



AMERICAN COUNCIL OF ENGINEERING COMPANIES OF GEORGIA

GPTQ CRC SUBCOMMITTEE

MEETING MINUTES

ROADWAY DESIGN POLICY

November 6, 2019 @ 10:30 am

One Georgia Center – GDOT – 26th Floor

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
Brad Robinson, Co-chair - Wolverton
Kevin Ergle – Kimley Horn
Brad Cox – Clark Patterson Lee
Jonathan Langley – Arcadis
Arwin Lopez – Pond

Matt Thompson - VHB
Shawn Reese – Gresham Smith
Eric Rickert - AECOM
Drew Martin - GDOT
Gary Pierce - GDOT

1) Drainage Manual

- a) Phase 1 Discussion – What should be removed as procedural?
 - i) Subcommittee discussed comments from redlines received to date.
 - ii) Drew provided GDOT's redlines for Chapters 2, 12, 13 & Appendix
 - iii) Brad is to combine all chapters and resend to the committee
 - iv) Drew said GDOT would make the shading consistent during their final review.
- b) Phase 2 Discussion – What's missing?
 - i) Drew said GDOT is reviewing specifications to make pipes water tight and not just soil tight, which may allow for pressure flow design
 - ii) Direction on temporary drainage – what should be shown, what should be quantified, is there design flexibility for types of structures, materials and storm frequency?
 - iii) Design of outlet aprons – should refer to Georgia erosion control manual
 - iv) Design of sediment storage – GDOT prefers to keep this simple and realistic
 - v) Guidelines for jack and bore – when and what should plans specify if jack and bore is required?
 - vi) Downstream analysis – should be included in chapter 10. Even if not in MS4, should confirm downstream capacity
 - vii) How to handle meandering streams that are not FEMA regulated – environmental permitting issue
 - viii) Aquatic organism passage and compliance with regional permit – GDOT prefers multi-barrel culverts with weir walls instead of overflow pipes in stream banks.
 - ix) GDOT is updating guidance on H&H studies and Chapter 12. Zone A streams will require HECRAS as a minimum. Other zones may use HY8 with approval.
 - x) Direction around constructability issues – pumping, jack and bore, easement requirements
 - xi) Group will send to their respective design teams for other ideas of what's missing before next meeting.
Drew asked that bridge hydraulics policy be considered.
- c) Phase 3 – determining hierarchy of policy – what requires a variance vs. deviation
 - i) Drew will determine best way for group to tackle this phase.

- d) Phase 4 - GDOT will use technical writer for Drainage Manual update.

2) Design Policy Updates

- a) Frank provided updates from Design Policy
 - i) December is sunset date for final implementation of MASH.
 - ii) At the Transportation Summit, Frank will be leading a discussion on policy updates including OpenRoads, Intersection Sight Distance and other topics.
 - iii) OpenRoads - implemented for survey by summer of 2020.
 - (1) GDOT will not provide tutorials similar to the InRoads rollout.
 - (2) Work flows may be prepared as needed, but consultants will be referred to Bentley's manuals.
 - (3) GDOT will be updating the EDG
 - (4) Jonathan mentioned that different versions of Roadway Designer are required by different states. Also requires upgrading ProjectWise Connect edition. He also recommended GDOT consider opting in projects for testing.
 - iv) Frank said he had no updates for the Roundabout Guide. It is still under review by Traffic Ops.