

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Washington [53]	Spokane County [063]	Spokane [67000]	1.65 N OF I-90	47-40-39.99 = 47.677775	117-21-49.53 = -117.363758
85146000000000	Highway agency district 6	Owner City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 802	GREENE STREET	Toll On free road [3]	Features intersected	SPOKANE RIV,UPRIVER DR	
Design - main Concrete [1]	Design - approach Concrete [1]	Kilometerpoint 191 km = 118.4 mi	Year built 1955	Year reconstructed 1999	
3 Arch - Deck [11]	2 Slab [01]	Skew angle 17	Structure Flared		
		Historical significance	Bridge is possibly eligible for the NRHP. [3]		
Total length 132.3 m = 434.1 ft	Length of maximum span 40.5 m = 132.9 ft	Deck width, out-to-out 21.5 m = 70.5 ft	Bridge roadway width, curb-to-curb	16.1 m = 52.8 ft	
Inventory Route, Total Horizontal Clearance 8.1 m = 26.6 ft	Curb or sidewalk width - left 1.6 m = 5.2 ft	Curb or sidewalk width - right	1.6 m = 5.2 ft		
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Latex Concrete or similar additive [3]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.8 km = 0.5 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	18 metric ton = 19.8 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	29.7 metric ton = 32.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

Border bridge - state Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Good [7]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	46.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	October 2012 [1012]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2013 [0813]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	

BRIDGE INSPECTION REPORT

Ver Date: 01/27/2014

Agency: SPOKANE

Status: Released

Printed On: 09/30/20

Program Mgr: Roman G. Peralta

Bridge No. 533000802	Page: 1/3	Structure Type
Bridge Name GREENE ST OC SPOKANE R.	Route 00802	Location 1.65 N OF I-90
Structure ID 08514600	MilePost 1.19	Intersecting SPOKANE RIV,UPRIVER DR

Inspector's Signature JEM IDent# G0608 Co-Inspector's Signature

										Inspections Performed						
4	7	Structural Adqcy (657)	N		Pier/Abut/Protect (679)	1955	Year Built (332)				IT	NT	HRS	Date	Rep	Type
4		Deck Geometry (658)	7		Scour (680)	1999	Year Rebuilt (336)				Y	24	8.0	10/17/2012	Routine	
4		Underclearance (659)	7		Retaining Walls (682)	33	63 Oper Rating (551)								Fract Crit	
5		Operating Level (660)	9		Pier Protection (683)	20	38 Inv Rating (554)				D	60	1.5	08/13/2013	Underwater	
8		Alignment Adqcy (661)	1		Bridge Rails (684)	P	A Open Close (293)								Special	
8		WaterwayAdqcy (662)	0		Transition (685)	9999	Vert Over Deck (360)								Interim	
7		Deck Overall (663)	1		Guardrails (686)	1402	Vert Under (374)								Equipment	
9		Drains Condition (664)	1		Terminals (687)	H	Vert Und Code (378)								Damage	
7		Superstructure (671)	N		Revise Rating (688)	0.00	Asphalt Depth								Safety	
4		Number Utilities (675)			Photos Flag (691)	35	Speed Limit								Short Span	
7		Substructure (676)			Soundings Flag (693)											
7		Chan/Protection (677)			Measure Clearance (694)											
9		Culvert (678)														
											Total: 1.0					
											Suff Rating: 46.23		66.00			

BMS Elements							
Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	19219	SF	19179	40	0	0
35	Concrete Deck Soffit	19219	SF	19219	0	0	0
116	Concrete Stringer	1820	LF	1820	0	0	0
144	Concrete Arch	1092	LF	1084	8	0	0
205	Concrete Pile/Column	72	EA	63	8	1	0
210	Concrete Pier Wall	102	LF	102	0	0	0
215	Concrete Abutment	140	LF	132	8	0	0
234	Concrete Pier Cap / Crossbeam	2193	LF	2143	50	0	0
310	Elastomeric Bearing	42	EA	42	0	0	0
321	Concrete Roadway Approach Slab	2	SF	0	2	0	0
330	Metal Bridge Railing	728	LF	728	0	0	0
331	Concrete Bridge Railing	728	LF	728	0	0	0

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405	Compression Seal / Polymer Header	317	LF	317	0	0	0
417	Silicone Rubber Joint Filler	422	LF	422	0	0	0
803	Modified Concrete Overlay	19219	SF	19199	20	0	0

Notes

0	The bridge is oriented from the south to the north. The temperature at the time of the inspection was 51 degrees.
9	The WSDOT BPO Dive Team performed the underwater inspection of the Greene Street Bridge, over Spokane River on August 13, 2013. Bridge is oriented south and north. Piers 2 and 3 are in the channel. Complete Final Dive report under the Files tab.
12	The deck is covered by a concrete overlay.
35	There are a few light cracks in the deck soffit near the pier caps.
116	
144	
205	The columns under the joints are water-stained and developing cracks.
210	
215	The abutment joints have been leaking, but no new spalling was noted. The open areas behind the abutment walls were inspected via an unused utility block-out. The water main is still shut down.
234	There is a crack at the top of most pier caps at the apparent construction joint where the pier cap joins the deck. There are vertical, hairline cracks in the pier caps at the columns. The pier caps at the joints have previous repairs, some of which are beginning to break up.
310	
321	The approach slabs have some cracking, but the pavement surface remains smooth and even.
330	The grout is missing from under the bases of some of the posts on the pedestrian railing.
331	
405	The compression seals are leaking and there is some cracking in the joint headers.
417	The poured rubber joints are beginning to leak
681	
803	Cracking in the overlay is beginning to form grid patterns

Repairs

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Repair No	Pr	R	Repair Description	Noted	Maint	Verified

Inspections Performed and Resources Required

<u>Report Type</u>	<u>Date</u>	<u>IT</u>	<u>Frg</u>	<u>Hrs</u>	<u>Insp</u>	<u>CertNo</u>	<u>Coinsp</u>	<u>Note</u>
Routine	10/17/12		24	8.0	JEM	G0608	LAM	Ubit used in 2010 inspection. 6.5 Hrs Next high cost 2012.
Resources			Use	Hour	Min	Req	Max	Notes
UBIT			50	4.50				
Bucket								
Underwater	08/13/13	D	60	1.5	DON	G0314	MBS	Underwater Inspection performed by WSDOT Dive Team.9/6/2013Entered only Inspection Date, Hours, Inspectors' Initials and any data modified by the inspector on the NBI or WB71 through WB75 panels (as indicated on the BPO WSBIS Inventory Report). BDJ
Resources			Use	Hour	Min	Req	Max	Notes
Informational	01/16/14			1.0	JEM	G0608		Greene St Bridge was strengthen for shear and moment with FRP in fall of 2013.
Resources			Use	Hour	Min	Req	Max	Notes