

**New Jersey Turnpike Authority
Engineering Department**

**Order for Professional Services No. T3847
2022 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 1
Milepost 0 to 67 and on the Pearl Harbor Memorial Turnpike Extension**

And

**Order for Professional Services No. T3848
2022 New Jersey Turnpike Authority Bridge Inspection Program
New Jersey Turnpike – Group 3
Milepost 105 to E118 and on the Newark-Bay Hudson County Extension**

**Responses to Inquiries
Request for Expressions of Interest**

1. **Inquiry:** In the RFEOI, page 20, #5 what is Typically details of the required Underwater Inspection and the qualification of the diving team?

Response:

For Bridge Nos. 0.42L, 7.85, 18.45, 24.61, and 40.96 in Group 1 and E117.16, E114.52, and E115.21 in Group 3, the Consultant shall perform an underwater inspection of those portions of the substructure that are below mean low water. This inspection shall be a hands-on inspection performed by a qualified dive team. A Professional Engineer, licensed in the State of New Jersey, shall be present when the underwater inspection is performed. A diving report containing observations of noted conditions shall be submitted. The inspection shall be a Type 2 classification in accordance with NJDOT's Underwater Inspection Evaluation of New Jersey Bridges Guideline Manual, June 1994, and all associated revisions. The underwater inspections are in addition to the requirements of the routine biennial inspections (not in place of) and shall be performed at the time of the initial routine bridge inspection. Bridges that have a depth of water not less than 4 feet at the substructure units shall have underwater inspections performed. The depth of water in the channel near the substructure units must be verified by the Team Leader prior to the underwater inspection, to verify that an underwater inspection is indeed required.

The minimum size of a dive team shall be three (3) as follows:

- I. Commercial Scuba Air Diving
- a. Designate Person-in-Charge (DPIC)
 - b. Standby Diver
 - c. Diver (line tended)

II. Commercial Surface – Supplied Air Diving

- a. DPIC
- b. Diver
- c. Tender

The requirements for diver and dive team training are as follows:

The diver shall have successfully completed NHI Course No. 130091 – Underwater Bridge Inspection within the last 5 years. The diver/diver team's NHI certificate shall be submitted with the EOI. The diver shall be commercially trained at an Association of Commercial Diving Educators (ACDE) accredited school complying with the requirements of ANSI/ACDE-01-1993, "Commercial Diver Training – Minimum Standard". A military diving school meeting the same standards is also acceptable training.

In lieu of meeting the requirements of above, a diver may be trained through either field experience or a combination of formal diving training and field experience. The OSHA diving standard (29-CFR 1910.410) specifies that all dive team members (i.e., divers and support employees involved in diving operations including the DPIC) must have experience or training in the use of tools, equipment, systems, techniques, diving operations and emergency procedures which pertain to their assigned tasks and diving modes (i.e., scuba diving on air, surface supplied diving on air or mixed gas diving). Additionally, dive team members who are exposed to hyperbaric conditions (e.g., diver) or control the exposure of others to hyperbaric conditions (e.g., DPIC or decompression chamber operator) must be trained in diving related physics or physiology. The level of training required by the standard depends upon the particular experience or function an employee fulfills on a dive team, the specific underwater operational tasks being performed and the diving mode to which the employee is assigned.

Records of all diver or dive team training shall be maintained by the diving company and shall be available for inspection.

All dive team members shall be trained in cardiopulmonary resuscitation and standard first aid (American Red Cross Standard).

2. Inquiry: In the RFEOI, Page 21; The RFP is requesting the stenciling of the parapet barriers at selected bridges in both groups, however the same bridges have been stenciled recently during the 2020 biennial cycle. Please clarify whether this task should be removed from the scope of work or it is the NJTA's intention to stencil different bridges than what's listed in the RFP?

Response: The RFEOI, Page 21 states "If the stenciling requires any update, it shall be performed at the time of the routine biennial inspections." It is based on field conditions and shall remain in the SOW.