

# OAHF INVENTORY

1. SITE I.D. NO

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2. Classification

Bridges, Trestles, and Aqueducts

3. PRIORITY

1

4. DANGER OF DEMOLITION?  
(SPECIFY THREAT)

YES  NO  UNKNOWN

MOVE: bascule

7 6 5 0

5. DATE

1931

6. GOVT SOURCE OF THREAT

OWNER ADMIN

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7. OWNER/ADMIN

King County

8. NAME(S) OF STRUCTURE

14th Avenue South Bridge

9. OWNER'S ADDRESS

County Engineer  
King County Courthouse  
Seattle, Washington 98104

10. STATE

W A

COUNTY NAME

CITY/VICINITY

CONG. DIST.

0 3

STATE

COUNTY NAME

CITY/VICINITY

CONG. DIST.

0 3 3 King

Seattle

COUNTY

11. SITE ADDRESS (STREET & NO)

Crossing: Duwamish River

S.T.R.: 32 24N 4E

12. EXISTING SURVEYS

NR  NHL  HABS  HAER-I  HAER  NPS  CL6  
 CONF  STATE  COUNTY  LOCAL  OTHER

13. SPECIAL FEATURES (DESCRIBE BELOW)

INTERIOR INTACT  EXTERIOR INTACT  ENVIRONS INTACT

14. UTM ZONE	EASTING	NORTHING	SIGN
10	548840	5268540	

SCALE	QUAD NAME
<input checked="" type="checkbox"/> 1:24 <input type="checkbox"/> 1:62.5 <input type="checkbox"/> OTHER	Seattle South, Washington

14. UTM ZONE	EASTING	NORTHING	SIGN

SCALE	QUAD NAME
<input type="checkbox"/> 1:24 <input type="checkbox"/> 1:62.5 <input type="checkbox"/> OTHER	

15. CONDITION 70  EXCELLENT 71  GOOD 72  FAIR 73  DETERIORATED 74  RUINS 75  UNEXPOSED 76  ALTERED 82  DESTROYED 85  DEMOLISHED

16. INVENTORIED BY

Lisa Soderberg

AFFILIATION

HAER/Washington State Bridge Inventory

DATE

June 1980

17. DESCRIPTION AND BACKGROUND HISTORY, INCLUDING CONSTRUCTION DATE(S), HISTORICAL DATE(S), PHYSICAL DIMENSIONS, MATERIALS, EXTANT EQUIPMENT, AND IMPORTANT BUILDERS, ENGINEERS, ETC.

The 14th Avenue South Bridge was constructed across the Duwamish River in 1931 by the King County Engineering Department. This Scherzer Rolling Lift Bascule Bridge consists of two 95 foot leaves. The total structure which is 1285 feet long is composed of 26 concrete slab approach spans, and provides a roadway 38 feet wide, curb to curb. The bridge was designed by the Scherzer Rolling Lift Bridge Company of Chicago, and the steel for the structure was fabricated by the Wallace Bridge and Structural Steel Company.

The Duwamish River Bridge is the only Scherzer Rolling Lift Bascule Bridge within the State. It represents a bridge type that was developed by William Scherzer in 1895. In this type, the leaf rotates on a quadrant which rolls along horizontal track girders. In contrast to the fixed position of axis rotation of the trunnion bascule, the axis of rotation of the Scherzer Bridge has a "motion of translation longitudinally with the structure." Consequently,

18. ORIGINAL USE

vehicular

PRESENT USE

vehicular

ADAPTIVE USE

19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER

County Engineering Department files.

20. URBAN AREA 50,000 POP. OR MORE?  YES  NO

21. HCRS Region

NW

22. PUBLIC ACCESSIBILITY

YES, LIMITED  YES, UNLIMITED  
 NO  UNKNOWN

23. EDITOR INDEXER

24. LOCATED IN AN HISTORIC DISTRICT?

YES  NO

NAME

DISTRICT I.D. NO

(CONT OVER)

