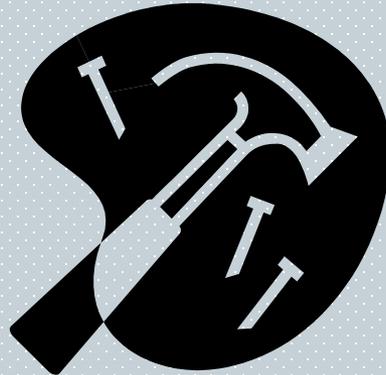
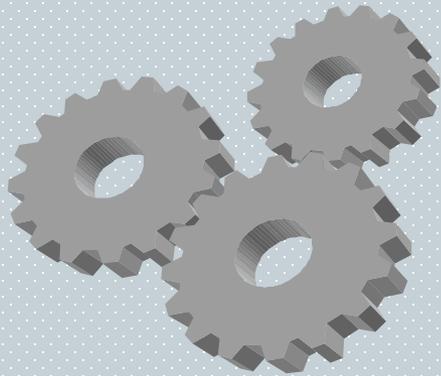


Infrastructure Work Group





City Infrastructure Work Group



Team:

- Department of Public Works;
 - Environmental Protection Division
 - Facilities Division
 - Parks, Recreation and Cemetery
 - Highway
- Central Fleet Maintenance
- Manchester Transit Authority
- Manchester Water Works
- Information Systems Department



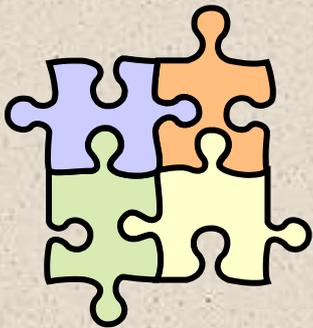


City Infrastructure



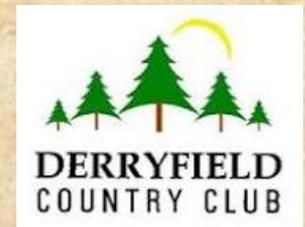
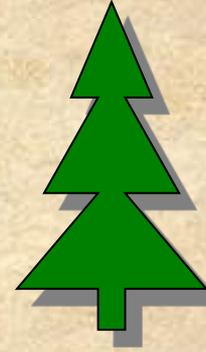
Mission Statement:

To work collaboratively across departments to develop a comprehensive city-wide **asset management** plan; creating a structured program to minimize the life-cycle costs of asset ownership while maintaining required service levels and sustaining the community's infrastructure for future generations.



Did you know there are.....?

- 405 miles of roadways
- Over 1,000 miles of pipeline
- Over 1,000 acres of parks
- Over 100 busses
- 2 Ice Arenas and a golf course
- 62 miles of fiber optic cable
- 88 Buildings - 3,000,000+ square feet of buildings
- Over 35,000 City Customers
- 9 Dams



That Represents...



Billions of
Dollars in Assets!
000,000,000



ASSET MANAGEMENT



- The City has many assets in excess of 100 years old.
- Long term asset preservation needs to be a **key** part of the annual budget process.



What is Asset Management?



Programs and systems necessary to maximize operational reliability and simultaneously minimize life cycle costs

SHORT TERM ASSET MANAGEMENT

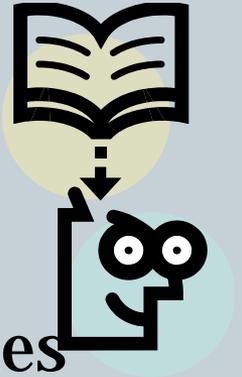


- **Continue refining Roadway Preservation Program**
- **Continue supporting Vehicle Replacement Program (MER)**
- **7-10 MGD Water Treatment Plant –
West Side of Manchester**

SHORT TERM ASSET MANAGEMENT



- Develop a plan to modernize and standardize security systems within the City and Schools
- Establish Property Management Responsibilities
- Acquire Fleet Management Software
- Begin regular annual funding of asset management/deferred maintenance



MIDTERM ASSET MANAGEMENT



- Develop a ***Digital City*** Plan
- MTA - Annual Fleet replacement schedule consistent with MER funding
- MWW - land acquisition for protection of watershed
- Develop policies, standards and metrics to measure the efficacy of the city's deferred maintenance programs.
- EPD - Phase II CSO construction program \$130,000,000

LONG TERM ASSET MANAGEMENT



- **Implement Vehicle Telematics**
- **Establish Strategic plan for city assets. Include disposal of old assets and renewal of current assets.**
- **Promote Urban Revitalization during long term infrastructure improvements.**



Outside Asset Management



Other Initiatives Besides Asset Management



Intangible Assets



- Explore ways to minimize volume of solid waste and maximize recycling opportunities
- Increase affordable recreational opportunities

Human Assets

- Finding difficulty in hiring some positions - mechanics
- Develop internship program for High School and College students
- Succession planning needs to become common practice





City Infrastructure



Mission Statement:



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CITY OF MANCHESTER INFRASTRUCTURE



Questions ?



THESE CITY DEPARTMENTS MAINTAIN AND MANAGE THE FOLLOWING ASSETS AND INFRASTRUCTURE

Central Fleet

- 500 Vehicles & Trailers

Environmental Protection Division

- 10 pump stations
- 5 Metering stations
- 1 wastewater treatment facility that services Manchester, Bedford, Goffstown and Londonderry – Metro area of 172,000 residents

Facilities Division

- Over 3,000,000 square feet in schools, and municipal buildings
- 22 Schools
- 80 other municipal Building

Highway Division

- 405 miles of roadways.
- 360 miles of sewer, some dating back to 1846
 - *(we have over 100 miles of sewer over 100 years old)*
- 200 miles of drainage
- Street lighting system of 9,000 fixtures,
- The collection of over 38,000 tons of solid waste and 6,000 tons of recycling.
- 159 Signalized intersections and 20,000 signs
- 35 Bridges

Information Systems

- 62 miles of fiber optic cable
- 1056 PCs
- 39 Tablets
- 447 Printers
- 200 Cameras
- 68 Police/Fire mobiles
- 219 Servers
- 292 Switches and Routers
- 128 Wifi Access points
- 47 Telephone systems

Parks Division

- Over 1,000 acres of parks
- 18.4 miles of trails
- 4 pools
- 2 ice arenas
- 1 golf course
- 50,000 street trees
- Over 145 playgrounds, fields, and basketball courts

Water Works

- 50MGD Water Treatment Plant
- 31.8MG storage tanks (7) and reservoir
- Eleven (11) Pump Stations (40 pumps)
- 500.6 miles of main (1"– 63" diameter)
- 10,645 Valves
- 3,391 Hydrants
- 31,356 Domestic Services
- 1,681 Fire Services
- 29,374 Meters
- 6,167 Backflow devices
- 668 HP Hydro Generator
- 15K sq. ft. Admin Building
- 5K sq. ft. Maintenance Garage
- 70+- Vehicles and Machinery
- 4 sq. mi. lake (15 BG)
- Tower Hill Reservoir (1.3 BG)
- 8K acres land in 5 towns
- 50+ miles Fire Roads
- 3 Public Boat Launches
- 7 Dams
- 3 Cell Towers (4 agreements)
- 7 private rental properties