

**North Carolina Department of Transportation
Erosion and Sedimentation Control/Stormwater Report
Roadside Environmental Unit**

Report Type

- Routine PCN
 ICA ECPAR
 ICA Ex 1st
 ICA Ex 2nd
 CICA - SWO

ICA/PCN
**Immediate Corrective Action/Permit
 Consultation Needed**

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000). This project does not comply with the permit requirements for the project. Permit consultation is needed to resolve the situation to full compliance.

Project Information

Project Number: 39929.3.1 **Date of Inspection:** 09/03/2013 **Evaluator:** Phil Suggs
Location: I-485 from I-77 to SR 3624 (Rea Road) South of Charlotte
Project Type: Contract **County:** MECKLENBURG **Division:** 10 **TIP Number:** R-4902
Length of Project: 9.20 **Disturbed Acreage:** 40 **HQW Zone:** N **Trout Zone:** N

Project Evaluation

Length	Section Description	Installation of BMP's	Maintenance of BMP's	Effectiveness of BMP's	Plan Implementation	Overall Project Evaluation
9 0.20	Permitted Area(s)	-- 6	-- 6	-- 6	-- 6	-- 6
Grading Scale: 10 = Excellent 9 = V. Good 8 = Good 7 = Fair 6-0 = Immediate Corrective Action Needed						

ICA/PCN Comments:

Request the DEO consult with DWR to determine the scope of the sediment impacts to Little Sugar Creek and any further sediment cleanup needed. Please contact me when this determination has been made.

Remarks and Recommendations:

This ICA Report is issued for this project for sediment loss at the end bent 2 side at Little Sugar Creek. Failure to install compacted berms per the updated EC plans for this site and failure to maintain a berm across the access ramp to the creek resulted in undermined silt fence and sediment loss into Little Sugar Creek.

Prior to this event and after a previous ICA report dated 6/21/2013, a meeting had been held with designers to upgrade the EC plans for this and the other bridge construction sites.

The contractor had not installed the compacted berm underneath the existing bridge to protect the known low point and drainage outlet. There had been a previous sediment loss at that same point prior to this event.

The contractor has already cleaned up accumulated silt on the sand bar and apparently removed approximately 3-4 cy's of sediment from the existing sand bar. At this time, further instructions from DWR may require additional clean up.

The project will be reviewed by Tuesday, Sept 10, for installation of EC devices per the revised plans at Little Sugar Creek and at the other 3 creeks as well. Any additional EC maintenance needs for this project should be addressed before the return visit as well.

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- Routine PCN
- ICA ECPAR
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- CICA - SWO

Project Information

Project Number: 39929.3.1 Date of Inspection: 09/10/2013 Evaluator: Thomas A Smith
Location: I-485 from I-77 to SR 3624 (Rea Road) South of Charlotte
Project Type: Contract County: MECKLENBURG Division: 10 TIP Number: R-4902
Length of Project: 9.20 Disturbed Acreage: 40 HQW Zone: N Trout Zone: N

Project Evaluation

Length	Section Description	Installation of BMP's	Maintenance of BMP's	Effectiveness of BMP's	Plan Implementation	Overall Project Evaluation
0.20	Permitted Area(s)	7	8	8	7	8
9	Remainder of Project	8	7	8	8	8

Grading Scale: 10 = Excellent 9 = V. Good 8 = Good 7 = Fair 6-0 = Immediate Corrective Action Needed

Comments:

Remarks and Recommendations:

Met on site with Bob (NCDOT) and Jason C. (Lane).

-All corrective actions from ICA report dated 9/3/2013 have been completed at this time. ICA has been lifted.

Little Sugar Creek:
-Erosion control devices have been installed/repared per ICA at this time. A few items need to be addressed due to on going work in this area.
-Install slope drain device at end of rip-rap channel under bridge to catch runoff from existing bridge deck. Concern is that excessive water from drains will breach silt fence at drilled shaft location.
-Re-install T in slope drain per conversation on site to insure runoff will flow into slope drain pipe. (Slope drain pipe needs to be installed to have positive drainage.)
-Install additional berms as drilled shafts are completed.

McAlpine:
-Bent 1 Side: Remove concrete / sediment from creek where washed down between bridge mats into the creek. Appears to be less than a 5 gal bucket.
-Pull bridge mats and replace silt fence along the top of creek bank on Bent 1 Side.
-Re-install silt fence on Bent 2 side per conversation on site.
-Haul sludge from drilled shafts off to waste area as it is removed and do not stockpile it near creek.
-Stabilize exposed areas between silt fence and creek bank with coir fiber matting.