

FIELD OBSERVATION REPORT

Project: Gas Main – Cumberland-Falmouth-Yarmouth
Client: Towns of Cumberland, Falmouth and Yarmouth
GP Field Rep: Benjamin Grondin (BG)
Weather: Sunny
Temp. Range: 75-85°F
Time onsite: Multiple visits

GP Project No: 1636.87
Visit Date: August 24, 2017
Report Date: August 25, 2017

Summit Natural Gas

Crew #1: ETTi – Foreman (Matt) and 4 man crew
Equipment: CAT mini excavator, 2 dump truck

Crew #2: Bard Paving Construction – Foreman (Blaine), 7 man crew,
Equipment: 1 – CAT skid steer with grinding machine, 3 dump truck, 5 ton roller, various hand tools

Crew #3: B&S Paving – Foreman (Rick) and crew

Distribution: File, Bill Shane, Chris Bolduc, Adam Theriault, Bryan Haberman, Bryan Foster, Bert Stefanic

Work in Progress – Town of Cumberland

- Crew #1 sawcutting trenches and installing 4” gas main in the east bound shoulder on Skillin Road near house #30.
- Crew #2 removing bad pavement at Thomas drive and replacing with 12.5mm HMA.
- Crew #3 sawcutting and paving trenches on Skillin Road.

Discussions & Observations

Crew #1:

Skillin Road

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- BG met with Matt (ETTi) in the morning and indicated that achieving compaction for trench paving was of importance to the Town of Cumberland, therefore, trenches must be sawcut to at minimum, the width of the roller drums.
- Crew sawcut the existing pavement approximately 6” back on either side of the trench providing a total trench width of approximately 41” which allows the drums of B&S Paving’s 3-ton vibratory roller to fit within the trench.
- Crew installed approximately 400’ of 4” gas main from the existing trench on Skillin Road from near house number 24 to near house number 34 at approximately 40” depth.
- All utilities located via manhole inverts, camera, electronic locator, or hand excavated.
- Depth of utilities are to top of pipe unless noted in table below.

Utility	Depth
1” water service #24	5’5”
1” water service #30	5’5”+
1” water service #34	5’5”+



Crew achieved >1' of separation on all utility crossings.

- >3' of parallel separation was achieved between the gas main and 6" underdrain in the westbound shoulder of Skillin Road.
- Crew backfilled trench with sand around the gas main, with excavated material above the sand. Backfill was compacted in lifts with a plate wacker.
- Crew cleaned worksite and traffic returned to normal by 4:30 PM.

Crew #2

Bard Paving Construction

- Work Zone Closure: 1 lane closed on Thomas drive with Crew maintaining local traffic.
- Crew sawcut and removed pavement in the driveway of 10 Thomas Drive which was paved last year with HMA not conforming to the MaineDOT Standard Specifications.
- Ambient air temperature at start of paving was approximately 82°F.
- Crew cleaned and tacked the edges of the existing pavement prior to placing 12.5mm HMA.
- Crew hand placed 12.5mm HMA.
- 12.5mm HMA was placed in 2 lifts. The first lift was compacted with a plate wacker only. The second lift was compacted with a plate wacker and 5 ton vibratory roller.
- 12.5mm HMA used for trench paving was measured to be 293°F conforming to the MaineDOT standard specifications temperature range.
- Crew cleaned worksite and traffic returned to normal by 4:00 PM.

Crew #3

B&S Paving

- Work Zone Closure: 1 lane closed on Skillin Road with flaggers maintaining alternating one way traffic.
- Crew completed trench paving at the driveway crossing trench to Copp Motors, driveway crossing trench to house #5, the Roadway crossing trench at Kathy Lane, and half of the roadway crossing trench on Skillin road near Kathy Lane.
- Crew hand built curb with 12.5mm HMA where curb had been removed at the corner of Kathy Lane.
- Crew removed saw cut pavement and compacted gravel with a plate wacker and 3 ton Vibratory Roller
- Edges of pavement were cleaned and tacked prior to placing 12.5mm HMA.
- Ambient air temperature at start of paving was approximately 73°F.
- Crew hand placed 12.5mm HMA in trench area.
- All loads of 12.5mm HMA conformed the the MaineDOT Standard Specification temperature range.
- Crew placed 12.5mm HMA in lifts with each lift compacted with a plate wacker and 3 ton vibratory roller.
- Crew cleaned worksite and traffic returned to normal at approximately 3:45 PM.

Upcoming Work

- 4" gas main installation on Skillin Road to continue Monday (8/28)
- B&S to continue paving gas main trench on Monday (8/28)



Restoration Required

Location	Length of Main or # of Services	Roadway Crossing Trench Patch (1)	Driveway Crossing Trench Patch (1)	Longitudinal Road or Shldr Trench Patch (1)	Sidewalk Trench Patch (1)	Pave Pothole (1)	Restore Gravel Shldr or Driveway (2)	Loam, Seed & Mulch (2)	EC Blanket (2)	Riprap (2)	Moratorium Roadway Restoration (1)	Comments
MAINS												
Skillin Road	400'		X	X				X				Replace curb #22 driveway #24 driveway
SERVICES												

- (1) Gorrill Palmer must observe pavement during placement
- (2) Gorrill Palmer will observe restoration after completion

Visitors on Site

- None observed.

Concerns or Questions

- The roadway trench on Skillin Road is in the travel lane. Dust generated by traffic is a concern. Gravel trench will be monitored and repaired or treated as necessary.

Follow up Required

- None at this time.

Prepared By: Benjamin Grondin, EI

Reviewed By: Drew Gagnon, EI

If there are any discrepancies, please notify the sender immediately



Compacting gravel with 3 ton vibratory roller.



Sawcutting trench



Compacting backfill at driveway crossing



Hand built curb and completed trench at Kathy Lane.