



TOWN OF PLYMOUTH COMMUNITY PRESERVATION COMMITTEE

MEMO

TO: Town Meeting, Board of Selectmen, and the Advisory & Finance Committee
From: The Community Preservation Committee
Date: Friday August 30, 2019
Re: FALL ATM 2019: CPA Article 9F

ARTICLE 16F: To see if the Town will vote to appropriate from the Community Preservation Fund Historical Reserve Fund, estimated annual revenues, undesignated fund balance, or reserves, borrow, or otherwise fund, the sum of \$35,000 for the preservation, rehabilitation and restoration The Town of Plymouth Bell located at 19 Town Square in the belfry of the National Pilgrim Memorial Meeting House; and further, in connection therewith, that the Board of Selectmen be authorized to grant to a non-profit or charitable corporation an historic preservation restriction meeting the requirements of G.L. c.184, §§31-33, shown as Assessors Map 19, Lot 21 or take any other action relative thereto.

COMMUNITY PRESERVATION COMMITTEE

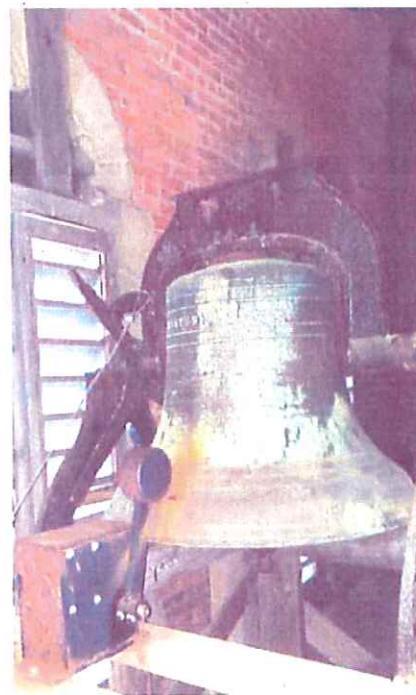
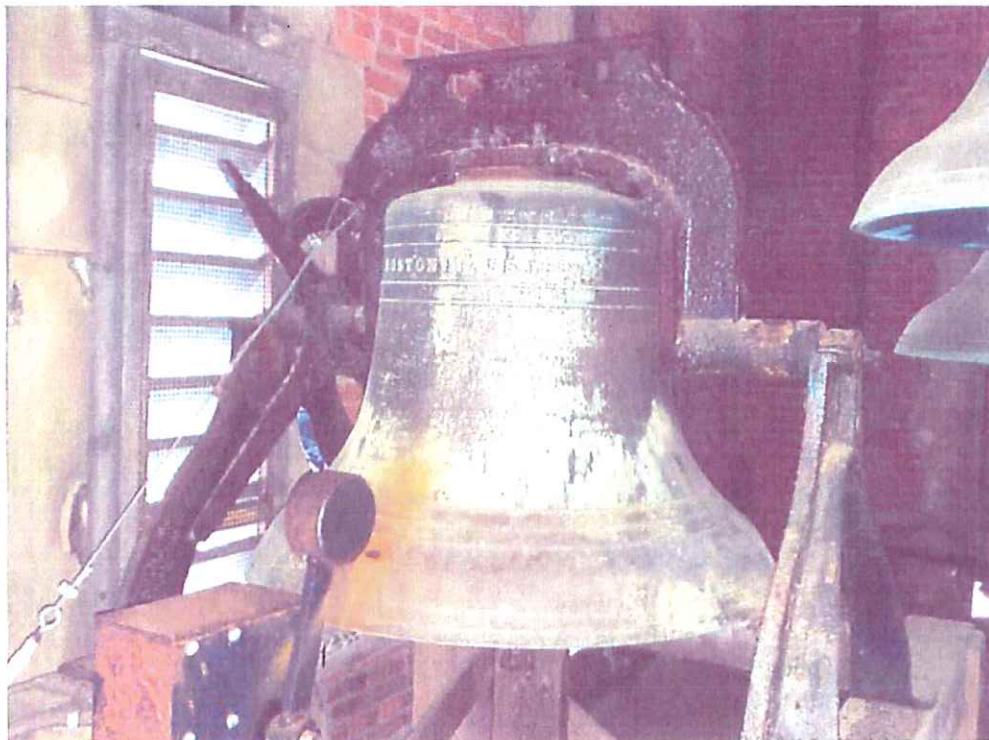
CPC RECOMMENDATION: Approval (unanimous)

The Community Preservation Committee voted unanimously to support Article 9F at its meeting held Tuesday August 27, 2019.

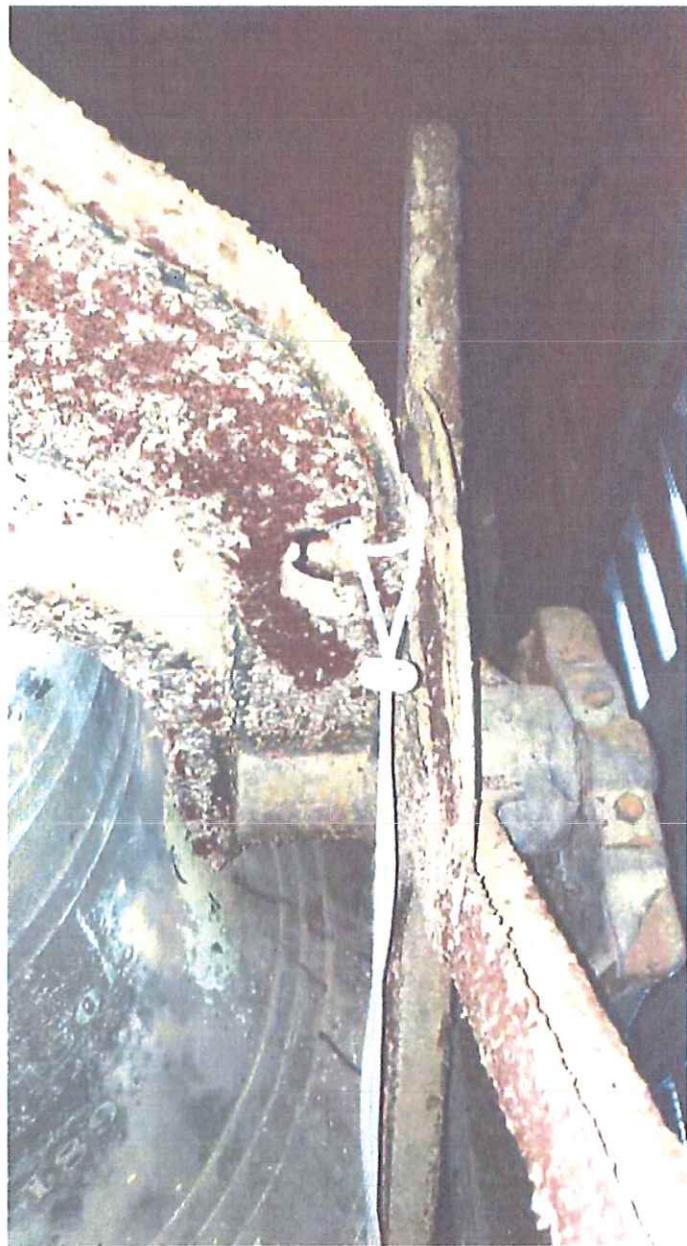
SUMMARY & INTENT:

The Community Preservation Committee is recommending to Town Meeting the restoration of the Town of Plymouth Bell. Town Meeting utilized CPA funding in 2005 for the Bell to be retrofitted with an electronic ringing system. The Bell origins dates back to the original Town Bell of 1697. The Bell has not rung by hand since 1976. The Bell is unable to rung by pulling the it's rope because the rocker had deteriorated over the years. This most recent request will cover the total refurbish of the Bell, including a new rocker, electronic ringing system and returning the ability to ring the bell by pulling the rope.

The Single Historic Town Bell Cast in Boston by the Blake Bell Company in 1896



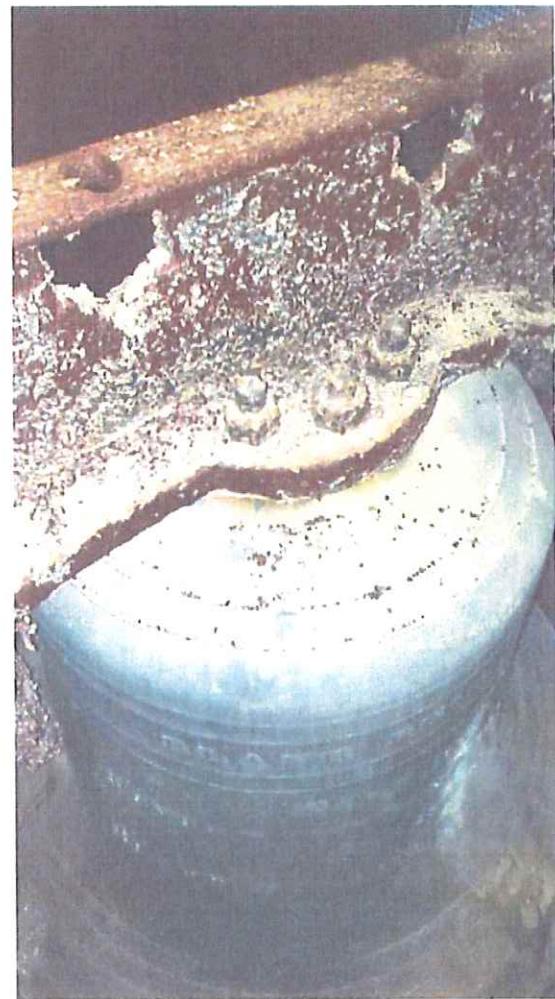
As shown below, the yoke, A stands and wheel are showing surface rust. We will sandblast, clean, prime & paint with rust inhibiting paint to prolong its life.

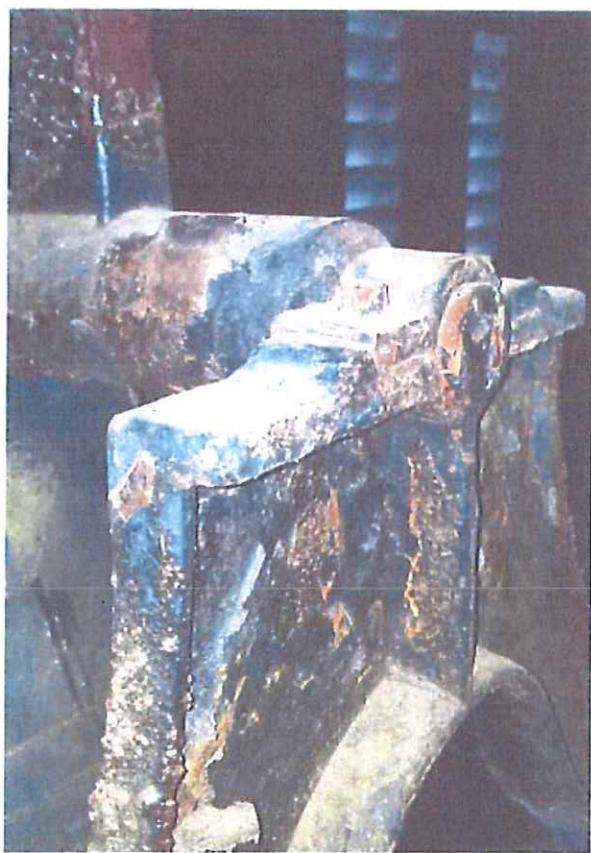




Surface Rust continued....

The head bolts on the single bell are showing signs of rust & corrosion. These bolts support the weight of the single bell and shall be replaced with new stainless steel bolts as part of the restoration.





Surface Rust continued....





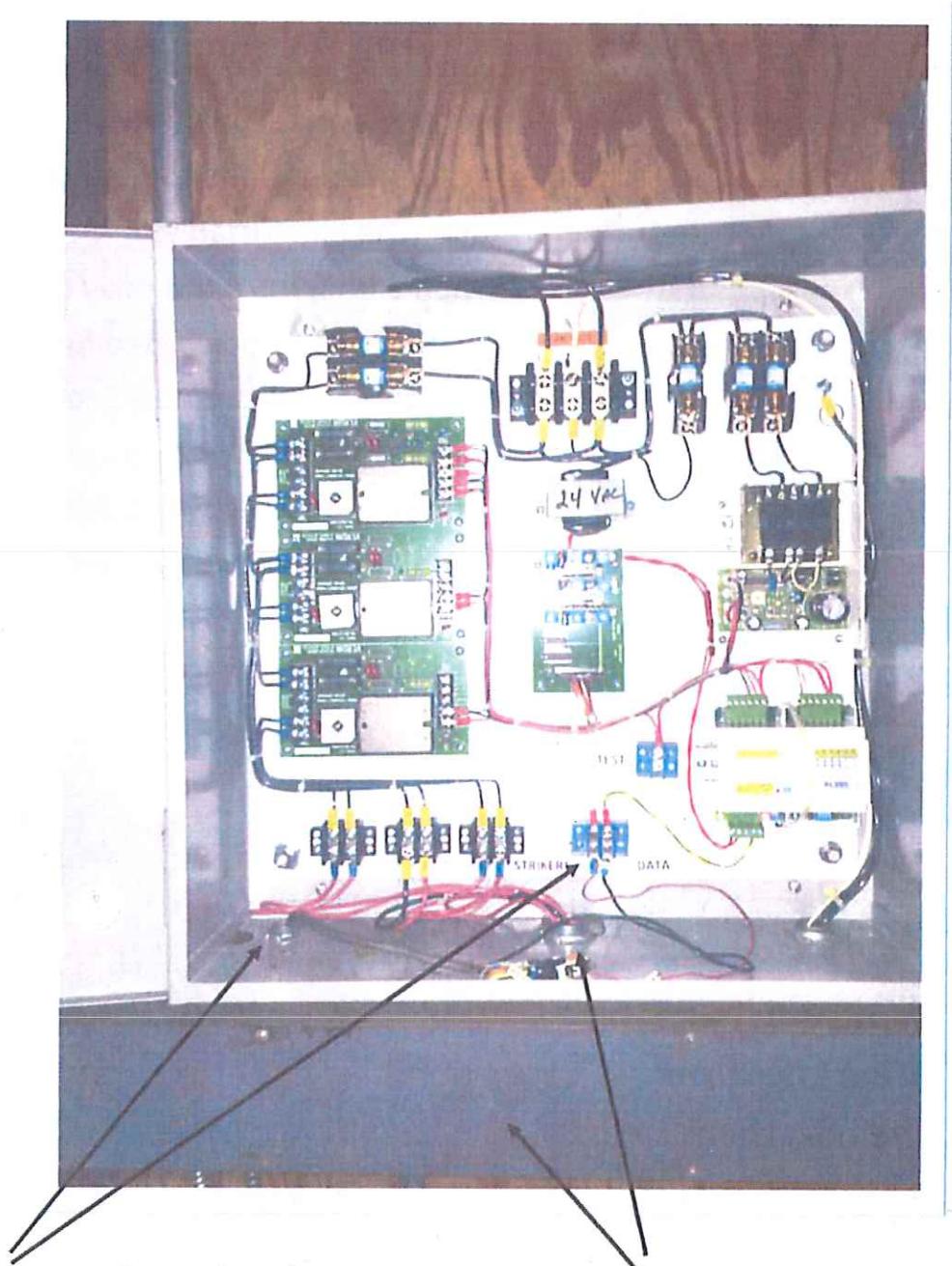
Junction Box shown here where the wiring goes from striker to the box, then downstairs where the relay panel is located. They may all travel within one conduit to the panel area. Please refer to wiring diagram provided by Verdin prior to installing wiring

Each Bell striker comes from the factory pre-wired (about 6-8 ft.) That wire goes into an electrical junction box either single or multiple. Our short cable is exterior grade. The electrician would typically decide on wiring from the relay panel below to each junction box based on local code requirements. It can be a Seal Tight conduit. Each cable has 2 conductor wires. The wiring drawing will indicate bringing spare wires as well.



Typical Bell Wiring (shown here for three bells)

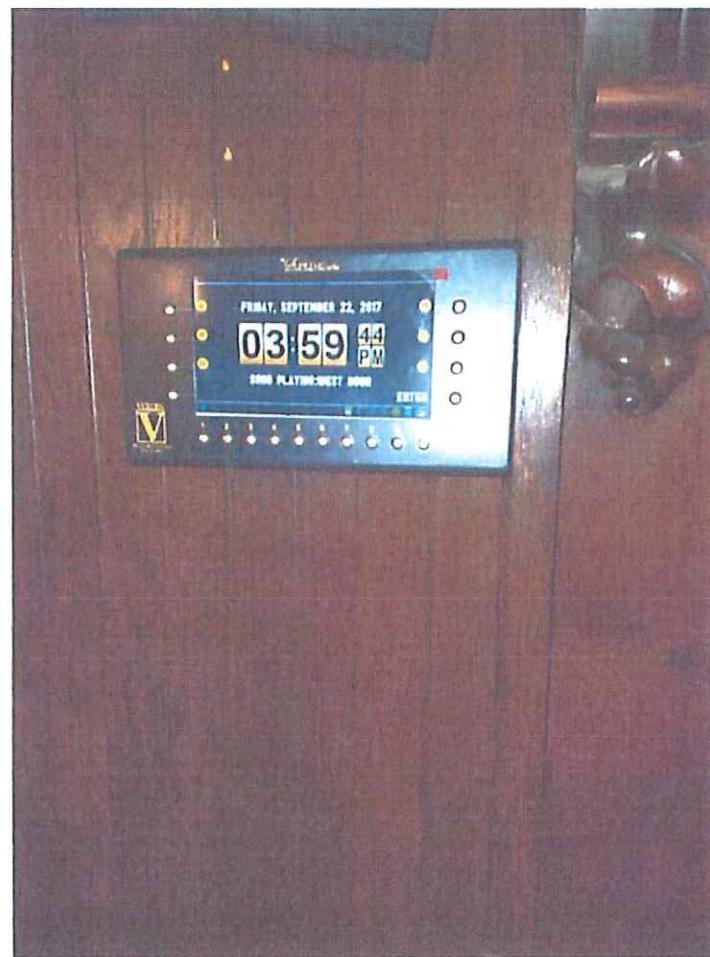
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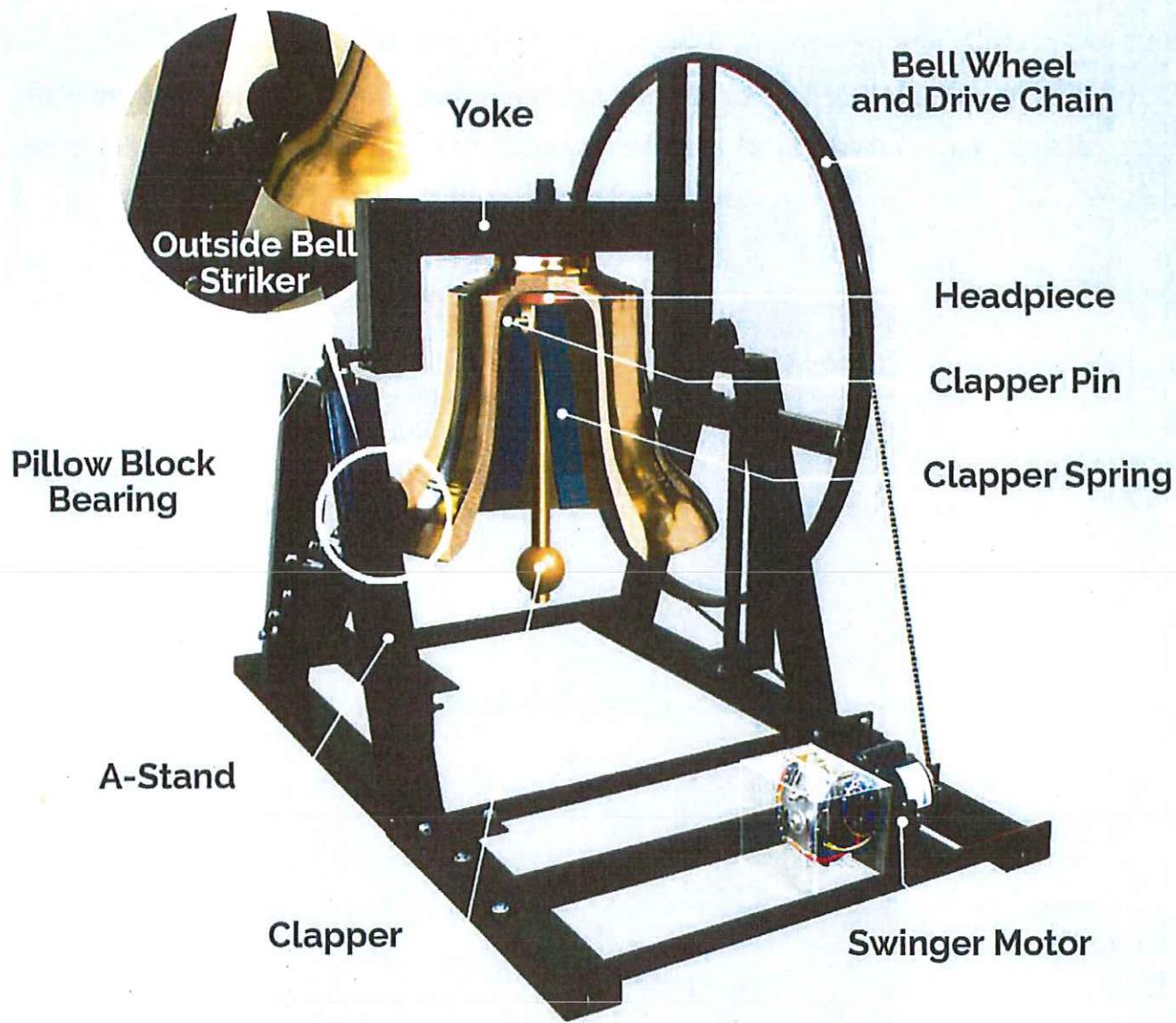


Low voltage data (1 pair twisted as shown on drawing) exit panel and are brought to area where the carillon master Controller is (near organ or near old chime instrument TBD)

High Voltage wires brought from strikers into a Troth Box, Or junction box (below panel) then each pair enter the panel to our terminals (one for each bell).

Carillon Master Bell Controller Just recently Installed at Trinity Church Wall Street (same as yours) where the low voltage twisted pair will connect from the panel to the controller.





- A. Head Piece, Clapper Spring, and Clapper Support Assembly
- B. Verdin Steel Constructed Yoke
- C. Pillow Block Bearing
- D. Verdin Steel Constructed Bell Wheel
- E. Verdin Steel Constructed A-Frames

