

Franklin Department of Public Works

Current Project Updates
Pavement Management Program & Sidewalk Plan
Water Tank Master Plan

August 16, 2023

Robert Cantoreggi, Director

Mike Maglio, Town Engineer

Doug Martin, Water and Sewer Superintendent

Current Project Updates

- * **Janie Ave Neighborhood** - Water Main Replacement (**\$750K**)
- * **Grove St Phase 1** - Traffic Signal at Washington and Grove (**\$700K**)
- * **Arlington Rd Neighborhood** - Roadway Reconstruction Project (**\$1.1M**)
- * **Grove St Phase 2** - Multi-use Path to SNETT, drainage and road paving to Kenwood Circle (**\$2.1M**)

Current Project Updates

- * **Chilson Park** - New fields / playground (**\$400K**)
- * **Nason Street Playground** - New Playground (**\$450K**)
- * **Complete Streets Grant** - 2 Flashing Pedestrian Beacons and Bike Racks at 4 Locations (**\$80K**)



Beaver Street Interceptor Project

Notice to proceed issued August 9th, 2023



Stormwater MS4

Phosphorus Control Plan

- * Improvements required over next 5 years
- * Estimate Cost: \$30 Million !!!
- * Increase Avg. Residential Cost from
\$56.00 to \$350.00 !!!



Pavement Management Program & Sidewalk Plan

Pavement Management Report (2023)

Average RSR By Segment: 71.73

Cost for repairs / improvements \$29 Million

Pavement Management Report (2019)

Average RSR By Segment: 73.56

Cost for repairs / improvements \$39 Million

Improvement Money

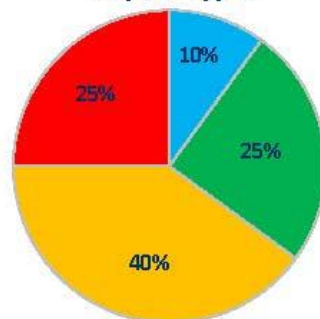
Funds Used for Roadway Improvements Since 2018

• Chapter 90 / Wrap	\$6,761,077.00
• Water Funding	\$3,966,140.00
• Town Capital Appropriations :	\$6,634,490.00
• Water Capital Appropriations :	\$896,013.00
• Grants:	\$152,218.00
• Operating Funds:	<u>\$1,236,144.00</u>
Total:	\$19,289,016.00

Roadway Forecast Model Franklin, MA

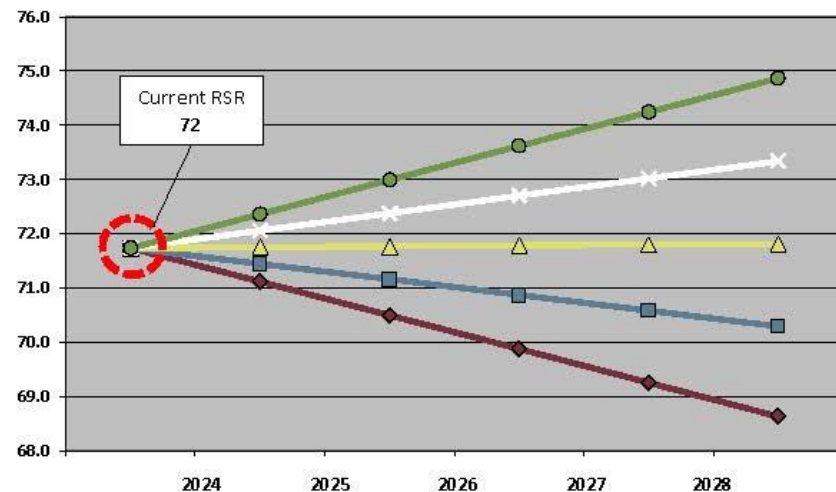
ManageMyRoads by BETA

Funding Distribution by
Repair Type



Community Profile

Road Miles = 142.45
Ch. 90 Allotment = \$933,100
Population = 33,150



Funding Scenarios

Scenario 1*	\$933,100
Scenario 2	\$1,750,000
Scenario 3	\$2,500,000
Scenario 4	\$3,250,000
Scenario 5	\$4,000,000

*Current Ch. 90 Allotment

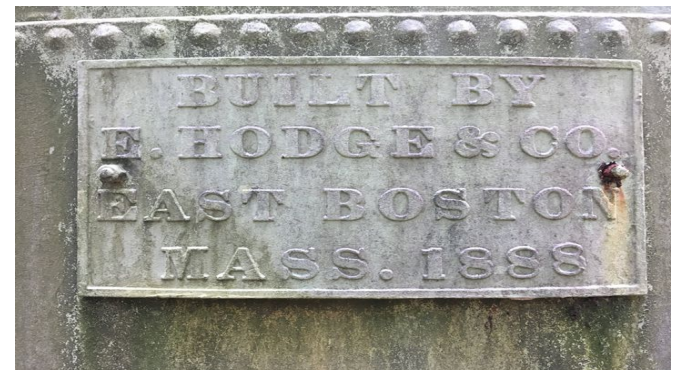
Water Storage Tanks

6 Tanks 12 Million Gallons

- * Purpose: Fire Protection, Pressure, Equalization
- * Age: 1888 to 1996
- * Material: Steel and Concrete

Projects (\$13.5 Million)

- * Hillside Tank Replacement (\$7 Million)
- * Pleasant St. Tank Service Area
Energy Eff. (\$4.4 Million)
- * Bald Hill and Forge Hill Tank
Improvement (\$2.1 Million)



Water Capital Projects

- **Well 7/7A PFAS** - PFAS treatment facility adjacent to the current building at the Well No. 7/7A site. **Estimated cost ~ \$6.5M**
- **Fisher Street WTP** - Replace the existing Fisher Street WTP membrane cartridge system before the estimated end of cartridge life (~2025) which could lead to WTP failure/loss of services. **Estimated cost ~ \$26 Million**
- **Water Main Replacement / Road Improvement Program** - The current \$7.5 million 5 year program is being completed in 2024 and to continue another 5 year program will cost \$10 million. **Estimated cost ~ \$10 Million**
- **Additional PFAS Treatment** if EPA regulation goes into effect - **Estimated cost ~ \$50M plus**



Photo 1 Exterior of Well 7/7A Pump Building

Potential Infrastructure Costs Next Five Years

Highway	\$30-\$35 Million
Stormwater	\$15-\$30 Million
Water	\$42-\$92 Million
Sewer	<u>\$33-\$38 Million</u>

Total: \$120,000,000
to \$195,000,000 !!!

Questions???

Gettin it Done !!!

