Meeting Minutes
GPTQ Bridge Sub-committee Meeting
May 06, 2020 • 10:00 am– 12:00 pm • Microsoft Teams

Committee Members
- Bill DuVall - GDOT (GDOT Co-Chairman)
- George Manning - Michael Baker (Co-Chairman)
- Steve Gaston - GDOT
- Tom Tran - Gresham Smith Partners (GSP)
- Masood Shabazaz - Heath & Lineback (HL)
- Greg Grant – RS&H
- David Stricklin – Kimley-Horn (KH)

Opening

Task Force Updates:

**CONSPAN Task Force** – Jin Liu, GSP (Lead), Kevin Schwartz, GDOT
- Steve Gaston will submit to GDOT editors for uploading to the GDOT website.
- Anticipated posting of early June.

**RCPIER Task Force** – George Manning, Michael Baker (Co-Chairman), Jennifer Tait, GDOT
- Steve Gaston will submit to GDOT editors for uploading to the GDOT website.
- Anticipated posting of early June.

**ABC Task Force** – Tim Dow, GSP (Lead), Dexter Whaley, GDOT
- Decision Making Matrix complete.
- Dexter Whaley will attend next meeting to discuss matrix and progress.

Previous Meeting:
- ABC Task Force Members:
- GDOT Prequalification requirements.
- General Discussion on QAQC process.
- Anticipated temporary access construction method analysis hydraulics.
  - Typically for rock jetties.
  - Hydraulic analysis required for Army Corps projects using 2 year storm.
  - Scour analysis is performed and a statement of effect is issued.
  - Bill is reaching out to Susan Beck to provide guidance on scour calculations due to rock jetties.

New Business:
- GPTQ Consultant Committee Member resignation (Joshua Orton)
  - Brasfield Gorrie has joined ACEC and Josh will be added to next meeting.
- Section 20 guidance (i.e. crane size and locations)
  - Permitting document will be updated as needed.
- GDOT Bridge Manual Updates.
  - Updates have been submitted to GDOT editors and should be published in mid-June.
Steve will send some items to the committee for comments.

- Bridge Manual Revisions include:
  - Update to LRFD 8th edition.
  - Address Strut and Tie analysis.
  - Address typical reinforcement lap splice lengths.
  - GDOT Slab MathCAD design tool will be required for slab designs.
    - Maximum bar spacing reduced to 7” spacing.
  - Include required shoulder widths for DDI projects.
  - Address MASH barrier applications.
  - Increase minimum sidewalk width from 5.50 feet to 6.50 feet.
  - Increased maximum beam spacing from 9.0’ to 10.5’ for LRFD designed Bridges.
    - Increase applies to AASHTO Type II beams and larger.
    - Type IMOD beams remain at 9.0’ max spacing.
  - Address longitudinal reinforcement in PSC beams.
  - Address how to show Plan Driving Objective on plans.
  - Provide additional cofferdam coordination requirements.
  - Address how to present quantities for projects involving alternate foundations.
  - Chapter 5: Address impact loads on retaining walls.
  - Chapter 7: Address MASH requirements on noise barrier walls.

- Seismic research paper is complete and in the quality review process at GDOT.

- Bridge Spread Calculations:
  - Crest Curves:
    - Does GDOT have recommendations on how to handle deck drainage near the top of crest curves?
    - GDOT hydraulic group typically handles deck drainage calculations for GDOT in-house projects.
    - Steve will reach out to Susan Beck to see if there is any guidance.

- Stage Construction:
  - How do engineers handle deck drainage calculations for staged construction?
  - GDOT Bridge office will need to coordinate with GDOT office of Design Policy.
  - Possibly change design storm for staged construction?
  - Bill is reaching out to Design Policy and Support to address deck drainage during construction.

- Preliminary Cost Estimates:
  - MSE walls in cut situations:
    - What would be an appropriate method to obtain accurate cost estimate?
      - MSE walls are typically used in fill situations and the unit cost does not typically account for excavation.
      - Suggested that unit price is estimated somewhere between MSE walls ($65/SF) and tie-back walls ($120/SF)
      - Suggest that tie-back walls are assumed in preliminary and then revised as engineering is performed.

- Hydraulic examples are posted on the GDOT website.
Action Items:
- Invite Dexter Whaley to next Committee Meeting (George)
- Request guidance from Susan Beck on gutter spread on crest curves (Steve).

Next meeting is July 8th, 2020