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To: All Consultants

TAC – 378

Date: September 17, 2021

Subject: RIDOT Road-Stream Crossing Design Manual

Consultants are hereby notified that the Rhode Island Department of Transportation (RIDOT) Natural Resources Unit (NRU) has developed guidance for road-stream crossing design to be used in conjunction with the RIDOT Road-Stream Crossing Assessment Handbook (2019). The Manual provides designers and engineers with design criteria and associated standards focused on the design of safer, cost-effective stream crossings to meet transportation needs, improve hydraulic function, reduce maintenance costs, and enhance natural stream functions and wildlife migration. It is anticipated that permitting requests to Army Corps under the RI Programmatic General Permit (RIPGP) will require the use of this Manual after the renewal of the PGP around March of 2022 as part of upgrading their climate change and resiliency standards.

The document can be found on the RIDOT website under Doing Business/Contractors and Consultants in the Natural Resources section here:
<http://www.dot.ri.gov/business/contractorsandconsultants.php>.

Consultants anticipating submission of permits to RIDEM and Army Corps after March 2022, are directed to utilize the Road-Stream Crossing Design Manual in anticipation of the new requirements. This applies to replacement (or significant work) of any stream/river crossing.

After reviewing the Design Standards presented in the Manual, the following items must be included as part of the 30% Design Submission to be reviewed and approved by the RIDOT Environmental Division:

- Road-Stream Crossing Standards Review Checklist (provided in Appendix A)
- For replacements or retrofits, complete A.1 and A.2. For new crossings, complete only A.2.
- Hydraulic Performance Data Table (provided in Appendix A)
- The applicable Conceptual Design Figure (provided in Appendix B)
- Road-Stream Crossing Report (template provided in Appendix C)

Please contact the Natural Resources Unit for information on additional documentation and requirements regarding the design manual. Training for the Manual will be announced and is anticipated to occur in the late fall/early winter of 2021. Clarifications or questions regarding this TAC may be directed to Alisa.Richardson@dot.ri.gov.

Sincerely,

Robert Rocchio

Robert Rocchio, P.E.
Chief Engineer
