



**Beaufort County Public Works**  
**Stormwater Infrastructure**  
*Project Summary*

Project Summary: Big Road

Project #: 2010-085                      Completed: Mar-10

Narrative Description of Project:  
 Project improved 522 L.F. of drainage system. Removed debris and trash from flowline and fallen trees from workshelf. Bush hogged 362 L.F. of outfall ditch. Cleaned out 100 L.F. of outfall ditch. Upsized (2) access pipes to correct elevation. Jetted (2) access pipes. Installed rip rap for erosion control.

**Material Cost, Rental Equipment Summary, and Labor**

Material	Unit	Cost/Unit	Qty	Cost
24" HDPE Pipe	linear feet	\$13.89	80.0	\$1,111.20
Fill Dirt	ton	\$1.00	84.8	\$84.84
Rip Rap	ton	\$47.08	22.4	\$1,053.18
#57 Stone	ton	\$34.78	13.7	\$474.75
Filter Blanket	sy	\$0.63	83.3	\$52.50
Silt Fence	sy	\$0.78	27.2	\$21.23
Turf Staples	each	\$0.03	100.0	\$3.00
Water	gallon	\$0.01	1,500	\$15.00
Annual Rye Grass Seed	bag	\$0.00	0.5	\$0.00
Debris Disposal	ton	\$30.59	13.3	\$405.32
Debris Disposal	ton	\$16.00	4.0	\$64.64
Gas	gallon	\$2.59	46.0	\$119.14
Diesel	gallon	\$2.57	179.3	\$460.80
Labor	hours		310.5	\$10,564.03
<b>Total Cost of Materials, Rental Equip., and Labor</b>				<b>\$14,429.62</b>

Note: Labor cost includes the employee's salary plus fringe benefits.

**Equipment Cost**

Item	Asset No.	Cost/Hou	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	3.0	\$55.95
JCB Backhoe	22810	\$36.50	26.0	\$949.00
Bobcat T300	22847	\$20.10	2.0	\$40.20
JD Loader 444J	23271	\$29.75	6.0	\$178.50
Bush Hog	21300	\$35.00	7.0	\$245.00
Vacuum Truck	22812	\$20.30	3.0	\$60.90

**Site Photographs**

Before



During



**Big Road Project Summary Con't**

Project #: 2010-085

**Equipment Cost**

Item	Asset No.	Cost/Hou	Hrs.	Cost
Dump Trucks		\$16.68	50.0	\$834.00
Pickup Trucks		\$4.17	86.0	\$358.62
<b>Total Equipment Cost</b>				<b>\$2,722.17</b>

Cost/hour excludes fuel cost.

Total Cost: \$17,151.79

**Site Photographs**

Before



After



Project: Big Road

Activity: Drainage Emergency












Project #: 2010-085

Township: Port Royal Island

Completed: March 2010

### Legend

#### Drainage Type

-  River
-  Stream
-  Outfall
-  Lateral
-  Roadside
-  Roadside Pipe
-  Crossline
-  D/W
-  Access
-  Piped
-  Bleeder



0 20 40 80 120 160 Feet

1 inch equals 87.74 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 3/31/10  
File:C:\project summaries map\Big Rd 2010-085