



<b>Hudson Transmission Project</b>	
<b>Location</b>	Manhattan, NY
<b>Date Completed</b>	November 2011
<b>Project Type</b>	Electrical Transmission
<b>Equipment</b>	Mears' 160,000 lb. rig
<b>Owner/Client</b>	Hudson Transmission/Prysmian Power Cables
<b>Engineer</b>	
<b>Length, Pipe Diameter, Pipe Material</b>	14-inch HDPE and 4-inch HDPE, Three Crossings: 1,990-ft., 2,061-ft. and 2,071-ft.
<b>Type of Crossing</b>	Shore Approaches
<b>Project Summary</b>	<p>The circuit consists of a land section in New Jersey, a submarine section embedded in the bottom of the Hudson River and a land section in New York. The submarine section of The Hudson Project involves the installation of three power cables plus two FO cables in bundle configuration in the Hudson River area.</p> <p>Three (3) conduit systems that carry 230 kV and 345kV transmission cables. The installation of the conduits required the construction of three shore approaches onto Manhattan, NY, at the East shore of the Hudson River at the intersection of West 52nd Street and 12th Avenue. Drilled via HDD, the shore approaches were 2071-ft, 1990-ft and 2061-ft. The entry points for each drill were located on the south side of the DeWitt Clinton Park and the exits were in the Hudson River approximately in 47-ft water depth. Two of the crossings were 14-HDPE conduit and the final crossing consisted of a bundle of 14-inch, plus two 4-inch HDPE conduits.</p>

