

DISTRICT THREE DESIGN NEWSLETTER



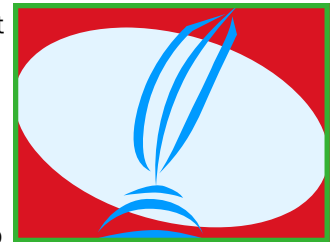
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From the Editor's Desk— Are You Following Your Quality Control Plan?

Scott Golden, P.E., District Design Engineer

We have reinitiated our Quality Assurance (QA) efforts in District Three. If you have an active design project with District Three, I encourage you to have your Quality Control (QC) efforts up-to-date. Bill Evans and Miranda Glass recently visited one of our consultants and performed a QA review of the project. Needless to say, that “lucky” consultant was quite surprised when Bill and Miranda walked in and introduced themselves and said “Oh by the way, I need to see your QC plan, marked-up documents and plans.” I recall several years ago (yes, this is an old war story), I went to a consultant's office to do a QA review and asked to see the project QC plan. The response from the consultant was, “I know that I've got one of those things around here somewhere!” I thought it was a joke at first because I had given 24 hours notice that I was coming. I will let you fill in the rest of the story and you really don't even have to use too much of your imagination.



Okay, so what do you need to do?

1. Have your QC plan readily available.
2. Make sure that your QC plan is project specific and up-to-date.
3. Ensure that your phase submittals have corresponding “mark-ups” and have been initialed.
4. Design documentation should contain QC review “mark-ups.”
5. Ensure your staff is familiar with the QC plan and are using it on your projects.
6. Have a current Organizational Chart (project personnel, including: positions, years of experience, number of years with the company).

Have a safe and happy New Year! Scott.

Expect perfection, settle for excellence and remember to drive safely!



District III Quarterly Design Newsletter

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Happy New Year!



Design Spotlight—Mike Melvin

Scott Golden, P.E., District Design Engineer



Mike Melvin, Senior Project Manager, retires on March 31, 2010. He began his career in February 1969 (41 years ago) in the District Three Roadway Design Office (in the days of ruling pens, linen sheets and old Monroe hand operated adding machines). Throughout the years, he has held a variety of positions in Design and Maintenance, including Permits, Fixed Capital Outlay Coordinator, Maintenance Contracts and supervisor for the District Wide Building Crews and warehouse. Mike has been a leader in the Project Management section of Design since 1994.

Mike worked on almost all types of FDOT projects ranging from emergency repair projects to design-build. He has a wealth of knowledge of FDOT (not just Design). Mike has been a mentor to so many younger employees that it would be near impossible to name them all or to estimate the benefits to the State of Florida. Mike's legacy will be his willingness to help anyone with an issue, share his vast knowledge and get-r-done attitude.

On a personal note, Mike has been a mentor to me in a lot of ways. I have always known Mike to have a very high standard of professional and personal conduct, a man of God, a servant to his community and a very good steward of the State of Florida. He considers the mission of the Florida Department of Transportation to be paramount. His work ethic, experience and knowledge of the transportation process will be missed. Throughout my years with the Department I have had the honor of working with and for some great leaders, Gene Martin, Edward Prescott and Larry Kelley, to name a few. Mike joins the ranks of those FDOT retirees on March 31.

You are invited to Mike's retirement reception on Thursday, March 4, 2010. It will be held here in the Design Conference Room. If you are interested in attending, please contact Mrs. Aixa Corbitt.

District 3 wishes him a long and happy retirement and best of luck in his future endeavors.

Top Ten Quality Control Comments Oct. – Dec. 2009

1. Please ensure that Plan Notes are updated and do not duplicate information in the Specifications and/or Design Standards.
2. Update the terminology in the Plans concerning the **Erosion Control** Pay Items beginning with the **January, 2010 Lettings. (Estimates Bulletin 09-02 dated July 9, 2009.)**
3. For Pay Item 0110-1-1, enter the Number of Acres for the Secondary Unit of Measure such that the Computation Book and Trns*port match.
4. For the Overbuild, add a detail, table and a Note to the Plans with the TN quantity. Ensure that no Overbuild thickness is less than ½ Inch.
5. Ensure that Control Zones are being identified and hazards are offset accordingly.
6. The elevation text needs to line up on top of the Major Grid lines on cross section sheets, this appears to be a text justification issue.
7. If a Variable Message Sign is to be used, add a note indicating what messages are to be conveyed.
8. Include Gas Main warning note when gas lines are located in area of construction.
9. Coordinate with the Project manager to ensure mile post is recorded correctly in the FM System.
10. When there are existing overhead electric and buried fiber optic lines, they need to be clearly indicated on the plans.



Supplemental Agreement Report – October 2009 - Dec. 2009

Miranda Glass, P.E., District Roadway Design Engineer

Following is a sample of Supplemental Agreements for the fourth quarter of 2009 (October through December). The three (3) categories of Supplemental Agreements that are included in this summary are 001, 101, and 007. This summary is included in the Quarterly Design Newsletter as a tool to inform designers of errors and omissions that can lead to Supplemental Agreements and unnecessary cost to the public. Below are brief descriptions of those errors or omissions and the department's responses.

Description Code: 001 - Subsurface material or feature not shown in plans.

Reason: Improvements under this contract consist of construction of a split diamond interchange.

The existing underlying embankment at ramp B consists of chalk and clay materials. The material is continuously saturated and therefore unable to support new embankment. The Department Geotechnical Engineers recommend the use of Gravel Fill to stabilize the embankment. To prevent additional delays to the project the Engineer approved the utilization of Gravel Fill in the unsuitable areas.

Granted Time: 0 days

Increase: \$123,201.43

Response: Avoidable / no cost recovery action is recommended.

Description Code: 101 - Necessary pay item(s) not included in contract.

Reason: Improvements under this contract included milling, resurfacing, drainage improvements, and turn lane construction.

The original contract failed to include adequate quantities of striping items to properly maintain M.O.T. during the life of the project. Temporary striping for the lane shifts at the box culvert extensions had quantities for shifting traffic twice but did not include quantities for restoring back to the original location. Striping for turn lanes, overbuild, and widening locations were omitted. These quantities were required due to the multiple lifts of asphalt required to build the superelevation and the widening of the turn lanes. The quantities for temporary striping needed after the milling operations and prior to the final striping were omitted.

Granted Time: 0 days

Increase: \$59,890.25

Response: Avoidable / no cost recovery action is recommended.

Description Code: 007 - Work added to or deleted from 3rd party agreements.

Reason: The improvements under this contract consist of milling, resurfacing, turn lane construction, drainage improvements, signing, pavement markings and signalization.

The utility work schedule in this contract reflects that utility relocation work is to be performed on consecutive calendar days after all right-of-way and all proposed inlets, structures and pipeline layout had been completed. However the utility owner was not able to perform their work in a timely manner. Negotiations were entered into with the Contractor to perform the work. This supplemental agreement was to pay the contractor for work performed to relocate these utilities that were to be relocated by the utility company.

Granted Time: 0 days

Increase: \$39,649.57

Response: Unavoidable (no remedial action required) / no cost recovery action is recommended.

If you want to feel rich, just count the things that money cannot buy.

