



*Queen
Anne's
County*

DEPARTMENT OF PUBLIC WORKS

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County Commissioners:

James J. Moran, At Large
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J. Patrick McLaughlin, District 2
Philip L. Dumenil, District 3
Christopher M. Corchiarino, District 4

MEMORANDUM

Date: August 8, 2023

To: County Commissioners

ACTION ITEM

From: R. Shane Moore, PE

Subject: Beach Road Improvement Project Design

The Kent Island Estates Roads Associated and residents of the private Beach Road have expressed interest in upgrading the road to County standards with acceptance into the County Roads System. As you may recall we are currently working on three such projects in Kent Island Estates with Commissioner approval, Worcester Road, Elm Street and Virginia Road. Historically with these types of projects the residents pay 100% of the construction costs and the County completes the design and permitting inhouse at no cost to the residents.

Beach Road is a special design case and includes a 650 ft riprapped causeway in concerning condition connecting the residents to Kent Island Estates. See attached map. As such the staff proposes to contract out the design and permitting and have worked with DMS and Associates, of Centreville Md, to develop a scope of work to prepare final approved construction drawings and acquire all permits. DMS and Associates has submitted a proposal of \$41,100 to complete the surveying, environmental and design services. See attached DMS Cost Proposal.

With a completed design we can develop a construction cost estimate and schedule a public hearing to review the project for possible upgrade and acceptance by the County.

Requested Action:

I move to award the Beach Road Private to Public Road Design to DMS and Associates, of Centreville MD, in the amount of \$41,400.

Beach Rd

Kent Island Estates
Queen Anne's County
MARYLAND
1 in = 150 ft

- Project Limits
- Parcel Boundaries
- Lot Line
- Private Right of Way
- Continuing Ownership





Davis, Moore, Shearon & Associates, LLC

To: Mr. Shane Moore, Queen Anne's County Department of Public Works

From: Tom Davis

Date: June 15, 2023

RE: REVISED BUDGET ESTIMATES FOR SURVEYING, ENVIRONMENTAL, AND ENGINEERING DESIGN SERVICES FOR BEACH ROAD, KENT ISLAND ESTATES SUBDIVISION, DMS & ASSOCIATES JOB #2021134

Based on our site visits from 2021 and our knowledge of the Queen Anne's County permit process, we have developed the following updated budgets for surveying, environmental, and engineering design services to prepare construction drawings to improve Beach Road to meet the Queen Anne's County Department of Public Works road standards.

We offer the following:

1. Topographical and Location Surveying

We will retain Fink Whitten & Associates to provide a topographical and location survey to tie in to existing property lines and provide necessary topographical and location survey data for road and shoreline design.

Estimated Budget = \$6,100.00

2. Wetlands Delineation

We will retain Davis Environmental to delineate the non-tidal and tidal wetlands along Beach Road. We will submit a jurisdictional determination to the MDE/COE to confirm the limits of regulated wetlands. It is anticipated that wetlands and buffers will need to be impacted for expanded road width construction, stormwater management systems & outfalls, drainage improvements and grading. We will prepare permit drawings and will submit a joint permit application to the MDE for review and processing.

Estimated Budget = \$3,900.00

3. Geotechnical Study

We will retain the services of Hynes & Associates to complete a geotechnical investigation in the areas of expanded road area and in areas of new stone revetment and will have Hynes develop a report with recommendations for the road section and for special consideration for improvements for the stone revetment. This report will be provided to the client and will be used by DMS to design road and shoreline improvements as noted below.

Estimated Budget = \$8,000.00

4. Engineering Design

DMS will prepare construction drawings for road upgrades to include expanded road and base widening limits, drainage systems, stormwater management requirements, road grading, sediment and erosion control measures and other information necessary to construct the road.

Estimated Budget = \$12,500.00

5. Shoreline Stabilization

We will retain a marine consultant to evaluate the existing stone revetment along the bay and will make recommendations for improvements. Design of new stone revetment on areas of unprotected shoreline areas, will be incorporated into the construction drawings noted above.

Estimated Budget = \$6,600.00

6. Tree/Vegetative Removal Mitigation Plans

It is anticipated that the road upgrades and drainage improvements will require trees and vegetation to be removed which will require mitigation in the form of planting trees near the site or submission of a fee in lieu of mitigation plantings. We will prepare the tree clearing mitigation calculations and develop concepts for tree replacement mitigation.

Estimated Budget = \$1,500.00

7. Permits

It is anticipated that the expansion and upgrade of the road will require wetlands and buffers to be impacted. The county will also require a grading permit. It is anticipated that the disturbed areas necessary to construct the road will exceed an acre and therefore a MDE NOI stormwater discharge permit will be required. We will prepare the permit applications and will submit them to the appropriate agencies.

Estimated Budget = \$1,500.00

8. Direct Costs

Direct costs as specified below will be charged in accordance with the following rate schedule:

Postage/Courier.....	At Cost
Prints	\$2.50/ea.
Mylar's (24" x 36").....	\$7.50/ea.
Mylar's (18" x 24").....	\$3.75/ea.
Photocopies	\$0.25/ea.
Mileage.....	\$0.58/mi

Estimated Budget = \$1,000.00

9. Exclusions

The following items are not included in the budgets noted above:

- Construction Stakeout Survey Services
- Construction & Inspection Services
- Easement plats
- Wetlands Mitigation Plans
- As Built survey and plan services

DMS & Associates appreciates the opportunity to provide this revised preliminary budget estimate for your use in budgeting for the improvements and negotiations with adjacent landowners.

If you have any questions, please feel free to contact me at (443) 262-9130.

Sincerely,



DMS & Associates, LLC
Wm Thomas Davis, Jr., PE