

2018 Utility & Street Reconstruction

Public Information Meeting

January 3, 2018 at 6pm, Village Hall Board Room

Meeting Outline

Meeting Purpose

The 2018 Construction Projects have reached 60% complete for our design and we would like to provide residents with information regarding the planned utility and street reconstruction project adjacent to their property. Residents are encouraged to view the exhibits which show the scope of the project and design details. Please feel free to ask questions or share comments and concerns with the Village staff.

Introduction of the Village technical staff:

Laura Braatz – Office Administrative Staff

Tim Paulson – Construction Project Manager/Inspector

Mike Mc Clone, PLS – Surveyor/CAD Designer

Kurt Geiger – Staff Engineer/CAD Designer

Christopher Murawski, P.E. – Village Engineer

Process to Reconstruct Facilities

Many residents have asked what process is used to determine when a street is reconstructed. The Village of Little Chute utilizes Asset Management as a systematic process for maintaining, improving and operating our physical facilities in a cost effective manner.

1. Why do we need asset management?

- Existing infrastructure is ageing
- Increased demand for better roads, bridges, sidewalks, lights and improved sewer & water systems
- Higher standards for safety & health
- Environmental protection concerns
- Regulations
- Economic growth and revitalization

2. What are the benefits of asset management?

- Facilitates the establishment of policy objectives & related measurement of performance
- Avoids problems & potential crisis
- Provides better & consistent levels of service for public
- Reduces life cycle costs
- Allows for better decisions regarding resource allocation
- Reduces risk to municipality
- Allows for more effective financial planning
- Leads to more efficient data management

3. What are the essential components of a good asset management plan?

Asset Value: It must be recognized that all assets have a monetary value. This value is used to determine the depth of re-investment for each asset. By knowing the “value” the type of rehab strategy and optimum replacement time will reduce maintenance costs while improving the Village’s infrastructure.

Life Cycle Management: All assets have a finite life expectancy. Engineering staff tries to estimate the rate of deterioration to provide a decision point when maintenance or reconstruction will be done at any point in the life cycle for the public facilities while considering the remaining asset life, operational costs and other related expenses.

Sustainability: “Meeting the needs of the present generation without compromising the ability of future generations to meet their own needs.” (National Guide to Sustainable Municipal Infrastructure)

Current users pay a fair share for the service they receive so that future users do not have to pay a higher cost for the same level of service.

Risk Assessment: Acceptable risk tolerance for each asset must be part of the strategy and condition surveys are used to determine rate and consequences of failure.

Risk Factors include - financial, environmental, regulatory/legal, public health and safety

Performance Measurement: Monitor strategies regularly while making adjustments at the right stage of the asset’s life cycle to achieve the balance between cost and level of service. Utilize benchmarks to determine performance of assets. (design/construction/active use/demolition)

Evaluations and Considerations

- **Pavement Paser Rating Scale** (from 1-pavement failure to 10-newly constructed)
- **Water main and service laterals** - condition, breaks and leaks, existing material, and safe drinking water
- **Sanitary sewer and service laterals** - condition, existing material, capacity, ground water infiltration or leaking
- **Storm sewer and storm laterals** – condition, capacity, water quality (redirect toward ponds)
- **Economic funding source** – Utility funded, Tax Incremental District (TID), special assessment, Grants, etc.
- **Durability** – with approximately 50 miles of road it is the Villages goal to reconstruct a street with public utilities once in 50 years. The only pavement product to provide this longevity is concrete.
- **Budget** – annual allowance for maintenance and reconstruction
- **Economic Development and Growth**
- **Existing and Future Traffic Demands**
- **Estimated Cost Opinions** – prior to plan development
- **Selection and order of construction** - for 5-year Capital Improvement Projects

2018 Utility and Street Reconstruction Project Information

The utility and street reconstruction are necessary on Daytona, Hayes, and Wilson streets to replace failing infrastructure. The proposed work includes pavement structure, sanitary sewer, storm sewer, water main, curb and gutter, sidewalk, topsoil and grass restoration. The new pavement will be comprised of two 11-foot-wide drive lanes and one 6-foot-wide parking lane. The Downtown Storm Sewer project is to redirect the storm water to a detention pond before entering the Fox River also allowing for redevelopment of the downtown area.

Typical Construction Procedure

Note: Procedure may not always occur in the order listed below.

Terrace Trees: Terrace trees located within the reconstruction are evaluated by the Parks, Recreation and Forestry Director. Trees that are Ash, unsustainable, or conflict with street reconstruction may be trimmed or removed from the terrace. Smaller trees may be temporarily relocated for the duration of the project.

Sanitary Sewer Installation: Install sanitary sewer mains and structures. Temporary connections are made between the new main and existing sanitary laterals.

Water Main Installation: Install water mains, fittings and hydrants. Water service is maintained from a temporary main.

Sanitary Sewer Lateral Installation: Removal of temporary lateral connections. Sanitary Laterals will be replaced as necessary. New laterals are installed by one of the following three options; property owner does the work, property owner hires a private contractor, or property owner gives consent to the Village contractor. The Village contractor will make all attempts to perform pipe bursting.

Water Lateral Installation: New services are installed from the main to the curb stop located near the front of sidewalk. Lead service lines will be required to be replaced to the existing building.

Storm Sewer Installation: Install storm sewer mains and structures.

Storm Sewer Lateral Installation: Install laterals to right-of-way for each property allowing for sump pump hookups. Mini sewer to be retired, existing storm lateral connections are re-established at no charge (provided that it was paid for in the past).

Street Excavation: Removal of remaining pavement, sub base, curb and gutter, terrace grass, sidewalk or any other obstructions.

Sub Base Installation: Install and grade crushed aggregate to function as road base.

Concrete Placement: Installation of street pavement and curb, replacement sidewalk, sidewalk ramps and driveway aprons. Approximately one week of concrete cure time required between placing adjacent concrete items.

Terrace Restoration: Shape terrace areas, install topsoil and seed.

Signage and Pavement Marking Installation: Reinstall traffic control, roadway signs and pavement markings.

Drainage & Sump Pump Water

Engineering staff would like residents with yard drainage concerns to discuss these issues with staff as soon as possible. Street reconstruction may allow for staff to work with property owners to design and provide solutions for ongoing drainage problems. In addition to yard drainage concerns, staff can also provide residents information on sump pump water discharge.

Trash and Recycling Pickup

Residential trash and recycling pickup should not change; however, it may occur at off hours dependent upon construction. Business trash and recycling pickup will be coordinated with the contractor to ensure access throughout the project.

Driveway Restrictions

Driveway access will be temporarily restricted throughout the project. Often this will occur when work is being completed in front of or adjacent to the property. Driveway access will be restored at the end of each construction day whenever possible.

Driveway access will be restricted for an extended period during the construction of the pavement, driveway approach and any driveway sidewalk. Notification will be provided to the residents prior to the closure.

Parking During the Project

Street parking will be limited as required by construction. Residents that choose to park on the project streets are required to move their vehicles prior to the 7am start of construction. Residents are still required to adhere to existing parking restrictions on all the side streets during construction.

Mailboxes and other Right Of Way Accessories

The property owner will be responsible to remove and temporarily relocate their personal property during construction.

Special Needs

If you have any special needs for accessibility or for any other considerations please notify the Village as soon as possible.

Construction Updates

Construction updates and information will be posted on the Village of Little Chute's website under Road Projects. The website link is: www.littlechutewi.org
