

City of
SANDWICH, ILLINOIS

City Hall Annex · 128 East Railroad Street

Committee-of-the-Whole Council Meeting
Monday November 7th, 2022

Call to order by Mayor Latham at 7:35pm

Attendance: Mayor Latham, Jim Teckenbrock Deputy City Clerk, Alderman Fritsch, Alderwoman Erickson, Alderwoman Johnson, Alderwoman Killey, Alderman Kreinbrink, Littlebrandt, Robinson and Whitecotton

Absent: City Clerk li

Mayor's Report:

- 1. SCADA Presentation by Timothy Smith TRI-R Communications, Steven Dennison Engineering Enterprises Inc. A full report was given with copy attached to these minutes.**
- 2. Project Updates: 2022 Capital Projects updates by Curt Dettmann, EEI. See Copy attached.**
- 3. Tax Levy Discussion Wes Levy, Lauderbach & Amen. No pension fund info right now. Work with Levy by December 5th and Wes will get info into City. Wes gave a long report and will work on getting all info to City Employees in time to get report done.**

City Clerk's Report: No report per Jim Teckenbrock

City Administrator's Report: Geoff Penman

Working on some info on Rate increase discussion and Water/Sewer Late Charge info as well.

City Departments Reports

EMA Tom Ciciora No Report

Police Department Report: Chief Bianchi

Phones will be moved to new building on November 21st and then move in.

Aldermen Reports

Alderwoman Karsta Erickson No Report

Alderman Bill Fritsch No Report

Alderwoman Rebecca Johnson No Report

Alderwoman Cara Killey No Report

Alderman Fred Kreinbrink Stewart Allen info on prices and parts

Alderman Bill Littlebrandt No Report

Alderman Rich Robinson

Alderman Rick Whitecotton

Audience Comments: No Comments

Rich Robinson made a motion to adjourn seconded by Rebecca Johnson, motion carried.

2022 City of Sandwich Project Summary

culvert
N. L. D. R. D. done
RELOCATED DO
COMED NE
P. L. N. H. E.
WORKING
ON IT

2022 Projects

- Latham Street
 - Construction pushed to 2023 due to ongoing utility relocations
 - The City is working with HLR for status updates.
- MFT projects (HLR coordinated) – construction came in under budget
 - County Line Road milling and resurfacing
 - Fairwinds Blvd intersection paving and sidewalk improvements
 - Sidewalk improvements along the north side of Railroad from Freemont to Latham and ADA ramp improvements at Railroad and Latham
 - Curbed island and ramp improvements at Railroad and Main
 - Two punch list items HLR is coordinating with Universal Paving
 - ADA ramp at NW corner of Railroad and Latham that is holding water
 - SE corner of Railroad and Main does not have ADA access from the stall in front of Prindie's
- Woodbury Elementary School – sidewalk and ramp improvements
 - Sidewalk turned out good
- Griswold Springs Culvert Replacement
 - The reduced scope project will be rebid at the beginning of 2023 to allow local contractors ample time to bid and schedule the work
- Railroad and Main pavement improvements as a result of water main break
 - Pavement grades adjusted along Johnson Floral in preparation for future sidewalk improvements
 - New 2" water service installed from main to existing b-box for Johnson's Floral
 - ADA ramp modifications installed at JC Fitness
 - Curb and sidewalk fixed on east side next to the parking lot entrance
 - Two truckloads of old brick pavers from below the existing pavement were salvaged
- *striping was completed today 11/7*
Pavement Management Program
 - Road analysis data was gathered late summer
 - Data currently being compiled
- Downtown street light investigation
 - Existing wiring is no longer able to be repaired. New wiring and controller is needed.
 - Should have estimates from Volt Electric soon for new wiring and controller

2023 Projects

- Latham Street
- Johnson's Floral sidewalk improvements and coal chute filling
- Pavement Management Program
 - Will need to discuss budget and possible street improvements once rating of all streets and anticipated plan is finished in early 2023
 - Need to coordinate any water, sewer, and sidewalk improvements with road improvements

- Griswold Springs Culvert Replacement
- Downtown Street Light wiring and controller installation
- Pratt Road Bridge – possibly 2023 design and 2024 construction
- Route 34 street light improvements – ongoing IDOT project

Additional Projects

- Main Street from Center to 2nd, initial construction limits on Main Street
- Main Street from Center to Knights (KKCOM contingency list – 6th in Roadways) 2027
- Pleasant Street resurfacing (KKCOM contingency list – 15th in Asset Management) 2027

WATER SYSTEM SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) IMPROVEMENTS

City of Sandwich

November 7, 2022

Existing Water System Overview

SCADA

- Three Wells – Wells 1 and 2 at Railroad St. Water Treatment Plant; Well 3 (Emergency Backup) at Clark St. Water Treatment Plant
- Two Water Treatment Plants (Clark St. and Railroad St.)
- Two Elevated Water Storage Tanks (Green St. and Duvick Ave.)
- General Principles of Operation – Water pressure in system is maintained by water levels in elevated water storage tanks; water levels in tanks are maintained by operation of wells and water treatment plants; water treatment plants produce regulatory-compliant water
- Wells, Water Treatment Plants, and Elevated Water Storage Tanks communicate together and are controlled autonomously with operator (human) backup. The communications and controls are generally identified as the SCADA system.
- The existing SCADA system utilizes telephone (landline) communications between the facilities and Programmable Logic Controllers (PLCs) with inputs/outputs for the controls automation.

Existing SCADA Issues

- Telephone (landline) communications are highly unreliable and antiquated. The technology is becoming increasingly obsolete and difficult to find replacement parts and qualified contractors to repair the equipment.
- Whenever there is a failure in communications, the City Water System Staff must physically investigate and take over manual operations of the system. This has become increasingly commonplace and time-consuming. It also often happens during nights and weekends.
- The PLCs and other components in the control panels are obsolete and no longer manufactured or supported. Replacement parts are difficult/impossible to find.

Potential Communication Options That Have Been Investigated

- Fiber Optic – high speed and reliable, but requires a significant construction cost and subscription (monthly fees) for each site
- Cellular – becoming more reliable, but dependent on cellular carriers/signals in areas of infrastructure; requires subscription (monthly fees) for each site
- Radio – uses dedicated FCC-approved frequency – license renewed every 10 years; reliable with proper sightlines; proven technology that has been used for decades
- Cellular and Radio have lowest capital costs; Radio has lowest long-term costs (license renewal every 10 years is much less expensive than monthly fees for each site)
- Tri-R Systems performed Radio Path Study at each site and determined that radios will be reliable if installed at proper heights at each facility 60' ~ 120'
- City Staff and EEI discussed the options and City Staff prefers Radio for communications

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