Washington State Department of Transportation

Underwater Inspection Report

Bridge Number	Route		Agency/Owner	Date
50912	East 11th Street		City of Tacoma	25-Jan-13

Bridge Name	Intersecting
Hylebos Waterway CS2746	Hylebos Waterway

Inspector	Identification No.	Hours on Site
Matt Perry	G1217	13.3

Dive Contractor
BergerABAM

Diver Name	Diver Name
Brett Ozolin, Scott Branlund	Matt Perry, Jeffrey Wilson

Structure Type	Substructure Type
Bascule	Concrete Bascule Foundation, Cocnrete Columns

Foundation Type	Number of Spans	Numbers of Piers in Waterway
Concrete Piers and Columns	6	5

8 Bents	4-5	
Abut/Pier Wall (2)		
Web Wall (3)		
Columns (4)		
Shaft (5)		
Piles (6)		
Bracing (7)		
7 Foundation (8)	8-9	
Footing (9)		
Seal (10)		
Piles (11)		
8 Scour (12)		
Scour Mitigat. (13)	12	
8 Channel (14)	14-17	
Steambed (15)		
Drift (16)		
Flow (17)		

Concrete Columns/Shafts
All six columns and associated drilled shafts are in good condition. Level II cleanings were performed on two of the six, with no idication of damage.

Concrete Piers
Both bascule foundations are in good condition. Small areas of poorly consolidated concrete and corner spalls were found in several locations. Small pockets of rust staining found throughout the structures, primarily in the intertidal zone.

Scour/Scour Mitigation/Channel
The sandy substrate around the bottom of each pier shows little signs of scour. The northwest corner of the east bascule foundation has some of the top of the footing exposed. Due to the thickness of the footing, scour was not rated as a concern.

Channel
The channel is well protected and appears to be stable.