

FINAL REPORT 5/30/20

CE00A00004

NBEP SNE Partnership Nutrient Grants NEI Job Code: 0318-002

Project Code: S-2019-027

Subrecipient Name: **The Land Conservancy of North Kingstown** Subrecipient's DUNS number:  
060355729

Federal Award Identification Number (FAIN): CE00A00004 CFDA: 66.456

### **Mill Cove Causeway Channel, Bank, & Footbridge Project**

- Certificates of insurance, and indemnification of NEIWPC and NBEP have been submitted for LCNK's insurer and the town of N Kingstown. LCNK's insurance renewed on 12/1/19.
- The causeway is owned by the town of N Kingstown, so we must follow all town purchasing and hiring processes.
- After 2 ridiculously high bids for the construction were rejected, the N Kingstown Public Works/ Engineering Dept. decided to do the channel and banks work inhouse. The helical anchors and footbridge footings would be subcontracted by LCNK, with town engineering approval.
- The construction phase has 3 components.
- Phase #1 is the clearing out of the channel, removing of some stone/cement side walls of the causeway, and folding them onto the sloped surface. Additional stone added as needed to complete the riprap slope. **The NEIWPC grant is paying for this ( Task 1,2,3, and 5 on the table below).**
- Phase #2 will include Task 4,6, 7& 8 that were originally part of the RFP, will follow. This includes 6 helical anchors and reinforced concrete footings for the footbridge. LCNK has other funds for this part.
- Phase #3 will be the installation of the footbridge and signage once funding is complete.
- LCNK will pay for the materials, and the town labor, as well as any outside contractors.

	Task	Performed by:	Oversight by:	Completion	Subject to this grant
1	Prep the site: Post the CRMC permit, trim back the paths	NK	NK	Yes	Yes
2	Install erosion controls	NK	NK	Yes	Yes
3	Break up concrete and relocate stones as needed	NK	NK	Yes	Yes
4	Install survey controls	NE Engineers or Waterman	NE Engineers	Yes	
5	Place stone riprap	NK	NK	Yes	Yes

6	Install helical piles	contractor	NE Engineers	Yes	
7	Excavate and pour reinforced concrete footings	contractor	NE Engineers	No, probably in July 2020	
8	Close site, awaiting footings and bridge installation	NK	NK	Yes	

- Tasks 1 - 3, 5 were completed on March 16, 2020. Before and after photos below. Task 4 in April, 2020. On May 7th it was exciting to see the moon high tide roaring through the new channel, with no large eddies. It is working wonderfully. Feedback from many who visit, is that they are excited to see the progress. Task 6 and 8 were done on May 26 and 27th, 2020. A photo below.
- The Coved 19 virus restrictions has slowed the work.
- One question that arose was that since the causeway is town owned, should the town or LCNK sign contracts and write the checks for the physical structures like the helical anchors and the footbridge. LCNK will be paying directly or indirectly. Up until now everything has been services, that LCNK has paid for. This question was submitted to the town solicitor for guidance. Per his recommendation, LCNK is paying directly for both services and the structures.
- Full funding for the construction portion of the project is on hand.
- Non-federal matches for this project far exceed the requirements, and have not been committed to any other federally sourced grants. Here is a partial list: Kimball Foundation \$15K, Champlin Foundation \$19,835, Walmart Community grants \$1K, Washington/Kent Counties Board of Realtors \$5K, private donations over \$5K.
- Fundraising and Grant writing continues, as we approach total funding to complete the project (footbridge, directional and historic signage, and a little marketing for the reopened trail), hopefully by the end of the summer 2020. In March/April we received another \$1000 in grants and \$2500 in private donations for the project.
- The invoice from the town has been received for the channel and banks work, which is funded by this grant. Invoice attached. The 6 helical anchors for the footbridge have been installed by an outside contractor, and have been fully paid for by other funds. Invoices and checks available.
- Shortly the reinforced concrete footings will be constructed by the same outside contractor.
- Monitoring/Maintenance: An LCNK property abuts this town parcel. LCNK will monitor at minimum once per year, along with our property. That will include inspection of the stone embankments, openness of the channel, and status of the footbridge. The footbridge anchors sink deep into the substrate, either reaching the requested depth or resistance, or hitting bedrock. The pultruded fiberglass footbridge is expected to have a functional lifetime of at least 70 years. The marine grade stainless steel fasteners are the best available. They will be inspected and maintained. Already we have noted that some regular trail users routinely help clip encroaching vines. LCNK will keep the trail across the causeway open, at least once per year. Likely more often.

- A side project is the removal of a derelict 18' boat hull from the high marsh right next to the causeway. It came up during a hurricane over 20 years ago. RI CRMC has suggested that it “go away”. In March we started cutting it up, using best practices, both for the health of the marsh and volunteers. The pieces of hull hopefully will be donated to a pilot program that will use the fiberglass in a road pavement. The corona virus outbreak has halted the process. Either way, the hull is being removed.
- Signage and Public information: When the footbridge is in place, directional, historic information, and project signage will be posted in the area. The project sign will detail the logos and donor/grantor names who contributed to the project.
- The RI CRMC permit and finding of no significant impact are attached. The town, as the land owner, submitted the application, even though LCNK is paying for the project.



Before



After



6 helical anchors installed

The much improved water flow is obvious now. It will be interesting to see if there are any changes to the distribution of *Spartina* and *Phragmites* within the inner marsh. Many folks are very excited about expanding the trail offerings, by reconnecting existing trails on both sides of the salt marsh. Our historic, 1770 causeway will be functional once again. More people will be able to get out and enjoy the serene views of the salt marsh, creek, and its inhabitants. Thank you for this grant, as part of this community project.

Submitted by Gidget Loomis, LCNK project co-ordinator. 401 965-5391



State of Rhode Island and Providence Plantations  
Coastal Resources Management Council  
Olivet H. Steadman Government Center  
4808 Tower Hill Road, Suite 3  
Wakefield, RI 02879-1900

(401) 783-3370  
Fax (401) 783-2069

### FINDING OF NO SIGNIFICANT IMPACT

August 27, 2018

Town of North Kingstown  
c/o Phil Bergeron  
2050 Davisville Road  
North Kingstown, RI 02852

RE: CRMC Assent No. F2018-08-049: Repairs to existing culverts and erosion control, new fiber glass walk over pedestrian bridge. Project Location: Newton Avenue, North Kingstown; Plat 117, Lot 284

Dear Applicant:

The Coastal Resources Management Council has reviewed your project proposal and has determined the findings of no significant impact on coastal resources. This project must be completed within three (3) years of the date of this notification, unless written application requesting an extension is received by CRMC sixty (60) days prior to the expiration date. If this project involves excess excavated materials, excess soils, excess construction materials, and debris (including any destructed materials) these materials shall be removed from the site and disposed of at an inland landfill or a suitable and legal upland location. If the project involves earthwork, appropriate erosion controls shall be utilized. All applicable policies, prohibitions, and standards of the RICRMP shall be upheld.

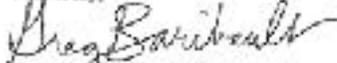
**CAUTION:** The limits of authorized work shall be only for that which was approved by the CRMC. Any activities or alterations in which deviate from this assent or what was detailed on the CRMC approved plans will require a separate application and review. Additionally, if the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then this permit may be found to be null and void. Plans for any future alteration of the shoreline or construction or alteration within the 200' zone of CRMC jurisdiction or in coastal waters must be submitted for review to the CRMC prior to commencing such activity.

Permits, licenses or easements issued by the Council are valid only with the conditions and stipulation under which they are granted and imply no guarantee of renewal. The initial application or an application for renewal may be subject to denial or modification. If an application is granted, said permit, license and easement may be subject to revocation and/or modification for failure to comply with the conditions and stipulations under which the same was issued or for other good cause.

Applicant agrees that as a condition to the granting of this assent, members of the Coastal Resources Management Council or its staff shall have access to applicant's property to make on-site inspections to insure compliance with the assent.

A copy of this authorization to perform construction related activities shall be kept on site and available for inspection. NOTE: Failure to have this letter on site or work in excess of your proposal constitutes a violation under this program.

Sincerely,

  
Gregory Baribault, Engineering Tech IV  
Coastal Resources Management Council

/s/mb

State of Rhode Island and Providence Plantations  
COASTAL RESOURCES MANAGEMENT COUNCIL

NOTICE OF

ASSENT

CRMC Assent No.: 12018-08-049

Date: August 27, 2018

This certifies that Town of North Kingstown

has permission to Repairs to existing culverts and erosion control, new fiber glass walk over pedestrian bridge.

situated at Newton Avenue

Plot No. 117

Lot No. 281

Said construction operations to be done in accordance with an approved assent on file in the Offices of the Coastal Resources Management Council and subject further to all the provisions of the building ordinances of the :

City/Town of

North Kingstown

and to all the applicable State, Local and Federal provisions. This assent shall expire three (3) years from the date of this assent.

*Bridget F. Fuller*

Official Designee

Coastal Resources Management Council

**THIS CARD MUST BE DISPLAYED IN A CONSPICUOUS PLACE ON THE PREMISES.  
FAILURE TO DISPLAY WILL RESULT IN LEGAL ACTION.**

<b>Mill Cove Causway / Foot Bridge</b>			<b>Town of North Kingstown, Rhode Island</b>			
Project and subrecipient ID CE00A00004						
NBEP SNE Job Code :0318-002 Project Code: S-2019-027						Department of Public Works
Subrecipient Name LCKN, DUNS: 06355729						2050 Davisville Road
FAIN:CE..A0004, CFDA: 66.456						North Kingstown, RI 02852-1799
5/13/20						Phone: (401) 268-1500
						Web: www.northkingstown.org
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Item #	Item Description	Unit	Time	Cost	Date	Amount
1	Prep the Site: Post CRMC permits on both sides of the pathway *	PH	2	\$127.52	3/15/20	Using materials on site to fabricate two wooden signs for CRMC permits. Installed
2	Trim back the East side path to the causeway. *	PH	4	\$277.76	3/15/20	Pickup truck / 1 Operator + 1 Chain Saw. Clean debris and haul away from site.
2	Install erosion controls. *	PH	2	\$133.72	3/16/20	Pickup truck / 1 Operator + Silt fence
4	Break up concrete and relocate stones as needed *	PH	4	\$785.40	3/16/20	550 truck / 3 operators +compressor + Jack hammer
5	Deliver and place new rip rap in both slopes if the causeway *	PH	4	\$1,070.88	3/16/20	550 truck with trailer + Mini Excavator + 12 CY of Rip-Rap
6	Close site to await reinforced bridge construction*	PH	2	\$241.48	3/16/20	550 Truck / 1 operators and materials
7	Meeting on Site 1 N.K.D.P.W **	PH	1	\$95.75	3/13/20	Engineering and Highway Departments RR, BK
8	Meeting on Site 2 N.K.D.P.W, LCNK, Ram Jack and site engineer	PH	1	\$95.51	5/6/20	Engineering Department KW ,RR
9	RPF discussions for engineering and permitting **	PH	1	\$150.42	12/16/19	N.K.D.P.W / LCNK AW, KW, RR
10	Review selection for bids **	PH	0.25	\$13.66	1/6/20	N.K.D.P.W / LCNK KW
11	Footbridge options **	PH	0.5	\$75.21	1/6/20	N.K.D.P.W / LCNK AW, KW, RR
12	Discussion with NKDPW regarding tasks **	PH	1	\$150.42	12/16/19	N.K.D.P.W / LCNK AW, KW, RR
13	Discussions regarding who signs contracts and payment **	PH	0.25	\$28.31	12/16/19	N.K.D.P.W / LCNK AW
14	Time to accumulate numbers for spreadsheet **	PH	2	\$82.24	5/13/20	Engineering RR
			<b>Total</b>	<b>\$3,328.28</b>		
	Tasks for N.K.D.P.W.*					All tasks assigned to DPW related to this grant have been completed.
	Additional tasks for N.K.D.P.W**					All related costs for equipment are from FEMA's Schedule of Equipment Rates. All material costs are from FY 20/21 Material bid list. All employee wages include benefits. Payment terms: 30days Contact person if invoice is defective, Richard Ross / ross@northkingstown.org Payment address:
						North Kingston Finance Department 100 Fairway Drive North Kingstown RI, 02852
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