



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

Project Summary: Stroban Road

Project #: 2010-075

Completed: Dec-09

**Narrative Description of Project:**

Project improved 350 L.F. of drainage system. Cleaned out 350 L.F. of outfall ditch. Installed (1) crossline pipe and replaced (2) crossline pipes. Jetted (1) crossline pipe and (1) access pipe. Installed rip rap for erosion control.

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

Material	Unit	Cost/Unit	Qty	Cost
18" RCP Pipe	linear feet	\$10.59	96.0	\$1,016.64
Fill Dirt	ton	\$1.00	31.8	\$31.82
Rip Rap	ton	\$47.08	3.7	\$175.61
Silt Fence	sy	\$0.78	17.5	\$13.65
Filter Blanket Woven	sy	\$0.63	27.8	\$17.50
Turf Staples	each	\$0.06	35.0	\$2.10
Water	gallon	\$0.01	750.0	\$7.50
4ft Flagger	each	\$0.34	4.0	\$1.36
Flagging Tape	roll	\$4.26	0.2	\$0.85
Diesel	gallon	\$2.37	208.0	\$492.96
Gas	gallon	\$2.33	10.0	\$23.30
Labor	hours		219.0	\$7,651.90

**Total Cost of Materials, Rental Equip., and Labor** \$9,435.19

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

**Equipment Cost**

Item	Asset	Cost/Hour	Hrs.	Cost
Komatsu Mini Excavator	23000	\$18.65	4.0	\$74.60
JCB Urban Excavator	23364	\$40.53	8.0	\$324.24
JD Loader 444J	23271	\$29.75	3.0	\$89.25
JCB Backhoe	22810	\$36.50	4.0	\$146.00
Bobcat T300	22847	\$20.10	8.0	\$160.80
Vacuum Truck	22812	\$20.30	2.0	\$40.60
Dump Trucks		\$16.68	49.5	\$825.66
Pickup Trucks		\$4.17	54.0	\$225.18

**Total Equipment Cost** \$1,886.33

Cost/hour excludes fuel cost.

**Total Cost:** \$11,321.52

**Site Photographs**

Before



During



After











Project: Stroban  
Road Map 2

Activity: Drainage  
Maintenance












Project #:  
2010-075

Township:  
Sheldon

Completed:  
December 2009

### Legend

#### Drainage Type

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

0 80 160 320 480 640  
Feet

1 inch equals 275.9 feet

Prepared By: BC Stormwater Management Utility  
Date Print: 3/31/10  
File: C:\sethdata\project\projectmap\Stroban Rd Map2 2010-075





Project: Stroban  
Road Map 3

Activity: Drainage  
Maintenance












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