SECOND AVENUE SUBWAY PROJECT

MUCK CONVEYANCE SYSTEM
69th & 72nd Street Shafts

APRIL 4, 2011
Step 1: Diesel Crane removes rock with skip pan
Step 2: Skip pan emptied into muck bin on pavement
Step 3: Truck backed in by flagmen for loading
Step 4: loader fills truck from muck bin for transport
72\textsuperscript{nd} Street Station
Muck Conveyance System
Muck Conveyance System

Full Height Fixed Wall System
Muck Conveyance System – looking East
Muck Conveyance System – looking North
Muck Conveyance System – Widened Sidewalk
Improved Mitigation

- **Noise**
  - Eliminates diesel crane & loader
  - Electric gantry crane
  - Sound rated wall panels
  - Drive through truck pattern

- **Dust**
  - Enclosed muck storage
  - Containerized storage, handling and removal
  - Cleaner work area, reduced dust

- **Emissions**
  - Eliminates diesel emissions (crane & loader)
  - Improved smoke control from blasting
72nd Street Station
Muck Conveyance System Option
Muck Conveyance System - Option

Roll Up Door & Roof System
Muck Conveyance System – looking North
Muck Conveyance System – Widened Sidewalk
Muck Conveyance System – Staggered Muck Bins
Muck Conveyance System – Staggered Muck Bins
Muck Conveyance System – Staggered Muck Bins
Muck Conveyance System – Staggered Muck Bins
4th Floor View From Windows
3rd Floor View From Windows
2nd Floor View From Windows
Muck Conveyance System – Day and Night
Muck Conveyance System – Day and Night
Muck Conveyance System – Day and Night
Muck Conveyance System

QUESTION AND ANSWERS