

Bridge Summary Report

State Name (1): 38 - North Dakota

Structure Number (8): 0029069374

Inspection Date (90): July 2021

Identification and Location
Highway Agency District (2): 68 - Fargo
County Name (3): 017 - Cass County
Place Code (4): 65860
Features Intersected (6A): I-29/NORTH FARGO INT
Facility Carried By Structure (7): CASS COUNTY 20
Location (9): 3 SOUTH OF HARWOOD
Mile Point, miles (11): 0.1
Latitude, decimal (16): 46.93413
Longitude, decimal (17): -96.85065
Maintenance Responsibility (21): 1 - State Highway Agency
Owner (22): 1 - State Highway Agency
Year Built (27): 1966
Historical Significance Code (37): 5 - Not National Register eligible
Neighboring State Code (98A):
Neighboring State Percent Responsibility (98B): 0
Border Bridge Structure Number (99): _
Parallel Structure Designation Code (101): N - No parallel structure
Year Reconstructed (106): 1983

Structure Type and Materials
Main Span Material (43A): 4 - Steel Continuous
Main Span Design (43B): 2 - Stringer/Multi-beam or Girder
Approach Spans Material (44A): 0 - Other Material Main or N/A (No Ot ...
Approach Spans Design (44B): 0
Number of Spans in Main Unit (45): 4
Number of Approach Spans (46): 0
Deck Structure Type Code (107): 1 - Concrete Cast-in-Place
Wearing Surface Type Code (108A): 4 - Low slump Concrete
Membrane Type Code (108B): 0 - None
Deck Protection Code (108C): 0 - None

Dimensions and Clearances
Inventory Route - Minimum Vertical Clearance, ft. (10): "9999"
Approach Roadway Width, ft. (32): 32.2
Bridge Median Code (33): 0 - No Median
Skew Angle, degrees (34): 20
Structure Flared (35): 0 - No flare
Navigation Control Code (38): N - No waterway
Navigation Vertical Clearance, ft. (39): 0
Navigation Horizontal Clearance, ft. (40): 0
Inventory Route Total Horizontal Clearance, ft. (47): 29.9
Length of Maximum Span, ft. (48): 84
Structure Length, ft. (49): 294.9
Left Curb/Sidewalk Width, ft. (50A): 0
Right Curb/Sidewalk Width, ft. (50B): 0
Bridge Roadway Width Curb to Curb, ft. (51): 29.9
Deck Width - Out to Out, ft. (52): 35.8
Minimum Vertical Clearance Over Bridge Roadway, ft. (53): "9999"
Minimum Vertical Underclearance, ft. (54B): 17.3
Minimum Lateral Underclearance on Right, ft. (55B): 12.1
Minimum Lateral Underclearance on Left, ft. (56): 21.3
Pier Abutment Protection Code (111):
Minimum Vertical Clearance - Lift Bridge, ft. (116):
Deck Area, sq. ft.: 10547.7

Inspection
Inspection Date (90): July 2021
Designated Inspection Frequency (91): 24
Fracture Critical Details (92A): N   Not needed
Underwater Inspection (92B): N   Not needed
Other Special Inspection (92C): N
Fracture Critical Detail Date (93A):
Underwater Inspection Date (93B):
Other Special Inspection Date (93C):

Condition Rating and Evaluation
Bridge Railings (36A): 1 - Meets currently acceptable standards
Transitions (36B): 1 - Meets currently acceptable standards
Approach Guardrail (36C): 1 - Meets currently acceptable standards
Bridge Guardrail Ends (36D): 1 - Meets currently acceptable standard ...
Deck Condition Rating (58): 6 - Satisfactory Condition
Superstructure Condition Rating (59): 6 - Satisfactory Condition
Substructure Condition Rating (60): 6 - Satisfactory Condition
Channel and Channel Protection Condition Rating (61): N - Not over w ...
Culverts Condition Rating (62): N - Not a culvert
Structural Evaluation Appraisal (67): 6 - Equal to Present Minimum C ...
Deck Geometry Appraisal (68): 5 - Better Than Minimum Adequacy
Underclearance Appraisal Vertical and Horizontal (69): 6 - Equal to ...
Waterway Adequacy Appraisal (71): N - N/A
Approach Alignment Appraisal (72): 5 - Better Than Minimum Adequacy
Scour Critical Bridges Code (113): N - Bridge not over waterway

Load Rating and Posting
Design Load Descriptor (31): 5 - MS 18 / HS 20
Structure Operational Status Code (41): A - Open
Operating Rating Method Code (63): 1 - Load Factor(LF)
Operating Rating, US tons (64): 59.6
Inventory Rating Method Code (65): 1 - Load Factor(LF)
Inventory Rating, US tons (66): 35.6
Bridge Posting Code (70): 5 - Equal to or above legal loads

Traffic and Roadway Data
Record Type (5A): 1 - On Structure
Route Signing Prefix Code (5B): 4 - County Highway
Designated Level of Service Code (5C): 1 - Mainline
Route Number (5D): 00928
Directional Suffix Code (5E): 0 - Not Applicable
Base Highway Network (12): 0 - Not on Base Network
Bypass or Detour Length, miles (19): 1.9
Toll Status (20): 3 - On Free Road
Functional Class Of Inventory Route (26): 7 - Rural Major Collector
Lanes On the Structure (28A): 2
Lanes Under the Structure (28B): 4
Average Daily Traffic (29): 2,000
Year of Average Daily Traffic (30): 2019
Type of Service on Bridge Code (42A): 6 - Overpass structure at inte ...
Type Of Service Under Bridge Code (42B): 1 - Highway, with or withou ...
STRAHNET Highway Designation (100): 0 - Not STRAHNET
Direction of Traffic Code (102): 2 - 2 - way traffic
Inventory Route NHS Code (104): 0 - Not on NHS
Federal Lands Highways Code (105): 0 - N/A
Average Daily Truck Traffic (Percent ADT) (109): 16
Designated National Truck Network Code (110): 0 - Not on National Tr ...
Future Average Daily Traffic (114): 2,100
Year of Future Average Daily Traffic (115): 2039

MPO, Political Districts, and Cities
Metropolitan Planning Organization (MPO): 38197200 - Fargo-Moorhead
Metropolitan COG
U.S. Congressional District: 00 - Congressional District (at Large)
State Senate District: 045 - State Senate District 45
State House District: 045 - State House District 45
City (InfoBridge Place Code-Name): 25700 - Fargo city

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Inspection Date (90): July 2021

Identification and Location	Condition Rating and Evaluation
Highway Agency District (2): 68 - Fargo	Bridge Railings (36A): 1 - Meets currently acceptable standards
County Name (3): 017 - Cass County	Transitions (36B): 1 - Meets currently acceptable standards
Place Code (4): 25700	Approach Guardrail (36C): 1 - Meets currently acceptable standards
Features Intersected (6A): BNRR	Bridge Guardrail Ends (36D): 1 - Meets currently acceptable standard ...
Facility Carried By Structure (7): COUNTY HIGHWAY	Deck Condition Rating (58): 6 - Satisfactory Condition
Location (9): EAST OF NO. FARGO INTCHG	Superstructure Condition Rating (59): 7 - Good Condition
Mile Point, miles (11): 0.1	Substructure Condition Rating (60): 7 - Good Condition
Latitude, decimal (16): 46.934113	Channel and Channel Protection Condition Rating (61): N - Not over w ...
Longitude, decimal (17): -96.84735	Culverts Condition Rating (62): N - Not a culvert
Maintenance Responsibility (21): 1 - State Highway Agency	Structural Evaluation Appraisal (67): 7 - Better Than Present Minimu ...
Owner (22): 1 - State Highway Agency	Deck Geometry Appraisal (68): 4 - Minimum Tolerable
Year Built (27): 1965	Underclearance Appraisal Vertical and Horizontal (69): 8 - Equal to ...
Historical Significance Code (37): 5 - Not National Register eligible	Waterway Adequacy Appraisal (71): N - N/A
Neighboring State Code (98A):	Approach Alignment Appraisal (72): 5 - Better Than Minimum Adequacy
Neighboring State Percent Responsibility (98B): 0	Scour Critical Bridges Code (113): N - Bridge not over waterway
Border Bridge Structure Number (99): _	Load Rating and Posting
Parallel Structure Designation Code (101): N - No parallel structure	Design Load Descriptor (31): 5 - MS 18 / HS 20
Year Reconstructed (106): 1983	Structure Operational Status Code (41): A - Open
Structure Type and Materials	Operating Rating Method Code (63): 1 - Load Factor(LF)
Main Span Material (43A): 4 - Steel Continuous	Operating Rating, US tons (64): 62.1
Main Span Design (43B): 2 - Stringer/Multi-beam or Girder	Inventory Rating Method Code (65): 1 - Load Factor(LF)
Approach Spans Material (44A): 0 - Other Material Main or N/A (No Ot ...	Inventory Rating, US tons (66): 37.1
Approach Spans Design (44B): 0	Bridge Posting Code (70): 5 - Equal to or above legal loads
Number of Spans in Main Unit (45): 3	Traffic and Roadway Data
Number of Approach Spans (46): 0	Record Type (5A): 1 - On Structure
Deck Structure Type Code (107): 1 - Concrete Cast-in-Place	Route Signing Prefix Code (5B): 5 - City Street
Wearing Surface Type Code (108A): 4 - Low slump Concrete	Designated Level of Service Code (5C): 1 - Mainline
Membrane Type Code (108B): 0 - None	Route Number (5D): 08403
Deck Protection Code (108C): 0 - None	Directional Suffix Code (5E): 0 - Not Applicable
Dimensions and Clearances	Base Highway Network (12): 0 - Not on Base Network
Inventory Route - Minimum Vertical Clearance, ft. (10): "9999"	Bypass or Detour Length, miles (19): 1.9
Approach Roadway Width, ft. (32): 40	Toll Status (20): 3 - On Free Road
Bridge Median Code (33): 0 - No Median	Functional Class Of Inventory Route (26): 16 - Urban Minor Arterial
Skew Angle, degrees (34): 27	Lanes On the Structure (28A): 2
Structure Flared (35): 0 - No flare	Lanes Under the Structure (28B): 0
Navigation Control Code (38): N - No waterway	Average Daily Traffic (29): 2,425
Navigation Vertical Clearance, ft. (39): 0	Year of Average Daily Traffic (30): 2019
Navigation Horizontal Clearance, ft. (40): 0	Type of Service on Bridge Code (42A): 1 - Highway
Inventory Route Total Horizontal Clearance, ft. (47): 69.9	Type Of Service Under Bridge Code (42B): 2 - Railroad
Length of Maximum Span, ft. (48): 81	STRAHNET Highway Designation (100): 0 - Not STRAHNET
Structure Length, ft. (49): 210	Direction of Traffic Code (102): 2 - 2 - way traffic
Left Curb/Sidewalk Width, ft. (50A): 0	Inventory Route NHS Code (104): 0 - Not on NHS
Right Curb/Sidewalk Width, ft. (50B): 0	Federal Lands Highways Code (105): 0 - N/A
Bridge Roadway Width Curb to Curb, ft. (51): 29.9	Average Daily Truck Traffic (Percent ADT) (109): 16
Deck Width - Out to Out, ft. (52): 35.8	Designated National Truck Network Code (110): 0 - Not on National Tr ...
Minimum Vertical Clearance Over Bridge Roadway, ft. (53): "9999"	Future Average Daily Traffic (114): 3,000
Minimum Vertical Underclearance, ft. (54B): 22.9	Year of Future Average Daily Traffic (115): 2039
Minimum Lateral Underclearance on Right, ft. (55B): 27.9	MPO, Political Districts, and Cities
Minimum Lateral Underclearance on Left, ft. (56): "000"	Metropolitan Planning Organization (MPO): 38197200 - Fargo-Moorhead
Pier Abutment Protection Code (111):	Metropolitan COG
Minimum Vertical Clearance - Lift Bridge, ft. (116):	U.S. Congressional District: 00 - Congressional District (at Large)
Deck Area, sq. ft.: 7508.9	State Senate District: 045 - State Senate District 45
Inspection	State House District: 045 - State House District 45
Inspection Date (90): July 2021	City (InfoBridge Place Code-Name): 25700 - Fargo city
Designated Inspection Frequency (91): 24	
Fracture Critical Details (92A): N Not needed	
Underwater Inspection (92B): N Not needed	
Other Special Inspection (92C): N	
Fracture Critical Detail Date (93A):	
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