

**Division of Capital Asset Management**



**Building for the Commonwealth**

**From: James Tanin**  
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**To: Jason Silva, Lynn Duncan**

**Re: Construction Activities**

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Much progress has happened over the past 6 months. The three houses on the corner of Federal and North Streets have been demolished and their foundations removed and the rear portion of the church has been demolished to prepare the church for moving. Reconstruction of North Street is complete. Traffic on North Street has been rerouted to the west ramp and the east ramp has been closed.

The following is a brief summary of construction activity planned over the next six months. Contractors have been selected for the following construction tasks:

- NASDI – Structures Demolition
- Expert House Movers - Moving the Church,
- Mattuchio Construction - Site-work, Utilities & Earth Retention,
- New England Foundation Co (NEFCO) - Pressure injected Footings (PIF) Type Piles,
- Marguerete Concrete Inc - Concrete foundations,
- Norgate Metal - Structural Steel Fabrication and Erection.

Mattuchio has cleared the site of trees and concrete structures and is excavating for the new church foundation. A “moat” will be dug around the church and a pathway constructed from its current location to the new foundation. Mattuchio will install an earth retention system along North Street, to keep North Street from “caving” in, when excavating for the underground storm and sanitary drains.

Expert House Movers from Maryland have been engaged to move the church. Expert has been on site installing wall bracing. The next step will be to install a platform of steel beams under the church to allow for the church to be raised and moved. This effort will take about two months and the church will be ready to move the first week in December.

Before the church can be moved, Marguerite, the concrete contractor will construct the new foundation for the church. The foundation will be built in two sections, lower and upper sections. After the lower section is complete, the Mover will place “dollies” under the church and move and set it over the lower section. Once in place, Marguerite will construct the upper section from the lower section to the bottom of the church walls. When this is complete, the Mover will come back, lower the church onto the new foundation and remove the steel platform from under the church. NASDI will then remove the wood floor inside the church and Norgate Metal and Marguerite Concrete will install a new floor in the church.

Once the church is setting on its new foundation, Mattuchio will begin excavation of the site to the foundation level for the Judicial Center, 15 feet below Federal Street. Then, NEFCO will install the Piles. There are approximately 245 Piles. NEFCO will have two installation rigs on site and it should take about 4 weeks to install the Piles.

During the time that NEFCO is installing the Piles, Marguerite will be installing the concrete pile caps and grade beams. These are the main foundation that will support the Judicial Center. From this point on, the new building will begin to rise out of the ground. Norgate will deliver structural steel and begin erection of the super structure. All this work is scheduled over the next eight months.

Construction equipment of various types will be used to perform the above described work. Some of that equipment is on site and working already. Others include:

- Excavators and Dump Trucks for removing soils,
- Hydraulic Cranes for lifting heavy loads,
- Man-lifts to raise workers to higher parts of the church building,
- Chain Saws to cut through the granite church foundation,
- Generators to power various hand tools,
- Rigs for Driving PIF type piles,
- Concrete Trucks bringing concrete to the site.

All of the above equipment will generate noise and vibration at various levels. DCAM has engaged an Acoustics Engineer to study means and methods for attenuating the noise in the Courtroom on the second floor of the P&FC building. We have directed the contractor to screen noise generating activity as much as practical at the source. DCAM along with AOTC is also looking into moving some of the P&FC operations on the west side of the P&FC building to the vacant portion in the north end of the P&FC.

A structural Engineer completed a visual inspection of the P&FC building and found it to be structural sound. I have shared this report with AOTC.

The Construction Manager has received proposals from Vibration Monitoring Firms. GeoSonics Inc will be engaged to install and monitor vibrations in the P&FC building as well as several houses along Federal Street.