CONCRETE PLACEMENT AND FINISHING

ANDREW MERRICK

AECO
Describe measures that will be used to place and finish concrete within the requirements of By-Law Number N-200 – Respecting Noise and minimize effects on neighbours

- Review schedule of concrete placements
Early Morning Start

- Attempt for an early morning start time within the by-law requirements
- Goal is to get concrete in early so that it sets up early to allow finishing to start and be completed earlier.
- If necessary, could be started later in the day to accommodate weather forecasts, inspections, etc.
Pour Sequence

- Sequence slab placements in a south to north direction to provide a buffer between work and South Street after initial placement.
Placement of Slabs

- Place slab in thirds to cut down on the volume of concrete to be placed and finished.
Erection of Wind/Sound Screens

- Plywood barrier approximately 4 feet high erected to cut down on wind and sound transmission.
Light Direction

- Lights when required to be directed away from South and LeMarchant Streets.
Money to be spent on admixture additives placed in the concrete to shorten set time
Traditional method with tower crane on site is to use concrete bucket for slab placements which is time consuming.
Concrete Placement Method

- Slabs to be placed using a concrete pump which will increase the rate that the concrete is placed.
Concrete Placement Method

- Supplement concrete pump with deck placer from level 3 to roof.
- Articulating arm eliminates need to drag hoses over slab increasing placement rate.
When concrete placements occur, Aecon site office will be open and personnel can be contacted at 407-7730.

Estimated 26 slab placements to occur

First placement scheduled is basement slab on grade in mid-May

3 placements every 2 weeks once level 3 slab is completed and typical floors start

Completion of concrete work scheduled for early November
Questions