



## Miller Highway Tunnel at 59<sup>th</sup> Street

New York, USA



Architect  
**RBA GROUP**

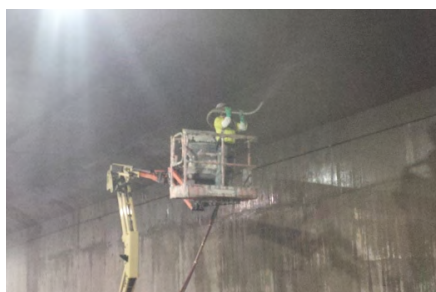
Engineer  
**PARSONS BRINKERHOFF**

Contractor  
**EXTELL DEVELOPMENT COMPANY**

Owner  
**HUDSON WATERFRONT ASSOCIATES C/O EXTELL DEVELOPMENT COMPANY**

Products  
**CONCENTRATE, MEGAMIX II, PATCH'N PLUG, FCM 80**

Project Type  
**TUNNELS**



The Miller Highway Tunnel was built in 2008 and was designed to one day replace a section of the West Side Highway (officially Joe DiMaggio Highway). This highway runs from West 72nd street along the Hudson River to the Southern tip of Manhattan in New York City.

Xypex [Concentrate](#), [Megamix II](#), [Patch'n Plug](#) and [FCM 80](#) were used throughout the project to repair the current damage and to protect against future leaks. Xypex FCM 80 was specifically used in areas where there was expansion and contraction of cracks due to fluctuating weather conditions.



From the beginning of the tunnel's construction, it suffered from major water leaks which put a hold on the project's completion. Chemical injections and spot repairs were used in hopes of solving these issues but repeatedly failed to do so. In order to deliver a completely dry tunnel the contractor looked into other options to improve the conditions of the tunnel. Following approval by the New York Department of Transportation, Xypex was chosen due to its ability to resist hydrostatic pressure and proven track record in below grade situations. Significant cost savings were also expected.

To this day, and after heavy rain falls, the Xypex treated portion of the tunnel remains dry. Compared to alternative systems approximate cost savings so far have been \$1.5 million.