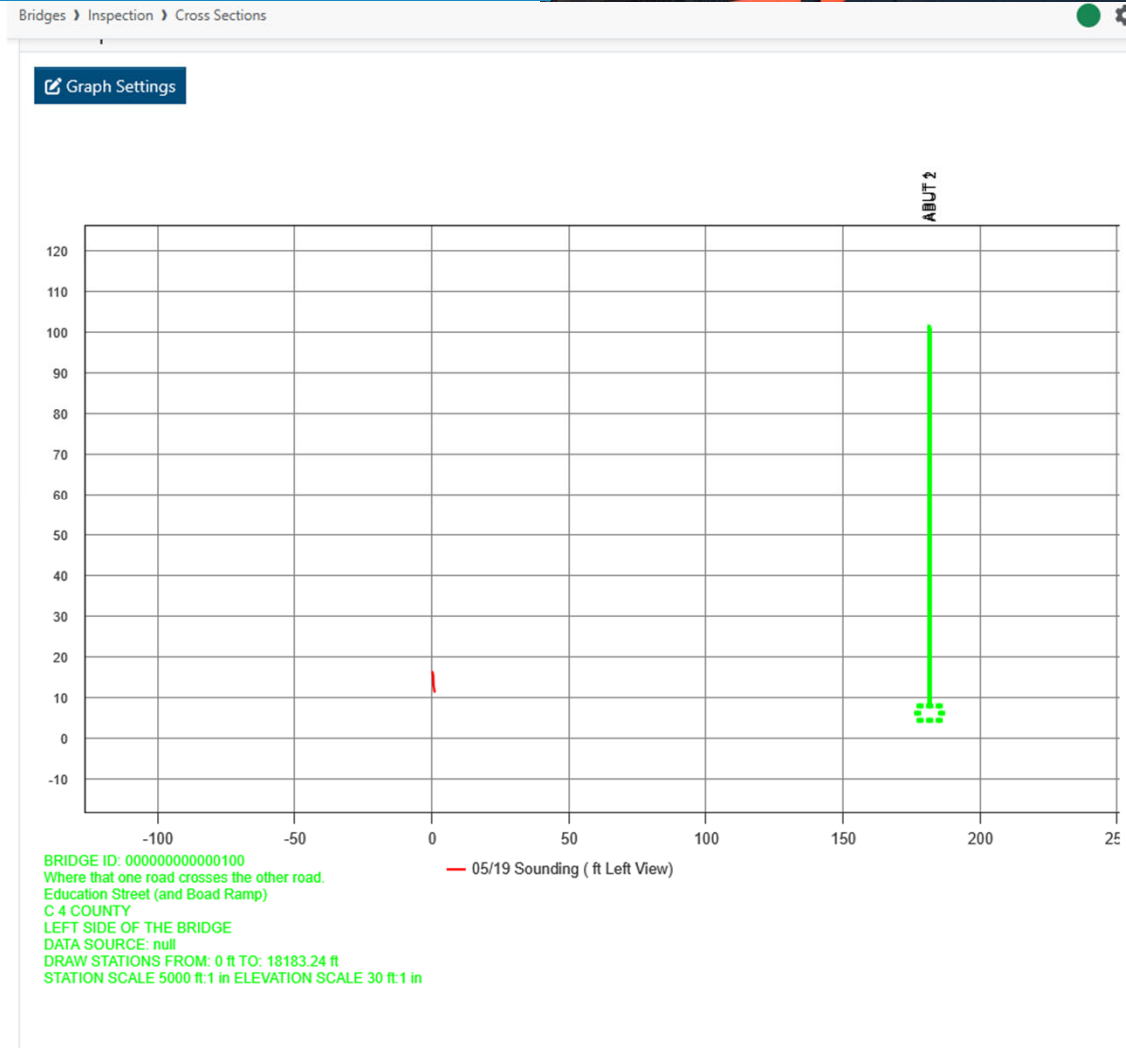
Book1 - Excel

Search

Layout Formulas Data Review View Automate Developer Help Acrobat

[illegible]

Cross Sections



Cross Sections

Bridges > Inspection > Cross Sections

Graph Line Settings

Name *

Structure Detail

Style *

Solid

Color *

#00FF00

General Information

High Water Elevation

ft

Elevation Equation

ft

=

High Water Year

Unknown

ft

Upstream Side

Left

Station Direction

Increasing

Downstream Side

Right

Location of Base Measurement

Bent Direction

Increasing

Elevation Basis

Plans

Source

Station Equation

180

Stations

+

97.38

ft

=

0

Stations

+

0

ft

Details

Add New

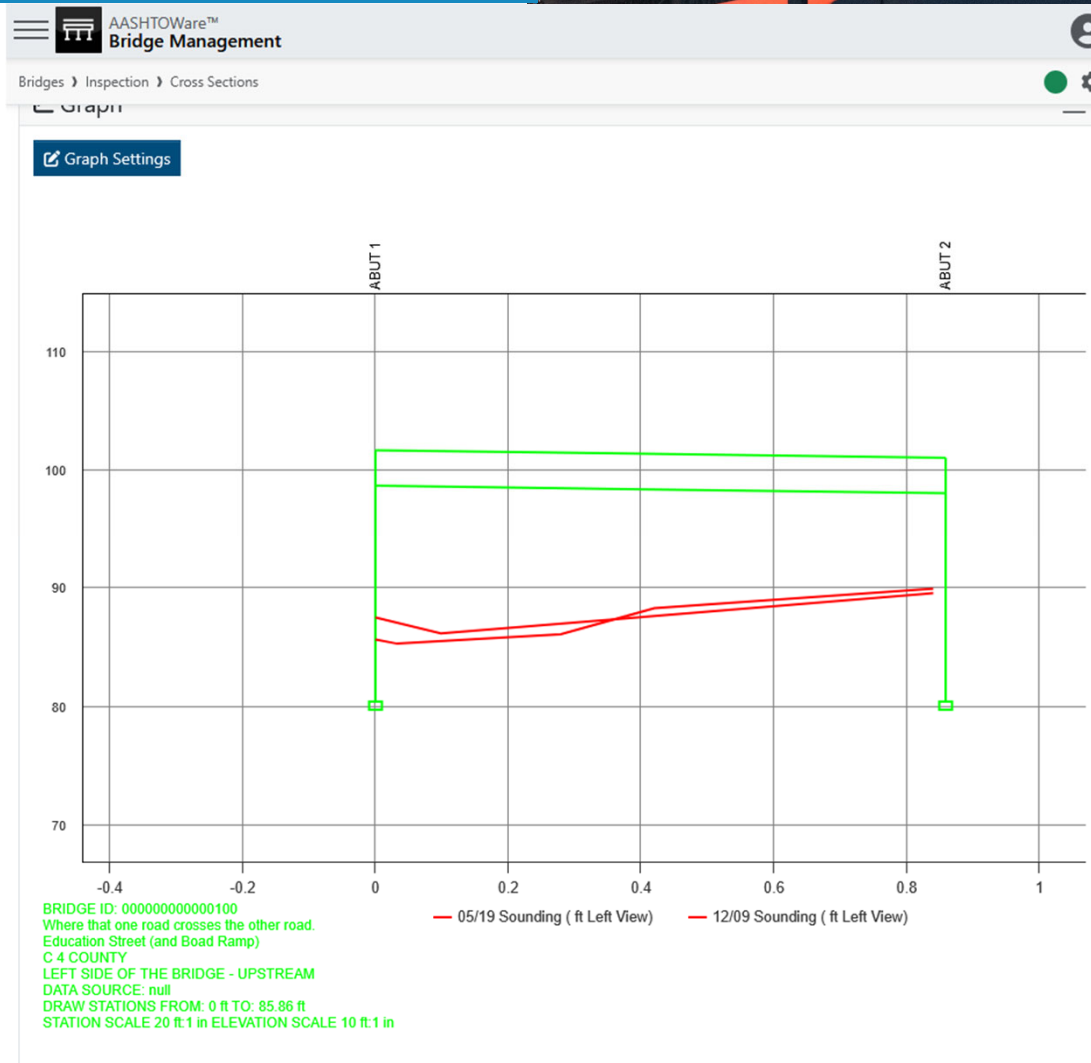
Station ↑	Reference Curb/Rail Elevation (ft)	Deck Elevation (ft)	Bottom Footing Elevation (ft)	Critical Pier S
180 + 97.38	101.66	101.66	80	 
181 + 83.24	101.02	101.02	80	 

<< < 1 > >> 15 1 - 2 of 2

This session

The global
base measure

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		 

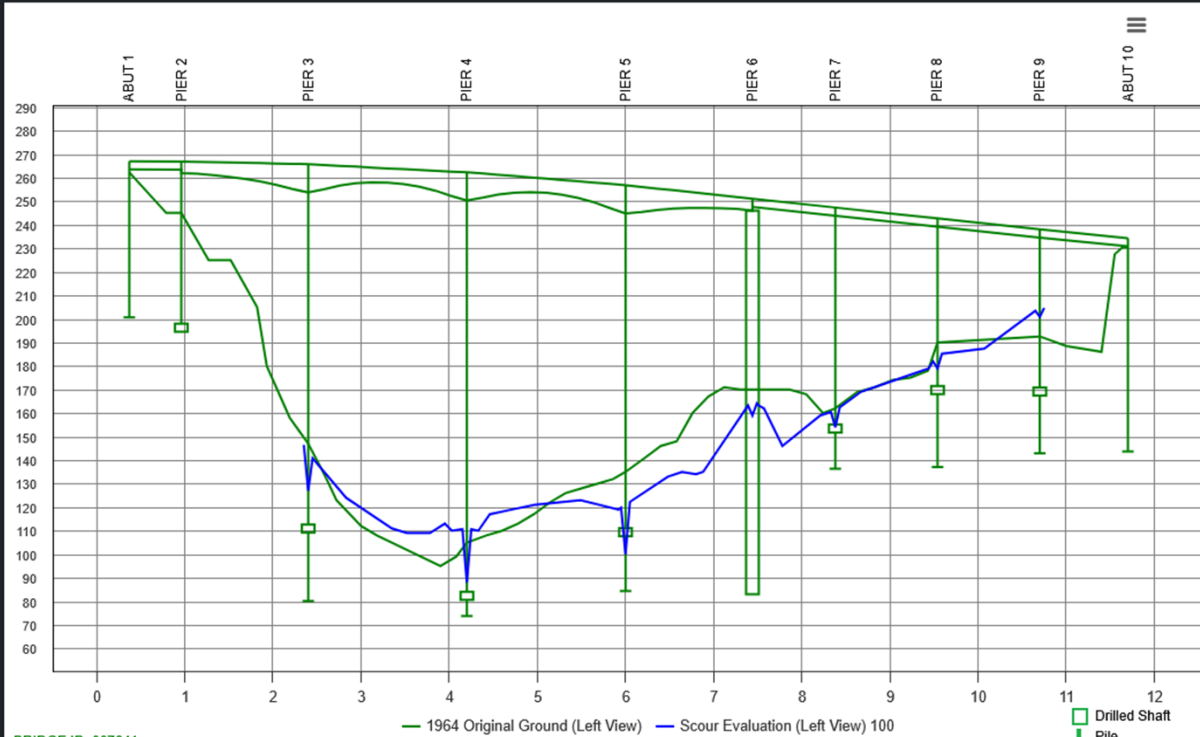
<< < 1 > >> 1 - 2 of 2 15 ▾

 Save  Cancel

Cross Sections

Graph

Graph Settings



BRIDGE ID: 007641
 EUFAULA-GA ST LINE
 CHATTAHOOCHEE RIVER
 005 COUNTY
 LEFT SIDE OF THE BRIDGE - UPSTREAM
 DATA SOURCE: PLANS
 DRAW STATIONS FROM: 36.51 ft TO: 1169.51 ft
 STATION SCALE 150 ft:1 in ELEVATION SCALE 50 ft:1 in

Drilled Shaft
 Pile
 Pile Footing
 Spread

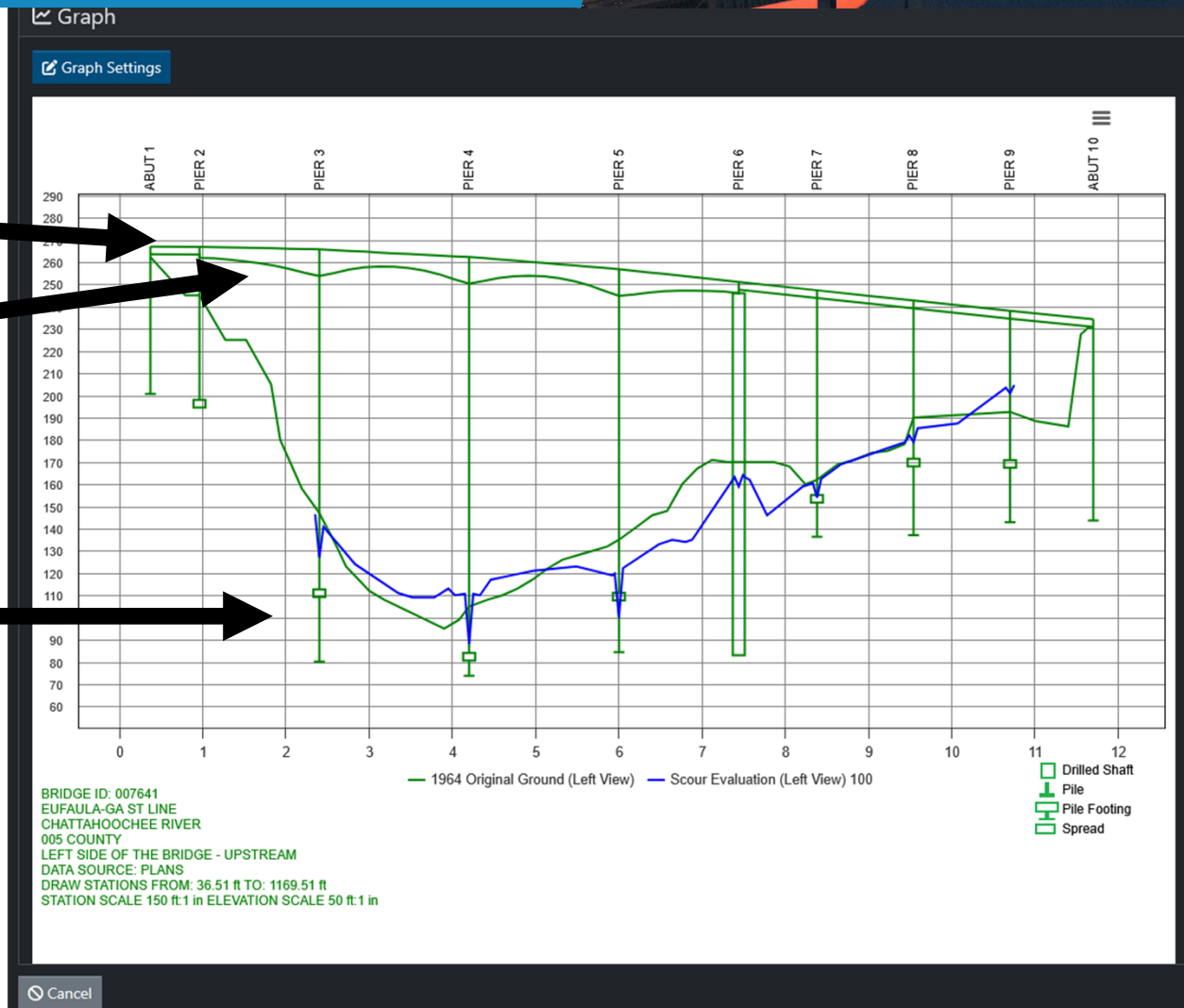
Cancel

Cross Sections

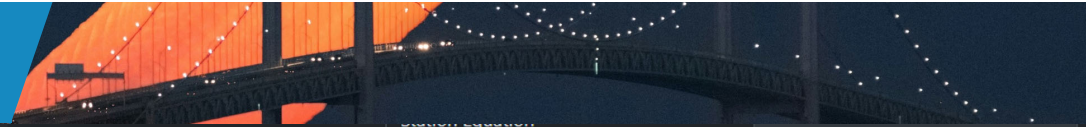
Curved deck

Detailed beam
thickness

Every foundation
type

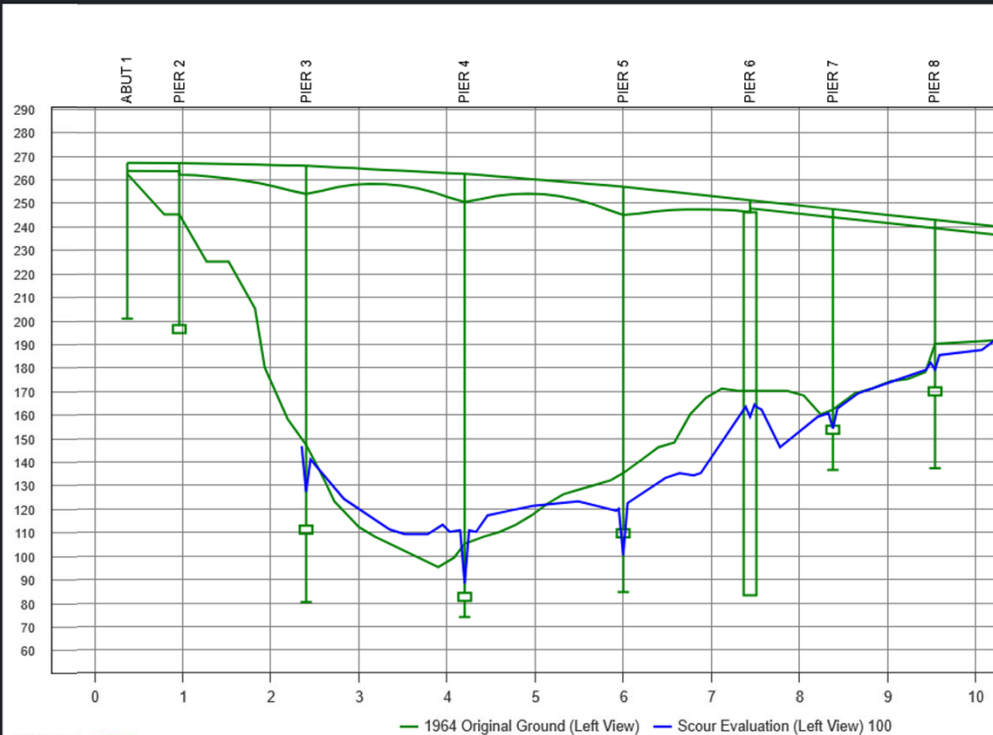


Cross Sections



Graph

Graph Settings



BRIDGE ID: 007641
EUFAULA-GA ST LINE
CHATTAHOOCHEE RIVER
005 COUNTY
LEFT SIDE OF THE BRIDGE - UPSTREAM
DATA SOURCE: PLANS
DRAW STATIONS FROM: 36.51 ft TO: 1169.51 ft
STATION SCALE 150 ft:1 in ELEVATION SCALE 50 ft:1 in

Station Equation

0 Stations Increasing

+ 0 ft Elevation Basis Plans

= 0 Stations Source PLANS

+ 36.5092 ft

Details

Station ↑	Reference Curb/Rail Elevation (ft)	Deck Elevation (ft)	Bottom Footing Elevation (ft)	Critical Pier Scour Depth (ft)
0 + 0	267.0013	267.0013		
0 + 58.9993	266.9193	266.9193		196.2795
0 + 59.101	266.9193	266.9193		196.2795
0 + 77.0013	266.7815	266.7815		
0 + 95	266.6404	266.6404		
1 + 12.9987	266.4993	266.4993		
1 + 31.0007	266.3615	266.3615		
1 + 48.9993	266.2106	266.2106		
1 + 67.0013	266.0597	266.0597		
1 + 85	265.9088	265.9088		
2 + 2.9003	265.7612	265.7612		
2 + 2.9987	265.7612	265.7612		110.9514
2 + 3.1004	265.7612	265.7612		110.9514
2 + 21.0007	265.4199	265.4199		

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

Cancel

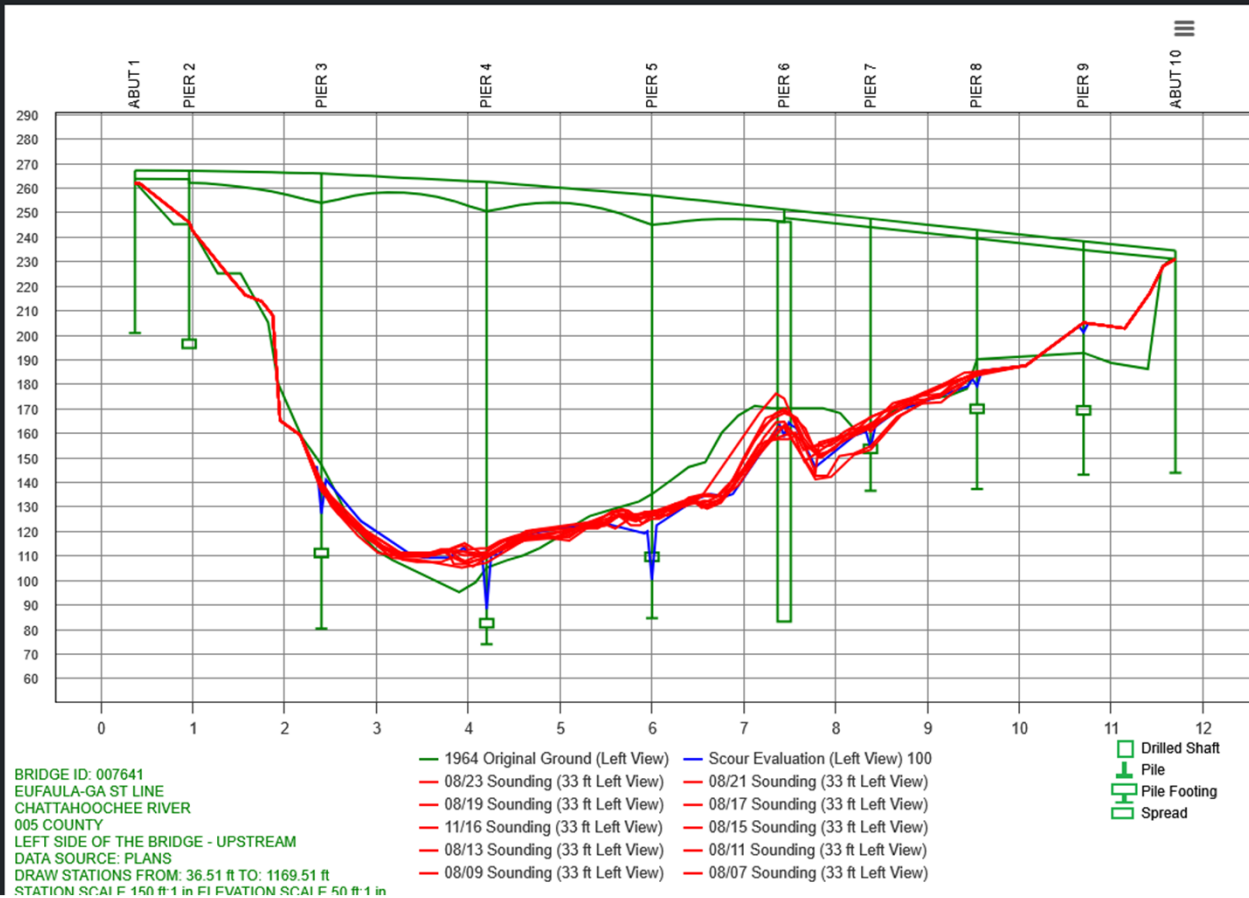
Cancel

Cross Sections

Bridges > Inspection > Cross Sections

Graph

Graph Settings

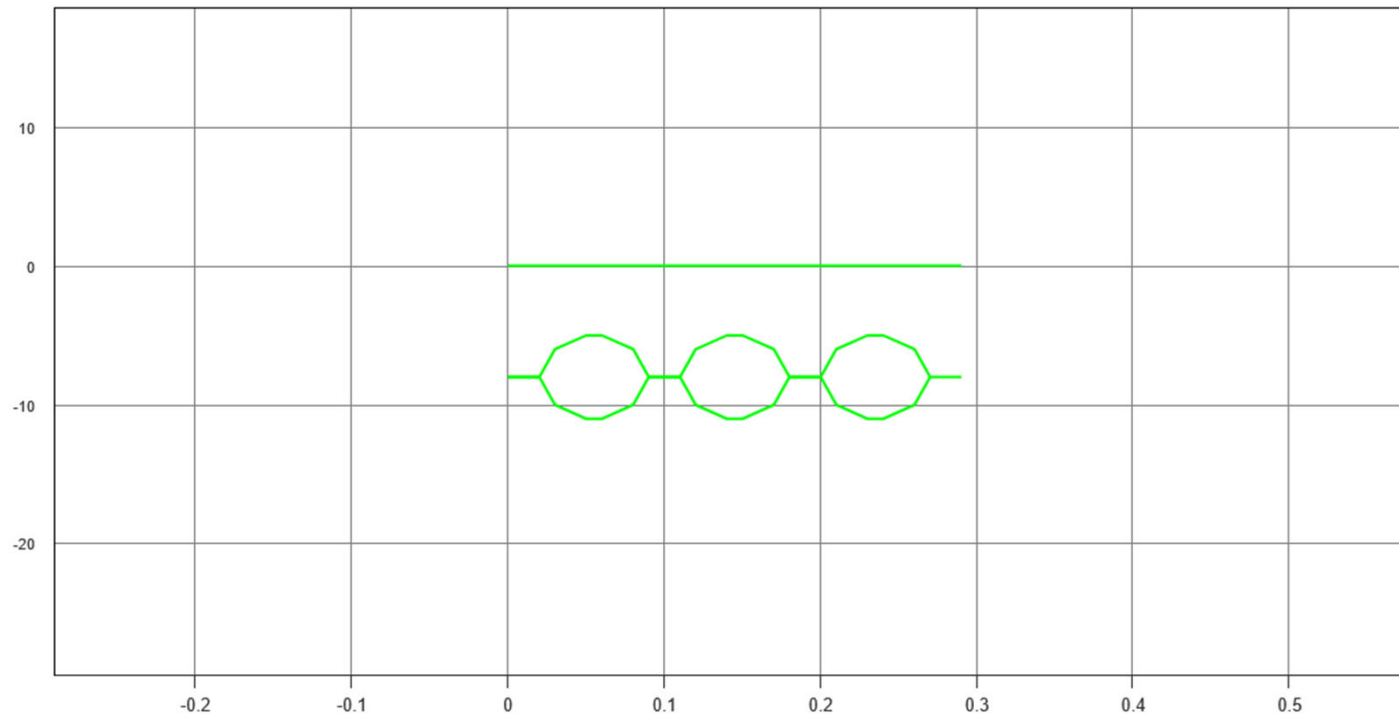


Cross Sections

Bridges » Inspection » Cross Sections

Graph

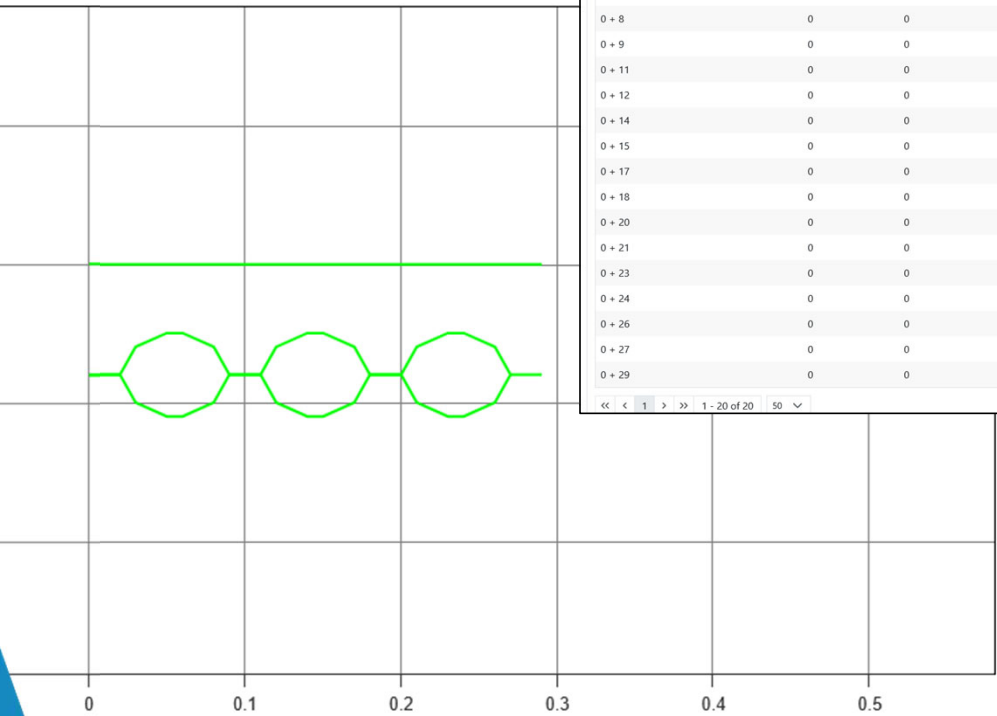
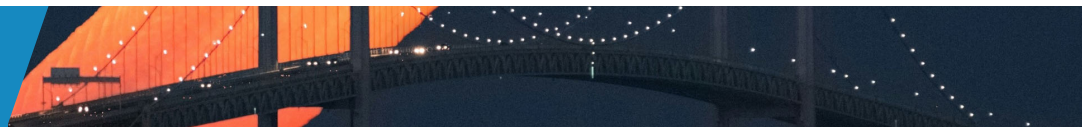
Graph Settings



BRIDGE ID: 000000000000101
Location 132
Gooseneck Brook

— null Original Ground (Left View)

Cross Sections



— null Original Ground (Left View)

Bridges > Inspection > Cross Sections

Station File	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 v

Structure Detail thicknesses

Bridges > Inspection > Cross Sections

Details

Add New

Station File	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	
0 + 27	10	
0 + 29	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



CONTACT



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Text | Voice mail | (801) 450-9716



BrM @ mayvue.com
1-877-462-9883

 Jira Service Desk

<http://support.mayvue.com>

The background of the event flyer is a photograph of an outdoor patio area. There are several orange plastic chairs and small round tables. In the background, there are blue umbrellas and a brick building. A semi-transparent blue rectangle is overlaid on the center of the image, containing the event details.

 **MAYVUE**

ANNUAL SOCIAL EVENT

Tuesday, September 9 at 6:00 PM
Providence Marriott Downtown – Hotel Poolside

BrMUG 2025 | Providence, RI | September 17-18



Photo by Evan Leith on Unsplash