

Environmental Best Management Practices

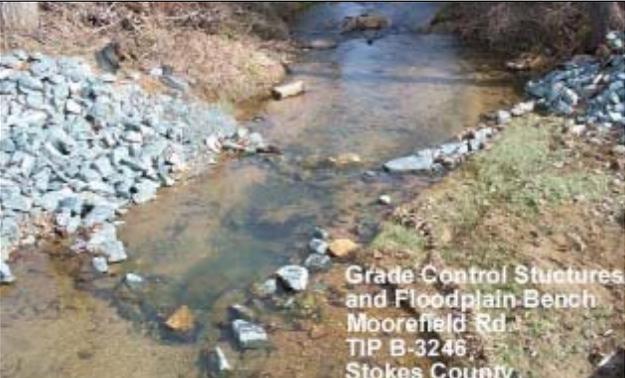
Project Name	
Top Down Constructed Bridge	
Project Description	
Division	
4	
Contact Name	Date Implemented
Shern, Jamie	7/2/2003
Photo1	
	

Project Name	
Still Basins to stop Contamination- Bloomery Swamp	
Project Description	
Division	
4	
Contact Name	Date Implemented
Shern, Jamie	7/2/2003
Photo1	
	

Project Name	
Causeway Construction at 264 Bypass	
Project Description	
Division	
4	
Contact Name	Date Implemented
Shern, Jamie	7/2/2003
Photo1	
	

Project Name	
Onsite Steam Relcoation- I-85	
Project Description	
Division	
5	
Contact Name	Date Implemented
Murray, Chris	7/29/2003
Photo1	
	

Project Name	
Floodplain Bench-Stokes County	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
	

Project Name	
Grade Control Structures and Floodplain Bench	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
 <p>Grade Control Structures and Floodplain Bench Moorefield Rd. TIP B-3246 Stokes County</p>	

Project Name	
Floodplain Bench - Stokes County	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
	

Project Name	
Floodplajn Bench - Forsyth County	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
 <p>Floodplain Bench Bridge 217 Providence Church Rd. Bridge Maintenance Unit</p>	

Project Name	
Freidburg Marsh Bog Turtle Mitigation Site	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
	

Project Name	
Sandy Ridge Mitigation Site	
Project Description	
Division	
9	
Contact Name	Date Implemented
Hampton, Diane	7/30/2003
Photo1	
	

Project Name

Secondary Road - grade, drain, base and pave

Project Description

Only one wet pipe. Typically we are required to bury all wet pipes 20%. However, doing so can create upstream headcutting and local instability. Therefore we decided to bury the outlet 20% to help the pipe fill in and place the inlet at grade to prevent upstream headcutting. Some non-aquatic life blocking

Division

11

Contact Name

Slaughter, Heath

Date Implemented

8/1/2003

Photo1

Project Name	
Bridge Replacement	
Project Description	
SR 2444, TIP # B-3455 Bridge Replacement Gaston County Original plan was to replace bridge with double barrel culvert- PDEA obtained NW#23 for project Was modified to replace bridge with bottomless culvert spanning structure; no fill in stream	
Division	
12	
Contact Name	Date Implemented
Simon, Trish	7/31/2003
Photo1	
	

Project Name	
Secondary Road Paving Project/Pipe Replacement	
Project Description	
SR 1102, Secondary Road Paving Project/Pipe Replacement The road required minor widening to provide adequate shoulder width; however, a small stream was located at the edge of gravel on the unpaved road. A minor stream relocation was done following natural channel design principles. Coconut fiber matting was used to stabilize the stream bank and the area has since revegetated. Allowed for construction and paving of road to proceed.	
Division	
12	
Contact Name	Date Implemented
Simon, Trish	7/31/2003
Photo1	
	

Project Name	
Bridge Replacement (Bud Davis Road)	
Project Description	
SR 1110, Bridge Replacement	
Deteriorating bridge being replaced with double pipes Pipes are offset to allow normal flow through only one pipe; floodplain benches were constructed to direct flow to one pipe and to maintain channel dimensions.	
Division	
12	
Contact Name	Date Implemented
Simon, Trish	7/31/2003
Photo1	
	

Project Name	
Pipe Replacement	
Project Description	
SR 1535, Pipe Replacement Cleveland County Deteriorating pipe being replaced in DWQ designated trout waters	
Division	
12	
Contact Name	Date Implemented
Simon, Trish	7/31/2003
Photo1	
	

Project Name	
Cherohala skyway (Scenic Byway)	
Project Description	
Division	
14	
Contact Name	Date Implemented
Lee, don	3/28/2004
Photo1	
	

Project Name	
Virginia Dare Memorial Bridge	
Project Description	
To help alleviate local and tourist-related traffic to and from the Outer Banks of North Carolina and to facilitate hurricane evacuation, the N.C. DOT replaced the existing bridge with the new four-lane, 5.25-mile Virginia Dare Memorial Bridge. The project construction team developed an innovative system of collectors and drainpipes to carry oil and used biodegradable vegetable oil-based hydraulic fluid in construction equipment to prevent run off into the nearby water. The judges were impressed by the extent of the environmental protection measures, which helped save N.C. taxpayers \$3 million in construction costs.	
Division	
1	
Contact Name	Date Implemented
Midgett, Randy	
Photo1	
	

Project Name	
Timber Pedestrian Bridge (Old Salem)	
Project Description	
Division	
9	
Contact Name	Date Implemented
Photo1	
	

Project Name	
Smith Creek Parkway (aka Martin Luther King Pkwy)	
Project Description	
Division	
3	
Contact Name	Date Implemented
Lane, Leigh	
Photo1	

Project Name	
Rocky Branch Mitigation Stie (at NCSU)	
Project Description	
Division	
5	
Contact Name	Date Implemented
Harris, Phil	
Photo1	
	

Project Name	
Greensboro Battleground Rail Trail	
Project Description	
Division	
7	
Contact Name	Date Implemented
Norman, Tom	
Photo1	
	

Project Name	
Wilmington Bypass (Chair Road community)	
Project Description	
Division	
3	
Contact Name	Date Implemented
Ward, Everett	6/28/2004
Photo1	

Project Name	
Juniper Bay Mitigation Stie (Environmental Research Aspects)	
Project Description	
Division	
6	
Contact Name	Date Implemented
Rochelle, Rodger	
Photo1	

Project Name	
Hillsborough Street Partnership	
Project Description	
Division	
5	
Contact Name	Date Implemented
Szlosberg, Nina	
Photo1	
	

Project Name	
Grimesland wetland site	
Project Description	
Division	
2	
Contact Name	Date Implemented
Paugh, LeiLani	6/28/2004
Photo1	

Project Name	
Greenway at Crabtree Valley Mall	
Project Description	
Division	
5	
Contact Name	Date Implemented
Norman, Tom	
Photo1	

Project Name	
Goose Creek (Charlotte Outerloop)	
Project Description	
Division	
10	
Contact Name	Date Implemented
Harris, Phil	
Photo1	

Project Name	
Eden House Site (Archeology)	
Project Description	
Division	
1	
Contact Name	Date Implemented
Wilkerson, Matt	
Photo1	
	

Project Name	
Croatan Mitigation site	
Project Description	
Division	
2	
Contact Name	Date Implemented
Paugh, LeiLani	
Photo1	

Project Name	
Adkin Branch stream restoration project	
Project Description	
Division	
2	
Contact Name	Date Implemented
Paugh, LeiLani	
Photo1	

Project Name	
ABC wetland site	
Project Description	
Division	
2	
Contact Name	Date Implemented
Paugh, LeiLani	
Photo1	

Project Name	
Asheville Urban Trail	
Project Description	
Division	
13	
Contact Name	Date Implemented
Norman, Tom	
Photo1	
	

Project Name	
Tulula Bog Wetland Mitigation Site (mitigation needs and research aspects)	
Project Description	
Division	
14	
Contact Name	Date Implemented
Cashin, Gordon	
Photo1	
	

Project Name	
Rail Depot renovations statewide	
Project Description	
North Carolina cities and NCDOT are renovating rail stations in Salisbury, Fayetteville, Hamlet, Wilson, and Rocky Mount. Rail stations in Greensboro, High Point and Selma are also scheduled to be refurbished.	
Division	
Various Divison	
Contact Name	Date Implemented
Smith, Laurie or Foster, Da L.L.	
Photo1	

Project Name	
American Tobacco Trail in Durham	
Project Description	
Division	
5	
Contact Name	Date Implemented
Norman, Tom	6/28/2004
Photo1	
	

Project Name	
Massive Pipe culvert Replacement	
Project Description	
Division	
6	
Contact Name	Date Implemented
Rerko, Jim	
Photo1	

Project Name	
Oak River Bridge Replacement	
Project Description	
Division	
3	
Contact Name	Date Implemented
	6/28/2004
Photo1	

Project Name	
Doug galyon Multimodal Transporation Facility	
Project Description	
Division	
7	
Contact Name	Date Implemented
	6/28/2004
Photo1	

Project Name	
Red Cockaded Woodpecker Preserves	
Project Description	
Division	
8	
Contact Name	Date Implemented
Bain, Hal	6/28/2004
Photo1	
	

Project Name	
Grassy Creek Bridge Replacement	
Project Description	
Division	
11	
Contact Name	Date Implemented
McMillan, Art	6/28/2004
Photo1	
	

Project Name	
Tar River Greenway Bridge	
Project Description	
Division	
4	
Contact Name	Date Implemented
Normon, Tom	6/28/2004
Photo1	
	

Project Name	
I-26 Rest Area (Collaborative time and green features)	
Project Description	
Division	
Contact Name	Date Implemented
Lee, Don	
Photo1	

Project Name

Native vegetation on Roadside for Monarch Butterfly Program

Project Description

Due to changing land-use much of the milkweed necessary for the Monarch's migration pattern is disappearing. The Roadside Environmental Unit researched the issue and, with approval from the NC Department of Agriculture, implemented the "Monarch Butterfly Program". Two North Carolina natives, Swamp and Common milkweeds are planted from seed into one-acre plots within the Wildlife Habitat plots. The showier Butterfly Weed is planted in some of the one-acre wildflower beds along our interstates. This installation serves a double purpose by allowing us to incorporate more native plants into our roadside landscaping program.

Division

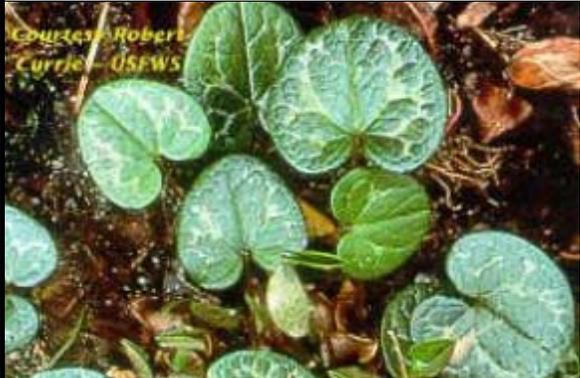
Various Divisions

Contact Name

Lee, Don or Landi, Helen

Date Implemented**Photo1**

Project Name	
Green Rest Area (under development)	
Project Description	
Division	
11	
Contact Name	Date Implemented
Lee, Don	6/28/2004
Photo1	

Project Name	
Dwarf Flowered Heartleaf Preserve (1000 acres)	
Project Description	
Division	
12	
Contact Name	Date Implemented
Bain, Hal	
Photo1	
	

Project Name	
Wildlife underpasses on I-26	
Project Description	
Division	
13	
Contact Name	Date Implemented
	6/28/2004
Photo1	

Project Name	
Lengyel Mitigation Site	
Project Description	
Division	
2	
Contact Name	Date Implemented
Hunkins, Julie	6/28/2004
Photo1	
	

Project Name	
Town of Bethania Comprehensive Transportation & Land Use Study (Historic Preservation)	
Project Description	
Division	
9	
Contact Name	Date Implemented
Bruff, Mike	6/28/2004
Photo1	

Project Name	
Ivy Creek relocation and reconston in Madison County	
Project Description	
Division	
13	
Contact Name	Date Implemented
Harris, Phil	6/28/2004
Photo1	

Project Name	
Proposed NCDOT/WRC Grassland Habitat Project	
Project Description	
Division	
Contact Name	Date Implemented
Harris, Phil	6/28/2004
Photo1	

Project Name	
Bridge Replacement at Mayo River	
Project Description	
Photos from Rockingham County, Bridge 64 Replacement over the Mayo River on US-220 Business. T.I.P Number B-3230. UACE ID. 199820823 & 200120629. Pictures provided to illustrate use of the timbermat causeway.	
Division	
7	
Contact Name	Date Implemented
	7/13/2004
Photo1	
	

Project Name	
Bridge Replacement over Dan River	
Project Description	
Division	
9	
Contact Name	Date Implemented
	7/13/2004
Photo1	

Project Name	
Spencer Shops (roundhouse renovations at the NC Transportation Museum)	
Project Description	
NCDOT and North Carolina Transportation Museum are restoring Spencer's Shop and Robert Julian Roundhouse	
Division	
Contact Name	Date Implemented
Denese Lavender	
Photo1	

Project Name	
NCDOT/USFWS - Dwarf-flowered Heartleaf delisted as a threatened species	
Project Description	
NCDOT acquired 1000 acres of land in Cleveland county for a preserve to protect the federally threatened Dwarf-flowered Heartleaf herb. The acquisition also expanded the county's only greenway from 500 to 1500 acres.	
Division	
Contact Name	Date Implemented
Photo1	

Project Name	
Sawmill mitigation site in Craven County	
Project Description	
Construction of US17 Neuse River Bridge in New Bern and other projects within the coastal plain Neuse River Basin, facilitated the need for wetland mitigation projects in that region. Two constructed wetlands serve as mitigation the Lengyel and Sawmill. Sawmill is located along the north bank of Scotts Creek and provides .78 acres of brackish tidal march and 2.4 acres of tidal cypress-gum swamp.	
Division	
Contact Name	Date Implemented
Jamie Lancaster	
Photo1	

Project Name	
Project Description	
Division	
Contact Name	Date Implemented
Photo1	