

# **Pre-Construction Notification (PCN) Form**

For Nationwide Permits and Regional General Permits

(along with corresponding Water Quality Certifications)

September 29, 2018 Ver 3

Please note: fields marked with a red asterisk \* below are required. You will not be able to submit the form until all mandatory questions are answered.

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Also, if at any point you wish to print a copy of the E-PCN, all you need to do is right-click on the document and you can print a copy of the form.

Below is a link to the online help file.

https://edocs.deq.nc.gov/WaterResources/0/edoc/624704/PCN%20Help%20File%202018-1-30.pdf (https://edocs.deq.nc.gov/WaterResources/0/doc/603610/Page1.aspx)

# A. Processing Information

#### County (or Counties) where the project is located: \*

New Hanover

Add additional county

#### Is this project a public transportation project?\*

Yes No This is any publicly funded by municipal,state or federal funds road, rail, airport transportation project.

#### Is this a NCDOT Project?\*

🖲 Yes 🔘 No

(NCDOT only) T.I.P. or state project number:

#### WBS #\*

15BPR.14

(for NCDOT use only)

#### 1a. Type(s) of approval sought from the Corps: \*

- Section 404 Permit (wetlands, streams and waters, Clean Water Act)
- Section 10 Permit (navigable waters, tidal waters, Rivers and Harbors Act)

#### 1b. What type(s) of permit(s) do you wish to seek authorization?\*

- Nationwide Permit (NWP)
- Regional General Permit (RGP)
- Standard (IP)

This form may be used to initiate the standard/individual permit process with the Corps. Please contact your Corps representative concerning submittals for standard permits. All required items that are not provided in the E-PCN can be added to the miscellaneous upload area located at the bottom of this form.

#### 1c. Has the NWP or GP number been verified by the Corps?\*

🖲 Yes 🔘 No

Nationwide Permit (NWP) Number:

12 - Utility Lines

https://edocs.deq.nc.gov/Forms/form/resume/216/20565

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Add additional NWP

#### NWP Numbers (for multiple NWPS):

List all NW numbers you are a	pplying for not on the drop down list.		
1d. Type(s) of approval	sought from the DWR: *		
check all that apply			
401 Water Quality Cer	rtification - Regular	401 Water Quality Certification - Express	
Non-404 Jurisdictiona	I General Permit	Riparian Buffer Authorization	
Individual Permit			
1e. Is this notification s	olely for the record because written approva	al is not required?	
		*	
For the record only for	DWR 401 Certification:	○ Yes ● No	
For the record only for Corps Permit:		○ Yes ● No	
1f. Is this an after-the-fa	ct permit application?*		
Yes	No		
1g. Is payment into a m	itigation bank or in-lieu fee program propos	ed for mitigation of impacts?	
If so, attach the acceptance let	tter from mitigation bank or in-lieu fee program.		
Yes	No		
Acceptance Letter Atta	chment		
Click the upload button or drag	and drop files here to attach document		
Upload			
FILE TYPE MUST BE PDF			
1h. Is the project locate	d in any of NC's twenty coastal counties? $^{\star}$		
Yes	No		
1i. Is the project located	d within a NC DCM Area of Environmental Co	oncern (AEC)? *	
Yes	No	Unknown	
1j. Is the project located	l in a designated trout watershed? *		
Yes I No			

Link to trout information: http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx (http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/Trout.aspx (http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordin

# **B. Applicant Information**

Gordon Cashin	
	1c. Primary Contact Phone:*
1b. Primary Contact Email: *	(xxx)xxx-xxxx
gcashin@ncdot.gov	(919)707-6107
1d. Who is applying for the permit? <sup>*</sup>	
Owner	Applicant (other than owner)
(Check all that apply)	
1e. Is there an Agent/Consultant for this project?*	
Yes I No	

2a. Name(s) on recorded deed: *	
NCDOT	
2b. Deed book and page no.:	
2c. Responsible party:	
(for Corporations)	
2d. Address *	
Street Address	
1000 Birch Ridge Drive	
Address Line 2	
City	State / Province / Region
Raleigh	NC
Postal / Zip Code	Country
27610	USA
2e. Telephone Number: *	
(xxx)xxx-xxxx	
(919)707-6000	
2f. Fax Number:	
(xxx)xxx-xxxx	
2g. Email Address:*	
pharris@ncdot.gov	
Add another owner	

# C. Project Information and Prior Project History

# **1. Project Information**

1a. Name of project: \*

Isabel Holmes Bridge on US 74/NC 133 over NE Cape Fear River-subi

#### 1b. Subdivision name:

(if appropriate)

1c. Nearest municipality / town: \*

Wilmington

#### 2. Project Identification

#### 2a. Property Identification Number:

2b. Property size:

(in acres)

(tax PIN or parcel ID)

#### 2c. Project Address

Street Address	
Address Line 2	
City	State / Province / Region
Postal / Zip Code	Country

#### 2d. Site coordinates in decimal degrees

Please collect site coordinates in decimal degrees. Use between 4-6 digits (unless you are using a survey-grade GPS device) after the decimal place as appropriate, based on how the location was determined. (For example, most mobile phones with GPS provide locational precision in decimal degrees to map coordinates to 5 or 6 digits after the decimal place.)

Latitude: *	Longitude: *	
34.251988	-77.950794	
ex: 34.208504	-77.796371	
3. Surface Waters		
3a. Name of the nearest body of water to proposed p	oject: *	
Northeast Cape Fear River		
3b. Water Resources Classification of nearest receivi	ng water:*	
SC;Sw		
Surface Water Lookup (https://ncdenr.maps.arcgis.com/ap	s/webappviewer/index.html?id=6e125ad762	3f494694e259c80dd64265)
3c. What river basin(s) is your project located in?*		
Cape Fear	▼	
Add another river basin		
3d. Please provide the 12-digit HUC in which the proj	ect is located. *	
030300070809		

River Basin Lookup (http://ncdenr.maps.arcgis.com/apps/PublicInformation/index.html?appid=ad3a85a0c6d644a0b97cd069db238ac3)

# 4. Project Description and History

4a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:\*

The Isabel Holmes Bridge is a drawbridge (bascule) the connects US 74/NC 133 with US 421 at the north end of the city of Wilmington. On the east bank, urban land uses such as residential and commercial development are prevalent. On the west bank are natural areas interspersed with more industrial land uses.

4b. Have Corps permits or DWR certifications been obtained for this project (including all prior phases) in the past?\*

🔘 Yes 💿 No 🔘 Unknown

4d. Attach an 8 1/2 X 11 excerpt from the most recent version of the USGS topographic map indicating the location of the project site. (for DWR)

Click the upload button or drag and drop files here to attach document

Upload

File type must be pdf

4e. Attach an 8 1/2 X 11 excerpt from the most recent version of the published County NRCS Soil Survey map depicting the project site. (for DWR)

Click the upload button or drag and drop files here to attach document

Upload

File type must be pdf

4f. List the total estimated acreage of all existing wetlands on the property:

N/A

#### 4g. List the total estimated linear feet of all existing streams on the property:

(intermittent and perennial)

N/A

#### 4h. Explain the purpose of the proposed project: \*

The overall purpose of the project is to perform preservation activities on the Isabel Holmes drawbridge, including the replacement of a submarine cable that powers the drawbridge mechanism.

4i. Describe the overall project in detail, including indirect impacts and the type of equipment to be used: \*

Composite armored cables (4) encased in HDPE pipe will be buried below the mud line to a depth of 6 ft. to conform with Section 408 requirements for federally maintained channels. The total linear footage of the cable based on the proposed alignment is approximately 300 ft. The contractor will complete the work between the fenders by divers using a handheld vacuum device powered by a hydraulic pump (mounted on a barge) to remove sediment, then captured in geotextile dewatering bags and disposed of off-site. If site conditions allow, the contractor will attempt the suction method beneath the fenders. If not, the contractor will jet beneath the fenders.

#### 4j. Please upload project drawings for the proposed project.

Click the upload button or drag and drop files here to attach document

Upload

File type must be pdf

# 5. Jurisdictional Determinations

5a. Have the wetlands or streams been delineated on the property or proposed impact areas?\*

Yes

No

Unknown

Comments:

The only resource in the project area is the Northeast Cape Fear River

5b. If the Corps made a jurisdictional determination, what type of determination was made?\*

Preliminary Approved Not Verified Unknown N/A

#### Corps AID Number:

Example: SAW-2017-99999

5c. If 5a is yes, who delineated the jurisdictional areas?

Name (if known):	
Agency/Consultant Company:	
Other:	

#### 5d1. Jurisdictional determination upload

Upload File type must be PDF

#### 6. Future Project Plans

#### 6a. Is this a phased project?\*

Yes

No

Are any other NWP(s), regional general permit(s), or individual permits(s) used, or intended to be used, to authorize any part of the proposed project or related activity? This includes other separate and distant crossing for linear projects that require Department of the Army authorization but don't require pre-construction notification.

# **D. Proposed Impacts Inventory**

#### 1. Impacts Summary

1a. Where are the impacts associated with your project? (check all that apply):

Wetlands

Open Waters

Streams-tributaries
 Pond Construction

Buffers

# 4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

4a. Site #* (?)	4a1. Impact Reason	4b. Impact type * (?)	4c. Name of waterbody (?)	4d. Activity type *	4e. Waterbody type *	4f. Impact area <sup>*</sup>
1	Cable installation	P •	Northeast Cape Fear River	Excavation •	Other •	0.04 (acres)

Add another impact

4g. Total temporary open water Impacts:

0.00

4g.	Total	permanent	open	water	impacts
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0.04

4g. Total open water impacts:

0.04

4h. Comments:

# E. Impact Justification and Mitigation

# 1. Avoidance and Minimization

#### 1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing the project: \*

Usage of a clam shell bucket was originally proposed, however suction and possibly jetting will be used instead.

1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques: \*

In areas where the hydraulic suction pump will be used, the sediment will be captured in geotextile dewatering bags and disposed of off-site. Installation of the cable will be restricted to between Dec. 1 and Feb. 1 to due to NOAA requirements for sturgeon and primary nursery in-water work moratorium

#### 2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State

2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?

Yes

No

#### 2b. If this project DOES NOT require Compensatory Mitigation, explain why:

The amount of impacts is below the mitigation threshold.

NC Stream Temperature Classification Maps can be found under the Mitigation Concepts tab on the Wilmington District's RIBITS (https://ribits.usace.army.mil/ribits\_apex/f? p=107:27:2734709611497::NO:RP:P27\_BUTTON\_KEY:0) website.

# F. Stormwater Management and Diffuse Flow Plan (required by DWR)

\*\*\* Recent changes to the stormwater rules have required updates to this section .\*\*\*

# 1. Diffuse Flow Plan

1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?

Yes
 No

For a list of options to meet the diffuse flow requirements, click here (https://files.nc.gov/ncdeq/Water%20Quality/Surface%20Water%20Protection/401/Buffer%20Clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20Clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20Clarification%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20Flow%20Provisions%20Memos/Options%20for%20Meeting%20Diffuse%20Flow%20Provisions%20Flow%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Flow%20Provisions%20Provisio

If no, explain why:

# 2. Stormwater Management Plan

#### 2a. Is this a NCDOT project subject to compliance with NCDOT's Individual NPDES permit NCS000250?\*

🖲 Yes 🔵 No

Comments:

# **G.** Supplementary Information

#### 1. Environmental Documentation

1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?\*

```
Yes
```

1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)?\*

Yes

#### Comments:\*

Due to the nature of activities, an environmental document was not required.

No

No

No

No

# 2. Violations (DWR Requirement)

2a. Is the site in violation of DWR Water Quality Certification Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), or DWR Surface Water or Wetland Standards or Riparian Buffer Rules (15A NCAC 2B .0200)?\*

Yes

# 3. Cumulative Impacts (DWR Requirement)

3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?\*

Yes

3b. If you answered "no," provide a short narrative description.

The submarine cable installed will service the drawbridge mechanism for an existing bridge.

# 4. Sewage Disposal (DWR Requirement)

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4a. Is sewage disposal required by DWR for this project?*
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Yes No N/A

# 5. Endangered Species and Designated Critical Habitat (Corps Requirement)

5a. Will this project occur in or near an area with federally protected species or habitat?\* No

Yes

5b. Have you checked with the USFWS concerning Endangered Species Act impacts?\*

Yes

No

5d. Is another Federal ager	ncy involved?*	
Yes	No	Unknown
What Federal Agency is inv	volved?	
National Marine Fishe	ries Service	
5e. Is this a DOT project lo	cated within Division's 1-8? <sup>*</sup>	
🖲 Yes 🔘 No		
5j. What data sources did y	/ou use to determine whether your site would impact Endang/	ered Species or Designated Critical Habitat?
Information for Plannir sturgeon, dated 9/18/2	ng and Consultation; Federal Register designating o 2017.	critical habitat for the Atlantic
Consultation Documentatio	on Upload	
Click the upload button or drag and	drop files here to attach document	
Upload		
NMFS Concurrence SERO-2 File type must be PDF	2019-00475 Isabel Holmes Bridge Cable Installation_FINAL.pdf (/F	orms/hand… 488.67KB
6. Essential Fish	Habitat (Corps Requirement)	
6a. Will this project occur i	n or near an area designated as an Essential Fish Habitat?*	
Yes	No	
Are there submerged aqua	tic vegetation (SAV) around the project vicinity?*	
Yes	No	Unknown

6b. What data sources did you use to determine whether your site would impact an Essential Fish Habitat?\*

NOAA National Marine Fisheries

# 7. Historic or Prehistoric Cultural Resources (Corps Requirement)

No

Link to the State Historic Preservation Office Historic Properties Map (does not include archaeological data: http://gis.ncdcr.gov/hpoweb/(http://gis.ncdcr.gov/hpoweb/)

7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?\*

Yes

7b. What data sources did you use to determine whether your site would impact historic or archeological resources?\*

http://gis.ncdcr.gov/hpoweb/

The bridge is HPO Site ID NH3436 which is not listed or eligible to be listed on the National Registry.

#### 7c. Historic or Prehistoric Information Upload

Click the upload button or drag and drop files here to attach document

Upload File must be PDF

# 8. Flood Zone Designation (Corps Requirement)

Link to the FEMA Floodplain Maps: https://msc.fema.gov/portal/search (https://msc.fema.gov/portal/search)

#### 8a. Will this project occur in a FEMA-designated 100-year floodplain?\*

Yes

No

х

#### 8b. If yes, explain how project meets FEMA requirements:

The existing bridge is being maintained in place.

# 8c. What source(s) did you use to make the floodplain determination? $^{\star}$

FEMA Floodplain Maps link above.

# **Miscellaneous**

#### Comments

Miscellaneous attachments not previously requested.

Click the upload button or drag and drop files here to attach document

Upload

File must be PDF or KMZ

# Signature

#### \*

By checking the box and signing below, I certify that:

- I have given true, accurate, and complete information on this form;
- I agree that submission of this PCN form is a "transaction" subject to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I agree to conduct this transaction by electronic means pursuant to Chapter 66, Article 40 of the NC General Statutes (the "Uniform Electronic Transactions Act");
- I understand that an electronic signature has the same legal effect and can be enforced in the same way as a written signature; AND
- I intend to electronically sign and submit the PCN form.

×

#### Full Name: \*

Mack Christopher Rivenbark, III

#### Signature

Hack C. Rívenbank, III

#### Date



Submit Save as Draft

e as Diait



# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H. TROGDON, III Secretary

October 4, 2019

N.C. Department of Environmental Quality Division of Coastal Management 400 Commerce Avenue Morehead City, NC 28557

Attn: Mr. Stephen Lane NCDOT Coordinator

Dear Sir:

Subject: Application for a CAMA General Permit for installation of a submarine cable associated with the Isabel Holmes Memorial Bridge Preservation project on US 74/NC 133 over the Northeast Cape Fear River, New Hanover County. Debit \$400.00 from WBS 15BPR.14.

Please find enclosed the North Carolina Division of Coastal Management Major Permit Forms (MP-1 and MP-2) and plans for the above referenced project. The North Carolina Department of Transportation (NCDOT), Division of Highways proposes to complete bridge preservation activities on the Isabel Holmes drawbridge over the Northeast Cape Fear River on US 74/NC 133 in Wilmington, NC. These activities include the replacement of a buried submarine cable that conveys power to the drawbridge mechanism. All work will occur within NCDOT right-of-way (ROW) or previously acquired easements.

The Isabelle Holmes drawbridge conveys US 74/NC 133 over the Northeast Cape Fear River. An underwater cable that works the drawbridge mechanism is being replaced. The contractor will complete the work between the fenders by divers using a handheld vacuum device powered by a hydraulic pump (mounted on a barge) to remove sediment, then captured in geotextile dewatering bags and disposed of off-site. If site conditions allow, the contractor will attempt the suction method beneath the fenders. If not, the contractor will jet beneath the fenders.

Composite armored cables (4) encased in HDPE pipe will be buried below the mudline. Total linear footage of the cable based on the proposed alignment is approximately 300 ft.

This project was let to construction on February 19, 2019.

# **Regulatory Approvals**

NCDOT requests that the proposed utility work associated with this project be authorized under a Coastal Area Management Act General Permit. The adjacent riparian landowner return receipts will be provided once they are received. Authorization to debit the \$400 Permit Application Fee from WBS Element 15BPR.14 is hereby given.

Mailing Address: NC DEPARTMENT OF TRANSPORTATION ENVIRONMENT ANALYSIS UNIT 1598 MAIL SERVICE CENTER RALEIGH NC 27699-1598 Telephone: (919) 707-6000 Fax: (919) 212-5785 Customer Service: 1-877-368-4968 Location: 1000 Birch Ridge Drive Raleigh NC 27610

Website: www.ncdot.gov

Section 404 and 401 permit approvals are also required for this work.

A copy of this permit application will be posted on the NCDOT Website at: <u>https://xfer.services.ncdot.gov/pdea/PermApps/</u>. Thank you for your assistance with this project. If you have any questions or need additional information, please contact Gordon Cashin at gcashin@ncdot.gov or (919) 707-6107.

Sincerely,

Mach C. R. Hut

Philip S. Harris III, P.E., C.P.M. Environmental Analysis Unit Head

# **APPLICATION for Major Development Permit**

(last revised 12/27/06)



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information								
Business Name				Project Name (if applicable)				
North Carolina Departme	ent Of Transportation (N	CDC	DT)	Isabel Holmes Memorial Bridge Preservation (15BPR.14)				
Applicant 1: First Name		MI		Last Name				
Philip		S		Harris				
Applicant 2: First Name		MI		Last Name				
If additional applicants, plea	ase attach an additional pag	e(s)	with names I	listed.				
Mailing Address				PO Box	City State		State	
1548 Mail Service Cente	r				Raleigh		NC	
ZIP	Country		Phone No.	FAX No.				
27699 1548	USA		919 - 707	- 6000 ext. 919 - 212 - 3		2 - 5785		
Street Address (if different from above)			City	State	State ZIP			
1000 Birch Ridge Dr.			Raleigh	NC		27610- 4328		
Email								
pharris@ncdot.gov								

# 2. Agent/Contractor Information

Business Name								
			1					
Agent/ Contractor 1: First N	lame	MI	Last Name					
Agent/ Contractor 2: First N	lame	MI	Last Name					
Mailing Address			PO Box	City			State	
710								
ZIP		Phone No. 1			Phone No. 2			
		-	- ext.		-	-	ext.	
		Contro stor #						
FAX NO.		Contractor #						
Street Address (if different t	from aboval		City	State		ZID		
Street Address ( <i>II different from above</i> )			City	State	;			
							-	
Email								

<Form continues on back>

3. Project Location						
County (can be multiple)	Street Address	State Rd. #				
New Hanover	Martin Luther King					
Subdivision Name		City		State	Zip	
N/A		Wilming	ton	NC	-	
Phone No.		I	Lot No.(s) (if many, attach	additional p	bage with list)	
N/A ext.			N/A, , ,	,		
a. In which NC river basin is the project	ct located?		b. Name of body of water	nearest to p	roposed project	
Cape Fear			Northeast Cape Fear	r River		
c. Is the water body identified in (b) ab	ove, natural or manma	ade?	d. Name the closest major	water body	to the proposed project site.	
⊠Natural ∏Manmade ∏Unknov	vn		Northeast Cape Fear	r River		
e. Is proposed work within city limits o	r planning jurisdiction?	?	f. If applicable, list the plan work falls within.	nning jurisdi	ction or city limit the proposed	
			All work will be complete	ed within N	ICDOT right-of-way or	
			easements		6 ,	
			•			
4. Site Description						
a. Total length of shoreline on the trac	t (ft.)		b. Size of entire tract (sq.ft	t.)		
Northeast Cape Fear River: 50	D ft.		363,300 sq ft. (appro	ximately 8	.4 acres)	
c. Size of individual lot(s)			<ul> <li>Approximate elevation of tract above NHW (normal high water) or NWL (normal water level)</li> </ul>			
(If many lot sizes, please attach add	litional page with a list	t)	NHW or NWL			
e. Vegetation on tract						
Maintained grass, shrub-scrub,	tidal marsh.					
f. Man-made features and uses now o	n tract					
Transportation facility and right	-of-way.					
g. Identify and describe the existing la	nd uses <u>adjacent</u> to th	e proposec	a project site.			
Wilmington	ni to residential, cor	nmerciai,	and industrial development	ni associa		
, in the second s						
h. How does local government zone th	ne tract?	i	Is the proposed project cons	sistent with	the applicable zoning?	
All work will be completed within	n NCDOT right-of-		(Attach zoning compliance)	certificate i	f applicable)	
way/easements or attached to existing bridges.						
j. Is the proposed activity part of an urban waterfront redevelopment pro			oposal?	□Yes	No	
k. Has a professional archaeological a	ct? If yes, attach a copy.	☐Yes	No NA			
If yes, by whom?						
I. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property?       □Yes ☑No □NA				⊠No □NA		

# <Form continues on next page>

m	(i) Are there wetlende on the site?	
	(i) Are there we lands on the site :	
	(ii) Are there coastal wetlands on the site?	⊠Yes □No
	(III) If yes to either (I) or (II) above, has a delineation been conducted?	∐Yes ⊠No
	(Attach documentation, if available)	

n. Describe existing wastewater treatment facilities. None

o. Describe existing drinking water supply source.

None

p. Describe existing storm water management or treatment systems.

Various transportation-related storm water management facilites (grassed swales, bridge deck drainage systems, etc.)

5. Activities and Impacts	
a. Will the project be for commercial, public, or private use?	Commercial Public/Government
	Private/Community
b. Give a brief description of purpose, use, and daily operations of the project when complete.	
The Isabelle Holmes drawbridge conveys US 74/NC 133 over the Northeast Cape project, an underwater cable that works the drawbridge mechanism is being replace transported in a second terms of the project is complete.	Fear River; as part of a preservation ed. The use and daily operations of the
transportation facility will remain unchanged once the project is complete.	
c. Describe the proposed construction methodology, types of construction equipment to be use of equipment and where it is to be stored.	d during construction, the number of each type
Between the fenders, divers will use a handheld vacuum device powered by a barg sediment, then captured in geotextile dewatering bags and disposed of off-site. If s attempt the suction method beneath the fenders. If not, the contractor will jet beneat	e mounted hydraulic pump to remove ite conditions allow, the contractor will ath the fenders.
d. List all development activities you propose.	
Installation of a submarine cable beneath the river bottom the existing bridge. Othe as well which are described in the attached scope of work.	r maintenance/rehab activiites will occur
e. Are the proposed activities maintenance of an existing project, new work, or both?	Both
f. What is the approximate total disturbed land area resulting from the proposed project?	1,350 ⊠Sq.Ft or □Acres
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	□Yes ⊠No □NA
h. Describe location and type of existing and proposed discharges to waters of the state.	
All work will be completed within NCDOT right-of-way. Other than suction and/or je discharges to streams or wetlands are anticipated	etting discussed above, no other
i Will wastewater or stormwater be discharged into a wetland?	
I. WIII Wastewater of storniwater be discharged into a wettand?	
If yes, will this discharged water be of the same salinity as the receiving water?	□Yes □No □NA
j. Is there any mitigation proposed?	□Yes ⊠No □NA
If yes, attach a mitigation proposal.	

## <Form continues on back>

# 6. Additional Information

In addition to this completed application form, (MP-1) the following items below, if applicable, must be submitted in order for the application package to be complete. Items (a) - (f) are always applicable to any major development application. Please consult the application instruction booklet on how to properly prepare the required items below.

a. A project narrative.

b. An accurate, dated work plat (including plan view and cross-sectional drawings) drawn to scale. Please give the present status of the proposed project. Is any portion already complete? If previously authorized work, clearly indicate on maps, plats, drawings to distinguish between work completed and proposed.

c. A site or location map that is sufficiently detailed to guide agency personnel unfamiliar with the area to the site.

#### 7. Certification and Permission to Enter on Land

I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to the conditions and restrictions contained in the permit.

I certify that I am authorized to grant, and do in fact grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

4. 2019 Date October

Print Name <u>Philip S. Harris, III</u>, P.E., C.P.M. Signature <u>Mach C. Pr/III</u>

Please indicate application attachments pertaining to your proposed project.

DCM MP-2 Excavation and Fill Information

DCM MP-3 Upland Development

DCM MP-4 Structures Information

DCM MP-5 Bridges and Culverts

# **EXCAVATION** and **FILL**

# (Except for bridges and culverts)

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

Describe below the purpose of proposed excavation and/or fill activities. All values should be given in feet.

	Access Channel (NLW or NWL)	Canal	Boat Basin	Boat Ramp	Rock Groin	Rock Breakwater	Other (excluding shoreline stabilization)
Length							300' +/-
Width							6.5' +/- (avg.)
Avg. Existing Depth					NA	NA	NA
Final Project Depth					NA	NA	3.5' +/- (avg.) below mudline

1	EXCAVATION		This section not applicable
<b>г.</b> а.	Amount of material to be excavated from below NHW or NWL in cubic yards. 190 CY	b.	Type of material to be excavated. Existing river bottom material, silt/mud/muck
C.	<ul> <li>(i) Does the area to be excavated include coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.</li> <li></li></ul>	- d.	High-ground excavation in cubic yards. NA
	Replacement of permanent submarine cable at existing bascule bridge.		
Ζ.	DISPOSAL OF EXCAVATED MATERIAL		☐ This section not applicable
а.	Location of disposal area.	b.	Dimensions of disposal area.
	To be determined by Contractor.		To be determined by Contractor.
C.	<ul> <li>(i) Do you claim title to disposal area?</li> <li>□Yes □No ⊠NA</li> <li>(ii) If no, attach a letter granting permission from the owner.</li> </ul>	d.	<ul> <li>(i) Will a disposal area be available for future maintenance?</li> <li>☐Yes ☐No ☑NA</li> <li>(ii) If yes, where?</li> </ul>
e.	<ul> <li>(i) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.</li> <li>□CW □SAV □SB</li> <li>□WL ⊠None</li> </ul>	f.	<ul> <li>(i) Does the disposal include any area in the water?</li> <li>□Yes ⊠No □NA</li> <li>(ii) If yes, how much water area is affected?</li> </ul>
	(ii) Describe the purpose of disposal in these areas: Removal of excavated material.		

# Form DCM MP-2 (Excavation and Fill, Page 2 of 2)

3.	SHORELINE STABILIZATION (If development is a wood groin, use MP-4 – Structures)		⊠This section not applicabl
<b>a</b> .	Type of shoreline stabilization:	b.	Length:
	Bulkhead Riprap Breakwater/Sill Other:		Width:
<b>)</b> .	Average distance waterward of NHW or NWL:	d.	Maximum distance waterward of NHW or NWL:
e.	Type of stabilization material:	f.	<ul> <li>(i) Has there been shoreline erosion during preceding 12 months?</li> <li>□Yes □No □NA</li> <li>(ii) If yes, state amount of erosion and source of erosion amount information.</li> </ul>
g.	Number of square feet of fill to be placed below water level. Bulkhead backfill Riprap Breakwater/Sill Other Source of fill material.	h.	Type of fill material.
<b>1.</b>	OTHER FILL ACTIVITIES         (Excluding Shoreline Stabilization)         (i) Will fill material be brought to the site? ⊠Yes □No □NA         If yes,         (ii) Amount of material to be placed in the water <u>190 CY</u> (iii) Dimensions of fill area <u>300'L x 6.5'W x 3.5'Deep (approx.)</u> (iv) Purpose of fill         Backfill over new permanent submarine cable at existing bascule bridge.	b.	<ul> <li>☐ This section not applicab</li> <li>(i) Will fill material be placed in coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.</li> <li>□CW □SAV □SB</li> <li>□WL ⊠None</li> <li>(ii) Describe the purpose of the fill in these areas:</li> </ul>
5.	GENERAL		
Э.	How will excavated or fill material be kept on site and erosion controlled? To be completed once method of excavation finalized.	b.	What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)? To be determined by Contractor.
Э.	<ul> <li>(i) Will navigational aids be required as a result of the project? ⊠Yes □No □NA</li> <li>(ii) If yes, explain what type and how they will be implemented. Anticipate temporary barges or other water-based excavation/backfilling equipment will have navigational lights or aids as required by USCG.</li> </ul>	d.	<ul> <li>(i) Will wetlands be crossed in transporting equipment to project site? ☐Yes ⊠No ☐NA</li> <li>(ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.</li> </ul>
<b>C</b> Date	October 4,2019	Ph Nor	th Carolina Department of Transportation
IC[ ≀eh \pp	DOT Project No. 15BPR.14 abilitation of Isabel Holmes Bascule Bridge and Fixed roach Spans	App 1 App	licant Name



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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

# NEW HANOVER COUNTY

LOCATION: ISABEL HOLMES BASCULE BRIDGE ON US 74, NC 133 OVER NORTHEAST CAPE FEAR RIVER

TYPE OF WORK: BRIDGE PRESERVATION



VICINITY MAP



state N.C.	STATE	SHEET NO.	total sheets 213		
STAT	E PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	ION
15	BPR.14		C	ONSTRU	CTION

# Permit Drawing Sheet 1 of 8

# PERMIT DRAWINGS DATE: 9/19/2019

Office of: HIGHWA GEMENT UNIT RALEIGH, N.C. 27610	<b>YS</b>			
MASTERS _	DESIGN ENGINEER OF RECORD	-		
SUITE 505 01 2979			DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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![](_page_22_Figure_0.jpeg)

![](_page_23_Figure_0.jpeg)

![](_page_24_Figure_0.jpeg)

<u>SECT</u>	ION	B	<u>-B</u>
SCAL	E: 1″=	1'-0"	

DESCRIPTION	CONDUCTOR COUNT AND SIZE (AWG)	TOTAL WITH SPARE CONDUCTOR COUNT AND SIZE (AWG)
CONTROL CONDUCTORS SCTC-1 TO SCTC-2	(97) 10 (1) 12-FIBER (3) CAT-5 (3) 3-PAIR (1) PA SYSTEM CABLE	(126) 10 (2) 12-FIBER (5) CAT-5 (5) 3-PAIR (2) PA SYSTEM CABLE (3) 1-PAIR
HDPE 5" EMPTY DUCT FOR FUTURE CONNECTIONS	_	_
VARIABLE FREQUENCY DRIVE POWER CABLES	(3) 2/0 VFD POWER CABLES	<ul><li>(3) 2/0 VFD POWER CABLES</li><li>(4) 2/0 POWER CONDUCTORS</li></ul>
POWER CONDUCTORS FROM SCTC-1 TO SCTC-2	(24) 10 (13) 6 (6) 8 (7) 1	(47) 10 (18) 6 (12) 8 (13) 1

			PROJE NE	CT NO W HAN	15 OVEF	<u>BPK"1</u> 5	4 UNTY
	Perm She	it Drawing et 7 of 8	STATI	ON:			
			DEP.	ARTMENT C ELE UBMAR	F NORTH CAF <b>PF TRA</b> RALEIGH CTRIC <b>INE</b>	NSPORTA AL CABL	tion _E
STE eat br	idges.			DE	ΙΑΙΙ	_5	
	5			REVISIO	)NS		SHEET NO.
			NO. BY:	DATE: NO.	BY:	DATE:	E-41
D FI Apl	NAL Eted		1	3 4	,		total sheets 213

DocuSign Envelope ID: 9F990929-0E2F-459B-AAE7-8137B8298BD3

![](_page_25_Figure_1.jpeg)