



AMERICAN COUNCIL OF ENGINEERING COMPANIES OF GEORGIA

GPTQ CRC SUBCOMMITTEE
MEETING AGENDA
ROADWAY DESIGN POLICY

March 6, 2019 @ 10:30 am
One Georgia Center – GDOT – Room 405

Mission: To promote communication, innovation, and cooperation between GDOT and consultant firms on issues affecting design decisions, criteria, processes, and implementation as well as plan and document presentation.

Attendees:

Frank Flanders, Co-chair – GDOT Design Policy	Arwin Lopez – Pond
Brad Robinson, Co-chair - Wolverton	Matt Thompson - VHB
Kevin Ergle – Kimley Horn	Shawn Reese – Gresham Smith
Brad Cox – Clark Patterson Lee	Eric Rickert - AECOM
Jonathan Langley - Arcadis	

1) Design policy updates

- a. Daniel Pass has a PDF from the ASHE February lunch meeting. Contact Frank or Daniel if anyone would like a copy.
- b. Expecting the release of the new DPM in mid-March
- c. New R/W cover and sheet will be available in the latest V8i CADD-All and V7 CADD-All Addendum 2. These updates will also include new R/W & L/A linestyles
 - i. New GDOT RW Border with updated legend, scale bar will need to be placed in plan sheet, no space for scale in border cell anymore
 - ii. New R/W Conventional Signs on RW Cover
- d. GDOT logo memo will go out
- e. GDOT is discussing updating the M3 median crossover detail but still working out the details between design policy and upper management
 - i. Discussed showing the R-Cut on the detail

2) Task Forces

- a. 3D modeling
 - i. Task Force may consist of 4 consultants, 4 contractors, and GDOT (Openroads experience may be preferable).
 - ii. Should determine what is acceptable in deliverable and how it will be reviewed. This will help with scoping as well.
 - iii. Will SUE be included in OpenRoads for 3d modeling?
 - iv. May report to the design policy subcommittee
 - v. Jonathan Langley is interested in participating. It was recommended that David Jackson of Calyx and Sam Woods of GDOT may also be a good fit.
- b. Design Build
 - i. Task Force may consist of 6 consultants, 6 contractors and GDOT
 - ii. Shawn Reese has interest in serving on the task force

3) Temporary Drainage Memo

- a. Frank said the memo came about by trying to control costs and clarifying what the contractor is bidding on instead of lumping in grading complete.

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- b. The contractor stages the construction different than the plans so there is concern among the consultant community regarding liability when these changes are made which could affect drainage patterns or inlet locations.
- c. SP150 has language regarding the contractor's responsibility for temporary drainage during stage construction.
 - i. Arwin Lopez will send out details for the members to review.
- d. Can there be a clarifying statement on how changes to temp drainage during construction will be handled?
- e. There will be a temporary drainage note added to the CADALL for the quantity sheets

4) Drainage Manual

- a. Subcommittee will assist in the review of the Drainage Manual (DM) and determining what will criteria should require Design Variances.
- b. Drew Martin (Hydraulics Group Leader) has a list of items in drainage manual that is creating confusion regarding variances. Drew will join the April meeting to discuss thoughts on reviewing the DM.
- c. GDOT is having issues with people using spreadsheets for stormwater calculations versus a program like StormCAD. DM should clarify what is to be required.

5) Other

- a. GDOT Updates
 - i. The group discussed the need for regularly scheduled updates from GDOT
 - ii. It is difficult to know when you are working in the latest version.
 - iii. GDOT could potentially add version numbers to each template (Concept Report, etc)
 - iv. Frank will determine if this can be cleaned up or clarified.
- b. Roundabout Design
 - i. There is a need for additional roundabout guidance.
 - ii. Frank said this might be taken out of DPM and made into a separate manual
 - 1. Daniel Trevorrow is working on this.
 - 2. Frank to see if subcommittee could assist.
- c. Sight Distance Presentation
 - i. There are questions regarding how to present this information in submittals now that it is a requirement.
 - ii. Sam Woods is working internally on how GDOT will be showing this on their projects
 - 1. Hopefully our group can review what they come up with
 - iii. Frank said there is a "sight visibility" tool in InRoads that does a 360 degree view at a point. This can help determine sight distance along the triangle
 - 1. Under evaluation menu, as an add-in
 - 2. The InRoads Workflows show how to use the "sight visibility" tool
- d. OpenRoads Designer CE (ORDCE)
 - i. Probably the most difficult transition when converting a project from In-Roads to ORDCE are templates and dtm
 - 1. A csv file is needed from the surveyor to convert survey to ORDCE
 - 2. Need a "fieldbook" in ORDCE which can be created from the CSV
 - 3. InRoads ALG's can be readily imported to ORDCE
 - 4. Templates can be brought forward from V8i SS2 to OpenRoads Designer CE; however, the rework required to assign feature definitions to all the components has led GDOT to recommend starting over with ORDCE templates if a project is brought forward from InRoads. (In the weeds: Bentley changed from feature styles to feature definitions with SS4. This fundamental change causes the disconnect with the template components and the recommendation to start fresh with OpenRoads templates.)