

GPTQ CRC Materials Subcommittee Meeting
Meeting Notes
August 19, 2013

Meeting was held at 10:30 am in the OMT conference room.

Those attending were: Chuck Hasty (GDOT State Materials Engineer), Glen Foster (OMT Geotechnical), Reginald Murph (OMT Geotechnical), Randy Bagwell (Nova), Rich Mockridge (S&ME), Tim Brown (Terracon), Tom Scruggs (Willmer), Don Hill (United Consulting) and Mike Thomas (AMEC E&I)

Chuck opened the meeting with updating everyone on GDOT's Asset Management efforts as pertain to OMT. He noted discussions about adjusting pavement "under design" guidelines due to GDOT's lack of resources necessary to enable the resurfacing of 10% of Georgia's roadways each year. He also advised that GDOT would be concentrating on research and innovation to extend asset life cycles. GDOT will also concentrate on "Green Roads" by using various innovative methods (Use of asphalt shingles, tire rubber etc. in asphalt mixes; use of recycled concrete as aggregate; warm asphalt, etc.).

Glenn Foster and Reginald Murph handed out for discussion: BFI Reconnaissance Form, Responsibility Chart, QA QC Manual Revision list and proposed QAQC Manual Table of Contents

The majority of the remainder of the meeting was used to check on status of comments from the May 20 meeting (updated August 18 comments in **bold**):

Section I

- (May 20) Don Hill: Preliminary BFI have not been performed for some time now, yet Preliminary BFI's are still shown in manual (Suggested the any reference to Preliminary BFI be deleted)
 - Manual now specifies 35 counties in which full soil surveys are required prior to PFPR, reference to Preliminary Soil Surveys should also be deleted
 - **August 19: It was suggested that a link be provided to reflect the affected counties, rather than a hard copy showing the 35 counties mentioned**
- (May 20) Chuck Hasty: Existing Pavement evaluation is not presently shown in PDP
 - (referenced page 4) Full Depth Pavement section should be assumed at Concept phase (Proposed pavement section can potentially be reduced based on existing pavement condition/section)
 - **(August 19) Chuck noted that if $\geq 30\%$ of existing pavement is not retained, full depth pavement section should be used (without overlay)**
 - **(August 19) Don Hill inquired about "rule of thumb" concerning if ≥ 1000 Ft of existing pavement could not be retained, remove entire section**

Section II

- (May 20) Don Hill: (referenced page 2.1) *Liability Limitations for GDOT Consultants*
 - Suggested adding a statement addressing changes from ASD Bridge Design to LRFD (increases fieldwork) – Don to draft appropriate text for subcommittee review
 - **(August 19) ACTION ITEM- Rich Mockridge to send Glen Foster proposed language consultants are using**
- (May 20) Mike Thomas presented comments he received from Amec's Pieter DePree pertaining to Section II (actual comments will be sent to committee members for further consideration)
 - 2.3.1 Right of Entry Letter- Comments pertain to revising letter to clarify consultant's responsibility as far as direct discussion with Property Owner prior to entry and feasibility of "least amount of impact"
 - 2.4 Erosion Control and Site Restoration- Comments pertain to allowing soil survey drilling operations being addressed under the ½ acre rule and subsequent GDOT Environmental documents for the proposed project.
 - 2.6 Unsuitable Materials Investigations- Comments pertain to statement about limiting the start of geotechnical exploration and adding quantities to address unforeseen materials
 - Tom Scruggs pointed out that reference to preliminary BFI's and soil surveys needs to be deleted.
 - **(August 19) ACTION ITEM- Mike Thomas to send original language from Pieter DePree's suggestions to Glen Foster and Naomi Sims (Completed via email August 19)**

Section III

- 3.1.1 BFI Recon form
 - (May 20) Don Hill: GDOT now has their own spreadsheet to estimate costs that shifts other direct costs to 2nd sheet.
 - **(August 19) ACTION ITEM- Randall Bagwell will send recently used spreadsheet for review**
- **(August 19) Tom Scruggs discussed Bridge Design's preference that if 36ksi steel is used on any bent of structure, 36ksi is to be specified exclusively**
 - It was felt that the industry is going to use 50ksi steel regardless and we should consider this extra capacity when calculating allowable loads
 - **ACTION ITEM- Tom Scruggs will craft a question to be posed to GDOT Bridge Design regarding this**

Section IV

- Section 4.4.1 *Soil Survey Summary Template*
 - **(August 19) Also affects Item Eleven (II) of Template (Waste)**
 - *(May 20) Glen Foster recommendation: when large areas of material not meeting subgrade requirements are discovered, consider setting up “test section” of additional 4” GAB and/or subgrade stabilization. This will allow observation of subgrade behavior under field conditions and possibly reduce costs by eliminating large amounts of undercut and replacement, or re-working of area. Tom to work with Glenn on revised language.*
 - *(May 20) Section #15 Geotechnical and Drilling/sampling requirements needs to be revised*
 - *(May 20) Section 24: Remove reference to 20% shrinkage factor (leave blank)*
 - *(May 20) Section 29: Remove reference to 8”minimum GAB (leave blank)*
 - **(AUGUST 19) Add test section reference for pavement design**

Section V *Walls*

- *(May 20) Add LRFD comment in opening paragraph?*
 - *Glenn Foster advised that this is a work in progress and will be revised in the future, but no date has been set.*

Section VI *Other Structures*

NO COMMENTS

Section VII *Pavements*

- *(May 20)Rich Mockridge noted that CBR values in QA/QC Manual (4.5.13) differ from those in the Pavement Design manual*
 - *It was suggested that the Pavement Design Manual be referenced in the QA/QC manual, rather than quoted/included. (this will prevent possibility of one document being revised, rather than both)*

Section VIII *Special Provisions*

- *(May 20) Glen Foster suggested that a section be added addressing environmental (UST's, Hazardous Material Sites, etc.)*
 - **(August 19) Randy had a document that addresses this. Reginald pointed out that their office compiled that document**
 - **GDOT R/W section needs to be involved**