

COLLABORATIVE RESEARCH CENTER 837

INTERACTION MODELING IN MECHANIZED TUNNELING

RUB

ANALYSIS OF SLURRY (MIX SHIELD) TBM GROUND DEFORMATION CONTROL DURING THE QUEENS BORED TUNNELS PROJECT IN NEW YORK CITY

Prof. Mike Mooney

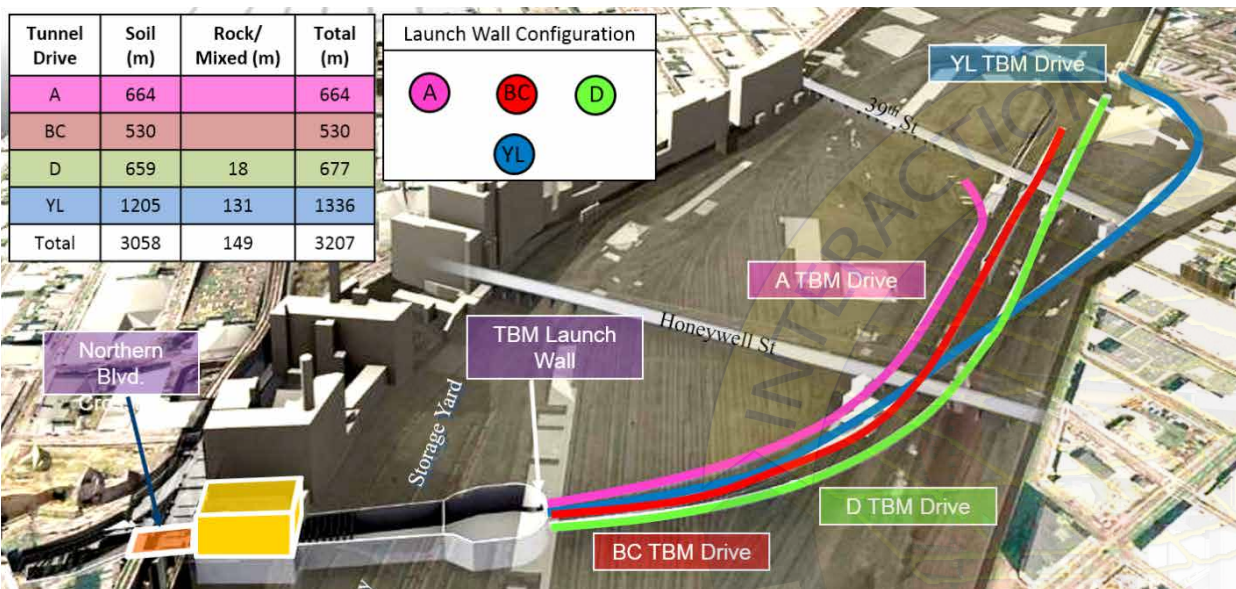
Colorado School of Mines, USA

16.09.2015 – 16:00 - 18:00 – IC 03/604

The first part of the presentation will give an overview of the Colorado School of Mines. A summary of the research projects currently being conducted is also included.

The second part of the presentation will focus on recent research into slurry TBM control of ground deformation observed on the Queens bored tunnel

project in New York City. Four closely spaced and near surface transit tunnels were excavated using two mechanically identical Herrenknecht mix shield TBMs. The talk will describe the Queens bored tunnels and observed deformation, present the observed TBM behaviors and the results of computational modeling.



Guests are welcome!