Appendix A - Permits
Project # - DEPA00013203710
Replacement of CT DEEP Bridge E159

Bookmark Summary

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US Army Corps of Engineers ®

Appendix E: Self-Verification Notification Form

New England District

This form is required for all inland projects in Connecticut, but it is not required if work is done within boundaries of Mashantucket Pequot or Mohegan Tribal Lands. At least two weeks before work commences, complete all fields (write "none" if applicable) below, send this form, Official Species List (see GC 12), documentation of THPO and SHPO notifications if applicable, site location map, project plans (not required for projects involving the installation of construction mats only) and any State or local approval(s) to:

Regulatory Division, Branch B	CT DEEP					
U.S. Army Corps of Engineers	79 Elm Street					
696 Virginia Road and	Hartford, CT 06106-5127					
Concord, MA 01742-2751	DEEP.LWRDRegulatory@ct.gov					
or cenae-r-ct@usace.army.mil	8 ,0 8					
or control of the state of the						
State Permit Number: <u>N/A</u>	Date of State Permit:					
	Permittee: Connecticut Department of Energy and Environmental Protection (Sam Lindgren)					
Address, City, State & Zip: 163 Great Hill Roa						
Phone(s) and Email: 860-990-9318 Sam.Lind	gren@ct.gov					
Agent: Macchi Engineers (Jenna Bogaczyk)	<u> </u>					
Address, City, State & Zip: 44 Gillett St Hart						
Phone(s) and Email: 860-549-6190 jbogaczyl	k@macchiengineers					
	,					
Contractor:Address, City, State & Zip:	· · · · · · · · · · · · · · · · · · ·					
Address, City, State & Zip:						
Phone(s) and Email:						
Project Name: Replacement of Covered Br						
Project Location (provide detailed description	& locus map):					
Address, City, State & Zip:						
Address, City, State & Zip: Lat. ° N, Long ° (Decimal Degrees): 41° 22' 3	36.5694" N -72° 35' 39.498"					
Waterway Name: Chatfield Hollow Brook	4					
Proposed Work Dates: Start: <u>TBD</u>	Finish: TBD					
•						
Work will be done under the following GPs (c	ircle all that apply):					
2 5 6 9 10 11 12 13 14 15 17	7 18 (19) 21					
Area of Wetland Impacts (SF): Permanent:	Temporary:					
*						
Area of Waterway Impacts (SF): Permanent:	370 Temporary: 1050					
TOTAL Project Impact (SF): Permanent:	570 Temporary: 1050					

Describe the specific work that will be undertaken in waters and wetlands:			
The State of Connecticut is removing the existing covered pedestrian bridge and replacing it with a new structure.			
The existing bridge superstructure has already been removed. Two abutments and a center pier remain.			
The stone abutments will be replaced with stamped concrete and the center pier will be completely removed			
allowing for better stream flow. Work in stream will be done with the use of cofferdams.			
Have the THPOs and the CT SHPO been notified of the proposed work per the procedures in GC 11? If			
so, attach any responses received to this form.			
Yes X date contacted 4/10/24 No			
Are there Federally listed endangered/threatened species, other than the northern long-eared bat, present?			
(see GC 12) Yes No X			
C Ci CAV CAV N V			
Confirm no SAVs are present or will be impacted: Yes No X Applicable to GPs:			
2 5 6 9 10 11 12 13 14 15 17 18 19 21			
2 3 0 3 10 11 12 13 14 13 17 10 13 21			
Confirm no unconfined work with impact to diadromous fish (see App. H): Yes No X			
Applicable to GPs:			
2 5 6 9 10 (19)			
Confirm work complies with Stream Crossing BMPs (see App. G): Yes X No			
Applicable to GPs:			
2 6 17 (19)			
If GP 19 and work does not comply with Appendix G, identify date of Interagency Meeting where			
waiver was granted: Date of Meeting: USACE:			
administration of Babitaness o			
Will your project include any secondary effects? (Secondary effects include, but are not limited to,			
non-tidal waters or wetlands drained, flooded, fragmented, or mechanically cleared resulting from a			
single and complete project. See Appendix F - Definitions.) If YES, describe here:			
No, work will be contained by de-watering areas of construction and returned to its natural flow before			
_project conclusion.			
Your signature below, as permittee, indicates that you accept and agree to comply with the terms,			
eligibility criteria, and general conditions for Self-Verification under the Connecticut GPs.			
Digital grad by Samuel Lindysis DV Delat E-asan instrung appropriate O-Convected A IOC IOCO A			
Permittee Signature: Samuel Lindgren Samuel Lindgren Samuel Lindgren Despring tripted by Samuel ledger. DeCorrected Dispring tripted by Samuel Samuel Samuel Despring to Samuel Samuel Despring tripted by Samuel Samuel Date: 4/26/2024			

From: Jenna Bogaczyk

To: Lindgren, Samuel

Cc: Cooley, David; Herb May

Subject: Fw: 20240516-NAE-2024-01326-SV-APP.pdf **Date:** Tuesday, July 16, 2024 3:00:48 PM

Attachments: Outlook-Descriptio

20240516-NAE-2024-01326-SV-APP.pdf

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Hi Sam,

As discussed, please see the ACOE email response to receiving the CHSP SV below.

Jenna



Jenna Bogaczyk, P.E.

jbogaczyk@macchiengineer.com 44 Gillett Street, Hartford, CT 06105 (860) 549-6190

From: Chaisson, Bettina M CIV USARMY CENAE (USA) <Bettina.M.Chaisson@usace.army.mil>

Sent: Thursday, May 16, 2024 2:17 PM

To: Jenna Bogaczyk <jbogaczyk@macchiengineers.com>; sam.lindgren@ct.gov <sam.lindgren@ct.gov>

Subject: 20240516-NAE-2024-01326-SV-APP.pdf

We received your Self-Verification Notification Form (SVNF) for the General Permits for Connecticut (GPs for CT) indicating that you plan to conduct work in our jurisdiction. We have logged this into our database and assigned it file number NAE-2024-01326. Please reference this number in any future correspondence with us.

By submitting the SVNF, you are self-verifying that your project is authorized under, and meets the terms and conditions of, the applicable GPs with no review by the Corps of Engineers. Activities that do not qualify for SV require a PCN to the Corps.

Please contact me with any questions,

Bettina Chaisson Permits & Enforcement Branch From: Daddona, Caitlin M To: Lindgren, Samuel

Jenna Bogaczyk; Sigmund, William; Ashe, Farrah Cc:

Subject: License #202406793-GPCST, CTDEEP Engineering Services, Killingworth

Date: Monday, August 19, 2024 2:00:07 PM

Attachments: image002.png

image003.png image004.png image005.png image006.png image007.png

IMPACTS DWG W TABLE.pdf Plan Sheets 4.9.2024.pdf

image001.png

Good Morning,

I am writing to notify you that your proposed activities associated with The Connecticut Department of Energy and Environmental Protection Environmental Interest No. 202406793-GPCST have been reviewed and determined eligible for authorization under the State of Connecticut General Permits for Water Resource Construction Activities, Activity 10, on this date, August 19th, 2024.

Thank you for coordinating with The Connecticut Department of Energy and Environmental Protection in the best interest of Environmental Resources within your scope of work.

Caitlin Daddona (She/hers)

Environmental Analyst Land and Water Resources Division (LWRD) - Regulatory Infrastructure Connecticut Department of Energy & Environmental Protection (CT DEEP) 79 Elm Street, Hartford, CT 06106-5127 p: 860.424.3684 | caitlin.daddona@ct.gov



Conserving, improving, and protecting our natural resources and environment; Ensuring a clean, affordable, reliable, and sustainable energy supply.









f y o l in | <u>portal.ct.gov/DEEP</u>



Bureau of Natural Resources Fisheries Division

DEEP Fisheries Consultation Form

To the Applicant - Prior to the submission of your license application to the Connecticut Department of Energy & Environmental Protection (DEEP) Water Planning and Management Division (WPMD) or Land and Water Resources Division (LWRD) or Water Permitting and Enforcement Division (WPED), please complete Part I below and e-mail the following to deep.inland.fisheries@ct.gov:

- 1. this completed DEEP Fisheries Consultation Form;
- 2. a site location map,
- 3. a PDF version of the proposed project plans including a site survey of existing conditions (if available), and
- 4. photos of the site.

Fisheries Division staff will contact you if further details are needed. Once the Fisheries Division staff returns the completed form to you, please include the form, and any signed plans (if applicable) in your license application submittal to DEEP.

Part I: Applicant and Site Information (to be completed by APPLICANT)

•	oplicant/Registrant Information		
N			
Ci Bi Ci	ame: CT DEEP ailing Address: 163 Great Hill Road ty/Town: Portland usiness Phone: ontact Person: Samuel Lindgren mail Address: sam.lindgren@ct.gov	State: <u>CT</u> Ext.: Phone: <u>860-990-9318</u>	Zip Code: <u>06480</u> Ext:
N	ngineer/Surveyor/Agent Information (list as applicab ame: <u>Macchi Engineers</u> ailing Address: <u>44 Gillett Street</u>	le)	
	ty/Town: Hartford	State: CT	Zip Code: <u>06105</u>
C ₁	usiness Phone: <u>860-549-6190</u> ontact Person: <u>Jenna Bogaczyk</u> mail Address: <u>jbogaczyk@macchiengineers.com</u> ervice Provided: <u>Engineer Consultant</u>	Ext.: Phone: <u>860-549-6190</u>	Ext:
N A Ci P	te Location: ame of Site: Chatfield Hollow State Park Covered Bridge ddress of Site or Location Description: 41.37655N, 72.59 ty/Town: Killingworth arcel Location/Tax Assessor's Reference: Map 23 ame of Stream or Waterbody: Chatfield Hollow Brook		Zip Code: <u>06419</u> Lot
	new docks and marinas on tidal rivers; coastal/tidal dredging projects;	maintenance dredging beach nourishment cofferdam installation conducting construction ac Water Stream Habitat am, pond or lake; r bog hydrologically connected shydrologically connected	to a non-tidal/inland river, stream,

Part I: Applicant and Site Information (to be completed by APPLICANT) (continued)

- **5. DEEP Pre-application Contact:** Indicate name of permit analyst or engineer, if applicable. Bruce Williams and Joe Cassone (Pre-App meeting 3/21/24)
- **6. Project Description:** Provide or attach a brief, but thorough, description of the project including any measures to protect, enhance or restore fish populations:

This project will replace the existing covered pedestrian bridge located within Chatfield Hollow State Park with a bridge of similar aesthetic. One significant part of the project is the complete removal of the center bridge pier. This will open up the entire width of the stream for flow.

Part II: Fisheries Determination (To be completed by DEEP Fisheries Staff only)

To Fisheries Staff - This completed consultation form is required to be submitted as part of an application to DEEP. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project will significantly impact any fisheries or fisheries habitat. You may provide comments or recommendations regarding the proposal. Send this completed form to the applicant and copy the DEEP analyst, if known, or the applicable WPMD/LWRD/WPED Supervisor. If the proposed work **WILL** significantly impact any fisheries and/or habitat or if you have any comments or concerns regarding the regulatory review for this project, contact the DEEP analyst, if known, or the applicable WPMD/LWRD/WPED Supervisor.

DEEP FISHERIES DIVISION DETERMINATION		
Date Consultation Form received: 04/15/24		
Please check applicable boxes and return the completed Consultation Form to the applicant:		
☐ I have determined that the work described in Part I impact any fisheries and/or habitat;	of this form and attachments WILL NOT significantly	
I have determined that the work described in Part I of this form and attachments WILL NOT significantly impact any fisheries and/or habitat if the below Recommendations are followed ; and/or,		
I have determined that the work described in Part I of this form and attachments WILL NOT significantly impact any fisheries and/or habitat if the design features shown on the attached plans are incorporated. Fisheries staff to sign and date plans and return to the applicant with the completed Consultation Form.		
COMMENTS/RECOMMENDATIONS (or check here if these are attached following this page: X): 1. All unconfined in-water work should be restricted to the period from June 1 to September 30, inclusive. This prohibition does not include the installation or removal of water control structures such as cofferdams. 2. To return the thalweg of the stream to the middle of the channel and deepen the bridge pool, a rock weir should be constructed downstream of the bridge. Attached are DOT design specifications for rock weirs. It should be noted that the boulders that compose the center pier of the bridge are probably suitable for constructing the weir and Fisheries staff should be present during installation. Two weeks prior notice should be given to Fisheries staff for any activities that require their onsite presence.		
"By entering my name below, I agree that I am providing my legal signature, and am legally bound by the determination above."		
Bruce H Williams	04/24/24	
Signature of Fisheries Division Staff	Date	
Bruce H Williams	Senior Fisheries Biologist	
Print Name of Fisheries Division Staff	Title	





4/26/2024

Jenna Bogaczyk
MACCHI ENGINEERS LLC
44 Gillette St.
Hartford, CT 06105
jbogaczyk@macchiengineers.com

Subject: Chatfield Hollow Covered Bridge Replacement

Filing #: 110309

NDDB - New Determination Number: 202405295

Expiration Date: 4/26/2026

NDDB has reviewed the application and submitted materials for the project above. The following listed species is found within the vicinity of your project site:

• Eastern box turtle (Terrapene carolina carolina) – State Special Concern

Below, we have provided some notes on the general ecology of the species as well as protection measures.

In Connecticut, these turtles are found in well-drained forest bottomlands and a matrix of open deciduous forests, early successional habitat, fields, gravel pits, and or powerlines. Turtles are dormant between November 1 and March 31st and hibernate in only a few inches from the surface in forested habitat.

The greatest threat to this species is habitat loss, fragmentation, and degradation due to development. This species is very sensitive to adult mortality because of late maturity (10 years old) and long life span (50-100 years). Vehicular traffic, heavy equipment used for farming, and ATV use in natural areas are implicated specifically in adult mortality through collisions. Illegal collection by the pet trade and unknowing public for home pets exacerbates mortality rates and removes important individuals from the population. Predation rates are also unnaturally high because of increased predator populations (e.g. skunks, foxes, raccoons, and crows) that surround developed areas.

Protection Measures:

- Land disturbance activities need to consider local habitat features and apply fencing as appropriate. Work should be conducted between April 1st and October 31st. We recommend you consult with a herpetologist familiar with preferred habitats to assist you with proper techniques to ensure the best protection strategies are employed for your site and the scope of your project.
- To prevent turtle access and entry into your work zone between April 1- October 31st:
 - Exclusionary practices will be used to prevent any turtle access into disturbance areas. These
 measures will need to be installed at the limits of disturbance as shown on the plans, or
 specifically designated by a herpetologist who can assess the conditions at your site.
 - Exclusionary fencing needs to be at least 20 in tall and must be secured to and remain in contact

- with the ground and be regularly maintained (at least bi-weekly and after major weather events) to secure any gaps or openings at ground level that may let animal pass through.
- All staging and storage areas, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed to remove individuals and exclude them from re-entry.
- All construction personnel working within the turtle habitat must be apprised of the species description and the possible presence of a listed species.
- The Contractor must search the work area each morning prior to any work being done.
- Any turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and fencing should be inspected to identify and remove access point. This animal is protected by law and should not be relocated off-site.
- In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable and disturbance is finished to allow for reptile and amphibian passage to resume.

Regarding your intended plan to replace topsoil and seed disturbed areas, NDDB recommends utilizing onsite soils as much as possible. If outside soil is necessary, ensure that it is free of invasive species and pollutants. The following plants are appropriate for seeding in this habitat. Note that it is recommended to contact Ernst Seeds (https://www.ernstseed.com/) directly for instruction on proportions and amounts.

- Aster divaricatus (aka Eurybia divaricata)
- Aster laevis (aka Symphiotrichum laeve)
- Aster lanceolatum (aka Symphiotrichum lanceolatum)
- Aster macrophyllus (aka Eurybia macrophylla)
- Bidens cernua
- Bidens frondosa
- Cinna arundinacea
- Elymus canadensis
- Elymus riparius
- Elymus villosus
- Eupatorium maculatum (aka Eutrochium maculatum)
- Glyceria canadensis
- Glyceria grandis
- Glyceria striata
- Juncus effusus
- Juncus tenuis
- Leersia oryzoides
- Onoclea sensibilis
- Panicum clandenstinum (aka Dichanthelium clandentinum)
- Poa palustris
- Sisyrinchium angustifolium
- Solidago bicolor
- Solidago caesia

Your submission information indicates that your project requires a state permit, license, registration, or authorization, or utilizes state funding or involves state agency action. This NDDB - New determination may be utilized to fulfill the Endangered and Threatened Species requirements for state-issued permit applications, licenses, registration submissions, and authorizations.

Please be aware of the following limitations and conditions:

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available. New information may result in additional review, and new or modified restrictions or conditions may be necessary to remain in compliance with certain state permits.

- During your work listed species may be encountered on site. A report must be submitted by the
 observer to the Natural Diversity Database promptly and additional review and restrictions or conditions
 may be necessary to remain in compliance with certain state permits. Please fill out the <u>appropriate</u>
 <u>survey form</u> and follow the instructions for submittal.
- Your project involves the state permit application process or other state involvement, including state
 funding or state agency actions; please note that consultations with your permit analyst or the agency
 may result in additional requirements. In this situation, additional evaluation of the proposal by the
 DEEP Wildlife Division may be necessary and additional information, including but not limited to
 species-specific site surveys, may be required. Any additional review may result in specific restrictions
 or conditions relating to listed species that may be found at or in the vicinity of the site.
- If your project involves preparing an Environmental Impact Assessment, this NDDB consultation and determination should not be substituted for biological field surveys assessing on-site habitat and species presence.
- The NDDB New determination for the Chatfield Hollow Covered Bridge Replacement as described in the submitted information and summarized at the end of this document is valid until 4/26/2026. This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 4/26/2026.

If you have further questions, please contact me at the following:

Anna Toledo
CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street
Hartford, CT 06106-5127

Anna.Toledo@ct.gov

Please reference the Determination Number 202405295 when you e-mail or write. Thank you for consulting the Natural Diversity Data Base.

Anna Toledo
Wildlife Division- Natural Diversity Data Base
79 Elm Street
Hartford, CT 06106-5127
Anna.Toledo@ct.gov

Application Details:

Project involves federal funds or federal permit:	Yes
Project involves state funds, state agency action, or relates to CEPA request:	Yes
Project requires state permit, license, registration, or authorization:	Yes
DEEP enforcement action related to project:	
Project Type:	Bridge and Culvert Work
Project Sub-type:	New Bridge Including Upland and In-water work
Project Name:	Chatfield Hollow Covered Bridge Replacement
Project Description:	

Lindgren, Samuel

From: Saucier, Laura

Sent: Monday, July 29, 2024 10:58 AM

To: Lindgren, Samuel

Cc: Kilpatrick, Ann; Kearney, Shannon

Subject: Re: District Review of Project Request - Chatfield Hollow Covered Bridge E159

Replacement 1.16.23

Hi Sam,

I wanted to let you know that we checked Chatfield Hollow Stream for freshwater mussels above and below the covered bridge footings. We did not find any mussels in the construction footprint therefore mussels are not an issue in this section of stream. I would encourage minimizing tree cutting along the stream to keep waters cool and using best practices for minimizing sedimentation and erosion to limit any potential negative impacts to aquatic life downstream.

Let me know if you have any questions.

Thanks,

Laura

Laura Saucier

Wildlife Biologist
Wildlife Diversity Program, Wildlife Division
Connecticut Department of Energy and Environmental Protection

Sessions Woods Wildlife Management Area P.O. Box 1550, 341 Milford Street Burlington, CT 06013 office: 860-424-3101 I cell: 860-876-9427





From: Saucier, Laura <Laura.Saucier@ct.gov>
Sent: Monday, February 26, 2024 1:53 PM
To: Lindgren, Samuel <Sam.Lindgren@ct.gov>

Cc: Kilpatrick, Ann < Ann. Kilpatrick@ct.gov>; Kearney, Shannon < Shannon. Kearney@ct.gov>

Subject: Re: District Review of Project Request - Chatfield Hollow Covered Bridge E159 Replacement 1.16.23

Hi Sam,

Thanks for reaching out. Unfortunately, I was not able to survey the area around the bridge this past field season, but I can get in there and check this spring. If you can let me know specifically what day demo will begin, I'll get in stream a couple days beforehand to see if I need to move any mussels out of the way. Not to leave it until last minute, but just hoping the water will be a bit warmer!

Thank you for passing on those instructions (not to disturb the existing abutments and wing walls, not allowing any foreign material to enter the stream) to the folks doing the demo work.

Depending on the project details that NDDB receives, I may end up going back before the instream/bank disturbance begins to check for mussels in the construction footprint area. Please keep me posted if anything changes.

Thanks,

State Historic Preservation OfficeDepartment of Economic and Community Development



May 10, 2024

Ms. Jenna Bogaczyk
Macchi Engineers, LLC
44 Gillet Street
Hartford, CT 06105
(via email only to jbogaczyk@macciengineers.com)

Subject: Replacement of Covered Bridge E159

Chatfield Hollow State Park

381 Route 80

Killingworth, Connecticut

Dear Ms. Bogaczyk,

The State Historic Preservation Office (SHPO) is in receipt of a request for comments on the potential effects of the referenced project on historic properties. SHPO understands that the Connecticut Department of Energy and Environmental Protection (DEEP) plans to the Chatfield Hollow Covered Bridge (Bridge E159) carrying pedestrian trails over the Chatfield Hollow Brook. The project will require permitting from the Connecticut Department of Energy and Environmental Protection and the United States Army Corps of Engineers; therefore, it is subject to review by this office pursuant to the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act.

There are no properties listed on the National Register of Historic Places (NRHP) within the Area of Potential Effects (APE) for the project. The area surrounding the APE contains previously recorded archaeological sites and is considered archaeologically sensitive. However, planned activities will be primarily confined to previously disturbed footprints. As a result, it is unlikely that significant archaeological resources will be impacted by the proposed actions. SHPO notes that the request for review included a state level documentation of the extant bridge completed by Raber Associates (Consultant) dated July 2023. The documentation study indicated that the bridge was originally constructed in 1933-1934 by the Civilian Conservation Corps (CCC) with the superstructure subsequently modified/reconstructed in 1966-1967. As noted in your review request, the superstructure was removed in March of 2024. It is the opinion of this office that the extant stone abutments are not eligible for listing on the NRHP. However, the stone bridge abutments are associated with a broader, historically significant CCC effort to make improvements to public lands. Therefore, SHPO does recommend preservation of the extant stone abutments in place to the greatest extent possible. Based on the information submitted to this office, it is the opinion of SHPO that no historic properties will be affected by the proposed undertaking

State Historic Preservation OfficeDepartment of Economic and Community Development



This office appreciates the opportunity to review and comment upon this project. For additional information, please contact Cory Atkinson, Staff Archaeologist and Environmental Reviewer, at (860) 500-2458 or cory.atkinson@ct.gov.

Sincerely,

Jonathan Kinney

State Historic Preservation Officer