

Engineering Department FY 2010 General Fund Budget Overview

Department Overview

The Engineering Department has worked on plan reviews for residential subdivision projects, and limited commercial development and has provided inspection and construction administration for these projects as well. Major development activity continues to be active in the area of the Village west of the interstate I94. Specifically, the Uline Corporation has resulted in significant Engineering activity related to municipal infrastructure in the area. Roadway improvements to the west frontage road and CTH Q are continuing.

Activities also included the final design efforts associated with the facilities needed for the abandonment of the 73-1 and Sewer D Treatment Plants.

The Engineering Department also assists other Village Departments as needed including streets and roadway, utilities, building and inspection, clean water and community development.

Department Activities During the Past 12 Months (2009)

Engineering has implemented (planning, preliminary engineering, design and construction) a number of Village Projects over the past year including:

- Preliminary Planning for Stormwater project for Carol Beach Unit 1;
- Chateau Force Main Construction;
- 73-1 and South Central Lift Stations Design;
- 73-1 Force Main Construction;
- Sewer D Gravity Sewer Final Engineering;
- 80th Street Construction;
- 85th Street Design and Construction;
- 91st Street Repaving and Railroad quiet zone improvements;
- 116th Street Widening and Preliminary Design;
- STH 165 (CTH EZ to CTH ML) Widening and reconstruction design by WisDOT;
- CTH Q Construction;
- West Frontage Road Realignment Design and Construction;
- CDA Property- Loop Rd and infrastructure Construction;
- I94 Tank repainting specifications;
- Lakeview Lift Station Improvements Design;
- Site work for the Olympic Pool project at RecPlex;

Limited development projects were implemented during the year. Engineering was involved in plan review, inspection and overall coordination with the Developer, Developer's Engineer and appropriate agencies. Projects included:

- Elkshire Subdivision – Continuation of review of environmental issues including groundwater study for area;
- Target site improvements;
- STH 50 median roadway improvements;
- Smaller reviews such as Sheridan Rd Self Storage, Bain Station Storage.
- Construction administration and review for existing subdivisions with active Development Agreements (i.e. Whispering Knolls, Creekside Crossing etc.).

Overview for 2010

The current economic recession has stalled the growth of the residential market. Subdivisions that are currently under plan are in a holding pattern and requests for time extensions are frequent.

The commercial market has slowed as well. One exception is the continued progress of the Uline Development west of the Interstate. Isolated development of parcels in the Shoppes of Prairie Ridge is anticipated.

Significant efforts anticipated for the Engineering Department in 2010 include the construction of the gravity sanitary sewer interceptor from the Sewer D Wastewater Treatment Facility to the Lakeview Lift Station. The construction of the Lift Stations for the elimination of the 73-1 Wastewater Treatment Facility will continue.

Anticipated for completion:

- The design of a stormwater system for Carol Beach Unit 1;
- The design for the reconstruction and expansion of 116th Street;
- Major landscaping improvements for right-of-way areas west of the interstate including the West Frontage Rd, CTH Q, a portion of Prairie Springs Pointe;
- The construction of 85th Street Improvements;
- The repaving of Cooper Road between 85th and 93rd Streets;

Several stormwater projects are anticipated to be identified for engineering design throughout the Village.

Continued coordination with the Wisconsin Department of Transportation:

- The expansion of I94 within Pleasant Prairie
- The widening of STH 165 between CTH EZ and ML;

Refinement of criteria and planning for the Village Green center will occur.

The review and operation of the Village's Supervisory Control And Data Acquisition system (SCADA) has been assigned to the Engineering Department. Progress is anticipated in improving the system architecture and reporting capabilities.

Efforts will be initiated to enhance the Engineering Department's webpage. Items will include the development of an engineering submittal guide and a subdivision development construction guide.

Green initiatives will continue to be identified for the Village in conjunction with the Public Works Department including:

- Building of LEED Certified Facilities including the RecPlex pool expansion and Fire Station No. 3;
- Energy efficiency measures in water and wastewater;
- Use of alternative energy sources such as solar and wind for Village's facilities.