

4669

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 12 1932

Acc. No. _____

FORM 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Washington

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No.

4669

LOCALITY

George Washington Memorial Bridge

and its approaches located in

Seattle, Washington.

1932

CHIEF OF PARTY

F. H. HARDY, H. & G. E.

U. S. GOVERNMENT PRINTING OFFICE: 1928

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC FIELD SHEET OF THE
GEORGE WASHINGTON MEMORIAL BRIDGE
AND ITS APPROACHES IN SEATTLE, WASHINGTON

SEATTLE FIELD STATION

F.H.HARDY, INSPECTOR

Instructions dated January 27, 1932

AREA SURVEYED:

This sheet includes surveys of the George Washington Memorial Bridge and its approaches, located in Seattle, Washington, spanning Lake Union.

GENERAL DESCRIPTION:

The approaches on the north side of the bridge are still under construction. These are indicated by dotted lines. On the north the survey extended to North 39th Street including the various approaches to the bridge. Practically all the names of the streets joining into the bridge are unnamed.

On the south side of the bridge the survey connects with Dexter Avenue. There are two approaches to the bridge from Dexter Avenue, and the main approach as indicated on the sheet is under construction.

CONTROL:

The Triangulation stations "Big Z", Square Belfry, Umbrella Shaped Cupola, Power and Capital Hill Tower, established in 1915 and N.G.W.M.B. and S.G.W.M.B. and Dexter established in 1932, were used for control of this survey.

SURVEY METHODS:

This survey was made by planetable.

A traverse was run from triangulation station S.G.W.M.B. to the triangulation station Dexter. All traverse stations were checked by three point fixes. South from triangulation station Dexter the topography was done by setting up on Dexter and roding in all the territory southward. All declined sights were converted to their respective horizontal distances. All rod readings on this sheet were taken on the curb line or proposed curb line except on the bridge proper where rod readings were taken along the rail.

The approaches on the North side of the bridge were roded in from triangulation station N.G.W.M.B. with two additional traverse stations to the right and left of triangulation station N.G.W.M.B.

A tracing was made of Dexter Avenue and its approaches and reduced to correspond with the scale on Chart No. 6447. This tracing was superimposed on the Chart. Dexter Avenue did not check in azimuth or distance with that on the Chart. It was presumed that Dexter Avenue was plotted on Chart No. 6447 from the City Engineer's plan of the City of Seattle.

*curb line
line
road
line by
the
not properly
line
H.K.*

The position of Dexter Avenue should be accepted because it was cut in from Triangulation station Dexter.

The bridge is well lighted at night.

information furnished by
Clearance of Bridge 135 Feet
U.S. Army Engineers

Respectfully submitted:

Chester J. Beyma.
Chester J. Beyma, Aid
U.S. Coast & Geodetic Survey.

Approved and forwarded:

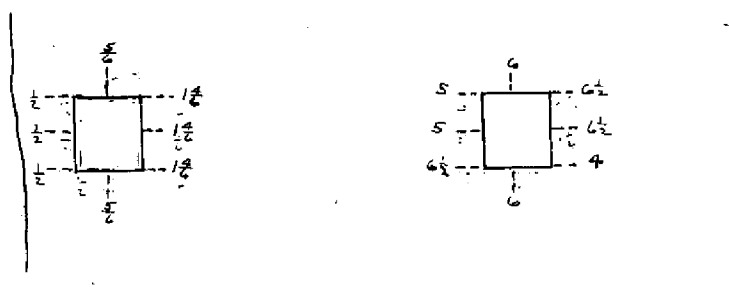
Reviewed by:

F.H. Hardy
F.H. HARDY, Inspector,
Seattle Field Station.

R.W. Knox
R.W. Knox, H.&G.E.
U.S. Coast & Geodetic Survey.

Depth of Lake Union Alongside of Piers
Depth in Fathoms
Taken Alongside Edge of Pier.

N →



T-4669

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

Duplicat

LANDMARKS FOR CHARTS

Seattle, Wash.

APR 11 27

19 32

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

FitzGerald

Chief of Party.

[illegible]

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4669

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. -----

REGISTER NO. 4669

State WASHINGTON

General locality Seattle

Locality George Washington Memorial Bridge

Scale 1:5,000 Date of survey April, 19~~7~~² 32

Vessel U

Chief of Party F.H. HARDY

Surveyed by C.J.Beyma (Under direct supervision of R.W.Knox)

Inked by C.J. Beyma

Heights in feet above.....to ground ~~to tops of trees~~

~~CONFIDENTIAL - SECURITY INFORMATION~~ ~~TOP SECRET~~

Instructions dated January 27, 1971

Remarks: _____