

All,

Attached you will find two versions of the MoDOT January 2014 SWPPP. One is a clean version you can print out and the other is a copy of my working file showing the numerous markups so you know what has changed. There are some significant changes you need to be aware of. Some of the information in the SWPPP is coming ahead of some significant changes with Section 806 of the Missouri Standard Specifications for Highway Construction Dennis Brucks and I have been working on. This means there may be some transition guidance needed until the spec changes are made.

Quick reference summary of primary changes:

- The only land disturbance, including borrow and excess disposal sites, covered by the MoDOT permit and SWPPP must be completely on MoDOT right of way or easements. This means no more "contiguous" borrow or waste areas. The work is either on right of way or it's not. If it's not, it requires a separate permit and SWPPP.
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- Our focus should be on managing for erosion control, but backing it up with appropriate and well planned sediment control BMPs.
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- We need to plan for temporary seeding and actually use this tool. It is important for our focus on erosion control. We should utilize temp seed and mulch to cover up exposed soil we don't plan on working again for a while. Also, there are certain times of the year we should not be putting down permanent seeding. During these times, we use temp seed and mulch and cover up bare soil so it doesn't wash away. Then, we can come back and put down permanent at the appropriate times.
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- The use of Fiber Reinforced Matrix or other spray on blanket materials may require application by walking the areas with a hose sprayer. Sometimes spraying from a truck or trailer just doesn't get the coverage you need and leaves bare spots called "shadowing". These bare spots then tend to erode and jeopardize your entire application.
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- Sediment basins: We need to be putting thought into whether or not we need to incorporate a basin or basins into our job early in the design process. If we do wish to use one, it may take additional right of way or easement. Also, if we determine that a basin is needed due to our drainage size, but logistics make it difficult or impossible to install one, we need to document that with writing in the SWPPP and then discuss why we chose other BMPs over the use of a basin. If you do construct a basin, seed and mulch or otherwise stabilize the side slopes so they aren't eroding and taking up capacity.
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- **NEW! DITCH CHECKS:** We are doing away with "Type I" and "Type II" ditch checks. We will now be using "Rock Ditch Check" and "Alternate Ditch Check". This has been changed in the SWPPP, but it will take some time to push this through the spec changes. Rock ditch checks will be the predominant MoDOT ditch check. Alternate ditch checks will include our other checks, such as the triangular, tubular or cylindrical and other devices. Straw bales, geotextile silt fence and straw wattles are no longer acceptable as MoDOT ditch checks. **READ THIS IN THE SWPPP!**
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- Silt Fence: There are some important clarifications regarding the use of silt fence we should become familiar with.
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- **NEW Device!** Rock/Mesh Sediment Control Fence and Inlet Protection Device: Geotextile or other "silt fence" types of devices may not always be appropriate in certain situations. This new device can be utilized to add more substantial protection in areas we believe "silt fence" devices

will not withstand either expected flows or sediment loading. The same concept can also be utilized at inlets.

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- Inlet controls are now broken down based on curb or area/culvert inlet type. Avoid the use of geotextile silt fence (unless it is wrapping a constructed frame) and straw bales at inlets.
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- The use of straw bales has been reduced for only a diamond grinding slurry BMP. They are no longer an acceptable ditch/inlet check or perimeter BMP.
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- DE should be creating at least two phases of erosion and sediment control plans. One for the BMPs that need to be installed at "time zero", prior to clearing and grubbing or immediately after, and then active construction/final phase BMPs.
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- More and further clarification has been added for weekly and post-runoff inspections.
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- All MoDOT project concrete washout pits will be lined to prevent potential groundwater contamination.
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- Updated 12/2013 MoDOT Land Disturbance Inspection Form.
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- Updated MoDOT/Contractor responsibility guidance for land disturbance and concrete and asphalt plant sites. "Contiguous" borrow and excess disposal sites no longer allowed to utilize the MoDOT permit and SWPPP. Figure 806.8.1

Please discard the June 2012 SWPPP and begin using the January 2014 SWPPP for MoDOT projects.

(See attached file: [MoDOT SWPPP January 2014.pdf](#))(See attached file: [MoDOT SWPPP January 2014 Redlined.pdf](#))

If you have any questions, please contact Nate Muenks at 573-751-2790 or Nathan.Muenks@modot.mo.gov or Dennis Brucks at 660-385-8270 or Dennis.Brucks@modot.mo.gov.

Thank you for your interest.



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