NDDOT Stormwater Training and Special Provisions
NDDOT Stormwater Training and Certification Program

Two Course Types

- Design
- Construction

Training

Certification
Special Provisions

SP0003(14)

Temporary Erosion and Sediment Best Management Practices

SPxxxxxx

Temporary Stream Diversions
SP03(14)

Temporary Erosion and Sediment Best Management Practices

- All Projects Greater Than One Acre
- Defines Contractor Responsibility
SPxxxxxx
Temporary Stream Diversions

General Requirements for things found in all diversion types

Specific Requirements for pieces of diversions that may be applicable

Contractor develops a plan based upon the situation and diversion type
Temporary Stream Diversions

Upstream water quality = Downstream water quality

Maintain Normal Flow

Large Risk in Extremely Environmentally Sensitive Areas
Temporary Stream Diversions

Stream Diversion = Stream

Minimize impacts

Negates other work if done wrong
Culvert Extensions as of January 20^{th}, 2015

May change from this version

Also one similar created for new construction

Traffic Bypasses may be included in the future
General Requirements

Construct using a dike and a combination of the items listed

Place stockpiles and excavated material ≥ 200 feet away

Work Area Dewatering requirements
Plan

Submit a Temporary Stream Diversion Plan with SWPPP.

Include provisions for:

Preventing sediment accumulation

Concrete waste control

Construction debris control
Types of Diversions

Pipe Diversion

Suspended Pipe Diversion

Pipe Diversion

Channel Diversion

Pump Diversion

Existing Cell or Culvert
Removal

Permanent ESCMs and flow dissipation before opening to flow

Flow dissipation

Remove individual pieces in correct order
Removal

Do not start removal until complete

Remove all materials used to construct diversion

Do not wait to remove diversion once work within the channel is complete

Includes placement of riprap and permanent ESCMS

Restore diversion area to preexisting condition
Basis of Payment

Pay Item = Temporary Stream Diversion

Pay Unit = Each

75% paid upon installation

Last 25% upon removal and restoration
Basis of Payment

Include cost of installation, maintenance and removal

Including traffic control and ESCMs

SP 03(14) does not apply to ESCMs for stream diversions
Questions?

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