

June 29, 2000

MEMORANDUM

TO: District Structures Design Engineers
(Gerard Moliere, Rod Nelson, Don Harrell, John Danielsen,
Annette Brennan, Kim Saing, Jose Rodriguez)
Area Structures Engineers
(Robert Robertson, Don Keenan, Tom Andres)

FROM: William N. Nickas, State Structures Design Engineer

COPIES: William D. Domico, R.E. Nichols, Jack Evans
Charles Boyd, Jeff Pouliotte, Andre Pavlov

SUBJECT: Temporary Design Bulletin C00-2
Effective June 29, 2000

Add the following to Paragraph 6.5 of the LRFD Structures Design Guidelines and to Paragraph 10.20 of the LFD Structures Design Guidelines:

Sound barrier walls shall not be attached to the top of traffic railing barriers unless the system has been crash tested and meets the TL-4 acceptability requirements of NCHRP 350. Sound barrier walls may be attached to structures if located behind an approved traffic railing barrier and mounted at least five feet from the face of the barrier at deck level.

Commentary: Analysis of NCHRP 350 crash test data shows that cars and trucks ride on top of railing barriers for some distance, during impact and would dislodge anything mounted on the barrier. The resulting debris would then become a hazard to traffic adjacent to the impact area and to traffic passing under a bridge where the impact occurred.

WNN:s