

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Manisha Juthani, MD
Commissioner



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Governor
Susan Bysiewicz
Lt. Governor

Drinking Water Section

May 27th, 2022

Jeffrey Pfaffinger, P.E., Project Manager
Connecticut Department of Transportation, Bureau of Engineering and Construction
2800 Berlin Turnpike
Newington, CT 06131

RE: Notice of Scoping for Intersection Improvements on Route 10 & 322, Removal of Bridge 00518 and Replacement of Bridges 00646 & 05753

Dear Mr. Jeffrey Pfaffinger:

The Department of Public Health Drinking Water Section's Source Water Protection Unit has reviewed the project in the referenced Notice of Scoping for Intersection Improvements on Route 10 & 322, Removal of Bridge 00518 and Replacement of Bridges 00646 & 05753 for potential impacts to any sources of public drinking water supply. Please refer to the attached report for our comments.

If you have any questions, you may contact Lisette Stone of this office at lisette.stone@ct.gov.

Sincerely,

Eric McPhee

Eric McPhee
Supervising Environmental Analyst
Drinking Water Section

Cc: Douglas R. Arndt, Southington Water Department
Albert Fiorillo, Southington Water Department
Thomas Chyra, Western Compliance Region, DWS
Susan Lonczak, Plainville-Southington Regional Health District



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MEMORANDUM

From: Lisette Stone, Environmental Analyst
Source Water Assessment and Protection Unit
Drinking Water Section

Subject: Notice of Scoping for Intersection Improvements on Route 10 & 322,
Removal of Bridge 00518 and Replacement of Bridges 00646 & 05753

DPH #: 2022-0075

Date: May 26th, 2022

The Department of Public Health Drinking Water Section (DWS) has reviewed the Notice of Scoping for Intersection Improvements on Route 10 & 322, Removal of Bridge 00518 and Replacement of Bridges 00646 & 05753 Notice regarding State Project No. 131-190.

The project is located within the Level A regulated Well 2 Aquifer Protection Area (APA) No. 125 and direct vicinity of active water mains utilized by Southington Water Department (PWSID CT1310011) which currently services 43,069 consumers. The nearest Public Water Supply Wellfield, Southington Water Department Well 2A (WSFID 61740) is located approximately 2,725 feet Southeast of the project location.

The proposed construction includes relocation of subsurface water, sewer and gas utilities, along with surface power, telephone and cable utilities. It is recommended that the Department of Transportation consult with all utility providers, including the Southington Water Department, and Plainville-Southington Regional Health District to ensure any activity regarding the relocation of subsurface and surface utilities maintain the integrity of the associated distribution systems.

It is recommended that the Department of Transportation work closely with the Southington Water Department (SWD) and Plainville-Southington Regional Health District to ensure there is no disruption of service or compromise in water quality distributed to the consumers of the associated water utility.

As the project is located within the Level A regulated Well 2 APA, it is recommended that all machinery associated with construction activities be serviced and refueled outside of the APA. In the event it is necessary to refuel within the APA, this should be conducted on an impervious pad with secondary containment designed to contain fuels. All fuel and other hazardous materials should not be stored within the APA. Any fuel or hazardous materials that must be kept within the APA during working hours should be stored on an impervious surface utilizing secondary containment. A fuel spill remediation kit should be stored on-site so that any spills may be contained and cleaned quickly. Southington Water Department personnel should be allowed to periodically inspect this project to ensure that drinking water quality is not being adversely impacted.