

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]	0.03 E ST HWY 195	47-35-14.67 = 47.587408	117-24-09.19 = -117.402553
85106000000000	Highway agency district 6	Owner City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 836	HATCH ROAD	Toll On free road [3]	Features intersected	LATAH CREEK	
Design - main Concrete [1]	Design - approach Other [00]	Kilometerpoint 0.1 km = 0.1 mi	Year built 1919	Year reconstructed 1964	
1	Arch - Deck [11]	Skew angle 0	Structure Flared	Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 50.6 m = 166.0 ft	Length of maximum span 33.8 m = 110.9 ft	Deck width, out-to-out 9.4 m = 30.8 ft	Bridge roadway width, curb-to-curb 7.9 m = 25.9 ft		
Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 ft	Curb or sidewalk width - left 0.9 m = 3.0 ft	Curb or sidewalk width - right 0.6 m = 2.0 ft			
Deck structure type	Corrugated Steel [6]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 2.4 km = 1.5 mi	Method to determine inventory rating Load and Resistance Factor(LRFR) [3]	Inventory rating 32.4 metric ton = 35.6 tons
	Method to determine operating rating Load and Resistance Factor(LRFR) [3]	Operating rating 43.2 metric ton = 47.5 tons
Bridge posting Equal to or above legal loads [5]	Design Load M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	7558	Average daily truck traffi	2	%	Year	2013	Future average daily traffic	16100	Year	2034
Road classification	Major Collector (Rural) [07]	Lanes on structure	2		Approach roadway width	9.8 m = 32.2 ft				
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]			Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]	Lanes under structure	0		Navigation control					
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

### Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	157000	Roadway improvement cost	16000						
	Length of structure improvement	85.3 m = 279.9 ft		Total project cost	236000					
	Year of improvement cost estimate	2013								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

## Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="69.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="July 2013 [0713]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>

# BRIDGE INSPECTION REPORT

Ver Date: 08/26/2013

Agency: SPOKANE

Status: Released

Printed On: 09/30/20

Program Mgr: Roman G. Peralta

**Bridge No.** 359000836

Page: 1/2

**Structure Type**

**Bridge Name** HATCH RD OC LATAH CREEK

**Route** 00836

**Location** 0.03 E ST HWY 195

**Structure ID** 08510600

**MilePost** 0.00

**Intersecting** LATAH CREEK

Inspector's Signature JEM

IDent# G0608

Co-Inspector's Signature

LAM

										Inspections Performed			
6	Structural Adqcy (657)	N	Pier/Abut/Protect (679)	1919	Year Built (332)		IT	NT	HRS	Date	Rep	Type	
2	Deck Geometry (658)	8	Scour (680)	1964	Year Rebuilt (336)		Y	24	3.0	07/11/2013	Routine		
9	Underclearance (659)	9	Retaining Walls (682)	48	Oper Rating (551)						Fract Crit		
5	Operating Level (660)	9	Pier Protection (683)	36	Inv Rating (554)						Underwater		
8	Alignment Adqcy (661)	0	Bridge Rails (684)	P	Open Close (293)						Special		
8	WaterwayAdqcy (662)	0	Transition (685)	9999	Vert Over Deck (360)						Interim		
7	Deck Overall (663)	1	Guardrails (686)	0000	Vert Under (374)						Equipment		
6	Drains Condition (664)	1	Terminals (687)	N	Vert Und Code (378)						Damage		
6	Superstructure (671)	N	Revise Rating (688)	0.00	Asphalt Depth						Safety		
2	Number Utilities (675)		Photos Flag (691)		Speed Limit						Short Span		
7	6 Substructure (676)		Soundings Flag (693)										
7	Chan/Protection (677)		Measure Clearance (694)										
9	Culvert (678)												
										Total: 3.0			
										Suff Rating: 67.39 FO		69.05 FO	

## BMS Elements

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
30	Deck-corrugated or Other Steel System	4316	SF	4116	100	100	0
113	Steel Stringer	1976	LF	1276	700	0	0
144	Concrete Arch	110	LF	100	10	0	0
210	Concrete Pier Wall	267	LF	257	10	0	0
215	Concrete Abutment	129	LF	114	15	0	0
231	Steel Pier Cap/Crossbeam	526	LF	376	150	0	0
310	Elastomeric Bearing	17	EA	17	0	0	0
330	Metal Bridge Railing	334	LF	300	34	0	0
357	Pack Rust	1	EA	1	0	0	0
406	Compression Seal / Steel Header	124	LF	49	75	0	0

## Notes

0	The bridge is oriented from the west to the east. The temperature at the time of inspection was 85 degrees F. The Bridge is posted for legal loads.
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<b>Bridge No.</b> 359000836	Page: 2/2	<b>Structure Type</b>
<b>Bridge Name</b> HATCH RD OC LATAH CREEK	<b>Route</b> 00836	<b>Location</b> 0.03 E ST HWY 195
<b>Structure ID</b> 08510600	<b>MilePost</b> 0.00	<b>Intersecting</b> LATAH CREEK

30	The deck panels on the bridge are flexing with heavy loads, creating transverse cracks in the asphalt.
113	Most of the stringers between the floor beams have rust on the top and bottom flanges.
144	The arch has some small rock pockets and light cracks There is efflorescence along the spring line on the east side.
210	Several of the pier walls have shallow spalls under the bearing plates.
215	The concrete abutments have spalling on the ends of the older spandrel walls where they join with the newer pier walls.
231	The steel pier caps have areas of blister rust on the sides, and along the edges of the top and bottom flanges, especially under the expansion joints.
310	There is some deformation in the bearing plates under the steel pier caps .See photo.
330	
357	
406	The expansion joints have been hit by the snow plows. The edges are bent but remain serviceable. The seals have some minor leaks.
665	The drains are open and functioning.

### Repairs

Repair No	Pr	R	Repair Description	Noted	Maint	Verified
2	1	B		09/02/05		
1	2	B		09/02/05		

### Inspections Performed and Resources Required

Report Type	Date	IT	Frq	Hrs	Insp	CertNo	Coinsp	Note
Routine	07/11/13		24	3.0	JEM	G0608	LAM	The soundings and wade are done with the routine inspection but not always on the same day.
Resources	Use	Hour	Min	Req	Max	Notes		