

George Washington Memorial Parkway

Bridge Rail

Design and Construction Notes for Aesthetic Barriers

George Washington Memorial Parkway Bridge Rail (March 11, 2003)

1. The George Washington Memorial Parkway Bridge Rail was crash tested to NCHRP 230 requirements and has been considered acceptable for use on Federal-aid projects by the Federal Highway Administration in the letter from the Chief, Federal Aid and Design Division in a letter dated May 30, 1997. The acceptance concluded that the George Washington Memorial Parkway Bridge Rail is approved for NCHRP 350, Test Level 2 (design speeds of 70 km/h and less). The test level approval was based on NCHRP 230 crash tests. Subsequent to this finding an NCHRP 350 Test Level 3 test was run with a 2000P vehicle at 100 km/h and 25 degree angle. This test was a passing test. With this additional test the FHWA has approved this bridge rail for use on the National Highway System (NHS) for NCHRP 350 Test Level 3.
2. This bridge rail is typically used with concrete or concrete core and stone façade parapet walls. Care should be exercised not to create snagging points where the bridge rail connects to the parapet walls including trailing end connections.