



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