Description – The latest changes to the National Bridge Inspection Standards (NBIS), which became effective January 13, 2005, require FHWA-approved bridge inspection training for all divers conducting underwater inspections. One method of meeting this requirement is the completion of an FHWA-approved underwater diver bridge inspection training course. Satisfactory completion of this 4-day course will fulfill the NBIS requirement. This course provides an overview of diving operations that will be useful to agency personnel responsible for managing underwater bridge inspections. Course topics include: methods of underwater inspection, underwater material deterioration mechanisms and inspection techniques, scour inspection techniques, underwater element-level rating, and underwater bridge inspection training. A final examination based on course content will be administered to participants.

Who Should Attend? – This course is intended for trained divers who require a knowledge base of underwater bridge inspection and evaluation techniques in order to meet the educational requirements of the NBIS for underwater bridge inspection training. This course would also be of interest to non-diver bridge inspectors, and FHWA, state, and local agency structural engineers.

AGENDA – 4 Days – 8:00am to 4:45pm

Day 1
Welcome & Introduction – Overview of Bridge Inspection Programs, Bridge Types & Loadings, Methods of Underwater Inspection, Diving Inspection Intensity Levels

Day 2
Tactile Inspection Methods, Inspection Planning & Hazard Analysis, Steel Substructures, Concrete & Masonry Substructures, Composite Materials

Day 3
Timber Substructures, Scour Behavior, Scour Inspection Techniques, Documentation-NBI Data, Documentation-Element Level

Day 4
Additional Documentation, Underwater Bridge Inspection Planning Exercise, Review of Planning Exercise, Final Exam and Wrap-Up

Total Contact Hours = 24.0 (with break times subtracted). Lunch is “on your own” each day.

Instructors – (Tentative) David Cornish, P.E. and Jeffrey O’Connor, P.E., S.E.

Registration Information – LTAP is managing the registration process for ALL participants. The registration fee is $1,000 as established by NHI. No meals are provided; lunch is on your own. Any registrant requiring a reasonable accommodation during training (i.e., mobility or access) should contact Ohio LTAP prior to the course date so the appropriate arrangements can be made. Note: Registrants who will be unable to attend the training after registering are required to cancel a minimum of 21 days prior to the course start. Staff substitutions are encouraged. No refunds will be processed for cancellations less than 21 days prior to course start.

Please visit https://ltap.enrollware.com/schedule to access the online registration system. Select the course name from the Schedule page, and then scroll down to click on the session date/location highlighted in green font to proceed.

ODOT Employees Payment Information:
Please provide your District/Division _______ Cost Center _______
SAC _________ in the ADDITIONAL INFORMATION section (Q010) of the online registration form. The $1,000 fee will be charged to your account. Registrations submitted without payment information will not be processed.

Underwater Bridge Inspection – NHI

Columbus (CEN): December 9 - 12, 2019
ODOT Central Office, Room GB (lower level)
1980 W. Broad St. (43223)

Fee: $1,000.00 (per NHI)

If you have any questions regarding your registration, please contact Ohio LTAP at ltap@dot.ohio.gov or (614) 387-7359.