



TOWN OF ATHERTON
PUBLIC WORKS DEPARTMENT
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****MEMORANDUM****

TO: George Rodericks, City Manager

DATE: March 21, 2016

RE: Marsh Road Repair Schedule

FROM: Gordon Siebert, City Engineer

TELEPHONE #

Plans and specifications include restrictions on working days and hours. Bid opening is scheduled for April 7. Assuming no problems or bid protests to determine the winning bid, we can meet with the contractor to obtain their proposed work schedule that fits within the Town's restrictions. The attached schedule was prepared by our consultants and represents their experience with similar jobs, but which may be modified by the contractor.

The assumed schedule allows for activities before construction begins. These include an estimated 5 to 10 business days after award for the contractor to procure and deliver insurance endorsements and bonds to

The first construction activity is assumed to be mobilization, which includes designation of a site for equipment and materials storage, and installation of detour signs and site traffic control. These activities can occur without closing the road. Simultaneously, the contractor will install dewatering equipment in the Channel.

The first task that will involve a detour is trimming of the overhanging tree canopy to permit pile driving equipment to deploy for installation of the metal retaining wall adjacent to Marsh Road. This initial activity is anticipated to require closure of one lane and flagging to restrict traffic, both for access of a boom truck and a truck to remove cut materials but also for safety as limbs may fall in the street.

The next task will be installation of a temporary retaining wall, which will involve mobilizing a drill rig with a high boom to drill and then drive piles alongside Marsh Road. In addition to the drill/driver rig, this will involve a crane and one or more semi-trailers carrying steel I-beams and either steel sheets or large wooden beams to be placed between the piles to retain Marsh Road, prior to removal of the retaining wall. This assemblage of equipment will require a long section of the road.

After the retaining wall is installed, we assume that the contractor will begin demolition and excavation. Once the site is cleared, delivery and placement of approximately 300,000 pounds

of rebar will occur. This will require a crane and several semitrailers. Then the floor will be poured, requiring a concrete pump rig and many transit mix trucks. Next, steel or wood forms will be assembled to form the inner walls of the Channel, followed by concrete pouring. Walls will need to cure for up to 28 days before backfilling. At this time, we anticipate removing the full road closure and allowing one lane traffic. We are not sure whether it will be one direction for a portion of the day or one lane in both directions with flaggers. We want to consult with the various public agencies before making a recommendation for this decision. Lastly, the steel pipe guard rail will be installed. When that is complete, the contractor can re-open the road, remove the temporary water dam, clean up the site and remove detour signs.

A proposed schedule is attached.

