Attachment 1:

CAMA Major Permit Application Forms

DCM MP-1

APPLICATION for Major Development Permit

(last revised 12/27/06)

North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information

Business Name N.C. Department Of Transportation/N.C. Turnpike Authority		Project Name (if applicable) Mid-Currituck Bridge		
Applicant 1: First Name Patrick	MI A	Last Name Norman		
Applicant 2: First Name	MI	Last Name		
If additional applicants, please attach an additional page(s) with names listed.				
Mailing Address 1578 Mail Service Center		PO Box	City Raleigh	State NC
ZIP 27966- 1578	Country USA	Phone No. 919 - 707 - 2710 ext.	FAX No. - -	
Street Address *(if different from above)* 1 South Wilmington Street		City Raleigh	State NC	ZIP 27699- 1578
Email pnorman@ncdot.gov				

2. Agent/Contractor Information

Business Name N/A				
Agent/ Contractor 1: First Name	MI	Last Name		
Agent/ Contractor 2: First Name	MI	Last Name		
Mailing Address		PO Box	City	State
ZIP		Phone No. 1 - - ext.	Phone No. 2 - - ext.	
FAX No.		Contractor #		
Street Address *(if different from above)*		City	State	ZIP -
Email				

<Form continues on back>

3. Project Location

County (can be multiple)	Street Address	State Rd. #
Currituck Dare	New location bridge across Currituck Sound from Aydlett to South of Corolla	N/A

Subdivision Name	City	State	Zip
N/A	Currituck Sound from Aydlett to South of Corolla	NC	N/A -

Phone No.	Lot No.(s) *(if many, attach additional page with list)*
N/A - - ext.	N/A, , , ,

a. In which NC river basin is the project located?	b. Name of body of water nearest to proposed project
Pasquotank	Currituck Sound
c. Is the water body identified in (b) above, natural or manmade? ☒Natural ☐Manmade ☐Unknown	d. Name the closest major water body to the proposed project site. Currituck Sound
e. Is proposed work within city limits or planning jurisdiction? ☒Yes ☐No	f. If applicable, list the planning jurisdiction or city limit the proposed work falls within. Currituck County

4. Site Description

a. Total length of shoreline on the tract (ft.)	b. Size of entire tract (sq.ft.)
+/-230' west side, +/-300' east side	
c. Size of individual lot(s) NA, , , *(If many lot sizes, please attach additional page with a list)*	d. Approximate elevation of tract above NHW *(normal high water)* or NWL *(normal water level)* 0'-15' ☐NHW or ☒NWL

e. Vegetation on tract

Grasses, estuarine vegeation, wetland vegetation, agricultural species, forest (non-wetland) vegetation.

f. Man-made features and uses now on tract

Agricultural fields, single-family residences and lots, roads and associated infrastruture.

g. Identify and describe the existing land uses adjacent to the proposed project site.

Agricultural land near US 158 interchange, swamp forest (Maple Swamp), single-family residences, open waters.

h. How does local government zone the tract?	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) ☐Yes ☐No ☒NA
GB, SFM, SFO, AG (Currituck County); and R1, C (Southern Shores).	

j. Is the proposed activity part of an urban waterfront redevelopment proposal?	☐Yes ☒No
k. Has a professional archaeological assessment been done for the tract? If yes, attach a copy.	☒Yes ☐No ☐NA
If yes, by whom?	Archaeological survey information detailed in FEIS.
l. 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

<Form continues on next page>

m. (i) Are there wetlands on the site?	☒Yes ☐No
(ii) Are there coastal wetlands on the site?	☒Yes ☐No
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? *(Attach documentation, if available)*	☒Yes ☐No
n. Describe existing wastewater treatment facilities. N/A	
o. Describe existing drinking water supply source. N/A	
p. Describe existing storm water management or treatment systems. N/A	

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. Public toll bridge crossing Currituck Sound to allow for more efficient traffic flow to and from the Outer Bank's portion of Currituck County and nothern Dare County.	
c. Describe the proposed construction methodology, types of construction equipment to be used during construction, the number of each type of equipment and where it is to be stored. Proposed construction will utilize temporary work bridges, barges and staging areas. Typical construction equipment will include cranes, bulldozers, dump trucks, motor graders, tugs, etc	
d. List all development activities you propose. This project proposes to construct a new bridge on a new alignment across Currituck Sound from US 158 near Aydlett to NC 12 south of Corolla. The project would involve +/- 4.6-mile bridge across the Currituck Sound, with additional bridging over Maple Swamp. The bridge over the Currituck Sound would have minimum navigational clearance of 20 feet. Temporary work bridges and barges would be utilized to accomplish the construction of the bridge, eliminating the need to dredge work channels. There would also be localized improvements to US 158 and NC 12 to address the Purpose and Need for the project.	
e. Are the proposed activities maintenance of an existing project, new work, or both?	New
f. What is the approximate total disturbed land area resulting from the proposed project?	The area for disturbed land for the project is approximately 100 acres. This includes all areas except the open water in Currituck Sound ☐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. An on-site stormwater plan was developed by NCDOT after input from the regulatory agencies (primarily NC Division of Water Resources) and finalized on February 17, 2021. Overall, this plan utilizes wetland swales to the maximum extent practical to treat the newly built upon area. The proposed bridges will have deck drains installed in the form of 6-inch scuppers places on 12-foot centers. Permeable pavement will be used at the parking lot for the Proposed Toll Maintenance facility and at the Toll Collection Building. Infiltration basins will be installed at specific locations with preformed scour holes installed at the beginning and ending of the Bridge.	

i. Will wastewater or stormwater be discharged into a wetland?	☒Yes ☐No ☐NA
If yes, will this discharged water be of the same salinity as the receiving water?	☐Yes ☒No ☐NA
j. Is there any mitigation proposed? If yes, attach a mitigation proposal.	☒Yes ☐No ☐NA

<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.

d. A copy of the deed (with state application only) or other instrument under which the applicant claims title to the affected properties.

e. The appropriate application fee. Check or money order made payable to DENR.

f. A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management.

Name See attached sheet Address	Phone No.
Name See attached sheet Address	Phone No.
Name See attached sheet Address	Phone No.

g. A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.

N/A

h. Signed consultant or agent authorization form, if applicable.

i. Wetland delineation, if necessary.

j. A signed AEC hazard notice for projects in oceanfront and inlet areas. *(Must be signed by property owner)*

k. A statement of compliance with the N.C. Environmental Policy Act (N.C.G.S. 113A 1-10), if necessary. If the project involves expenditure of public funds or use of public lands, attach a statement documenting compliance with the North Carolina Environmental Policy Act.

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.

Date 11/9/2024 Print Name Michael Turchy

Signature Michael Turchy Digitally signed by Michael Turchy Date: 2024.11.09 21:49:39 -05'00'

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

Form DCM MP-2

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							
Width							
Avg. Existing Depth					NA	NA	
Final Project Depth					NA	NA	

1. EXCAVATION

☒*This section not applicable*

a. Amount of material to be excavated from below NHW or NWL in cubic yards.

b. Type of material to be excavated.

c. (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.

☐CW _____ ☐SAV _____ ☐SB _____

☐WL _____ ☐None

(ii) Describe the purpose of the excavation in these areas:

d. High-ground excavation in cubic yards.

2. DISPOSAL OF EXCAVATED MATERIAL

☒*This section not applicable*

a. Location of disposal area.

b. Dimensions of disposal area.

c. (i) Do you claim title to disposal area?

☐Yes ☐No ☐NA

(ii) If no, attach a letter granting permission from the owner.

d. (i) Will a disposal area be available for future maintenance?

☐Yes ☐No ☐NA

(ii) If yes, where?

e. (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.

☐CW _____ ☐SAV _____ ☐SB _____

☐WL _____ ☐None

(ii) Describe the purpose of disposal in these areas:

f. (i) Does the disposal include any area in the water?

☐Yes ☐No ☐NA

(ii) If yes, how much water area is affected?

3. SHORELINE STABILIZATION

☐ *This section not applicable*

(If development is a wood groin, use MP-4 – Structures)

a. Type of shoreline stabilization:
☐Bulkhead ☒Riprap ☐Breakwater/Sill ☐Other: _____

b. Length: stat. 119+00 = +/-230'; Pond +/-100';
Width: stat. 119+00 = +/- 20'; Pond +/-20';

c. Average distance waterward of NHW or NWL: 10'

d. Maximum distance waterward of NHW or NWL: 20'

e. Type of stabilization material:
riprap

f. (i) Has there been shoreline erosion during preceding 12 months?
☐Yes ☐No ☒NA

(ii) If yes, state amount of erosion and source of erosion amount information.

g. Number of square feet of fill to be placed below water level.
Bulkhead backfill _____ Riprap 6,600
Breakwater/Sill _____ Other _____

h. Type of fill material.
riprap

i. Source of fill material.
local quarry

4. OTHER FILL ACTIVITIES

☒ *This section not applicable*

(Excluding Shoreline Stabilization)

a. (i) Will fill material be brought to the site? ☒Yes ☐No ☐NA
If yes,
(ii) Amount of material to be placed in the water 0
(iii) Dimensions of fill area _____
(iv) Purpose of fill
Roadway Construction

b. (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.
☐CW _____ ☐SAV _____ ☐SB _____
☐WL _____ ☒None
(ii) Describe the purpose of the fill in these areas:
N/A

5. GENERAL

a. How will excavated or fill material be kept on site and erosion controlled?
Standard sedimentation and erosion control measures, as outlined in NCDOT Erosiona and Sedimentation Control Design and Construction Manual

b. What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)?
Typical construction equipment will include cranes, bulldozers, dump trucks, motor graders, tugs, etc

c. (i) Will navigational aids be required as a result of the project?
☒Yes ☐No ☐NA
(ii) If yes, explain what type and how they will be implemented.
Project will adhere to all lighting and marking requirements of the U.S. Coast Guard.

d. (i) Will wetlands be crossed in transporting equipment to project site? ☒Yes ☐No ☐NA
(ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.
Temporary construction matting will be used whenever crossing wetlands. Temporary bridging will be utilized to cross many wetland area.

11/9/2024
Date

Project Name
R-2576

Michael Turchy

Applicant Name

Digitally signed by Michael Turchy
Date: 2024.11.09 21:53:53 -05'00'

Applicant Signature

Form DCM MP-5

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.

1. BRIDGES

☐ *This section not applicable*

a. Is the proposed bridge:
☐Commercial ☒Public/Government ☐Private/Community

b. Water body to be crossed by bridge:
Currituck Sound

c. Type of bridge (construction material):
Concrete, mixed substrate design (see permit drawings)

d. Water depth at the proposed crossing at NLW or NWL:
1' to 9'

e. (i) Will proposed bridge replace an existing bridge? ☐Yes ☒No
If yes,
(ii) Length of existing bridge: _____
(iii) Width of existing bridge: _____
(iv) Navigation clearance underneath existing bridge: _____
(v) Will all, or a part of, the existing bridge be removed? (Explain)

f. (i) Will proposed bridge replace an existing culvert? ☐Yes ☒No
If yes,
(ii) Length of existing culvert: _____
(iii) Width of existing culvert: _____
(iv) Height of the top of the existing culvert above the NHW or NWL: _____
(v) Will all, or a part of, the existing culvert be removed? (Explain)

g. Length of proposed bridge: +/- 6.2 miles (4.66 miles over Sound)

h. Width of proposed bridge: generally the bridge is 40' clear roadway width except at the east end where it widens to 64' clear roadway

i. Will the proposed bridge affect existing water flow? ☐Yes ☒No
If yes, explain:

j. Will the proposed bridge affect navigation by reducing or increasing the existing navigable opening? ☒Yes ☐No
If yes, explain: No existing structure at location. Issuance of USCG permit prior to construction will ensure that navigation impacts will be considered.

k. Navigation clearance underneath proposed bridge: 20'

l. Have you contacted the U.S. Coast Guard concerning their approval? ☒Yes ☐No
If yes, explain: Project corrdinated with USCG during NEPA process and during the permitting process. Issuance of USCG permit prior to construction will ensure that navigation impacts will be considered.

m. Will the proposed bridge cross wetlands containing no navigable waters? ☒Yes ☐No
If yes, explain: The bridge over Maple Swamp will cross wetlands that contain no navigable waters. The bridge over Currituck Sound will not cross any wetlands.

n. Height of proposed bridge above wetlands: +/-10' (over wetlands in Maple Swamp)

2. CULVERTS

☐ *This section not applicable*

a. Number of culverts proposed: 1 culvert impacting surface waters (Site 2) . Rest of culverts are equilization pipes which do not convey surface waters.

b. Water body in which the culvert is to be placed:
Un-named intermittent stream (Site 2).

< Form continues on back>

c. Type of culvert (construction material):
Concrete Pipe

d. (i) Will proposed culvert replace an existing bridge? ☐Yes ☒No

If yes,

(ii) Length of existing bridge: _____

(iii) Width of existing bridge: _____

(iv) Navigation clearance underneath existing bridge: _____

(v) Will all, or a part of, the existing bridge be removed? (Explain)

e. (i) Will proposed culvert replace an existing culvert? ☐Yes ☒No

If yes,

(ii) Length of existing culvert(s): _____

(iii) Width of existing culvert(s): _____

(iv) Height of the top of the existing culvert above the NHW or NWL: _____

(v) Will all, or a part of, the existing culvert be removed? (Explain)

f. Length of proposed culvert: 228'

g. Width of proposed culvert: 42"

h. Height of the top of the proposed culvert above the NHW or NWL.
3.5'

i. Depth of culvert to be buried below existing bottom contour.
0'

j. Will the proposed culvert affect navigation by reducing or increasing the existing navigable opening? ☐Yes ☒No

If yes, explain:

k. Will the proposed culvert affect existing water flow? ☐Yes ☒No

If yes, explain:

3. EXCAVATION and FILL

☐ *This section not applicable*

a. (i) Will the placement of the proposed bridge or culvert require any excavation below the NHW or NWL? ☐Yes ☒No

If yes,

(ii) Avg. length of area to be excavated: _____

(iii) Avg. width of area to be excavated: _____

(iv) Avg. depth of area to be excavated: _____

(v) Amount of material to be excavated in cubic yards: _____

b. (i) Will the placement of the proposed bridge or culvert require any excavation within 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.

☐CW _____ ☐SAV _____ ☐SB _____

☐WL _____ ☒None

(ii) Describe the purpose of the excavation in these areas:
N/A

c. (i) Will the placement of the proposed bridge or culvert require any high-ground excavation? ☐Yes ☒No

If yes,

(ii) Avg. length of area to be excavated: _____

(iii) Avg. width of area to be excavated: _____

(iv) Avg. depth of area to be excavated: _____

(v) Amount of material to be excavated in cubic yards: _____

d. If the placement of the bridge or culvert involves any excavation, please complete the following:

(i) Location of the spoil disposal area:

(ii) Dimensions of the spoil disposal area: _____

(iii) Do you claim title to the disposal area? ☐Yes ☐No (*If no, attach a letter granting permission from the owner.)*

(iv) Will the disposal area be available for future maintenance? ☐Yes ☐No

(v) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAVs), other wetlands (WL), or shell bottom (SB)?

☐CW ☐SAV ☐WL ☐SB ☐None

If any boxes are checked, give dimensions if different from (ii) above.

(vi) Does the disposal area include any area below the NHW or NWL? ? ☐Yes ☐No

If yes, give dimensions if different from (ii) above.

e. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item **d** above) to be placed below NHW or NWL? ☐Yes ☒No

If yes,

(ii) Avg. length of area to be filled: _____

(iii) Avg. width of area to be filled:

(iv) Purpose of fill:

f. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item **d** above) to be placed within 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.

☐CW _____ ☐SAV _____ ☐SB _____

☒WL 1.018 acres permanent, 4.72 (temporary), and 0.06 (temporary) for utilities ☐None

(ii) Describe the purpose of the excavation in these areas:

Roadway fill and roadway construction

g. (i) Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item **d** above) to be placed on high-ground? ☒Yes ☐No

If yes,

(ii) Avg. length of area to be filled: +/- 18,000' (length does not include bridges over Maple Swamp and Currituck Sound).

(iii) Avg. width of area to be filled: +/-60'

(iv) Purpose of fill: Roadway construction

4. GENERAL

a. Will the proposed project require the relocation of any existing utility lines? ☒Yes ☐No

If yes, explain: See attached Utility Relocation Environmental Narrative

b. Will the proposed project require the construction of any temporary detour structures? ☐Yes ☒No

If yes, explain:

If this portion of the proposed project has already received approval from local authorities, please attach a copy of the approval or certification.

< Form continues on back>

c. Will the proposed project require any work channels?

☐Yes ☒No

If yes, complete Form DCM-MP-2.

d. How will excavated or fill material be kept on site and erosion controlled?

Standard sedimentation and erosion control measures, as outlined in NCDOT Erosion and Sedimentation Control Design and Construction Manual.

e. What type of construction equipment will be used (for example, dragline, backhoe, or hydraulic dredge)?

Standard roadway and bridge construction equipment, including bull dozers, back hoes, excavators, dump trucks, cranes, barges, andpaving equipment.

f. Will wetlands be crossed in transporting equipment to project site?

☒Yes ☐No

If yes, explain steps that will be taken to avoid or minimize environmental impacts.

Temporary construction matting will be used whenever crossing wetlands. Temporary bridging will be utilized to cross many wetland areas.

g. Will the placement of the proposed bridge or culvert require any shoreline stabilization? ☒Yes ☐No

If yes, complete form MP-2, Section 3 for Shoreline Stabilization only.

11/9/2024

Date

R-2576

Project Name

Michael Turchy

Applicant Name

Michael Turchy Digitally signed by Michael Turchy Date: 2024.11.09 21:56:28 -05'00'

Applicant Signature