

Attachment B

Gerstle River Bridge page 1

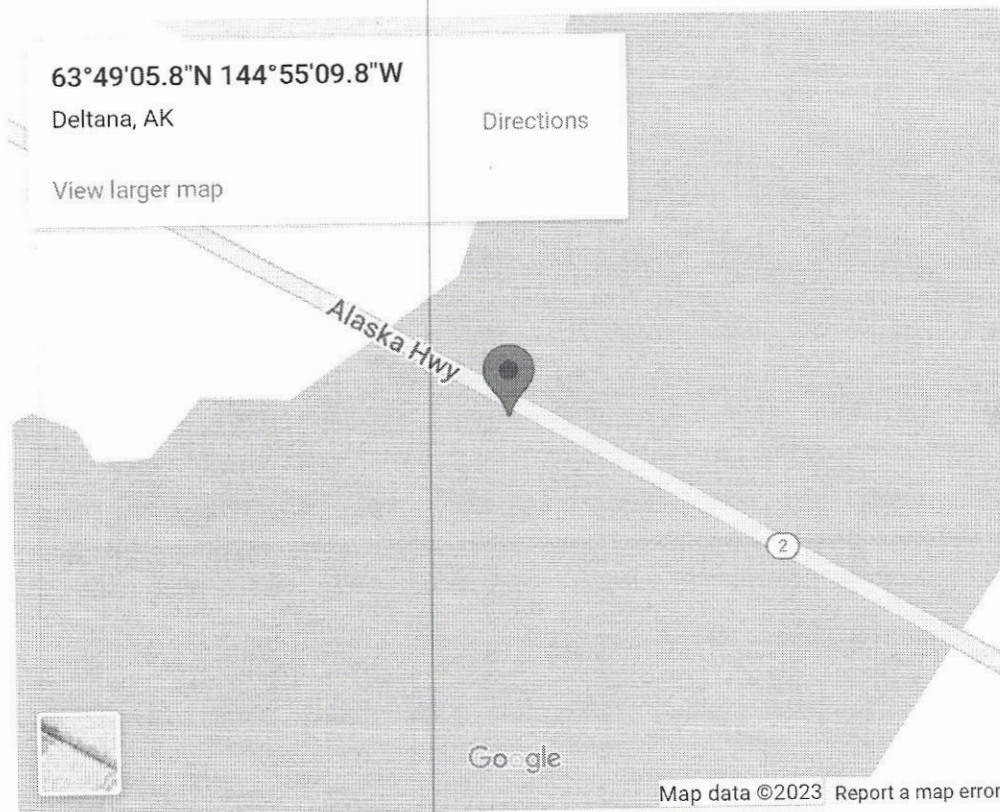
- [Google Maps](#)
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- [MapQuest.com](#)
- [USGS National Map](#)
- [Geo URI \(Android\)](#)

Coordinates:

+63.81829, -144.91938

63°49'06" N, 144°55'10"

W

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Facts

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

Name:	ALASKA HIGHWAY over GERSTLE RIVER
Structure number:	0520
Location:	MILE POINT 168.3
Purpose:	Carries highway over waterway
Route classification:	Principal Arterial - Interstate (Rural) [01]
Length of largest span:	200.1 ft. [61.0 m]
Total length:	1819.6 ft. [554.6 m]

Roadway width between curbs:	24.0 ft. [7.3 m]
Deck width edge-to-edge:	26.9 ft. [8.2 m]
Vertical clearance above deck:	15.7 ft. [4.8 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 - Thru [10]
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 [4]
Average daily traffic:	326 [as of 2017]
Truck traffic:	28% of total traffic
Deck condition:	Fair [5 out of 9]
Superstructure condition:	Fair [5 out of 9]
Substructure condition:	Fair [5 out of 9]
Structural appraisal:	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Deck geometry appraisal:	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Water adequacy appraisal:	Equal to present desirable criteria [8]
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 is scour critical; bridge foundations determined to be unstable. [3]
Sufficiency rating:	59.0

Bridge Scour Rating

Previous Inspections

Date	Condition	Deck	Superstructure	Substructure	ADT	Suff. Rating
July 2018	Fair	Fair	Fair	Fair	326	59.0
July 2016	Fair	Fair	Satisfactory	Fair	302	59.3
July 2014	Fair	Fair	Satisfactory	Fair	554	54.9
July 2012	Poor	Fair	Satisfactory	Poor	507	47.0
August 2010	Poor	Fair	Satisfactory	Poor	400	40.1
July 2008	Poor	Fair	Satisfactory	Poor	457	47.9
August 2006	Fair	Fair	Satisfactory	Fair	654	54.0
June 2004	Fair	Fair	Satisfactory	Fair	674	53.8
June 2002	Poor	Fair	Fair	Serious	588	26.7
August 2000	Poor	Fair	Fair	Serious	588	26.7
August 1998	Poor	Fair	Fair	Serious	556	26.7
June 1996	Fair	Good	Satisfactory	Satisfactory	839	49.1
August 1994	Poor	Fair	Poor	Poor	743	35.0
August 1992	Poor	Fair	Poor	Poor	425	42.7
June 1990	Poor	Fair	Poor	Poor	425	42.7

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 Stringer	linear ft.	10,920	10,670	250	0	0
Steel Protective Coating	sq. ft.	60,000	59,800	200	0	0
Deck						
Reinforced Concrete Deck	sq. ft.	51,094	0	51,027	67	0
Superstructure						
Steel Truss	linear ft.	3,640	0	1,820	1,820	0
Steel Protective Coating	sq. ft.	63,500	58,500	2,500	2,500	0
Steel Floor Beam	linear ft.	2,920	1,752	876	292	0
Steel Protective Coating	sq. ft.	23,000	20,700	575	575	1,150
Steel Gusset Plate	each	360	180	180	0	0
Steel Protective Coating	sq. ft.	7,200	7,200	0	0	0
Substructure						
Reinforced Concrete Pier Wall	linear ft.	330	281	49	0	0
Reinforced Concrete Abutment	linear ft.	60	54	6	0	0
Reinforced Concrete Pier Cap	linear ft.	346	316	30	0	0
Joints						

Assembly with Seal	each	280	280	0	0	0
Bearings						
Movable Bearing	each	18	0	18	0	0
Steel Protective Coating	sq. ft.	180	160	0	0	20
Fixed Bearing	each	18	0	18	0	0
Steel Protective Coating	sq. ft.	180	160	0	0	20
Bridge Rail						
Steel or Aluminum Bridge Rail	linear ft.	3,640	3,437	180	22	1
Steel Protective Coating	sq. ft.	21,830	21,830	0	0	0

[BridgeReports.com](https://bridgereports.com): National Bridge Inventory data

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