Ayer DPW Works for You

- Clean and safe drinking water every day
- Collection of your wastewater
- Safe and smooth roads
- Best snow plowing around
- Solid waste disposal and recycling at the transfer station
- Maintain and clean the drainage pipes to prevent flooding and keep Ayer’s ponds clean
- Mowing, street sweeping, new signs to keep Ayer looking great
What Did We Do Last Year?

- Replaced 100 year old water main on Pearl Street
- Granite curb, new sidewalks and repave Washington St
- Constructed DPW Operations Center
- Replaced Streetlights with LED lights (65% energy savings) – Paid for with Green Community Grant
- Replaced drainage on Willard St
- Replace culvert on High Street
- Constructed Ayer Community Dog Park
- Continued Ayer DPW YouthWorks Program
- Designed West Main St Bridge (ready to go to bid)
- Completed Sewer System Evaluation
- Completed construction of Phase 1 of wastewater treatment plant upgrade
- Designed and Bid Highway Storage Garage
- Designed PFAS Water Treatment Plant at Grove Pond Wellfield
- Designed and constructed Pirone Park walking path
What is Planned for This Year?

- Construction of PFAS Water Treatment Plant
- Wright Road Water Main Replacement
- Hydrant Replacements around town
- Lower Washington St Road and Sidewalk Paving
- Prospect St / Oak St Road Reconstruction
- DPW Highway Storage Garage Construction
- West Main St Bridge Construction
- Design of Groton Shirley Rd water and drainage improvements
- Design of West Main St Infrastructure Improvements (MassWorks Grant?)
- WWTP Improvements Phase 2
DPW Capital Improvement Plan

Objectives

- The Ayer DPW continues to be committed to the ongoing maintenance and repair of capital assets, recognizing the critical value of the infrastructure to the economic, aesthetic and functional viability of the Town.

- The proposed capital projects are requested to continue major rehabilitation of Town infrastructure and improving our community.
THANK YOU FOR YOUR CONSIDERATION OF THESE IMPORTANT TOWN INFRASTRUCTURE PROJECTS
Article 15 Capital Budget Requests

- Main Street and Columbia Street Improvements Engineering $250,000
- Road Paving $150,000
- Groton Shirley Rd Water Main Engineering and Permitting $50,000
- Grove Pond Filter Media Replacement $158,074
- Sewer Inflow / Infiltration Repairs $282,351

2019 Annual Town Meeting
Main Street / Columbia St Engineering
$250,000

- TIP Application for MassDOT funding was approved for $3 M
- Next step is preparing engineering design
- Project includes new sidewalks, crosswalk improvements, elimination of curb island and signalized intersection at Park and Main
- After 25% design is complete, MPO will set the construction schedule
- Will request price proposals from qualified engineers
Main Street Conceptual Design
Road Paving - $150,000

- Town has relied on MassDOT Chapt. 90 funding for road paving
- Town apportionment is $243,513
- Pavement Management Plan determines the Pavement Condition Index for each road
- PCI should be over 80
- Cost to repair roads with PCI lower than 40 = $3.1M
Road Paving

What’s planned?
- Washington Street from Main to Highland
- Pleasant & Taft
- Mulberry Circle
- Pearl Street
- Mulberry Circle (phase 1)
- Prospect and Oak (CDBG Grant)
- School St sidewalk (Complete Streets Grant)
Groton Shirley Rd Water Main Loop - $50K

- $ for design and permitting
- Existing water mains “dead end” on Fitchburg Rd and Groton Shirley Rd – low fire flows and poor water quality
- Many customer complaints in the area results in excessive flushing
- Need to repave G-S Road soon (worst road in Town)
Grove Pond Filter Media
($275K Total, $158,074 Borrow)

- Existing filters remove iron, manganese and arsenic from Town water
- Media “capacity” has decreased significantly – many dirty water complaints and time consuming media cleaning and regeneration

2019 Annual Town Meeting
Sewer Inflow / Infiltration Repairs

$350K total $282K Borrow

- Aging sewer system with many leaks
- High costs to pump and treat infiltration
- Excess flows are sent to Devens

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<th>Subarea</th>
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2019 Annual Town Meeting
Article 17 Capital Budget Requests

- Main Street Light Replacement: $70,000
- 0 Park Street Paving: $25,000
- DPW Mobile Sign Board: $20,000
Main St Streetlights - $70,000
Main St Streetlights - $70,000

- Original downtown streetlights installed in mid-1980s
- Have replaced about \( \frac{1}{2} \) of the old lights
- Light Inventory:
  - 2 poles gone
  - 6 poles in danger of falling over
  - Total of 24 need replacing
  - FY20 budget is for the 8 worst poles
Mobile Sign Board  $20,000

- With the increase on infrastructure projects throughout town, 2 mobile sign boards allow the Town to provide information in both directions.
- The Ayer PD has a sign board and we typically use Devens when available for short term projects.
- Sign Board can be used by other Town Depts.
0 Park Street Paving $25,000

- Town Parking Lot on Park Street – needs repaving
- Will add Pay Station for CY2020
Article 35 East Main St Easements

- East Main St Reconstruction from Harvard Rd to Main St scheduled for bid this fall and spring 2020 construction
- 60 temporary construction easements and 4 permanent easements
- Federally funded project requires easement agreements with most abutters
- There are specific requirements and DPW will be send out info to each property in June and have public meeting
- Temporary easements are required to loam and seed and match driveways and walkways
East Main St Easements
East Main St Easements
Article 36 – Mass Electric Easement – MacPherson Rd

- MacPherson Rd = Ayer Wastewater Treatment Plant
- DPW is upgrading the electrical service due to recent power issues
- Easement is required for new service
Proposed 2-4" concrete encased conduit
Proposed 3-Phase pad mounted transformer

Sketch to accompany the Easement for the installation/replacement of 2-4" conduit and 3-phase padmounted transformer.
Article 37 Easement Transfer Station Utilities

- Easement for National Grid required on Transfer Station property for Interconnection to proposed solar installation on closed landfill
- Solar installation is lease that will pay the Town $25K to $30K per year to offset Transfer Station operating costs
Annual Water Main Replacements

- Annual Capital request to replace aging water mains with poor rating
- Budget for $300K per year (approx. 2000 ft.) - $200K Capital, $100K from surplus
- FY19 projects include High, Williams, Prospect, Oak plus substandard fire hydrants
- In-house engineering to maximize pipe replacement value
- Continue to apply for grant funding