TEC ASSOCIATES CONSULTING ENGINEERS

6 May 2014

Charlie Langston, COO
Shucks Maine Lobster
150 Main Street
Richmond, ME 04357

Re: Inspection of State Pier

Dear Charlie:

TEC Associates inspected the piles, bracing, and underside of the deck of the Maine State Pier on Tuesday 11 March 2014. The inspection was limited to the area between bents 15 and 17 and between column rows "c" and "b" as labeled on the attached inspection drawing. TEC employees Tim Dermody, EI and Bret Grenier, EI, performed the inspection.

The enclosed inspection drawing indicates our recommendation for the location of Hiperbaric unit. The piles within this area are adequate to support the loads imposed by the Hiperbaric unit and it is within the area you indicated. The final location of the unit should position the feet as close to the bent lines as possible, centered between bent line 16 and 16.5.

The underside of the concrete deck in this area has some minor spalling and exposed rebar. In an attempt to distribute the loads further and limit the shear stresses in the concrete floor, we are still exploring the possibility of placing the Hiperbaric unit on slightly raised pads. Please forward the manufacturers schematic of the feet when you are able.

We have reviewed the proposed skates that will move the machine into the building. They do little to reduce/distribute the heavy point loads of the machine. We will likely need to use some version of crane mats to help distribute the loads should they need to travel over the open floor space between pile lines.

Thank you for having us perform this work for you.

TEC Associates

Kyle Fair

Kyle Fair, PE

Enclosure

46 Sawyer Street South Portland, Maine 04106
207/767-6068 FAX 207/767-7125

INSPECTION NOTES

BENT 15.5 PILE 2 - HEART ROTTED AT LOWER BOLT HOLE, APPROX 40% EFFECTIVE.
PILE 3 - ROTTED HEAVY, APPROX 10% EFFECTIVE..
PILE 5 - HEART ROTTED, APPROX 50% EFFECTIVE.
BRACE - NORTH AND SOUTH TRANSVERSE BRACING MISSING.

BENT 16 EAST PILE CLUSTER- (4) PILES
- MINOR SPALLING AT CORNERS OF CONCRETE CAP.
- SHIMS BETWEEN PILES AND CONCRETE ARE VERY WEATHERED.
- NORTHEAST PILE SLACKS 1½" AT TOP.

PILE 2 - ROTTED HEAVY, APPROX 25% EFFECTIVE.
PILE 3 - MINOR ROT AT BOTTOM ON EAST FACE.
BRACE - NORTH AND SOUTH TRANSVERSE BRACING MISSING.

WEST PILE CLUSTER- (4) PILES
- BOTTOM CORNERS SPALLING SOME. HEAVIER SPALLING ON NORTH AND SOUTH CORNERS.
- NORTHWEST PILE SLACKS 1 AT TOP.

SPAN 16 MINOR SPALL ON BOTTOM OF CONCRETE SLAB ADJACENT TO EAST CLUSTER.
MINOR SPALL ON BOTTOM OF CONCRETE SLAB ADJACENT TO WEST CLUSTER.

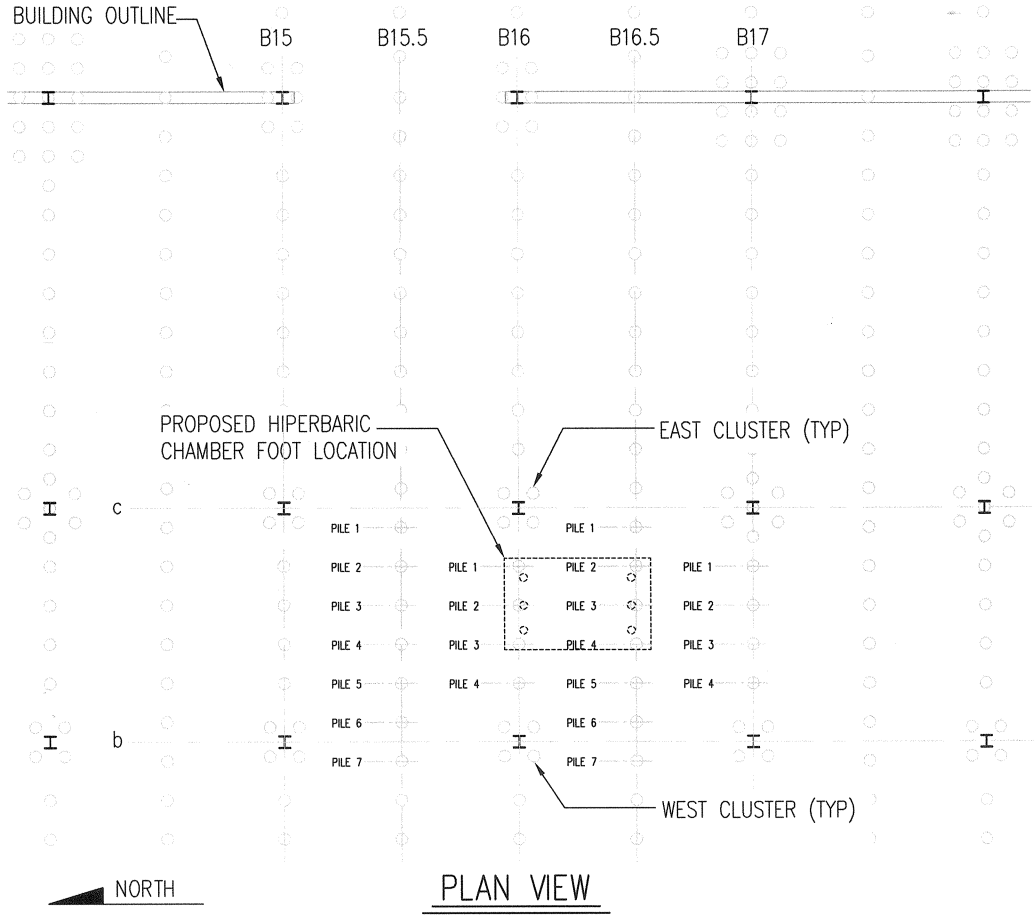
BENT 16.5 BRACE - NORTH AND SOUTH TRANSVERSE BRACING MISSING.
PILE 7 - ROTTED HEAVY, APPROX 40% EFFECTIVE.

BENT 17 EAST PILE CLUSTER- (8) PILES
- ONLY (4) PILES ARE BEARING.
- MINOR SPALLING AT CORNERS OF CONCRETE CAP.
- MOST SHIMS BETWEEN PILES AND CONCRETE ARE MISSING.
- NORTHWEST PILE ROTTED AT WATERLINE, APPROX 25% EFFECTIVE.
- SOUTHEAST CORNER PILE ROTTED SOME, APPROX 60% EFFECTIVE.

BRACE - NORTH AND SOUTH TRANSVERSE BRACING MISSING.

WEST PILE CLUSTER- (4) PILES
- NORTHWEST PILE ROTTED HEAVY, APPROX 25% EFFECTIVE.

SPAN 17 MINOR SPALL ON BOTTOM OF CONCRETE SLAB ADJACENT TO EAST CLUSTER.
MINOR SPALL ON BOTTOM OF CONCRETE SLAB ADJACENT TO WEST CLUSTER.



PLAN VIEW

NOTE: PILE LOCATIONS AND BUILDING OVERLAY IS APPROXIMATE.

MAINE STATE PIER
PORTLAND, MAINE

PIER INSPECTION NOTES

TEC ASSOCIATES CONSULTING ENGINEERS
45 SAWYER STREET SOUTH PORTLAND, MAINE 04106

SCALE	N.T.S.	DATE	3/13/2014
JOB NUMBER	DRAWN BY	DESIGNED BY	DRAWING NO.
13221-1	B.R.G.	-	1 OF 1