



February 19, 2024

Mary Vittoria-Bertrand, P.E.
Managing Engineer, Bridge Engineering
Rhode Island Department of Transportation
Two Capitol Hill, Room 346
Providence, Rhode Island, 02903

RE: MPA No. 359, AWARD No. 3674829
Assignment 40a - Bridge Rating
Bridge 020001, Washington Bridge East-Bound
Load Rating Supplemental Evaluation

Dear Mary:

At the Department's request, we have assessed the subject bridge rating over this past weekend, and this letter will serve to provide you with our findings. This evaluation was for the impact of adding a sixth travel lane onto the previously rated five-lane configuration and the addition of a median barrier. We assessed these conditions for the three distinct continuous-span systems of the fourteen-span bridge and for the exterior and interior girder cases.

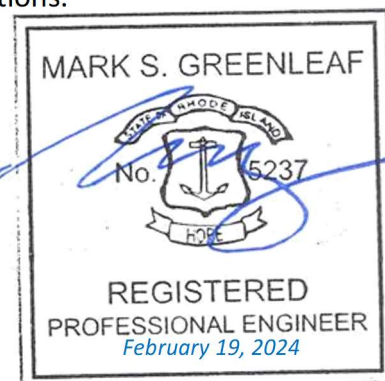
We conclude that the controlling case is acceptable, and therefore, we find that the extra lane and barrier is a structurally acceptable configuration for all legal loads. As with the prior rating, the HL-93 design rating factor is less than 1.0, and as a result of this added configuration, the RI-5B and RI-6 Permit trucks drop slightly below 1.0.

We will continue to compile and document the rating results per the normal protocol in the coming days. The purpose of this interim letter is to inform you of our conclusion that the proposed lane configuration may proceed from a superstructure rating standpoint.

Please do not hesitate to contact us if you have any questions.

Sincerely yours,
COMMONWEALTH ENGINEERS & CONSULTANTS, INC.

Mark S. Greenleaf, P.E.
MSG/mg



xc: Messrs. Gaulin, Preiss, Hart, Gallant, Richard, Reilly, Soares, Myers, Carvalho,
DOT.BridgeRatings@dot.ri.gov, file

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