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
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
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
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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