Bridge Inspection Report

Br. No. DOC-7
SID 00200442
Br. Name MCNEIL IS. STILL HARBOR TRESTLE

General Information:
Inspector's Signature: ABK
Cert #: G1220
Cert Exp Date: 1/12/2022

Co-Inspector's Signature: LAW

Inspections Performed:

<table>
<thead>
<tr>
<th>Report Type</th>
<th>Inspection Type</th>
<th>Date</th>
<th>Freq</th>
<th>Hours</th>
<th>Inspector</th>
<th>Cert No</th>
<th>Co-Inspection</th>
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<tbody>
<tr>
<td>Routine</td>
<td>Alignment (1661)</td>
<td>4/27/2021</td>
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<td>Operating Tons (1552)</td>
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Inspection Flags:
- Soundings (2693)
- Measure Clearance (2694)
- Revise Rating (2688)
- Photos (2691)
- QA Flag (2695)

BMS Elements:

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<th>CS 2</th>
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Notes:
- ORIENTATION:
  The McNeil Island Still Harbor trestle includes the concrete piles and fixed concrete walkway.
  For location reference: Offshore is north, shore is south, left side is west, and right side is east.
  Underwater inspections for this facility are not necessary if Routine Inspection is done at low tide.

- CONCRETE ABUTMENT:
  This abutment consists of a precast deck cantilevered 5' from Pier 1 (photo #3).
  The retaining wall was previously used as the abutment of the old dock in Still Harbor.
Notes (Continued)

8109 PRESTRESSED CONCRETE MULTIPLE WEB GIRDER:
About half of the girders have very light leaching cracks, typically near the piers.
Span 1 has a leaching crack at Pier 2, 5 lf. (photo #4).
Pier 2 end diaphragm has a delamination on the right web of Span 1 (photo #5).
Pier 5 end diaphragm has delaminations adjacent to the interface with the bottom of the P/S girders.
Pier 7 end diaphragm has a delamination at the left web of Span 7 (photo #6).

8125 CONCRETE SUBMERGED PILE/COLUMN:
Many of the piles are not placed symmetrically (photo #7). Pier 2 shown in the photo results in an unbalanced loading on the piles.

8132 CONCRETE PIER CAP/CROSSBEAM:
Pier 3 concrete cap was widened 6" to accommodate misplaced Pile 3A (photo #8).
Pier 4 and Pier 5 caps both were widened 6" to accommodate misplaced piles (photo #9).

8408 STEEL SLIDING PLATE JOINT:
Steel sliding plate joint located at beginning of bridge.

8817 TIMBER PEDESTRIAN RAILING:
Timber pedestrian rail consisted of 702 lf. on the concrete pier and 23 lf. on the retaining wall.

<table>
<thead>
<tr>
<th>Repair No</th>
<th>Pr</th>
<th>R</th>
<th>Repair Descriptions</th>
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<th>Maint</th>
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Inspections Performed and Resources Required

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**SI-1**
- Orientation: 0
- Photo Type: E - Elevation
- Orientation: NE
- Date: 4/18/2013
- Repairs: Still Harbor Trestle looking NE.

**SI-2**
- Orientation: 0
- Photo Type: E - Elevation
- Orientation: SW
- Date: 5/23/2013
- Repairs: Trestle elevation looking SW.
**BRIDGE INSPECTION REPORT**

**Br. No.** DOC-7

**Carrying**

**Intersecting**

**SI-3**

- 8102 Concrete Abutment
- **Photo Type:** G - General
- **Orientation:** Left
- **Date:** 5/23/2013
- **Repairs:** Pier 1 supports 5 ft. of cantilevered precast deck.

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**SI-4**

- 8109 Prestressed Concrete Multiple Web Girder Units
- **Photo Type:** G - General
- **Orientation:** Sea
- **Date:** 5/23/2013
- **Repairs:** Span 1 has a leaching crack at Pier 2.
<table>
<thead>
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<th>Br. No.</th>
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<th>00200442</th>
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<tr>
<td>Pier 2 end diaphragm has a delamination on the right web of Span 1.</td>
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**SI-6**

8109 Prestressed Concrete Multiple Web Girder Units

- Photo Type: G - General
- Orientation: Shore
- Date: 5/23/2013

- Repairs:
  - Pier 7 end diaphragm has a delamination at the left web of Span 7.
Br. No. DOC-7
Carrying lin
Intersecting

SID 00200442
Br. Name MCNEIL IS. STILL HARBOR TRESTLE
Route On
Route Under

8125 Concrete Submerged Pile-
Photo Type: G - General
Orientation: Sea
Date: 5/23/2013
Repairs:
Many of the piles are not placed symmetrically.

SI-8
8132 Concrete Pier Cap-Crossbeam
Photo Type: G - General
Orientation: Left
Date: 5/23/2013
Repairs:
Pier 3 concrete cap was widened 6" to accommodate misplaced Pile 3A.
Br. No.  DOC-7
Carrying
Intersecting

SI-9

8132 Concrete Pier Cap-Crossbeam
Photo Type:  G - General
Orientation:  Sea
Date:  5/23/2013
Repairs:
Pier 4 and Pier 5 caps both were widened 6" to accommodate misplaced piles.