

Hershey's Mill Transition to Verizon

This is an update on the Verizon FiOS Infrastructure Installation Process and Progress: June 7, 2017

DESIGN, MARK, DIG, PULL, INSTALL Process and Volunteer Team

Note: **In Home** Equipment and Transitions will begin March, 2018. The Infrastructure build out will take months.

The first three Villages to undergo the first phases of Verizon construction are:

Heatherton, Glenwood and Franklin.

These Villages have been notified and all other villages will be notified in advance of their Infrastructure Installation dates.

Residents will receive notification two ways:

- Verizon notifications will arrive via USPS and/or Door Hangers.
- Village Presidents will receive a detailed email specific to their village, similar to the generic or general information below. Village Presidents will get the specific information out to their villages in their normal communication manner.

Important: Dates may change due to weather, finishing another village ahead of or behind schedule or for others reasons.

Here are a few details for the DESIGN, MARK, DIG, PULL, INSTALL process:

- 1) **DESIGN:** The first Crew in to each village is the Design Team. Residents may notice this team. This Team will move from village to village with no notification. The Design Team measures, plots and draws the Proposed Conduit Path for each village and the Community. This Team also photographs all areas they will be working in prior to disturbing the areas. When the Design Plans have been approved the MARK Team is released.
- 2) **MARK 1:** Next will be Spray Painting of lines, with water based paint: The first spray paint lines you will see are White and are the Proposed Path Ways for the Verizon conduit based on the Design. Next will come "One Call" who will use various colored spray paint lines to identify underground utilities. The white proposed pathways are completed first so that One Call can see where the proposed dig/bore lines are.
- 3) **MARK 2:** One Call is called by the Dig Team and has three days to respond depending on weather. This area will notice workers spray painting, with water based paints, the utilities they are able to locate. They will use little to no paint on roadways if at all possible. The contractors will utilize "Pulse" to locate other underground utilities and should use the same colors as listed below:

WHITE - Proposed Excavation; **PINK** - Temporary Survey Markings; **RED** - Electric Power Lines, Cables, Conduit and Lighting Cables; **YELLOW** - Gas, Oil, Steam, Petroleum or Gaseous Materials; **ORANGE** - Communication, Alarm or Signal Lines, Cables or Conduit; **BLUE** - Potable Water; **PURPLE** - Reclaimed Water, Irrigation and Slurry Line; **GREEN** - Sewers and Drain Lines

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- 4) **WORKERS:** All Contractors will wear hard hats, safety vests and ID. Residents will receive letters stating workers will be working near their homes and door hangers may be utilized as well, similar to the protocol roofing companies working within HM follow.
- 5) **DIG:** The Second Team in will be the DIG Crew. This crew begins after the Marking is completed. The DIG Crew is responsible for laying the conduit. The DIG Crew will work in two phases: the first Dig Crew will install the main 'trunk line' conduit and underground distribution boxes. The Second DIG Crew will install the conduit runs to each home. There may be a day or three delay between the two DIG crews. Fiber Optic conduit will be placed using a 'borer' every where possible. The 'borer' is able to pull up to 400 feet underground. A 'saw' cut may be used depending on the terrain or hand digs may also be utilized. The Fiber Optic Cable will be pulled through the conduit once it is laid. Underground junction boxes will be installed.

NOTE: Equipment will likely be left in place at the end of each day, as the crews work, as it is difficult to move quickly and time consuming. Anything left beyond their work hours will be coned off. Supplies will likely be stored somewhere in your village during the infrastructure installation phase, similar to the way roofing companies work.
- 6) **NOISE and DIRT:** There will be noise and dirt. Then they will be gone, similar to when we have our roofs redone.
- 7) **PULL:** The Third Team in will be the PULL Crew. Expect this crew in the village either simultaneously (depending on the size of the village they are working in) or shortly after the DIG Crew. The PULL crew will pull the fiber optic through the conduit, install any underground junction boxes necessary and coil the end of the FO cable at each residence.
- 8) **CABLE TESTS:** The next step is for Verizon, from the main office, to conduct cable tests by running signal through each cable several times to be certain each cable to each home is viable. This process may take up to two weeks.
 1. After the cable tests are completed, if a cable needs to be replaced a work crew may reenter the village to replace a non functioning cable, if any.
- 9) **ONT BOXES:** The next step is for Verizon In-Home Installers to install the ONT (Optical Network Terminals) boxes. More on this step as we get closer. NOTE: Transition to Verizon Bulk Services and In-Home Equipment Installation begins next March, 2018 by Village.
- 10) The Engineers have specific information about each village.
- 11) Disturbed areas will be reset. Landscaped or grassy areas are generally reset on Saturday's. Grassy areas will be reseeded and HM Landscaping will white flag these areas. Anyone living nearby reseeded areas, please assist by watering these areas, similar to how we do when the snow crews and roofers have to reseed. Verizon has our seed Specification number and will use the correct seed. Landscaped areas will be avoided if at all possible. Road cuts will be avoided whenever and wherever possible. Road cuts will be 'cold' set initially to spec and then at the end 'hot' set to spec.
- 12) This will not be a perfect process, there will be delays, schedule speed ups, date changes, inconvenience, dirt, noise and errors and mistakes. The men and women working within our Community have the best of intentions and want to complete their work as fast and as accurately as possible. In the end, we will have a new complete to each home fiber optic infrastructure.

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More information to come as we move through this process.

VOLUNTEERS: Next week we will begin disseminating information directly to you with detail and updates. We will begin training in about a month. Anyone wishing to volunteer please let your Village President know or email me directly.

Thank you!

Hershey's Mill Telecommunications Committee