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STRUCTURES DIVISION
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TO: Structures Division Engineers & Managers

FROM: Ted A. Kniazewycz, P.E., F.ASCE
Civil Engineering Director – Structures Division *TAK*

DATE: January 24, 2019

RE: Structural Design Memorandum SDM 19-01
Pedestrian Considerations on Bridge Design Projects

The Department has a robust Multi-Modal Policy (Policy 530-01) that is considered during the development of all projects. This policy may present matters for consideration during the development of the bridge design plans. It is understood that barriers heights should be designed for multi modal facilities, when present. Additional consideration should be given to the use of fencing for protection of users under the bridge. It is understood that fencing may be a deterrent for some unlawful activities, but it does not offer full protection. AASHTO research conducted with other peer states share the same concerns. Consideration must also be given to required inspection and maintenance activities and how the addition of fencing will impact these activities along with traffic impacts caused by limited access during these activities.

As part of the development of the preliminary plans, you are to work with the roadway engineer to identify what multi-modal facilities will be included within the bridge limits. You will also identify pedestrian origin / destination locations within close proximity to the project. This information will be presented to your design manager for evaluation and recommendation of additional protective measures. This information will be presented to the Director for review and final approval.

This directive is effective as of the date of this Structural Design Memorandum.

TAK:jb