

AGENDA

GPTQ Bridge Sub-committee Meeting Minutes

October 4, 2017 ♦ 10:00 am– 12:00 pm ♦ GDOT Bridge Office

Committee Members

- | | |
|---|---|
| <input checked="" type="checkbox"/> Bill DuVall - GDOT (GDOT Co-Chairman) | <input checked="" type="checkbox"/> Mashood Shabazzaz- Heath & Lineback |
| <input checked="" type="checkbox"/> Greg Grant – RS&H (Co-Chairman) | <input checked="" type="checkbox"/> Jim Aiken-Clough Harbour & Associates |
| <input checked="" type="checkbox"/> Steve Gaston-GDOT | <input checked="" type="checkbox"/> Barry Brown-Moreland Altobelli |
| <input checked="" type="checkbox"/> Tom Tran-Gresham Smith Partners | <input type="checkbox"/> George Manning-Michael Baker |

Opening

At our 10/4 meeting, we discussed

Task Force Updates

CONSPAN Task Force– Jin Liu, RS&H (Lead)

Met in August

Work Continues on manual

RCPIER Task Force – George Manning, Michael Baker (Lead)

Draft of manual prepared, under review

Looking at seismic and lateral forces

Florida I beams:

Review of notes for max spacing from surrounding states.

Review of spacing limits.

From Bill D: Elastic gains do not come into play until you get to long (200+ feet) spans.

Talked about criteria for design build, setting policy

Need guidance for beam types and may depend on overhang bracket capacity

- Greg will get input from contractors? 3'-7" max? (Massood)
 - CWM/ Archer/ TIC- Greg
 - Snell- Barry
 - Southern- Tom
- Scream weight, deflection may be a factor

Discussed

- Do we need a Max (not to exceed) span limit specified?
- Design Build vs Design Bid Build differences in approach to design (level of conservatism)
- Rewards in Technical score rewards for more conservatism

Decisions:

1. OK with 10'-6 in the manual.
2. DB will have some flexibility through ATCs or negotiations.

Other Items discussed:

Work Bridge foundations

- Changes to wording for spread footings.
- GDOT Bridge office will handle edits to environmental permitting guidance document
- Discussion about location of the work bridge (upstream vs. downstream)

MSE Wall Panel Thickness

- Will be making the change when they make the LRFD update
- Discussion about Draft from Geotech for Contractor to handle global stability design

Anticipated Temporary Access Construction Method Access

- Hydraulic study of temporary impacts due to Jetties, Bulkheads, work bridges, cofferdams, etc.
- Review of Spreadsheet- Steve G will send PDF
- Not sure what triggers the use of this form.
- What is the impact of this analysis.
- Coming into play at the permitting phase. Environmental is asking for form.

UAVs

- GDOT has and is using.

Steel Diaphragms

- Contractors Meeting
- Standard sheets being developed by GDOT
- Notes for the interim while details being developed.

Research Project- Seismic Bridges

- Results in a few months.
- Will be able to Make some changes to required details with guidance and backup.

UHPC – October 19 / Lafarge

- 10 to noon
- Bridge office

Bridge Manual update submitted to Design Policy Support

- Section 1 gross haul weight revision
- Guidance for MVC over mixed use trails
- Sq ft cost corrections
- Notes on plans- 502/ 503 lap length at barrier. Needs to be 2'-2" lap min
- Beam Span limits- Stability check note
- Eliminated use of unreinforced pads for typ 1 mods.
- Min bearing pads = 9"
- 8 ft min wing wall length
- Prohibits use of single leg stirrups
- Chapter 5 wall plans guidance.

Next Meeting is December 12, 2017 at 10 AM -12 PM