



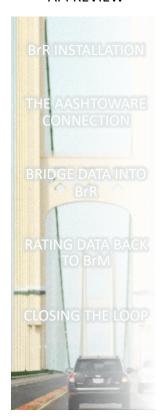
API REVIEW



API REVIEW



API REVIEW



API REVIEW







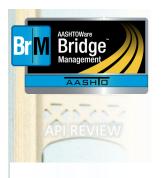


API REVIEW

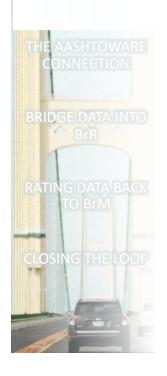


API REVIEW

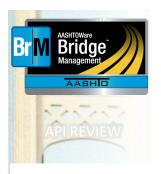
```
GET https://BrMWebsite.gov/BrM6/rest/bridge?l=brr
                                                         HTTP/1.1
{"TotalRows": 1120,
"Items":
[{BRIDGE_GD: "BFB20F07802040FB912558045D8D8FE1 ",
  BRIDGE_ID: "00100",
  STRUCT_NUM: "000000000000010",
  STRUCNAME: "Mystery Bridge",
  BRIDGE_STATUS: "3"},
{...}, ... ]}
                      GET https://BrMWebsite.gov/BrM6/api/Bridge/
          GetBrRBridgeDetail/BFB20F07802040FB912558045D8D8FE1
                                                         HTTP/1.1
{BRIDGE_GD: "BFB20F07802040FB912558045D8D8FE1 ",
  BRIDGE_ID: "00100",
  LENGTH: 1000,
  STRUCNAME: "Mystery Bridge",
  DISTRICT: "04",
  ... <etc> }
                 GET https://BrMWebsite.gov/BrM6/rest/LrVehicleDefs
                                                         HTTP/1.1
{"TotalRows": 15,
"Items": [ {LR_VEHICLE_DEFS_GD: "BFB20F07802040FB912558045D8D8
FE1 ",
  VEHICLE_NAME: "SHV 1",
  ...}, ... ]}
```

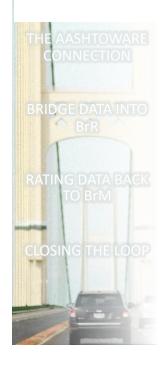


Brr Installation



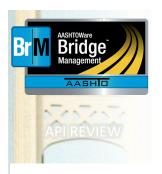
BrR INSTALLATION







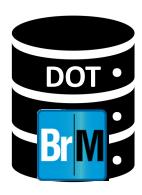


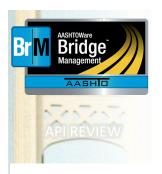


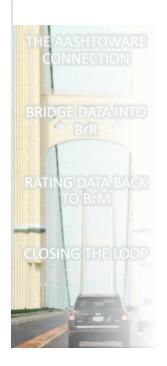


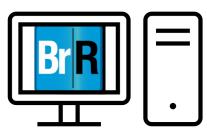










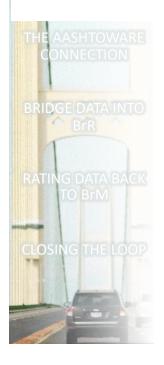






Briv Bridge Bridge Management AASHID

Brr Installation

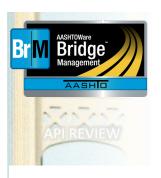




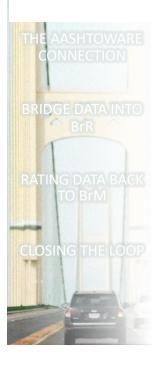




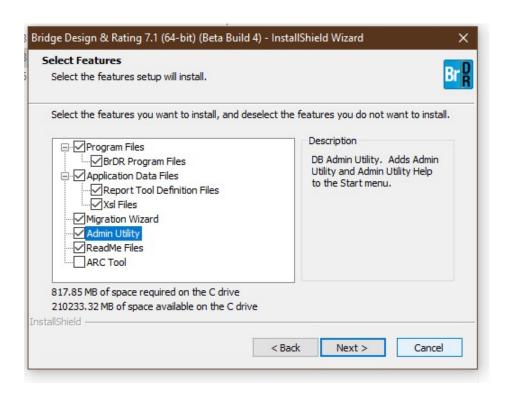




Brr Installation



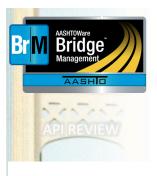
BrR INSTALLATION







200	rties		- 60	
Enable Check-In/Check-Out Bridge Repository			☐ Bridge Exchange	
Enable Bridge Protection Enable Load Ra		ng Tool 📝 Enable Bridge Managemen		able Bridge Management
atabase access	role settings			
	Role name	Pass	word	Confirm password
ead only role:	VIRTIS_USER_READ_ONLY_ROLE			
ead/write role:	VIRTIS_USER_READ_WRITE_ROLE	•••••	•••	•••••
		Show	password	
atabase cleanu	up ————————————————————————————————————			
	event cleanup			
- Modification				
- Modification	event cleanup			Clean now
Modification Clean even	event cleanup nts older than 0 days ast 0 events in the event chain			Clean now



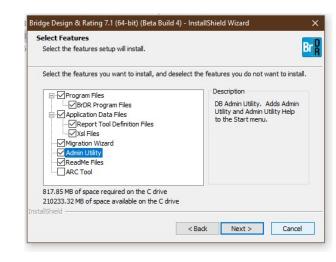
Brr Installation

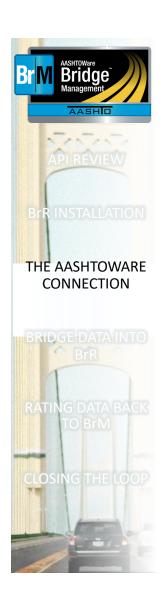


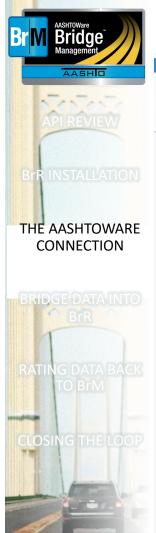
Brr Installation

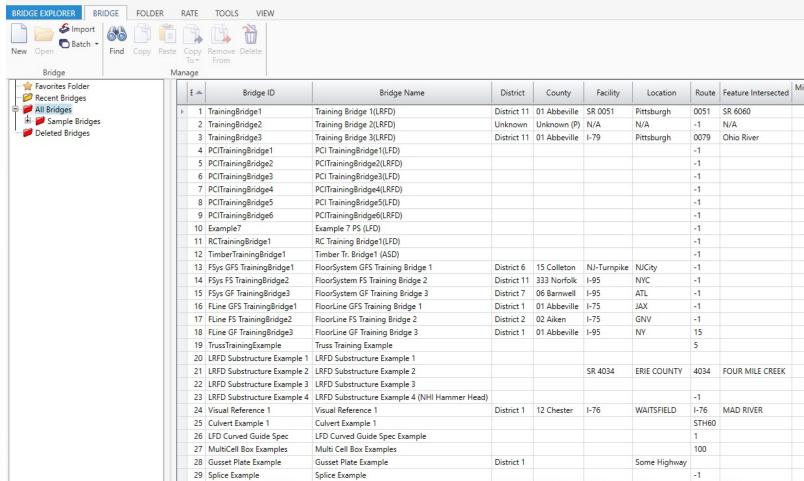
A USER WILL NEED:

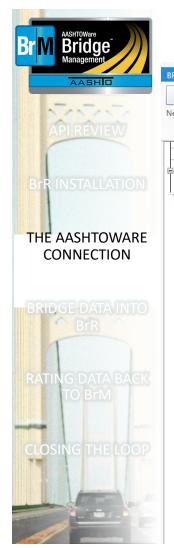
- 1. An internet connection
- 2. A BrM Login
- 3. BrR installed (including Admin Utility)

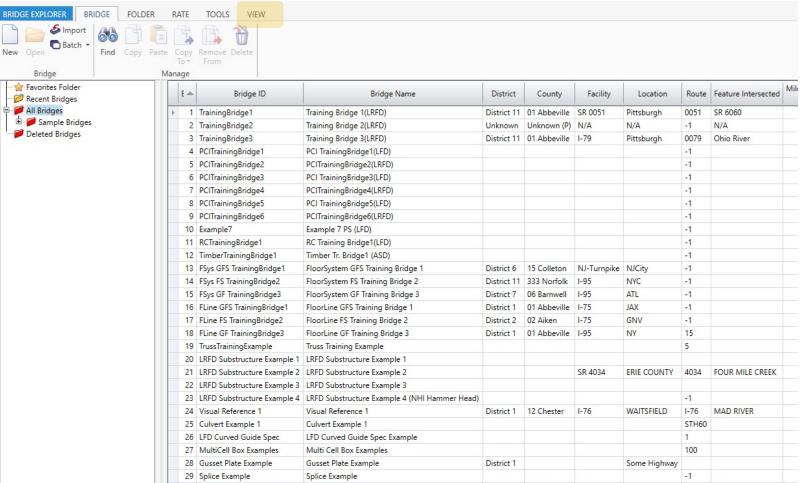


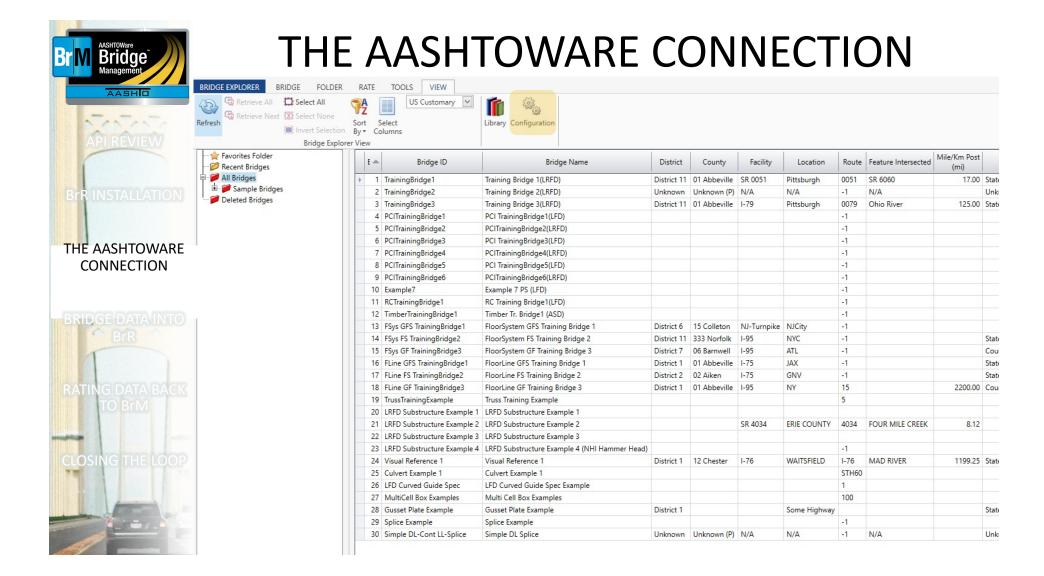


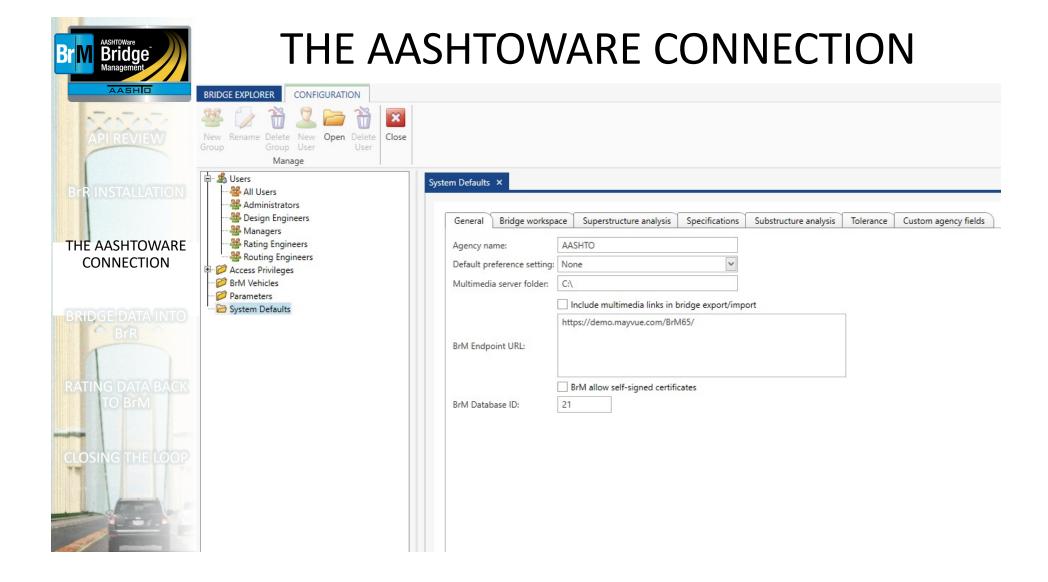


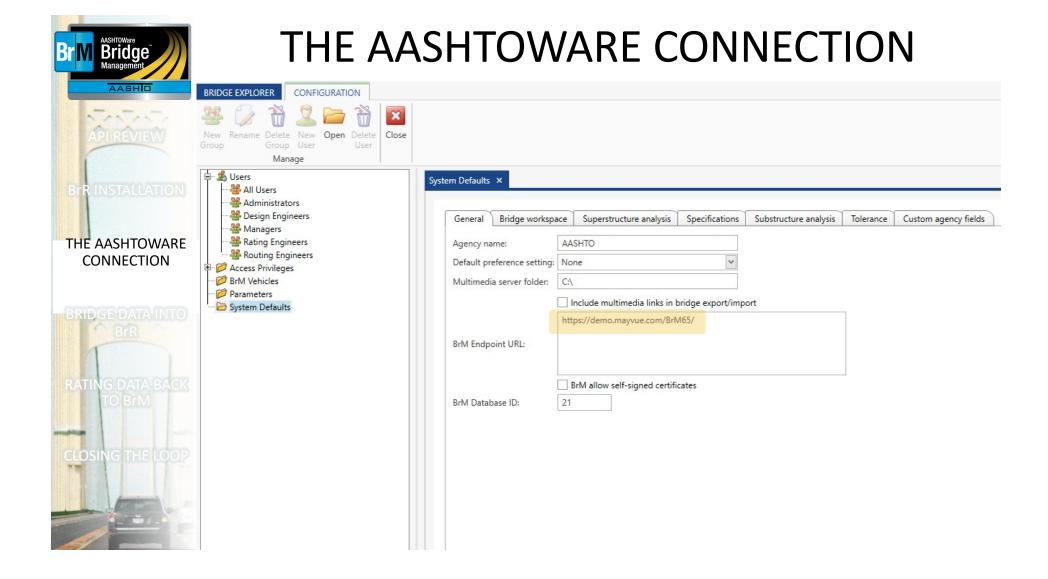


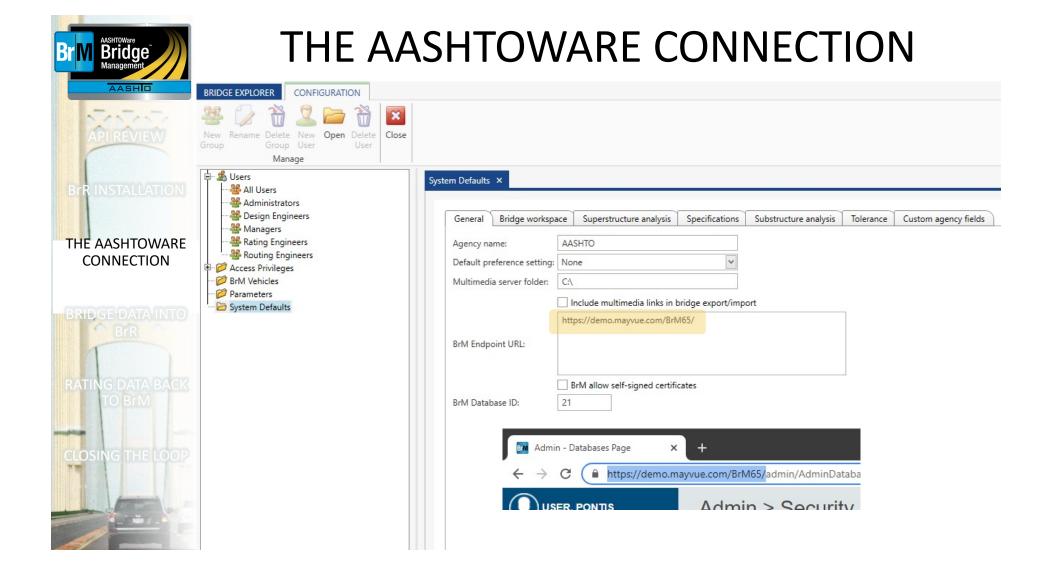


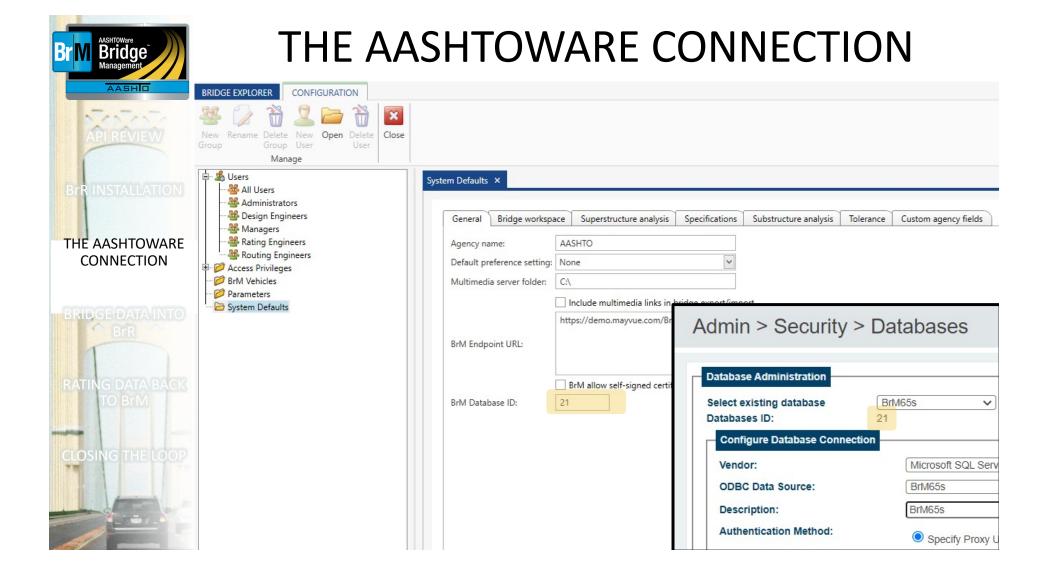


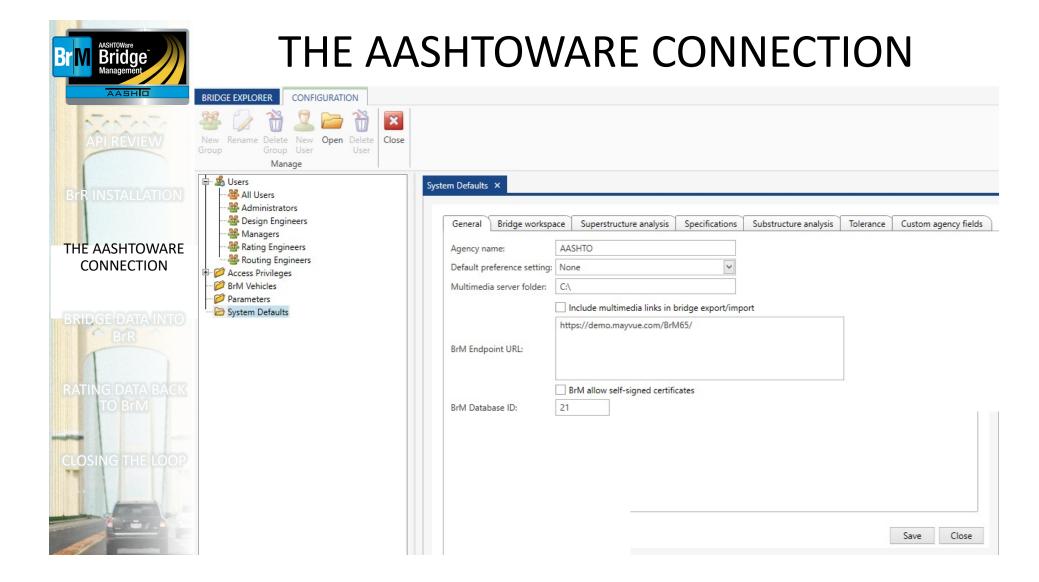


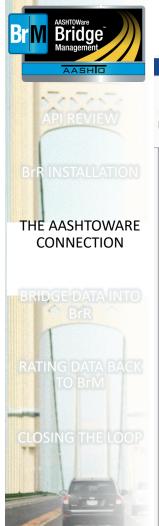


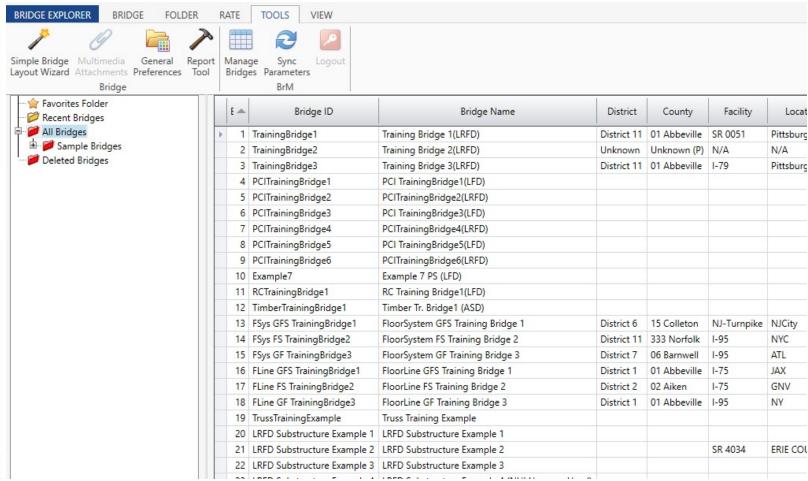


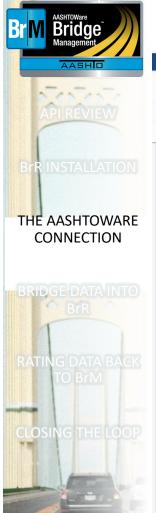


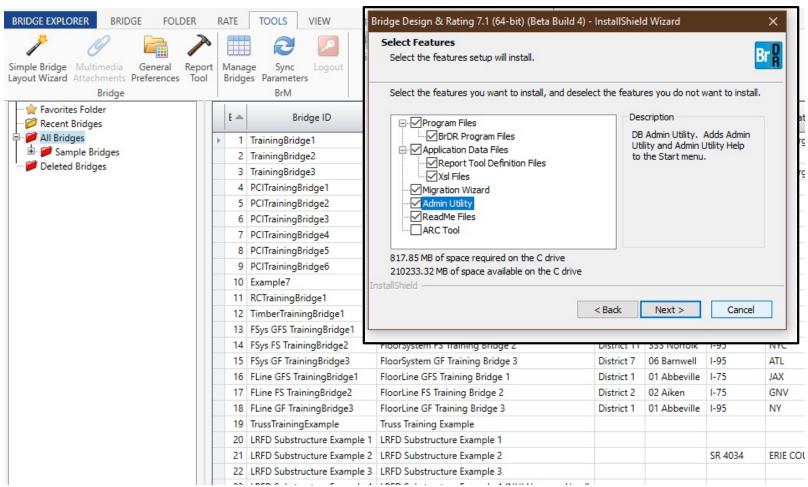




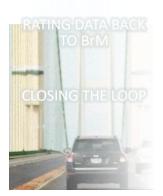




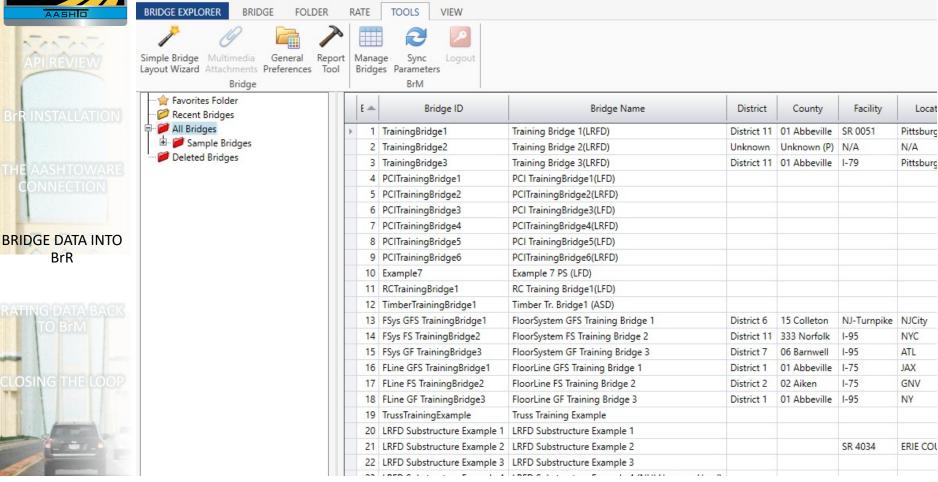




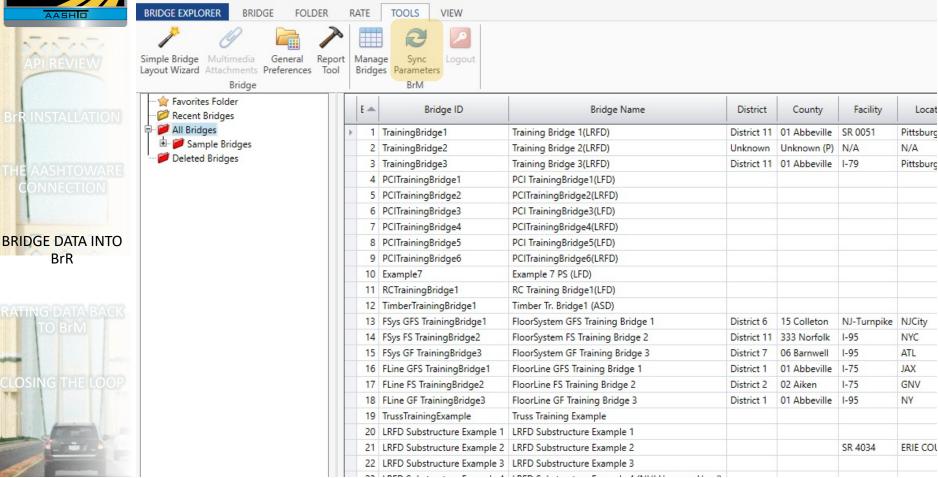


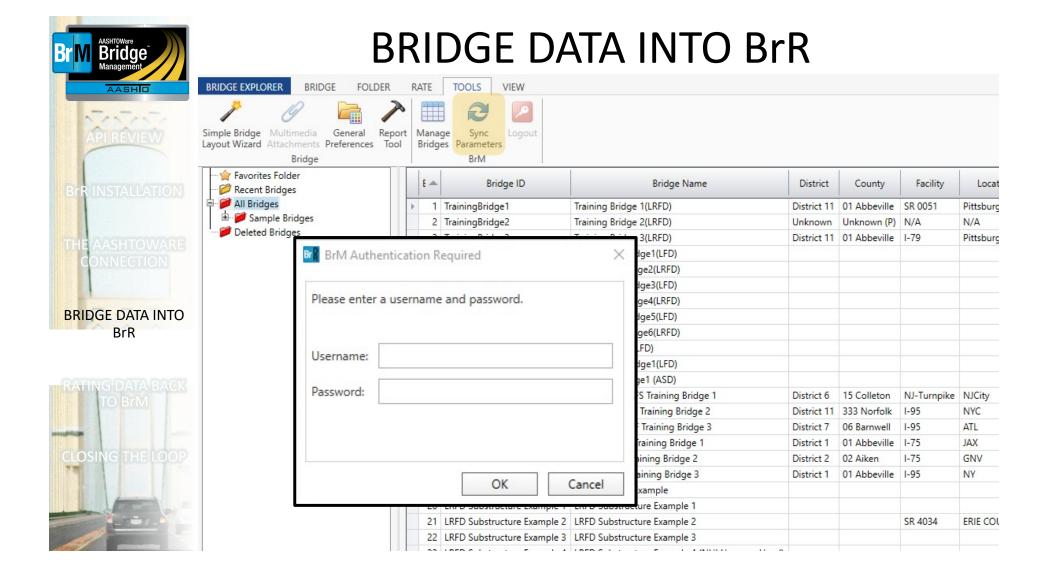


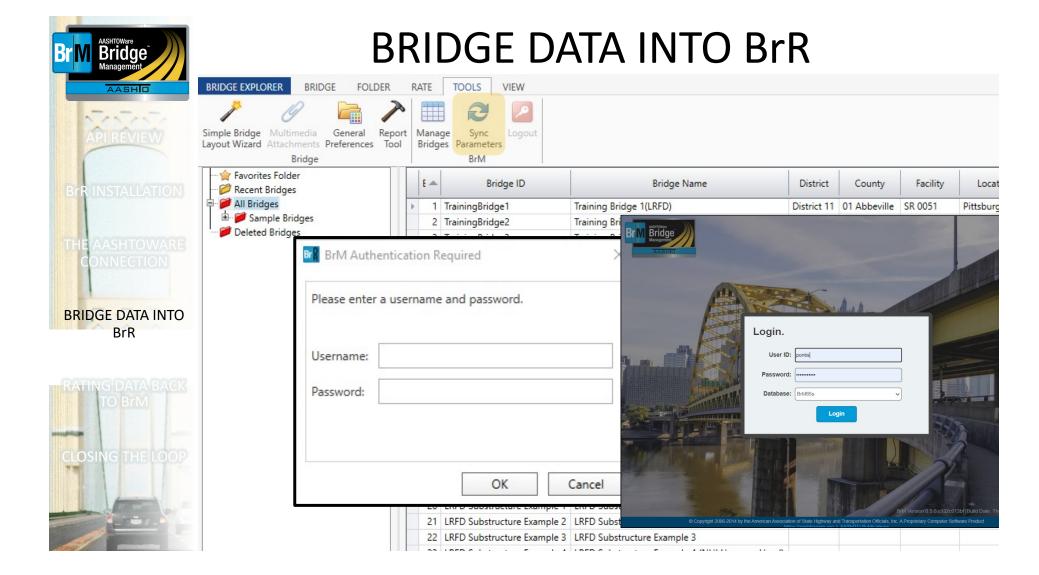


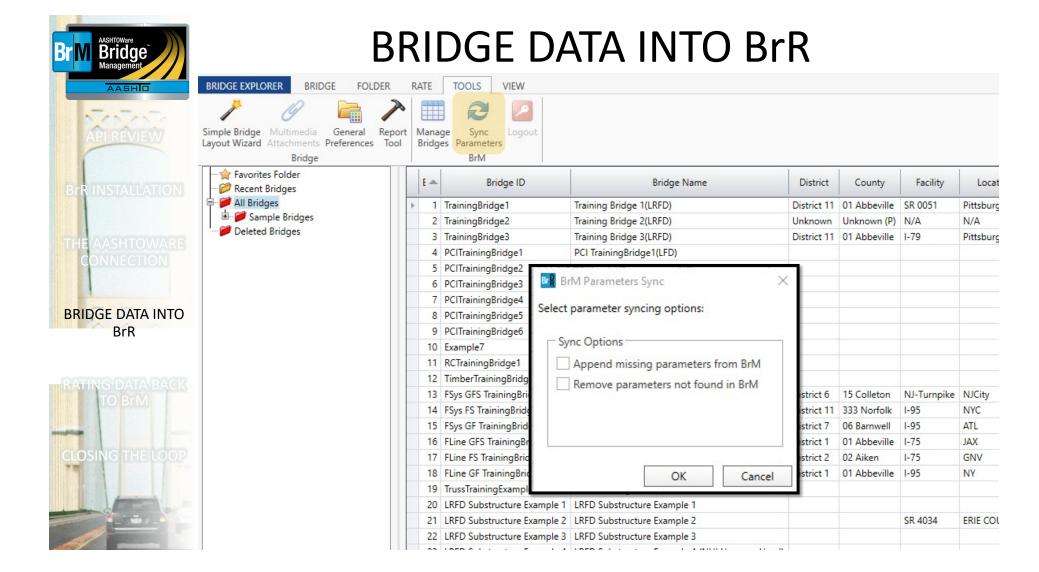




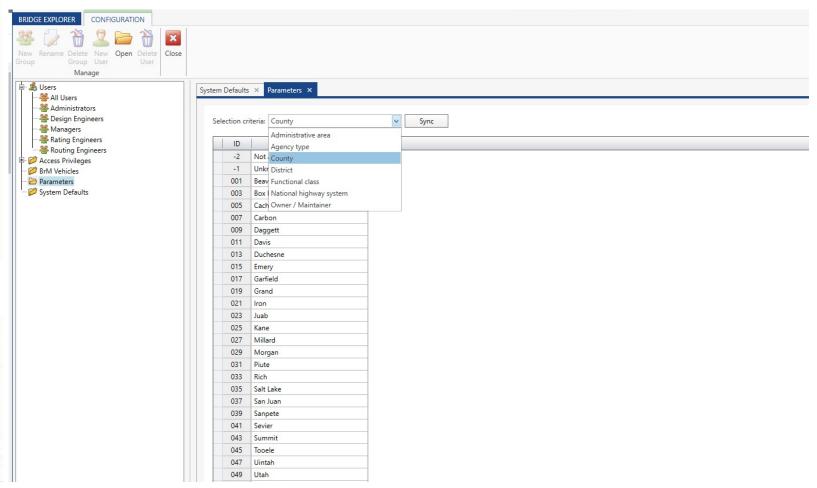


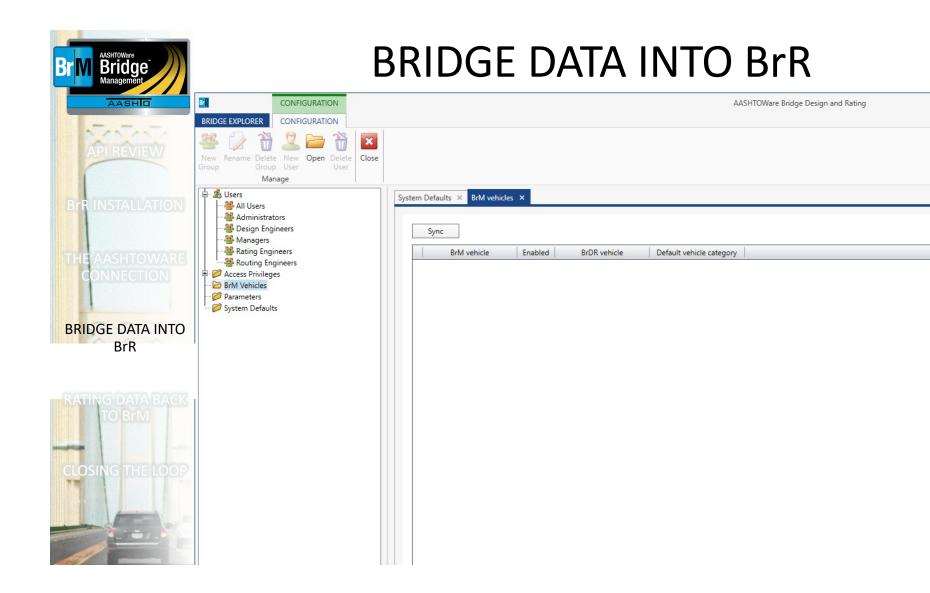


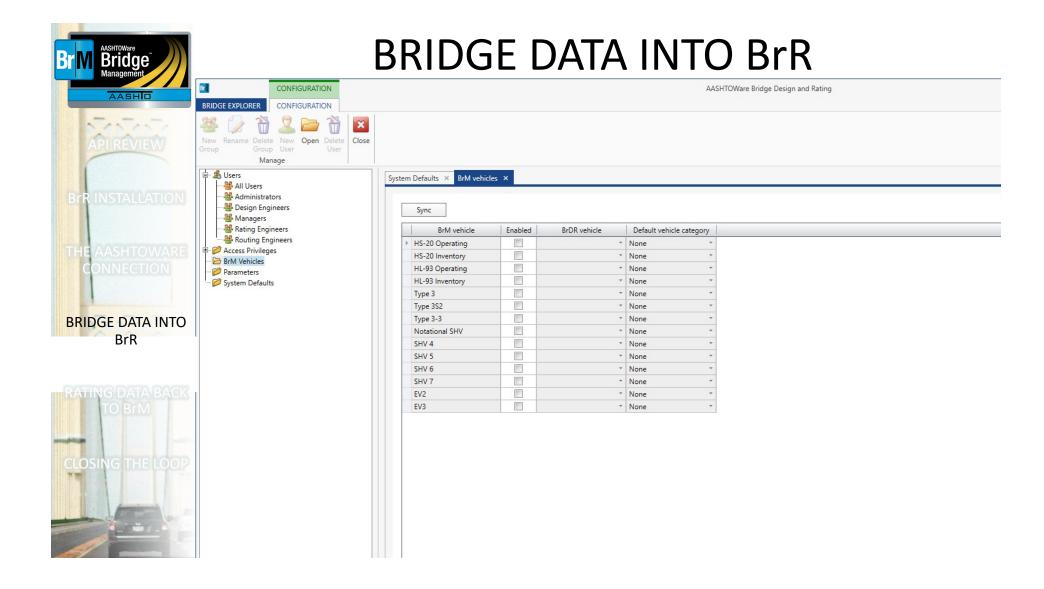


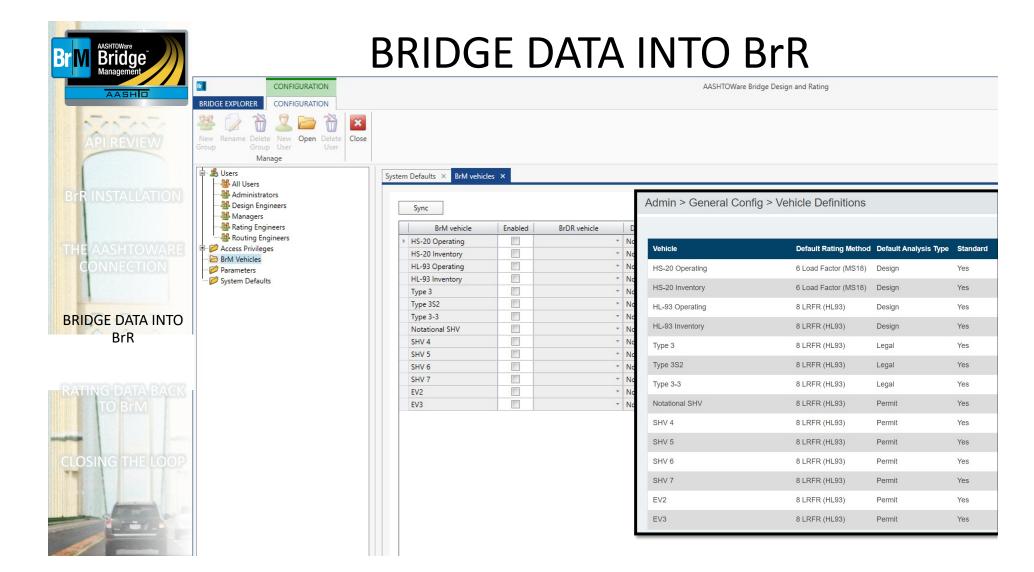


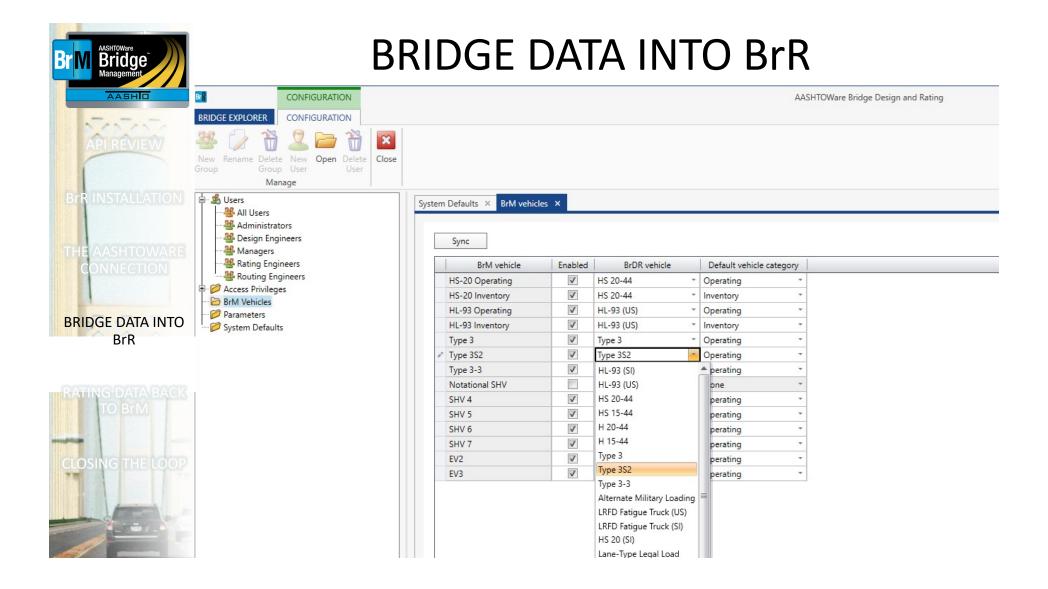


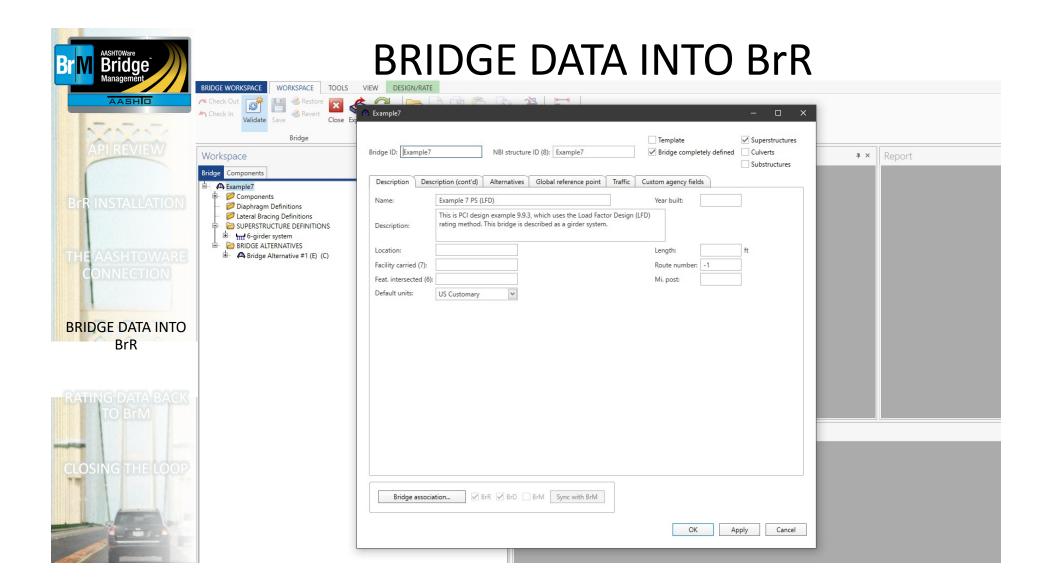


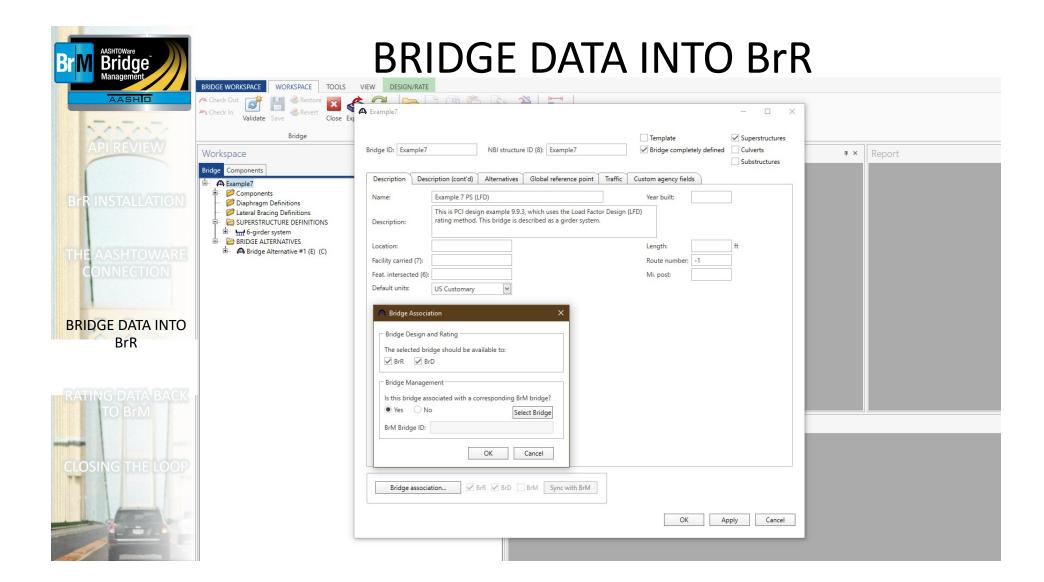


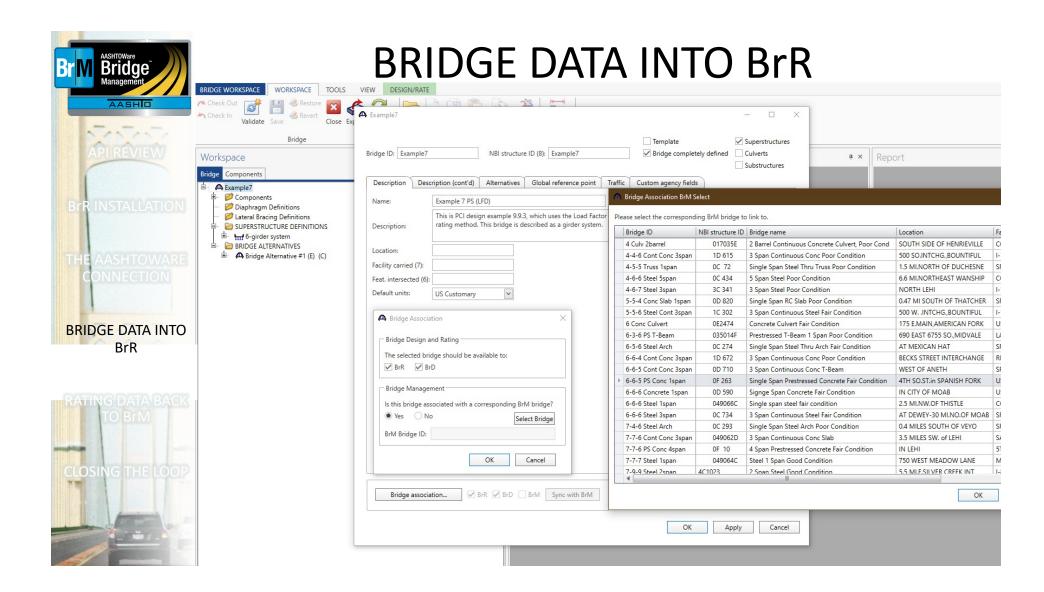












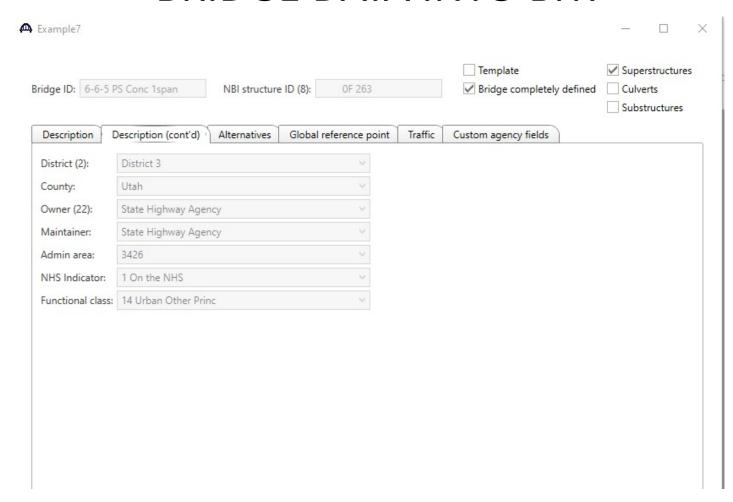


RATING DATA BACK TO BrM CLOSING THE LOOP

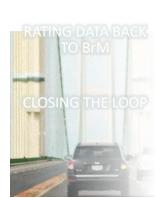
Name: Single						
	e Span Prestressed Concr	ete Fair Condition		Year built:	1971	
		3, which uses the Load Fact described as a girder system		FD)		
ocation: 4TH S	SO.ST.in SPANISH FOF			Length:	103.82	ft
Facility carried (7): US-6	(SR-6)		Route number:			
Feat. intersected (6): SR-14	47			Mi. post:	174.41	
Default units: US Cu	ustomary					



RATING DATA BACK TO BrM CLOSING THE LOOP

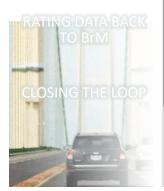






Example7								_		×
Bridge ID: 6-6-5 PS Conc 1span		NBI structure ID (8): 0F 263				☐ Template ✓ Bridge completely defined	✓ Superstructures ☐ Culverts ☐ Substructures		5	
Description	Descripti	ion (cont'd)	Alternatives	Global r	reference point	Traffic	Custom agency fields			222
X:	0.00	ft								
Y:	0.00	ft								
Elevation:		ft								
Longitude:	111.64	Degrees								
Latitude:	40.12	Degrees								
В	ridge associat	ion	BrR ✓ BrD ✓	BrM :	Sync with BrM					
									-	0
							OK Appl	y C	ancel	



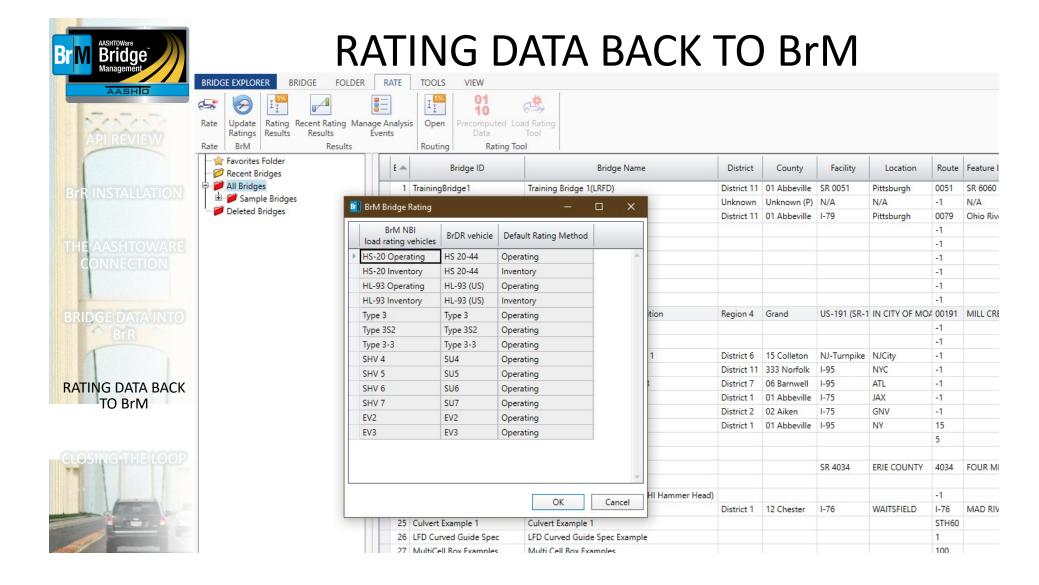


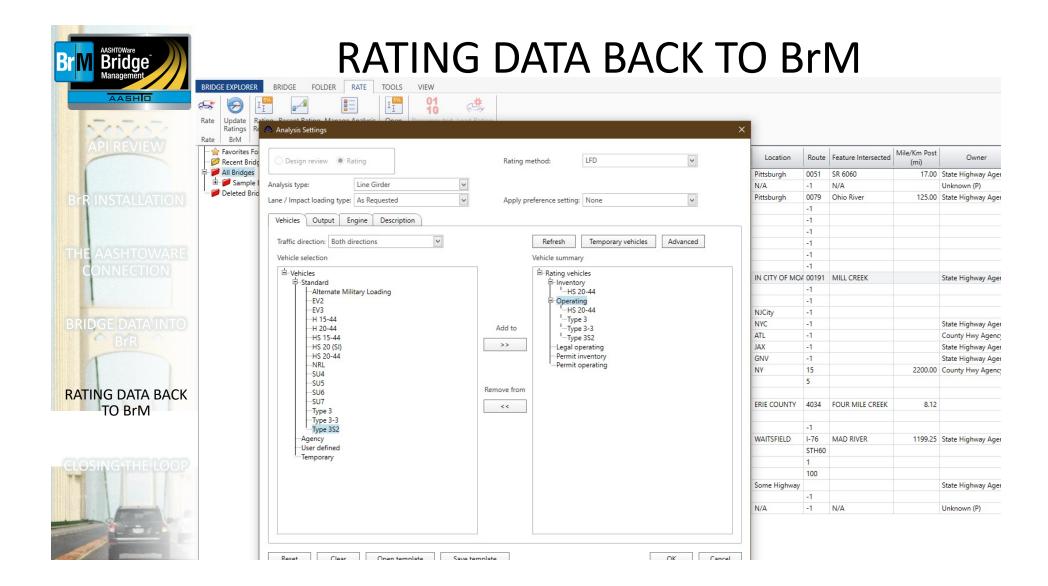
				Template	✓ Superstructure:
idge ID: 6-6-5 PS Conc 1span	NBI structure	e ID (8): 0F 263		✓ Bridge completely defined	Culverts
				E	Substructures
Description Description (cont	d) Alternatives	Global reference point	Traffic	Custom agency fields	
Truck PCT:	31 %				
ADT:	21941				
Directional PCT:	%				
Recent ADTT:		Compute			
Design ADTT:					
Exp. annual ADTT _{SL} growth rate:					
Fatigue importance factor:	Main Arterial, Inte	erstate, Other	~		
	Importance fac	tor override			
(ADTT _{SL}) ₀ :					
(ADTT _{SL}) _{PRESENT} :					
(ADTT _{SL}) _{LIMIT} :					
Bridge association	✓ BrR ✓ BrD ✓	BrM Sync with BrM			



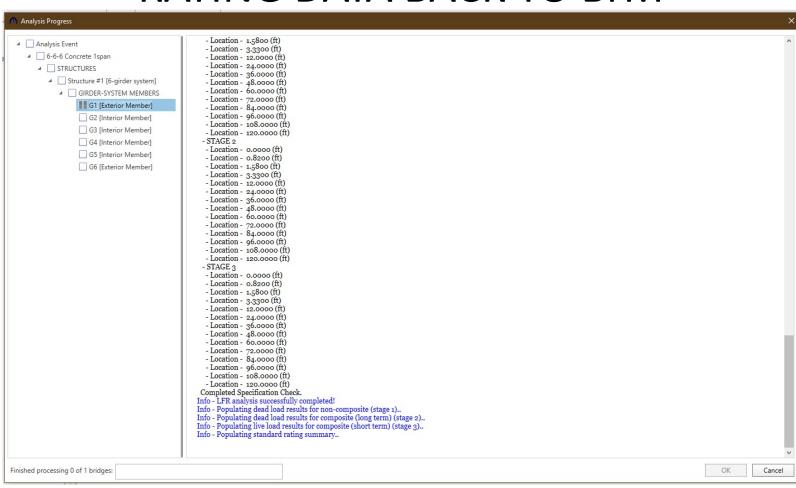


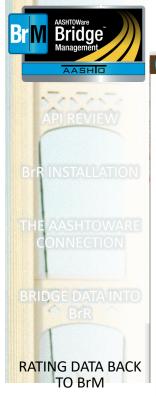
RATING DATA BACK TO BrM BRIDGE EXPLORER FOLDER RATE BRIDGE TOOLS I 5% 01 2# 10 Update Rating Recent Rating Manage Analysis Open Results Results Routing Rating Tool Rate BrM * Favorites Folder Bridge ID Bridge Name District County Facility Location Route | Feature Intersecte PRecent Bridges All Bridges 1 TrainingBridge1 Training Bridge 1(LRFD) District 11 01 Abbeville 0051 SR 6060 SR 0051 Pittsburgh 2 TrainingBridge2 Training Bridge 2(LRFD) Unknown Unknown (P) N/A N/A -1 N/A Deleted Bridges 3 TrainingBridge3 Training Bridge 3(LRFD) District 11 01 Abbeville 1-79 0079 Ohio River Pittsburgh 4 PCITrainingBridge1 PCI TrainingBridge1(LFD) -1 5 PCITrainingBridge2 PCITrainingBridge2(LRFD) -1 6 PCITrainingBridge3 PCI TrainingBridge3(LFD) -1 PCITrainingBridge4(LRFD) 7 PCITrainingBridge4 -1 8 PCITrainingBridge5 PCI TrainingBridge5(LFD) -1 9 PCITrainingBridge6 PCITrainingBridge6(LRFD) US-191 (SR-1 IN CITY OF MO/ 00191 MILL CREEK 10 6-6-6 Concrete 1span Signge Span Concrete Fair Condition Region 4 Grand BRIDGE DATA INTO 11 RCTrainingBridge1 RC Training Bridge1(LFD) 12 TimberTrainingBridge1 Timber Tr. Bridge1 (ASD) -1 13 FSys GFS TrainingBridge1 FloorSystem GFS Training Bridge 1 -1 District 6 15 Colleton NJ-Turnpike NJCity 14 FSys FS TrainingBridge2 FloorSystem FS Training Bridge 2 District 11 333 Norfolk -1 15 FSys GF TrainingBridge3 FloorSystem GF Training Bridge 3 District 7 06 Barnwell ATL -1 16 FLine GFS TrainingBridge1 FloorLine GFS Training Bridge 1 01 Abbeville JAX -1 **RATING DATA BACK** District 1 1-75 17 FLine FS TrainingBridge2 FloorLine FS Training Bridge 2 District 2 02 Aiken 1-75 GNV -1 TO BrM 18 FLine GF TrainingBridge3 FloorLine GF Training Bridge 3 01 Abbeville I-95 15 District 1 19 TrussTrainingExample Truss Training Example 5 20 LRFD Substructure Example 1 LRFD Substructure Example 1 21 LRFD Substructure Example 2 LRFD Substructure Example 2 SR 4034 ERIE COUNTY 4034 FOUR MILE CREE 22 LRFD Substructure Example 3 LRFD Substructure Example 3 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) -1 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 1-76 MAD RIVER WAITSFIELD 25 Culvert Example 1 Culvert Example 1 STH60 26 LFD Curved Guide Spec LFD Curved Guide Spec Example 27 MultiCell Box Examples Multi Cell Box Examples 100 28 Gusset Plate Example Gusset Plate Example District 1 Some Highway

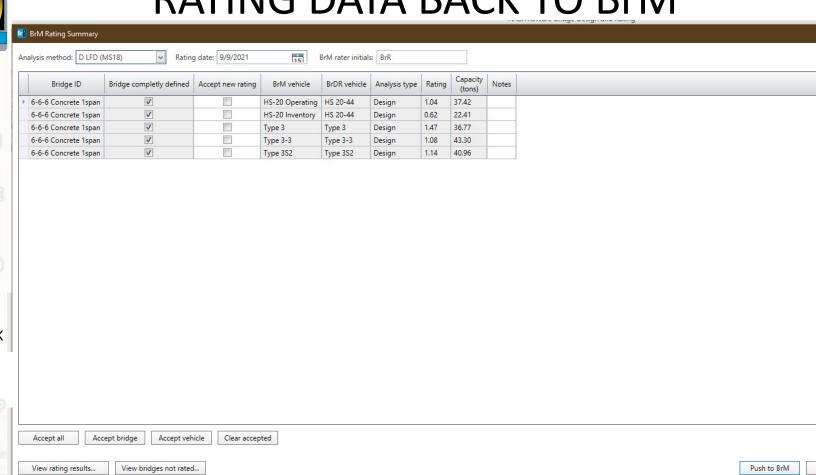




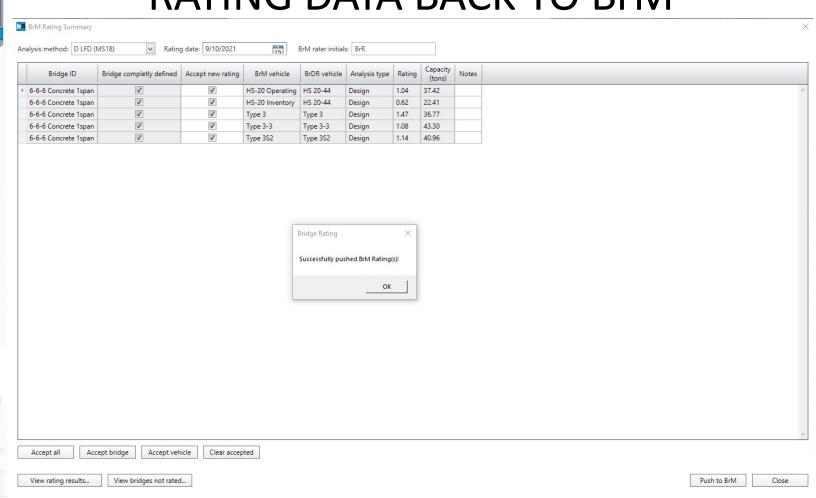






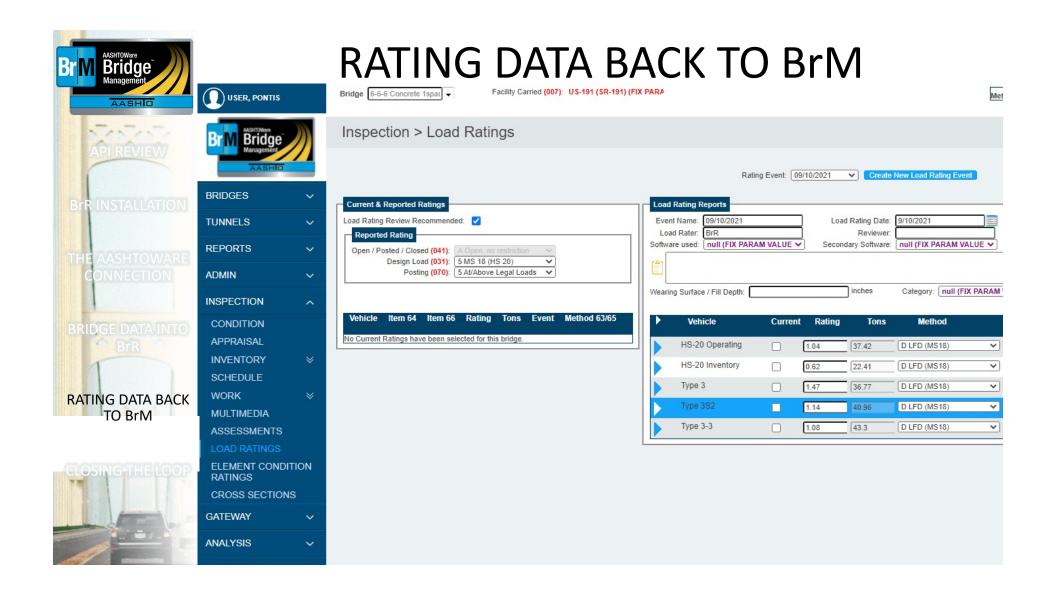






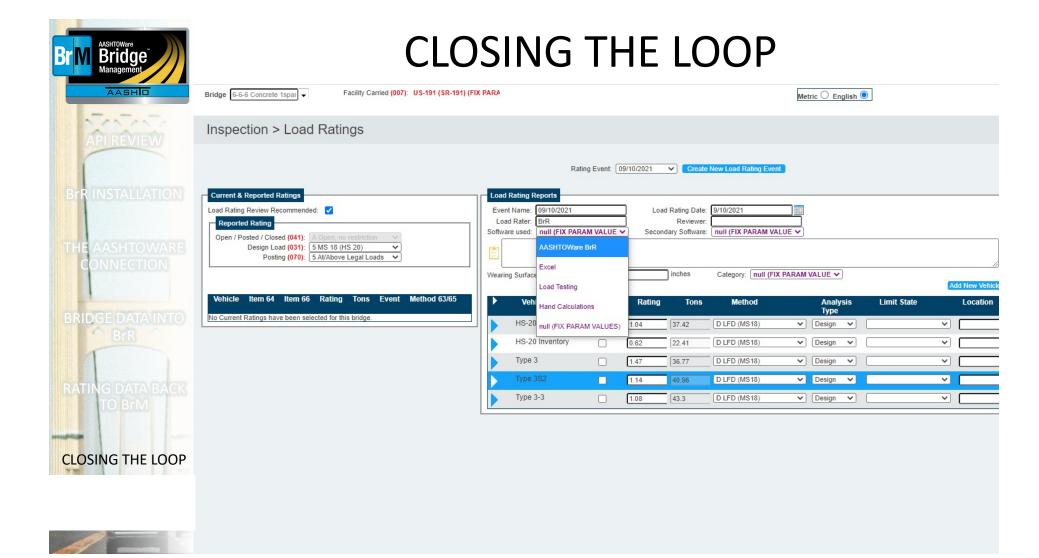
Bridge and a second sec **Brr** INSTALLATION THE AASHTOWARE BRIDGE DATA INTO RATING DATA BACK TO BrM

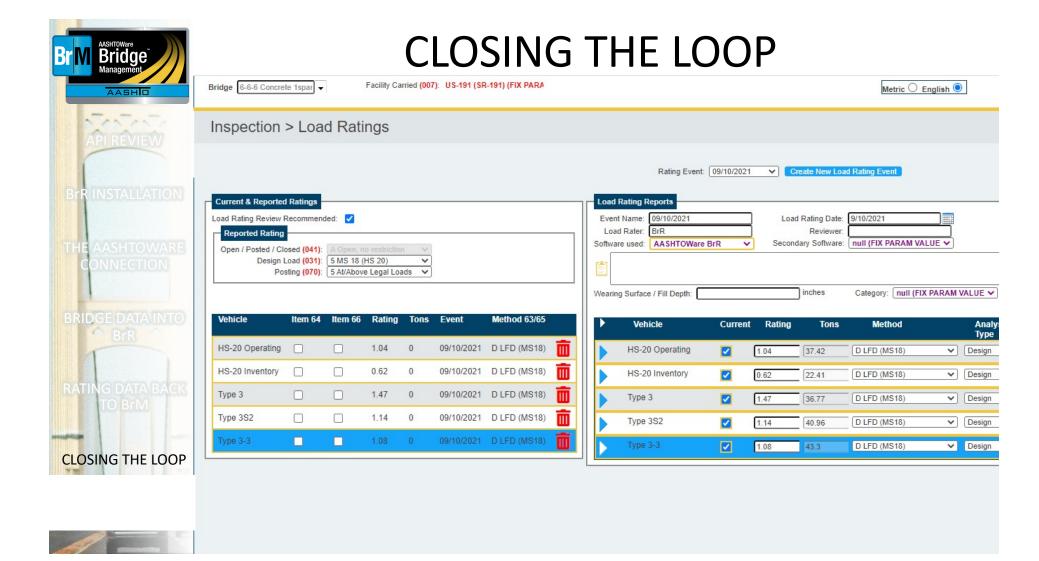
USER, PONTIS		Bri	dges > V	iew List								
INSPECTION	^		5span	EBL & WBL	Kegion 2	Summit	Unknown	299.902	1967	4	Ь	ь
CONDITION APPRAISAL			4-6-7 Steel 3span	UNION PACIFIC RAILROAD	Region 3	Utah	Lehi city	389.99	1964	4	6	7
INVENTORY SCHEDULE	*		5-5-4 Conc Slab 1span	WEST CANAL	Region 1	Box Elder	Unknown	389.99	1935	5	5	4
WORK	*		5-5-6 Steel Cont 3span	RAMP, I- 15SB TO US- 89SB	Region 1	Davis	West Bountiful city	231.875	1960	5	5	6
MULTIMEDIA ASSESSMENTS			6 Conc Culvert	AMERICAN FORK CREEK	Region 3	Utah	American Fork city	23	2001	N	N	N
LOAD RATINGS			6-3-6 PS T- Beam	JORDAN & SALT LAKE C	Region 2	Salt Lake	Midvale city	24	1982	6	3	6
ELEMENT CONDITI RATINGS			6-5-6 Steel Arch	SAN JUAN RIVER	Region 4	San Juan	Mexican Hat CDP	228.53	1953	6	5	6
CROSS SECTIONS GATEWAY	~		6-6-4 Cont Conc 3span	RAMP,I- 15NB to US- 89NB	Region 2	Salt Lake	Salt Lake City city	270.013	1961	6	6	4
ANALYSIS	~		6-6-5 Cont Conc 3span	McELMO CREEK	Region 4	San Juan	Unknown	153.999	1963	6	6	5
PROJECTS	~		6-6-5 PS Conc 1span	SR-147	Region 3	Utah	Spanish Fork city	103.822	1971	6	6	5
PROGRAMS	~		6-6-6 Concrete 1span	MILL CREEK	Region 4	Grand	Moab city	74.291	1956	6	6	6
			6-6-6 Steel 1span	DIAMOND FORK CREEK	Region 3	Utah	Unknown	77.333	1955	6	6	6
			6-6-6 Steel 3span	COLORADO RIVER	Region 4	Grand	Unknown	593.36	1986	6	6	6
		П	7-4-6 Steel	SANTA CLARA	Region 4	Washington	Unknown	295	1957	7	4	6



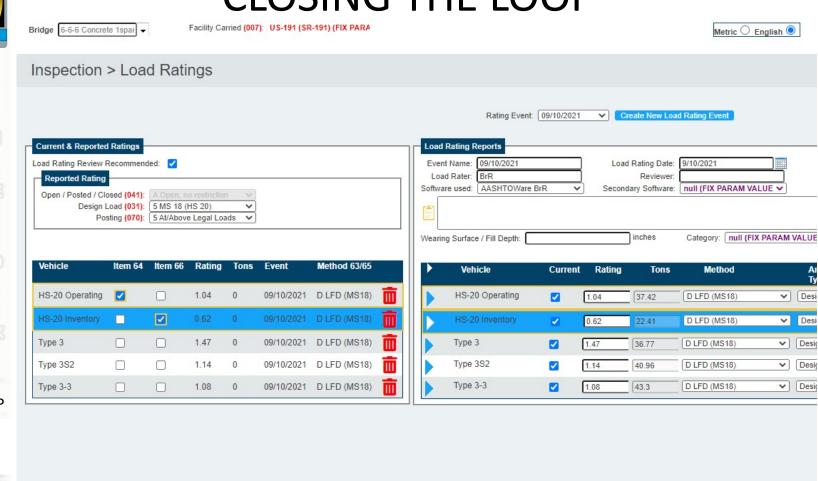




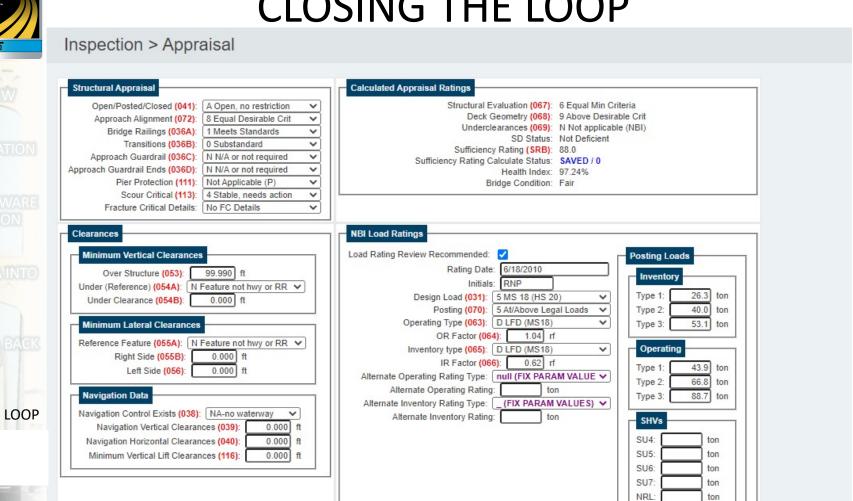




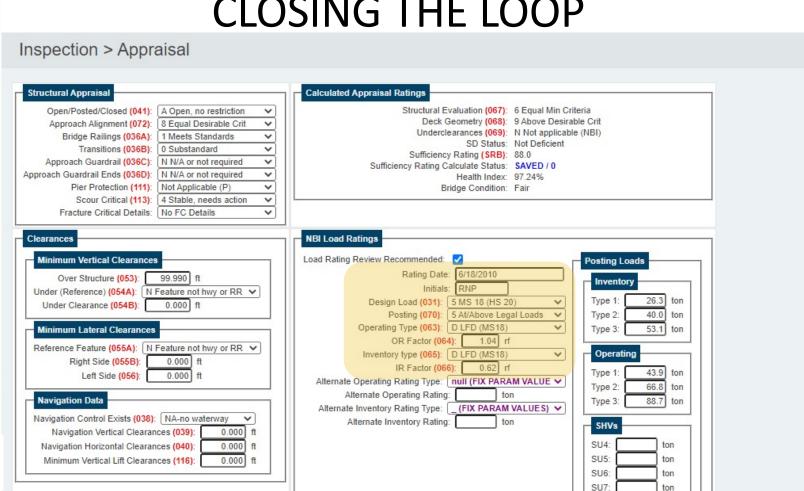












ton

NRL:



