

## PUBLIC WORKS DEPARTMENT

### Overview

The Public Works Department is responsible for a wide variety of programs that provide the basic services required by Village residents. The department handles the purchase, design, construction and maintenance of all Village-owned vehicles, equipment, infrastructure and related assets (except buildings). This includes the drinking water distribution system, sanitary sewage and storm water collection systems, streets, street signs and pavement markings, traffic signals, street lighting, public sidewalks, Central Business District (CBD) landscaping and parking lots, parkway trees, and vehicle fleet management. The Public Works Director also oversees the daily operation of the Glenbard Wastewater Authority that is jointly owned and operated by the Villages of Glen Ellyn and Lombard.

A major responsibility of the Public Works Department is development and implementation of the various capital projects to maintain and improve the water, sanitary sewer, storm sewer, street and sidewalk systems. Glen Ellyn residents first constructed a water system in 1907 followed by a sanitary sewer system in 1911. These systems provided two of the basic necessities of life in the Village, allowing for new construction and growth to occur. The systems provide water for fire fighting as well as drinking. The sanitary sewers remove wastes from individual homes and provide basic treatment before discharge to the East Branch DuPage River. New concrete streets were built starting around 1910 that led to the construction of storm sewers to carry away rainwater in order to reduce storm water flooding.

All of the four major systems noted above started over 90 years ago. The Village of Glen Ellyn has continually updated and expanded these systems over the years. The systems are collectively in good operating condition and provide reliable service for all residents. The systems continue to need significant capital improvements on a yearly basis. This work is reflected in the budget for the Public Works Department. Below is a summary of the fiscal year 2007/08 Public Works budget that begins May 1, 2007.

FUND #	PUBLIC WORKS DEPARTMENT EXPENDITURE TOTALS	FY 05/06 ACTUAL	FY 06/07 REVISED BUDGET	FY 06/07 ESTIMATED ACTUAL	FY 07/08 BUDGET
100	Admin. & Engineering	\$547,779	595,400	491,500	687,400
100	Operations – General Fund	1,845,540	1,853,775	1,875,000	1,775,400
	<b>General Fund</b>	<b>\$2,393,319</b>	<b>\$2,449,175</b>	<b>\$2,366,500</b>	<b>\$2,462,800</b>
500	Operations – Water	4,590,266	6,133,178	4,434,700	5,692,100
500	Operations – Sewer	5,451,664	7,998,498	7,197,300	7,469,800
	<b>Water / Sanitary Sewer Fund</b>	<b>\$10,041,930</b>	<b>\$14,131,676</b>	<b>\$11,632,000</b>	<b>\$13,161,900</b>
530	Parking Fund	195,933	811,799	212,900	820,600
650	Equipment Services Fund	1,451,004	1,202,000	1,203,000	1,233,700
210	Motor Fuel Tax Fund	694,059	1,615,000	725,000	1,360,000
400	Capital Projects Fund	8,244,626	9,969,438	9,044,000	6,519,000
230	Community Enhancement Fund	1,237,125	1,034,299	620,000	40,000
	<b>Total Expenditures</b>	<b>\$24,257,996</b>	<b>\$31,213,387</b>	<b>\$25,803,400</b>	<b>\$25,598,000</b>

During the past five years, the Village Board approved significant long-term infrastructure plans and the resulting capital expenditures to improve these major systems serving Glen Ellyn residents. These include:

- In 2000, approval of a twenty year street and storm sewer improvement program, recommended by the Capital Improvements Commission, estimated to cost \$57 million (in 1999 dollars). Funding sources include \$18 million in 10-year bonds approved by the voters in November, 2000 to finance 17 storm sewer projects, and the initiation of a real estate transfer tax in 2000 to provide at least \$550,000 annually for expanded street improvements. The 2007 construction season marks the completion of the 17 storm sewer projects, fulfilling a promise to complete these storm sewers in six years.
- In April, 2003, a 22 ½ % increase in water / sanitary sewer rates (phased in over two years) to help pay for \$32 million of water and sanitary sewer projects identified in the 10 year water and sanitary sewer improvement program recommended by the Capital Improvements Commission and approved by the Village Board.

These capital expenditures make up over 50% of the expenditures for the Public Works Department.

The planning, design and oversight of these major construction programs are a major focus of the department's work. Staff recognizes the importance of the continued rehabilitation of the various systems and the great responsibility various Village Boards and the residents of Glen Ellyn have placed on staff to wisely spend the substantial resources required to maintain these systems. Staff has focused on this task and will strive to keep the systems working well but also to be sure the work is done correctly.

The Public Works Department has made great strides in the reorganization plan implemented in 2006. The plan focuses on combining the former Street/Forestry and Utilities Divisions into one Operations Division. The program promotes cross training of public service tasks to our "front-line" personnel and develops these individuals into more capable and valuable employees. The structure utilizes the Assistant Public Works Director as the head of the Operations Division who is responsible for the planning and scheduling of the Public Works daily operations. The Village Forester, who is responsible for coordinating the Village's parkway tree management and reforestation programs, including the Tree Preservation Ordinance, works in tandem with the Assistant Public Works Director on issues related to Forestry operations. The Village's Professional Engineer is the head of the engineering function and is responsible for overseeing the design and construction of all public works projects. The Assistant Public Works Director, Professional Engineer, and Village Forester all report to the Public Works Director.

The men and women of the Public Works Department perform a variety of tasks to operate and maintain Village infrastructure and support municipal operations. From

preventive maintenance and mechanical repairs to equipment, servicing work requests from residents, routine landscaping and pothole repair, to emergency services and disaster assistance planning, round-the-clock preparedness for snow and ice control operations and development of a geographic information system and other information systems to provide a higher degree of accountability in the management of public assets, the individuals of the department maintain a high state of readiness to provide cost-effective and efficient customer service to the residents of Glen Ellyn. Village assets maintained by the Public Works Department include:

- 86 miles of roadway
- approx. 750 street lights (Village owned)
- approx. 14,500 parkway trees
- approx. 2,800 street signs
- Downtown benches and trash receptacles
- 70 miles of storm sewer mains
- 4,300 storm sewer inlets, basins and manholes
- approx. 1,200 fire hydrants
- 145 miles of water mains
- approx 8,200 water service valves
- 2 one million gallon ground level water reservoirs
- 2 elevated water storage tanks
- 2 water pressure adjusting stations
- 2 water pumping stations
- 85 miles of sanitary sewer mains
- 5 sanitary sewer lift stations
- 2,000 sanitary sewer manholes