

BOARD OF SELECTMEN
September 13, 2016

Emergency Sewer Force Main
Response, Pipe Repairs,
And Redundant Pipe Updates

PLYMOUTH FORCE MAIN PROJECT UPDATES

Emergency Response

Bypass Pipe Monitoring-continues

Forcemain Repairs (Sliplining & Open Cut)

Construction-ongoing, week 15 of 22

Project Completion-early November

SRF Funding Updates

Application completed and approved

First reimbursement received on 9/1

PLYMOUTH FORCE MAIN PROJECT UPDATES CONT.'D

Redundant Pipe Updates

Design and Permitting

Bidding and Award

Construction

Bypass Pipe Decommissioning and Removal

Upon Force Main Start Up

Decommissioning of Bypass Piping-4/6 weeks

Redundant Pipe Work-Start after Bypass removal

PROJECT OVERVIEW

COMPLETED WORK



PIPE REMOVAL FROM VARIOUS FAILURE LOCATIONS

WESTERLY ROAD BREAK No.3



BRALEY RD EASEMENT



LONG POND ESMNT.



PIPE REMOVAL AND DOCUMENTATION

CORRODED PIPE BEING CAREFULLY REMOVED, INSPECTED, DOCUMENTATED, TRANSPORTED AND STOCKPILED FOR STORAGE



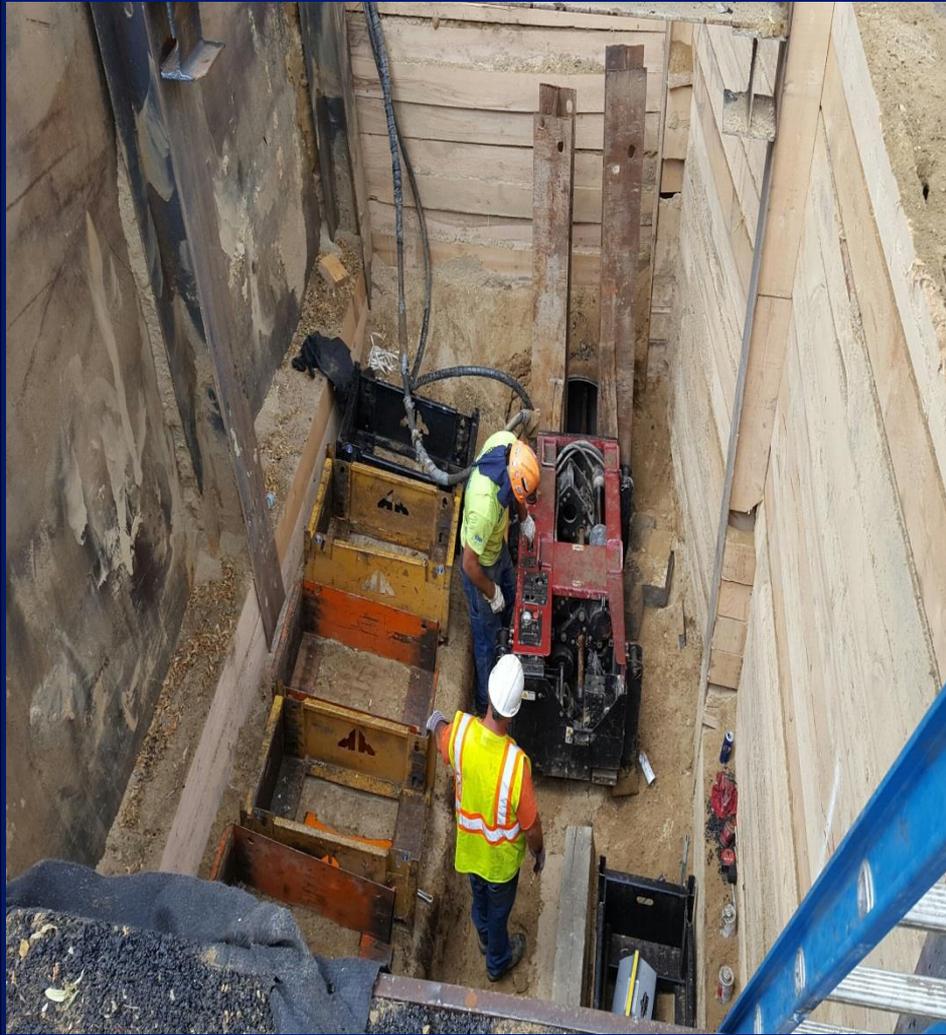
BYPASS PIPE TRANSITIONING WATER ST PUMP STATION



PIPE CONNECTIONS WATER ST PUMP STATION



LOTHROP STREET



COURT STREET CROSSING



SLIPLINING ON ALDEN STREET



PIPE CONSTRUCTION ON ALLERTON AND ALDEN ST



PIPE INSTALLATION BRALEY ROAD



PIPE INSTALLATION LONG POND RD. EASEMENT



PIPE INSTALLATION AND ANCHORING



PIPE INSTALL SAMOSET ST. AND S.H.L.O.



PIPE INSTALL THROUGH ROUTE 3 RAMP



BRALEY ROAD-AC PIPE



CONSTRUCTION SCHEDULE UPDATE

| PHASE | PHASE DESCRIPTION | ORIGINAL COMPLETION SCHEDULE | CURRENT COMPLETION SCHEDULE |
|-------|------------------------|------------------------------|-----------------------------|
| 1 | EMERGENCY RESPONSE | SEPTEMBER 2016 | END OF NOV. 2016 |
| 2 | EMERGENCY PIPE REPAIRS | AUGUST 31, 2016 | NOVEMBER, 2016 |
| 3 | REDUNDANT PIPE | DECEMBER, 2017 | DECEMBER, 2017 |

- BID PROTEST PUSHED THE SCHEDULE BACK BY TWO MONTHS
- AD&S EXPECTED COMPLETION IS NOVEMBER 1. (Testing & Commission)
- BYPASS REMOVAL IS EXPECTED TO TAKE 4-6 WEEKS
- OTHER FACTORS AFFECTING COST AND SCHEDULE:
 - AC PIPE ON BRALEY ROAD
 - REALIGNMENT ACROSS SAMOSET AND SHLO
 - PIPE REMOVAL AND DOCUMENTATION ADDED 24 DAYS TO SCHEDULE

PROJECT COSTS SUMMARY UPDATE

| TASK | CONTRACTOR | ORIGINAL ESTIMATE | COST-TO-DATE | PROJECTED COST TO COMPLETE |
|------|--------------------|-------------------|----------------|----------------------------|
| 1 | C. BRITO | \$9.5M | \$12.13M | \$15.0M |
| 2 | SEPTAGE HAULERS | \$1.8M | \$2.053M | \$2.053M |
| 3 | NWM/CPI/OTHERS | \$.6M | \$1.5M | \$1.5M |
| 4 | ALBANESE D&S | \$12.5M | \$7.5M | \$12.5M |
| 5 | POLICE DETAILS | \$.35M | \$.35M | \$.8M |
| 6 | ENGINEERING (EPG) | \$4.4M | \$1.6M | \$3.8M |
| 7 | ENGINEERING (BETA) | \$.16M | \$.2M | \$.35M |
| 8 | REDUNDANT PIPE | \$12M | - | \$12M |
| | TOTAL | \$48.3M | \$25.33 | \$48.0M |
| | | | | |

Where are we?

OPTION 5 SELECTED-April 2, 2016
Option Cost: \$48.2M
9 months into Emergency Response & Repair

| | |
|--|--|
| Fast track bidding of emergency repairs (April 2016) | Two Months Behind Schedule- Bid Protest/Delay in Award |
| Notice to Proceed (Pipe Repairs): April 19, 2016 | Actual NTP: June 7, 2016 |
| Pipe Repair Original Schedule: 16 Weeks | Pipe Repair Actual Schedule: 22 Weeks (*November 1, 2016) |
| Redundant Pipe Schedule: Summer/Fall of 2017 | On Schedule |

Looking Ahead

Redundant Pipe

| PHASE | PHASE DESCRIPTION | ORIGINAL COMPLETION SCHEDULE | CURRENT COMPLETION SCHEDULE |
|---------------------|------------------------|------------------------------|-----------------------------|
| Design & Permitting | NOI, USACE, Tribes | October, 2016 | October, 2016 |
| Bid/Award | Redundant 24-inch F.M. | October, 2016 | Award by November |
| Construction | Redundant 24-inch F.M. | August, 2017 | Summer/Fall 2017 |

- Bid/Award-end of November (bypass must be removed)
- Mobilization-December 1, 2016
- All downtown work including restoration completed by Memorial Day 2017
- Full project completion/restoration, Summer/Fall 2017

Thank you

Tremendous Commitment over 9 months

Residents along bypass and construction work zones

State and Local Officials

Municipal Departments/Town Staff

Engineers/Contractors