HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.
Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

Oregon [41]	Multnomah County [051]	Portland [59000]	0.4 MI NE PORTLAND CC	45-31-39.44 = 45.527622	122-40-08.63 = -122.669064

06683 01WX00036	Highway agency district	#Num!	Owner	Railroad [27]	Maintenance responsibility	State Highway Agency [01]

Route	99	West [4]	HWY 1W (STEEL BR)	Toll	On free road [3]

Features intersected: WILLAMETTE RIVER

Design - main	Steel [3]	Design - approach	Steel [3]
1	Truss - Thru [10]	2	Truss - Deck [09]

Kilometerpoint: 57.9 km = 35.9 mi

Year built: 1910 Year reconstructed: N/A [0000]

Skew angle: 0 Structure Flared:

Historical significance: Bridge is eligible for the NRHP. [2]

Total length	243.8 m = 799.9 ft	Length of maximum span	91.4 m = 299.9 ft	Deck width, out-to-out	19.5 m = 64.0 ft	Bridge roadway width, curb-to-curb	15.2 m = 49.9 ft

Inventory Route, Total Horizontal Clearance	8.2 m = 26.9 ft	Curb or sidewalk width - left	1.7 m = 5.6 ft	Curb or sidewalk width - right	1.7 m = 5.6 ft

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi

Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons
Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	54.4 metric ton = 59.8 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	24216	Average daily truck traffi	4 %	Year	2007	Future average daily traffic	42070	Year	2027

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	19.5 m = 64.0 ft
Type of service on bridge	Highway-railroad [4]	Direction of traffic	2 - way traffic [2]	Bridge median	Open median [1]
Parallel structure designation	No parallel structure exists. [N]				
Type of service under bridge	Railroad-waterway [7]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc	48.8 m = 160.1 ft	Navigation horizontal clearance	70.1 m = 230.0 ft		
Minimum navigation vertical clearance, vertical lift bridge	48.8 m = 160.1 ft	Minimum vertical clearance over bridge roadway	5.41 m = 17.8 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	2818000	Roadway improvement cost	282000
Length of structure improvement	268 m = 879.3 ft	Total project cost	4508000
Year of improvement cost estimate	2011		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Fair [5]		

Scour	Bridge with "unknown" foundation that has not been evaluated for scour. [U]
Channel and channel protection	Not applicable. [N]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	47.9

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	March 2012 [0312]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y48]	Underwater inspection date	March 2012 [0312]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2012 [0312]
Other special inspection	Unknown [N00]	Other special inspection date	

CITY OF PORTLAND
Bridge Management System
2014

BRIDGE NO. 157
RIVERWALK COMPLEX PED BRIDGE - STEEL BRIDGE AT WILLAMETTE RIVER

DESCRIPTION

Year Built:	2001
Year(s) Rehabilitated:	N/A
NBI Bridge Number:	N/A
Bridge Type:	Pedestrian
Material Type:	Steel
Bridge Length:	913.3 FT
Deck Width:	10 FT
Wearing Surface:	Concrete

2012/2013 APPRAISAL

PDOT Condition Rating:	VERY GOOD
Sufficiency Rating:	N/A
NBI Suffiency Status:	N/A
Deck (NBI #58):	8
Super (NBI #59):	8
Sub (NBI #60 or #62):	8
Fracture Critical:	NO
Vertical Clearance:	

LOAD RATING & POSTING

Operating Rating:	#N/A
Inventory Rating:	#N/A
Load Rating Type:	#N/A
Design Vehicle:	
Posting Status:	N/A

ROUTE INFORMATION

Freight Route:	NO
Priority 1 Seismic Lifeline Route:*	NO
Priority 2 Seismic Lifeline Route:**	NO
Emergency Response Route:	NO
Designated Transit Route:	NO

BICYCLE INFORMATION

Bikeway Designation:	Path
Bikeway Adequacy:	Adequate

PEDESTRIAN INFORMATION

Designated City Walkway:	YES
Sidewalk Adequacy:	Adequate

LOCATION

1/4 Section:	2930
Thomas Guide Page:	596
Thomas Guide Coordinate:	G-5

TRAFFIC

ADT:	N/A
Bypass Detour:	N/A

KNOWN UTILITIES	Information not available
HISTORIC SIGNIFICANCE	Not Historic

BRIDGE NEEDS (Risk Assessment Rank: 146)

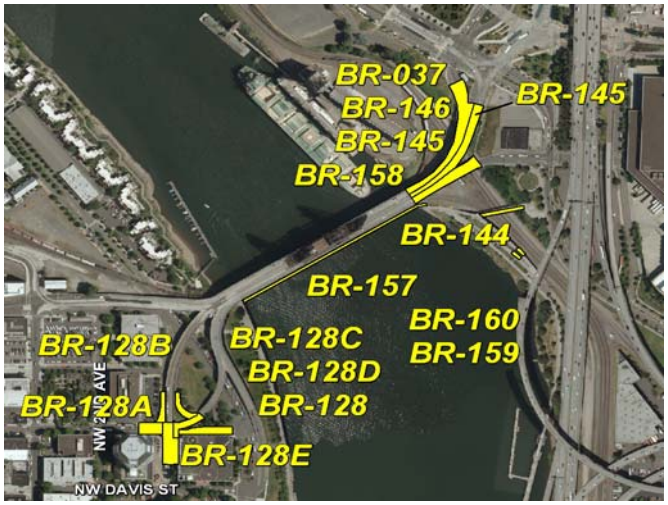
Seismic Need:	LOW VULNERABILITY
Overall Bridge Need:	NO MAJOR WORK
Age (Years):	13 Years
Estimated Need ($):	$0
Est. Replacement Cost:	$3,777,064

Current Inspection Date: 6/21/2012

Previous Owner: City of Portland

*Priority 1: Routes essential for emergency responses in first 72 hours after an incidence.

**Priority 2: Routes desirable for emergency responses in first 72 hours or routes essential for economic recovery.



CITY OF PORTLAND
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BRIDGE NO. 145
STEEL BRIDGE - E SIDE RAMP (LRT) AT UPRR TRACKS

DESCRIPTION

Year Built:	1952
Year(s) Rehabilitated:	1984/2005/2008
NBI Bridge Number:	06683C
Bridge Type:	Vehicular
Material Type:	Concrete
Bridge Length:	289 FT
Deck Width:	31 FT
Wearing Surface:	Concrete

2012/2013 APPRAISAL

PDOT Condition Rating:	FAIR
Sufficiency Rating:	62.5
NBI Suffiency Status:	Functionally Obsolete
Deck (NBI #58):	6
Super (NBI #59):	6
Sub (NBI #60 or #62):	7
Fracture Critical:	NO
Vertical Clearance:	21'-00"

LOAD RATING & POSTING

Operating Rating:	0 TONS
Inventory Rating:	0 TONS
Load Rating Type:	BRASS
Design Vehicle:	HS-20
Posting Status:	No Posting

ROUTE INFORMATION

Freight Route:	NO
Priority 1 Seismic Lifeline Route:*	NO
Priority 2 Seismic Lifeline Route:**	NO
Emergency Response Route:	YES
Designated Transit Route:	LRT, #4, 8, 44,77

BICYCLE INFORMATION

Bikeway Designation:	None
Bikeway Adequacy:	…

PEDESTRIAN INFORMATION

Designated City Walkway:	NO
Sidewalk Adequacy:	N/A

LOCATION

1/4 Section:	2930
Thomas Guide Page:	596
Thomas Guide Coordinate:	G-5

TRAFFIC

ADT:	109
Bypass Detour:	0 miles

KNOWN UTILITIES	Information not available
HISTORIC SIGNIFICANCE	Not Historic

BRIDGE NEEDS (Risk Assessment Rank: 69)

Seismic Need:	LOW VULNERABILITY
Overall Bridge Need:	NO MAJOR WORK

Age (Years):	62 Years
Estimated Need ($):	$0
Est. Replacement Cost:	$4,446,125

Current Inspection Date: 6/6/2013

Previous Owner: ODOT

*Priority 1: Routes essential for emergency responses in first 72 hours after an incidence.

**Priority 2: Routes desirable for emergency responses in first 72 hours or routes essential for economic recovery.

CITY OF PORTLAND
Bridge Management System
2014

BRIDGE NO. 146
STEEL BRIDGE - E SIDE RAMP (From Interstate) AT UPRR TRACKS

DESCRIPTION

Year Built:	1952
Year(s) Rehabilitated:	1984/1994/2008
NBI Bridge Number:	06683D
Bridge Type:	Vehicular
Material Type:	Concrete
Bridge Length:	318 FT
Deck Width:	40 FT
Wearing Surface:	Concrete

2012/2013 APPRAISAL

PDOT Condition Rating:	FAIR
Sufficiency Rating:	46.0
NBI Suffiency Status:	Functionally Obsolete
Deck (NBI #58):	5
Super (NBI #59):	6
Sub (NBI #60 or #62):	7
Fracture Critical:	NO
Vertical Clearance:	21'-00"

LOAD RATING & POSTING

Operating Rating:	0 TONS
Inventory Rating:	0 TONS
Load Rating Type:	BRASS
Design Vehicle:	HS-20
Posting Status:	No Posting

ROUTE INFORMATION

Freight Route:	NO
Priority 1 Seismic Lifeline Route:*	NO
Priority 2 Seismic Lifeline Route:**	NO
Emergency Response Route:	YES
Designated Transit Route:	#35

BICYCLE INFORMATION

Bikeway Designation:	Path
Bikeway Adequacy:	Substandard

PEDESTRIAN INFORMATION

Designated City Walkway:	YES
Sidewalk Adequacy:	Adequate

LOCATION

1/4 Section:	2930
Thomas Guide Page:	596
Thomas Guide Coordinate:	G-5

TRAFFIC

ADT:	8,087
Bypass Detour:	1 mile

KNOWN UTILITIES	Information not available
HISTORIC SIGNIFICANCE	Not Historic

BRIDGE NEEDS (Risk Assessment Rank: 24)

Seismic Need:	LOW VULNERABILITY
Overall Bridge Need:	NO MAJOR WORK
Age (Years):	62 Years
Estimated Need ($):	$0
Est. Replacement Cost:	$6,312,614

Current Inspection Date: 6/6/2013

Previous Owner: ODOT

*Priority 1: Routes essential for emergency responses in first 72 hours after an incidence.

**Priority 2: Routes desirable for emergency responses in first 72 hours or routes essential for economic recovery.

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BRIDGE NO. 037
STEEL BRIDGE - SIGN BRIDGE (To Oregon St) AT
OREGON ST RAMP - STEEL BRIDGE (SIGN BRIDGE)

DESCRIPTION

Year Built:	1986
Year(s) Rehabilitated:	N/A
NBI Bridge Number:	0M535
Bridge Type:	Sign Bridge
Material Type:	Steel Truss
Bridge Length:	50 FT
Deck Width:	4 FT
Wearing Surface:	N/A

2012/2013 APPRAISAL

PDOT Condition Rating:	VERY GOOD
Sufficiency Rating:	N/A
NBI Suffiency Status:	N/A
Deck (NBI #58):	N/A
Super (NBI #59):	8
Sub (NBI #60 or #62):	8
Fracture Critical:	NO
Vertical Clearance:	

LOAD RATING & POSTING

Operating Rating:	#N/A
Inventory Rating:	#N/A
Load Rating Type:	#N/A
Design Vehicle:	
Posting Status:	N/A

ROUTE INFORMATION

Freight Route:	NO
Priority 1 Seismic Lifeline Route:*	NO
Priority 2 Seismic Lifeline Route:**	NO
Emergency Response Route:	NO
Designated Transit Route:	NO

BICYCLE INFORMATION

Bikeway Designation:	None
Bikeway Adequacy:	N/A

PEDESTRIAN INFORMATION

Designated City Walkway:	N/A
Sidewalk Adequacy:	N/A

LOCATION

1/4 Section:	2930
Thomas Guide Page:	596
Thomas Guide Coordinate:	G-5

TRAFFIC

ADT:	N/A
Bypass Detour:	N/A

KNOWN UTILITIES	Information not available
HISTORIC SIGNIFICANCE	Not Historic

BRIDGE NEEDS (Risk Assessment Rank: 149)

Seismic Need:	LOW VULNERABILITY
Overall Bridge Need:	NO MAJOR WORK
Age (Years):	28 Years
Estimated Need ($):	$0
Est. Replacement Cost:	$82,712

Current Inspection Date: 6/22/2012

Previous Owner: ODOT

*Priority 1: Routes essential for emergency responses in first 72 hours after an incidence.

**Priority 2: Routes desirable for emergency responses in first 72 hours or routes essential for economic recovery.