



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

Project Summary: The Avenue
 Project #: 2009-105 Completed: Feb-10
 Narrative Description of Project:
 Project improved 3,653 L.F. of drainage system. Cleaned out 3,653 L.F. of roadside ditch. Installed (2) access pipes. Jetted (3) access pipes. Installed rip rap and hydroseeded for erosion control.

Material Cost, Rental Equipment Summary, and Labor

Material	Unit	Cost/Unit	Qty	Cost
15" RCP Pipe	linear feet	\$10.17	48.0	\$488.16
Fill Dirt	ton	\$1.00	15.9	\$15.91
Rip Rap	ton	\$47.08	3.7	\$175.61
Filter Blanket Woven	sy	\$0.06	27.8	\$1.75
Silt Fence	sy	\$0.78	7.8	\$6.07
Turf Staples	each	\$0.03	20.0	\$0.60
10-10-10 Fertilizer	bag	\$11.72	2.0	\$23.44
Hydromulch	bale	\$12.22	4.0	\$48.88
Hydrogel	cup	\$2.82	2.0	\$5.64
Hydromax	cup	\$2.54	2.0	\$5.08
Annual Rye Grass Seed	bag	\$19.21	2.0	\$38.42
Pin Flag	each	\$0.06	41.0	\$2.46
Water	gallon	\$0.01	1,750	\$17.50
Gas	gallon	\$2.44	6.0	\$14.64
Diesel	gallon	\$2.43	537.3	\$1,305.64
Labor	hours		648.5	\$21,433.80
Total Cost of Materials, Rental Equip., and Labor				\$23,583.60

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	45.5	\$848.58
Bobcat T300	22847	\$20.10	2.0	\$40.20
JD Loader 444J	23271	\$29.75	2.5	\$74.38
Vacuum Truck	22812	\$20.30	3.0	\$60.90
Hydroseeder	18909	\$7.50	2.0	\$15.00

Site Photographs

Before



During



After



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Equipment Cost

Item	Asset No.	Cost/Hou	Hrs.	Cost
Dump Trucks		\$16.68	220.5	\$3,677.94
Pickup Trucks		\$4.17	109.0	\$454.53
Total Equipment Cost				\$5,171.52

Cost/hour excludes fuel cost.

Total Cost: \$28,755.12

Site Photographs

Before



During



After



Project: The Avenue

Activity: Drainage Maintenance













Project #: 2009-105

Township: St. Helena Island

Completed: February 2010

Legend

Drainage Type

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



1 inch equals 241.02 feet