

2018 NCDOT – Geotechnical Consultant Combined Workshop Agenda **(DRAFT)**

Sponsored by: NCDOT Geotechnical Engineering Unit

Date: June 27, 2018 **Time:** 8:00 am – 3:30 pm **PDH Award:** 4.42 Hours
Location: Embassy Suites Hotel, 201 Harrison Oak Boulevard, Cary, NC 27513

Time	Presentation Title & Presenter
8:00 am – 9:00 am	Check-in / Coffee & Light Breakfast
9:00 am – 10:30 am	First Session – General Contract & Lessons Learned (1.50 PDHs, Chimney Rock)
9:00 am – 9:10 am	1. Opening Remark John Pilipchuk & Mohammed Mulla, NCDOT
9:10 am – 9:25 am	2. Geotechnical Contract – Investigation Mohammed Mulla NCDOT
9:25 am – 9:30 am	3. Lean Six Sigma – Consultant Evaluation Cheryl Youngblood, NCDOT
9:30 am – 9:40 am	4. The Office of Inspector General – General Rules & Guidelines Wayne Davenport, NCDOT-OIG
9:40 am – 9:50 am	5. Geotechnical AASHTO Agenda Items and Prequalification Updates John Pilipchuk, NCDOT
9:50 am – 10:10 am	6. Preslar’s Exxon – A Tale of Two Agencies Michael W. Branson, Solutions-IES/Draper Aden Associates
10:10 am – 10:30 am	7. What To Do When Your New Building IS sinking Raymond S. “Trey” Marchant, Mid-Atlantic Associates
10:30 am – 10:50 am	Coffee Break
10:50 am – 12:00 pm	Second Session – Lessons Learned (1.17 PDHs, Chimney Rock)
10:50 am – 11:20 am	8. NC 811 Training Howard Corey, NC 811
11:20 am – 11:40 am	9. UST Removal for Dummies: How to Remove a UST... With a Guy Wire Anchored Inside the Tank! Beau Hodge, Geosyntec Consultant of NC
11:40 am – 12:00 pm	10. New Continuing Education Requirements for Licensed Geologists Rick Kolb, Duncklee and Dunham and NC Board for Licensing of Geologists
12:00 pm – 1:00 pm	Lunch Break (Lunch Provided, Chimney Rock)
12:15 pm – 1:00 pm	Luncheon Presentation: Unmanned Aircraft Systems and Surveying (0.75 PDHs) David Turtle, NCBELS Board Counsel
1:00 pm – 2:00 pm	Third Session (Concurrent Sessions) – Special Topics (1.00 PDHs)
1:00 pm – 2:00 pm	12a. Geotechnical Design & Investigation (Chimney Rock) Cheryl Youngblood and Chris Chen, NCDOT
1:00 pm – 2:00 pm	12b. GeoEnvironmental (Biltmore & Hope) Cyrus Parker, NCDOT
2:00 pm – 3:30 pm	Mohammed Mulla Retirement (Everyone is welcome)

ABSTRACTS

The Office of Inspector General – General Rules & Guidelines

Wayne Davenport, CFS, CICA, CFIP, RTRP

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Discussion regarding pay rates, overhead rates, proposals and invoices. Auditor will share the importance of making sure everything is timely filed and correct. Otherwise, issues will arise and processes will slow down causing delay of payment from the department to the consultant. Lessons learned and trends will also be presented.

Preslar's Exxon – A Tale of Two Agencies

Michael W. Branson, P.G.

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Preslar's Exxon is the NCDOT's only UST Trust Fund project. Although two state agencies, NCDOT and NCDEQ, are involved and have the same overall objective, which is to close the site, the path to closure is very different from each agency's perspective.

What to Do When Your New Building Is Sinking

Raymond S. "Trey" Marchant, III, P.G.

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What do you do when your new student housing building is sinking and the only solution is to install 1,200 micropiles through a completed vapor mitigation system and generate millions of gallons of contaminated mud and groundwater? Learn how an innovative solution saved millions on this construction project.

UST Removal for Dummies:

How to Remove a UST... WITH A GUY WIRE ANCHORED INSIDE THE TANK!

Beau Hodge, P.G.

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A seemingly routine UST removal morphed into several lessons learned in adaptability, flexibility, practice area cross pollination, among others. The following questions and comments were actually offered at one point while attempting to remove an abandoned in-place UST.

- *Wait*, is this one tank or two?
- Is the top of the UST *really* sheared off completely?
- Do those power pole guy wires *actually* penetrate the UST?
- Is that fire loop line *actually* installed in the middle of the UST?
- "*Great*", this UST is acting as a sheet pile wall. If we remove it, we may compromise the power pole.

The site conditions were in constant flux, challenges were abundant, and effective strategizing will be prudent to safely and effectively remove the UST from below the surface.