

Attachment D

Robertson River Bridge page 1

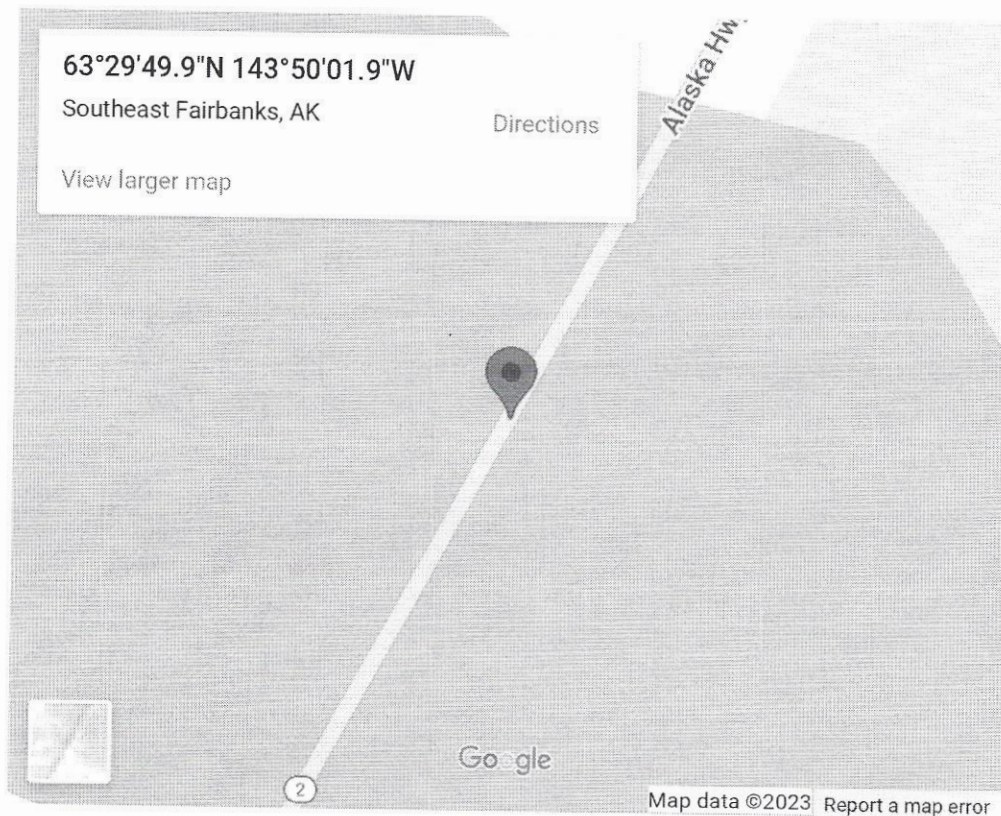
- [Google Maps](#)
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- [Geo URI \(Android\)](#)

Coordinates:

+63.49719, -143.83386

63°29'50" N, 143°50'02"

W

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Facts

Source: National Bridge Inventory. Information not verified; use at your own risk.

Name:	ALASKA HIGHWAY over ROBERTSON RIVER
Structure number:	0509
Location:	MILE POINT 123.2
Purpose:	Carries highway over waterway
Route classification:	Principal Arterial - Interstate (Rural) [01]
Length of largest span:	200.1 ft. [61.0 m]
Total length:	1979.1 ft. [603.2 m]

Roadway width between curbs:	23.6 ft. [7.2 m]
Deck width edge-to-edge:	27.9 ft. [8.5 m]
Owner:	State Highway Agency [01]
Year built:	1944
Historic significance:	Bridge is not eligible for the National Register of Historic Places [5]
Design load:	MS 13.5 / HS 15 [3]
Number of main spans:	9
Main spans material:	Steel [3]
Main spans design:	Truss - Deck [09]
Deck type:	Concrete Cast-in-Place [1]
Wearing surface:	Monolithic Concrete (concurrently placed with structural deck) [1]

Latest Available Inspection: July 2018

Good/Fair/Poor Condition:	Fair
Status:	Open, no restriction [A]
Average daily traffic:	258 [as of 2017]
Truck traffic:	28% of total traffic
Deck condition:	Satisfactory [6 out of 9]
Superstructure condition:	Good [7 out of 9]
Substructure condition:	Satisfactory [6 out of 9]
Structural appraisal:	Equal to present minimum criteria [6]
Deck geometry appraisal:	Meets minimum tolerable limits to be left in place as is [4]
Water adequacy appraisal:	Superior to present desirable criteria [9]
Roadway alignment appraisal:	Equal to present minimum criteria [6]
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]
Pier/abutment protection:	Navigation protection not required [1]
Scour condition:	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Sufficiency rating:	69.6
Recommended work:	Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Replacement of Bridge

Substandard Load Carrying Capacity

Estimated cost of work: \$11,618,000

page 3

Previous Inspections

Date	Condition	Deck	Superstructure	Substructure	ADT	Suff. Rating
July 2018	Fair	Satisfactory	Good	Satisfactory	258	69.6
July 2016	Fair	Good	Good	Satisfactory	371	68.3
July 2014	Fair	Good	Good	Satisfactory	403	67.9
July 2012	Fair	Satisfactory	Satisfactory	Fair	463	55.0
August 2010	Fair	Satisfactory	Satisfactory	Fair	377	56.2
July 2008	Fair	Satisfactory	Satisfactory	Fair	312	55.2
August 2006	Fair	Satisfactory	Satisfactory	Fair	429	57.0
June 2004	Fair	Satisfactory	Satisfactory	Fair	470	56.5
June 2002	Fair	Satisfactory	Satisfactory	Fair	375	57.8
August 2000	Fair	Fair	Fair	Fair	375	56.7
August 1998	Fair	Fair	Fair	Fair	512	54.8
June 1996	Fair	Fair	Satisfactory	Fair	516	52.2
August 1994	Fair	Fair	Satisfactory	Fair	501	53.9
August 1992	Fair	Fair	Satisfactory	Fair	425	54.8
June 1990	Fair	Fair	Satisfactory	Fair	425	53.8

Element Data

Source: National Bridge Elements dataset, 2019 edition. This feature is experimental.

Element	Units	Quantity	1-Good	2-Fair	3-Poor	4-Serious
Superstructure						
Steel Girder/Beam	linear ft.	750	690	60	0	0
Steel Protective Coating	sq. ft.	6,000	5,250	250	250	250
Steel Stringer	linear ft.	10,800	9,720	1,080	0	0
Steel Protective Coating	sq. ft.	41,850	36,850	2,500	2,500	0
Deck						
Reinforced Concrete Deck	sq. ft.	75,560	0	75,560	0	0
Superstructure						
Steel Truss	linear ft.	3,600	3,060	540	0	0
Steel Protective Coating	sq. ft.	31,000	29,450	0	775	775
Steel Floor Beam	linear ft.	3,840	3,456	384	0	0
Steel Protective Coating	sq. ft.	40,000	38,000	0	1,000	1,000
Steel Gusset Plate	each	198	188	10	0	0
Steel Protective Coating	sq. ft.	3,960	3,860	0	50	50

page 4

Substructure

Reinforced Concrete Pier Wall	linear ft.	390	292	78	20	0
Reinforced Concrete Abutment	linear ft.	80	80	0	0	0

Joints

Compression Joint	linear ft.	24	0	24	0	0
Assembly with Seal	each	305	305	0	0	0

Bearings

Other Bearing	each	56	56	0	0	0
Steel Protective Coating	sq. ft.	560	504	56	0	0

Bridge Rail

Steel or Aluminum Bridge Rail	linear ft.	3,900	3,900	0	0	0
Steel Protective Coating	sq. ft.	23,400	22,281	459	0	660

BridgeReports.com: National Bridge Inventory data

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Disclaimer: All data is taken from the National Bridge Inventory and has **not** been verified.

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