

MILLING AND RESURFACING

LILLENDALH ESTATE ROAD

St. Thomas, USVI

January 25, 2017

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ITEM NO.	DESCRIPTION	UNIT	GRAND TOTAL	UNIT COST	UNIT COST IN WORDS	TOTAL COST
1	Excavation & Backfill	CY	1,334			
2	Fill Granular	CY	1,445			
3	3-D Geomatrix mil thick	SY	267			
4	Top Soil and Seeding Hydro	SY	267			
5	Aggregate Base Course Bitum Surface	CY	5			
6	Bituminous Concrete Overlay 2"	SY	27			
7	CEF Cost Estimate	LS	1			
8	Direct Administrative Costs	LS	1			
9	Hazard Mitigation Proposal	LS	1			
TOTAL						

SCOPE OF WORK

During Tropical Storm Otto, the Lilliendahl Estate Road experienced landslides, undermining and asphalt road collapse. In order to bring the site to pre-disaster conditions, the following needs to be performed.

1. Excavate and remove the remaining loose soil affecting the damaged area nearby residence – excavation and backfill – 1334 cy.
2. Fill the area with structural fill (95% compaction rate), placed in layers as per the submitted sketch – fill granular 1445 cy.
3. To stabilize the area beside the road a gabion retaining wall (40' L x 3' W x 6' H) will be installed.
 - a. Bedding material for gabion retaining wall (40' L x 3' W x 0.5' H) – 3cy
 - b. Gabion retaining wall (40' L x 3' W x 6' H) – 27 cy
4. Soil stabilization measures:
 - a. 3-D geomatrix (Nylon, 18 mil thick) - (40' L x 60' H) – 267 sy
 - b. Top soil & hydroseeding - (40' L x 60' H) – 267 sy
5. Road Repairs:
 - a. Aggregate base course (6 in thick) - (40' L x 6' W x 0.5' H) – 5 cy
 - b. Bituminous Concrete Overlay (2 in) - (40' L x 6' W) – 27 sy