

2019 Utility & Street Reconstruction

Public Information Meeting

April 3, 2019 at 6pm, Village Hall Board Room

Meeting Outline

Meeting Purpose

The 2019 Construction Projects have reached 80% complete for design and the engineering staff 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 plans located in entrance area which illustrates 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
Robert Olkiewicz – Construction Project Manager/Inspector
Mike Mc Clone, PLS – Surveyor/CAD Designer
Mark Van Der Wegen, P.E. – 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 residents and businesses
- 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. Public Works and Engineering staff work together 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 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, improve surface water quality
- **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

2019 Utility and Street Reconstruction Project Information

The utility (storm Sewer) and concrete street reconstruction is necessary on West Evergreen Drive to accommodate new development and increased traffic load. The proposed work includes new concrete pavement with integral curb and gutter, storm sewer, and grass restoration areas. The new pavement on West Evergreen Drive will be comprised of two 12-foot-wide drive lanes and one 14-foot-wide common center turning lane.

Asphalt pavement replacement is needed on Park Avenue because it has reached the useful life expectancy of the pavement. Because the utilities are in relatively good condition with curb and gutter requiring only spot repairs it is best to replace the asphalt pavement and not install a 50-year concrete pavement over the ageing infrastructure. With asphalt being approximately half the cost of concrete at approximately half the life cycle, it is economically more feasible to provide a pavement that will last 20 to 25 years to better match with the utilities life cycle before a total reconstruction is necessary. The existing condition of the asphalt pavement has reached a level where maintenance continues to increase without extending the pavement life. A pavement overlay is not an option due to the current condition of the pavement and subbase. To prevent further surface water intrusion and to correct sub-base rutting the pavement will be removed and subbase regraded and compacted prior to placement of granular base material and new asphalt pavement.

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. Only extensions are needed on West Evergreen Drive to relocate future connections beyond the new pavement improvements.

Water Main Installation: Install water mains, fittings and hydrants. Water service is maintained throughout the project. This year, construction will require adjustments to the hydrant nozzle elevations with main line extensions needed on West Evergreen Drive to relocate future connections beyond the new pavement improvements.

Sanitary Sewer Lateral Installation: New service laterals will be provided on West Evergreen Drive for newly created lots and known future street intersections.

Water Lateral Installation: New service laterals will be provided on West Evergreen Drive for newly created lots and known future street intersections.

Storm Sewer Installation: Install storm sewer piping and structures to convey storm water for tributary area for French Pond.

Storm Sewer Lateral Installation: Install storm sewer stubs for private commercial sites for properties tributary to French Pond.

Street Excavation: Removal of pavement and gravel base, grade sub-base material, strip topsoil, 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 with driveway approaches/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.

Construction Concerns

Drainage & Sump Pump Water

Engineering staff would like property owners with drainage concerns on West Evergreen Drive 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. Notification will be provided to the residents and property owners 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. The homeowner must make arrangements with the post office for mail service during construction. The Postmaster may choose to set up temporary boxes, relocate people's existing boxes to a temporary location, or have residents pick up their mail at the post office. The Village has "no say" on this issue. It is the homeowner's responsibility to remove and re-install their mailbox. If not removed by time of construction, the contractor will remove it and place it on your front lawn. The contractor will not be responsible for any damage. Please contact the post office for guidelines on the installation of mailboxes.

Dust and Noise

Street construction is a process during which you can expect to endure a fair amount of noise and dust. We ask for your patience and understanding as we make the necessary improvements to your street. Thank you in advanced for your cooperation.

Public and Private Utilities (water, sewer, phone, cable, etc.)

The Village anticipates no interruptions to your utilities during the street construction. Private utilities, however, such as gas, electric, or phone may have work unrelated to this project scheduled to occur during this same time period.

Hours of Construction

Construction hours are from 7:00 am to 8:00 pm. Some exceptions may occur due to weather conditions or approaching deadlines. There may exist the need for saw cutting of the newly poured street outside of the typical construction hours. The timing of this sawing is critical to preclude random cracking from occurring. We apologize in advance for this inconvenience, but it is necessary to protect the integrity of the newly poured concrete panels.

Project Duration

Depending on the project complexity and weather, it will take approximately 16 weeks to complete the work. There may be times during this period when you will be inconvenienced by construction equipment and delays. We realize this will be an interruption to your normal routine and the Village appreciates your willingness to bear with the process.

West Evergreen Drive Transition

Transition work in lawn areas should be expected by converting from a rural cross-section with ditches to an urban section with curb and gutter. If the property owner requests an easement one can be provided to document the extent of disturbance and the duration of the temporary construction easement. Because this work is considered to be a benefit to the property owner it is the Village's policy that no cost for the easement will be provided to the property owner. If permission to access the property is denied the construction work will end at the property line and the property owner will be required to complete the transition work using the established design elevations at the Right of way.

West Evergreen Drive Private Property within Right Of Way

Please remove any irrigation, landscaping, walls, rocks, electric pet fences, and other items within the right of way you want to preserve during construction. If items are not removed, the Contractor will remove and discard them. Also, contact the Village if those items reside on your property to minimize impacts.

Emergency Services

There should be no impact to emergency services. They are informed daily and instantly if changes in traffic occur. Construction equipment will move out of the way if emergency services are present.

Special Access to Property

Simply call the Village Inspector or Village Engineering Office and arrangements will be made to talk to you about your needs. If something comes up without notice, the Contractors will be informed to help as much as possible to avoid harm to person or property.

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

The Village will use a variety of methods to communicate with you. Public meetings, the postal service, and/or doorstep memos and notices are standard. Once construction has started, bi-weekly updates will be posted on the Village website at www.littlechutewi.org. Of course we are always available by telephone if you should have questions that arise during the project. In the event of an emergency, please dial 911.

What is Next?

- **Contract Documents Preparation**
- **Public Hearing – Park Avenue (Public Involvement)**
- **Bidding and Contractor Selection**
- **Contract Award**
- **Preconstruction Meeting with Contractor**
- **On-site walk through - this meeting is with the Village Engineering Staff and will occur prior to construction and is provided to inform residents of what can be expected during construction work. (Public Involvement)**
- **CONSTRUCTION**

Finally, please try to attend the walk through on-site public informational meeting. This meeting with the Village Engineering Staff will occur prior to construction and is provided to inform residents of what can be expected during construction work.