

Bridge Summary Report

State Name (1): 53 - Washington

Structure Number (8): 0002376A0000000

Inspection Date (90): September 2022

Identification and Location

Highway Agency District (2): 03 - Olympic Region

County Name (3): 053 - Pierce County

Place Code (4): 70000

Features Intersected (6A): HYLEBOS WATERWAY

Facility Carried By Structure (7): East 11th Street

Location (9): 4.2 N JCT I-5

Mile Point, miles (11): 0.001

Latitude, decimal (16): 47.277573

Longitude, decimal (17): -122.39451

Maintenance Responsibility (21): 4 - City or Municipal Highway Agency

Owner (22): 4 - City or Municipal Highway Agency

Year Built (27): 1939

Historical Significance Code (37): 4 - Unknown historical significance

Neighboring State Code (98A):

Neighboring State Percent Responsibility (98B):

Border Bridge Structure Number (99):

Parallel Structure Designation Code (101): N - No parallel structure

Year Reconstructed (106): 2012

Structure Type and Materials

Main Span Material (43A): 3 - Steel

Main Span Design (43B): 16 - Movable - Bascule

Approach Spans Material (44A): 5 - Prestressed Concrete

Approach Spans Design (44B): 2 - Stringer/Multi-beam or Girder

Number of Spans in Main Unit (45): 1

Number of Approach Spans (46): 5

Deck Structure Type Code (107): 1 - Concrete Cast-in-Place

Wearing Surface Type Code (108A): 9 - Other

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): 23

Bridge Median Code (33): 0 - No Median

Skew Angle, degrees (34): 0

Structure Flared (35): 0 - No flare

Navigation Control Code (38): 1 - Permit Required

Navigation Vertical Clearance, ft. (39): 20.9

Navigation Horizontal Clearance, ft. (40): 149.9

Inventory Route Total Horizontal Clearance, ft. (47): 24

Length of Maximum Span, ft. (48): 216.9

Structure Length, ft. (49): 946.9

Left Curb/Sidewalk Width, ft. (50A): 3.6

Right Curb/Sidewalk Width, ft. (50B): 3.6

Bridge Roadway Width Curb to Curb, ft. (51): 24

Deck Width - Out to Out, ft. (52): 25.9

Minimum Vertical Clearance Over Bridge Roadway, ft. (53): "9999"

Minimum Vertical Underclearance, ft. (54B): "000"

Minimum Lateral Underclearance on Right, ft. (55B): 0

Minimum Lateral Underclearance on Left, ft. (56): "000"

Pier Abutment Protection Code (111): 3 - In place; deteriorated

Minimum Vertical Clearance - Lift Bridge, ft. (116):

Deck Area, sq. ft.: 24541

Inspection

Inspection Date (90): September 2022

Designated Inspection Frequency (91): 24

Fracture Critical Details (92A): Y24

Underwater Inspection (92B): Y60

Other Special Inspection (92C): Y24

Fracture Critical Detail Date (93A): September 2022

Underwater Inspection Date (93B): October 2022

Other Special Inspection Date (93C): September 2022

Condition Rating and Evaluation

Bridge Railings (36A): 0 - Does not meet currently acceptable standa ...

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): 7 - Good Condition

Superstructure Condition Rating (59): 6 - Satisfactory Condition

Substructure Condition Rating (60): 7 - Good Condition

Channel and Channel Protection Condition Rating (61): 7 - Channel re ...

Culverts Condition Rating (62): N - Not a culvert

Structural Evaluation Appraisal (67): 4 - Minimum Tolerable

Deck Geometry Appraisal (68): 4 - Minimum Tolerable

Underclearance Appraisal Vertical and Horizontal (69): N - N/A

Waterway Adequacy Appraisal (71): 8 - Equal to Present Desirable Cri ...

Approach Alignment Appraisal (72): 8 - Equal to Present Desirable Cr ...

Scour Critical Bridges Code (113): 8 - Foundations stable; Scour abo ...

Load Rating and Posting

Design Load Descriptor (31): 2 - M 13.5 / H 15

Structure Operational Status Code (41): P - Posted for load

Operating Rating Method Code (63): 8 - Load and Resistance Factor Ra ...

Operating Rating, US tons (64): 22.8

Inventory Rating Method Code (65): 8 - Load and Resistance Factor Ra ...

Inventory Rating, US tons (66): 17.9

Bridge Posting Code (70): 4 - 0.1 -9.9 percent below

Traffic and Roadway Data

Record Type (5A): 1 - On Structure

Route Signing Prefix Code (5B): 5 - City Street

Designated Level of Service Code (5C): 1 - Mainline

Route Number (5D): 50950

Directional Suffix Code (5E): 0 - Not Applicable

Base Highway Network (12): 1 - On Base Network

Bypass or Detour Length, miles (19): 5

Toll Status (20): 3 - On Free Road

Functional Class Of Inventory Route (26): 12 - Urban Principal Arter ...

Lanes On the Structure (28A): 2

Lanes Under the Structure (28B): 0

Average Daily Traffic (29): 1,000

Year of Average Daily Traffic (30): 2022

Type of Service on Bridge Code (42A): 5 - Highway-pedestrian

Type Of Service Under Bridge Code (42B): 5 - Waterway

STRAHNET Highway Designation (100): 0 - Not STRAHNET

Direction of Traffic Code (102): 2 - 2 - way traffic

Inventory Route NHS Code (104): 1 - On NHS

Federal Lands Highways Code (105): 1 - Indian Reservation Road (IRR)

Average Daily Truck Traffic (Percent ADT) (109): 5

Designated National Truck Network Code (110): 1 - On National Truck ...

Future Average Daily Traffic (114): 2,000

Year of Future Average Daily Traffic (115): 2044

MPO, Political Districts, and Cities

Metropolitan Planning Organization (MPO): 53199100 - Puget Sound

Regional Council

U.S. Congressional District: 06 - Congressional District 6

State Senate District: 027 - State Senate District 27

State House District: 027 - Legislative District 27

City (InfoBridge Place Code-Name): 70000 - Tacoma city