

NEWS THIS MONTH

YOUR SOURCE FOR ALL THINGS ROCK-BREAKING



GO WHERE HIGH EXPLOSIVES CAN'T



The Heart Of Manhattan



60' Above The Tunnel

Earlier this year we had the pleasure of working with Skanska US Civil and the LiUNA local 147 better known as the NYC Sandhogs on a tunnel project right in the heart of Manhattan. The circulation improvements between the 42nd Street Terminal and Grand Central Station for the MTA required tunnelling through some of the hardest rock in the world in close proximity to iconic New York City buildings like the Chrysler Building. As the project had specified no blasting, work commenced by mechanical means and was slow tough work. Motivated by the cost and production improvements offered by Nxburst™, we entered into discussions with Skanska, The MTA and the NYFD as to how we could apply the Nxburst™ product and methodology in such a highly sensitive area. With vibration limits of 0.5 inches per second ppv, monitored at seven locations, the actual blast design and timing would be crucial. Several test shots and adjustments were done with the Sandhogs resulting in a successful blast design that enabled the opening burn cut, production and perimeter holes in one single

event. This five foot advance achieved with non-electric Nxburst™ cartridges and standard surface delay timing gave the blaster the ability to tie in each stage of the round. One of the key features of the Nxburst™ cartridge that made it a viable option for this project is the availability of non-electric initiation. Without the need for expensive electronic systems and extensive training, the sandhogs were able to use products that they are well versed in. Based on the preliminary vibration received so far, the majority of ppv readings are within the 0.5 inches per second requirement and frequencies over 100 hertz. As we compile all the data, photos and video, we will be sharing more on our website, here on the newsletter and on our YouTube channel. If you have a highly sensitive project, give us a call, we are happy to help.



Surface Delay Firing



Tunnel After Blasting and Scaling

Special thanks to:
Skanska Civil USA
LiUNA Local 147 Sandhogs
Maurer & Scott Sales Inc.

Happy Canada Day and US Independence from Coogar Sales & Services

