

# Washington Metropolitan Area Transit Authority Bridge Bearings Inspected



Arlington, VA - Inspection doors are installed for the Washington Metropolitan Area Transit Authority to visually examine bridge bearings.

When misalignment of structures was observed, it was discovered by WMATA inspectors that the roller bearing assemblies used to support the bridge structure were not accessible. The original construction encapsulated the assemblies within the members. Now, there was no way of determining the condition of the bearings



The reinforced concrete side walls of the beams were thirty inches thick. This posed a formidable task to install access doors at each of the bearing locations along the route into Washington Reagan National Airport.



A series of six 6" cores were extracted from each location and the solid 2'x2' block was removed. The edges were saw-cut and pneumatically chipped smooth. Heavy pre-fabricated steel doors were installed and secured with 1" drop anchors which were epoxied into drilled holes.

A total of 366 doors were installed and all of the bearings were inspected. Eight bearings were found to be suspect and four were later replaced. To discuss your particular problem, call Jeremy at 703 742-9186.



## **TECVAC, Inc.**

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