

Lake County Illinois

*Lake County Courthouse and Administrative Complex
18 N. County Street
Waukegan, IL 60085-4351*



Agenda Report - Final

Wednesday, November 7, 2018

8:30 AM

Assembly Room, 10th Floor

Public Works and Transportation Committee

1. Call to Order
2. Pledge of Allegiance
3. Approval of Minutes

3.1 [18-1344](#)

Minutes from September 26, 2018.

Attachments: [PWT 9.26.18 Minutes Final](#)

4. Addenda to the Agenda
5. Public Comment
6. Chairman's Remarks
7. Old Business
8. New Business

CONSENT AGENDA (ITEMS 8.1 - 8.4)

PUBLIC WORKS

8.1 [18-1367](#)

Joint resolution authorizing a contract with LAI, Ltd., Rolling Meadows, Illinois, for five electric valve actuators in the amount of \$30,325 for the Des Plaines Water Reclamation Facility (WRF).

- The Des Plaines WRF provides service to portions of Deerfield, Lake Zurich, Lincolnshire, Buffalo Grove, Long Grove, Riverwoods, and Bannockburn. The project will include electrical modifications to critical pumps in the influent and filter buildings improving staff's capability to manage excess flows during storm events.
- An invitation to bid was issued and extended to 19 qualified vendors and sealed bids were received from two non-local vendors in the amount of \$30,325 to \$37,094.92.
- LAI, Ltd. was determined to be the lowest responsive and responsible bidder who best meets the needs of the County in the amount of \$30,325.
- The bid evaluation, vendor selection and final price were determined in full compliance with all applicable state and local laws and County policies.

Attachments: [18-1367 LAI Bid Package.pdf](#)

[18-1367 LAI Bid Award.pdf](#)

DIVISION OF TRANSPORTATION

8.2 [18-1309](#)

Ordinance providing for the establishment of an altered speed zone for 35 miles per hour (MPH), currently designated 40 MPH, on Milton Road, located in Fremont Township in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- Ordinance is required to establish speed zones.
- The necessary speed studies have been undertaken at the request of the Fremont Township Highway Commissioner.

8.3 [18-1390](#)

Joint resolution appropriating \$170,000 of Matching Tax funds for inspection and maintenance of recently planted native landscape areas along various County highways, and designated as Section 19-00000-14-GM.

- The County has planted native landscape areas for various projects on the County highway system that require inspection and maintenance.
- This maintenance will be done by a contractor.
- Before a project letting can be held, an appropriation of \$170,000 of Matching Tax funds is needed.

8.4 [18-1392](#)

Joint resolution appropriating \$50,000 of Motor Fuel Tax funds for the 2019 repair and replacement of various guardrail and fence installations, under the applicable Illinois Highway Code, and designated as Section 19-00000-06-GM.

- The County owns miles of guardrails and fences along the County highway system, and annual repairs and replacements must be made to various installations which are included in the highway improvement program.
- Before the purchase of material or a contract service can be procured, an appropriation of \$50,000 of Motor Fuel Tax funds is required.

REGULAR AGENDA

PUBLIC WORKS

8.5 [18-1366](#)

Joint committee action approving Change Order Number Two for the Vernon Hills Water System Electrical and Mechanical Upgrade Project design scope revisions with Donohue and Associates, Inc., Sheboygan, Wisconsin, in the amount of \$9,450.

- On July 28, 2017 a purchase order was issued to Donohue and Associates, Inc., in the amount of \$130,750, for the preparation of design and bidding documents for Vernon Hills Water System Electrical and Mechanical Upgrade Project.
- The County issued a Statement of Interest (SOI) and consultant services were procured in accordance with the Purchasing Ordinance and the Local Government Professional Services Selection Act.
- Change Order One, in the amount of \$34,515, was approved on May 2, 2018 and addressed unforeseen increases in the scope of design work at the eight individual sites.
- Change Order Number Two increases the scope of the design for two of the eight sites. An existing well house at Hawthorn Tower was originally planned to be repurposed to house electrical panels but a less expensive location was found and the well house is now designated for demolition. The pumping equipment at the Grosse Point facility is being added to the scope. This work was originally part a new reservoir project but the reservoir has since been relocated.
- In accordance with Article 8, section 101(2) of the Lake County Purchasing Ordinance, this change order was not reasonably foreseeable at the time the contract was signed.

- Change Order Number Two is in the amount of \$9,450 increasing the previous contract amount from \$165,265 to \$174,715.

8.6 **18-1377**

Joint committee action approving Change Order Number Three for the Mill Creek Water Reclamation Facility (WRF) clarifier work project contract changes with Fab Tech Wastewater Solutions, LLC, O'Fallon, Missouri, in the amount of \$37,375.

- On May 7, 2018 a purchase order for \$225,000 was issued to Fab Tech Waste Water Solutions, LLC for rehabilitation to extend the service life of the clarifiers.
- Two change orders were issued to address unforeseen conditions in clarifier number one. The work included fabricating a new stainless steel suction header, flushing device and cage repairs.
- Change Order Number Three replaces the influent wells for both clarifiers and fabricates a stainless-steel suction header and repairs the cage of clarifier number two. This equipment was originally intended to be rehabilitated with sand blasting and recoating but the amount of corrosion was found to be extensive, requiring the components to be replaced.
- In accordance with Article 8, section 101(2) of the Lake County Purchasing Ordinance, these change orders were not reasonably foreseeable at the time the contract was signed.
- Change Order Three is in the amount of \$37,375 increasing the previous contract amount from \$242,775 to \$280,150.

Attachments: [18-1377 Mill Creek WRF Clarifier Change Order 3 Site Map-Exhibit A.pdf](#)

[18-1377 Mill Creek WRF Clarifier Change Order 3 Clarifier Photo-Exhibit](#)

8.7 **18-1380**

Joint resolution authorizing a contract with Skalar, Burford, Georgia, for the purchase of a wet chemistry analyzer for Lake County Public Works Laboratory in the amount of \$74,115.

- The Public Works Environmental laboratory currently performs numerous bench chemistry analyses.
- In order to streamline some of these analyses and create efficiency, it is necessary to purchase a wet autoanalyzer for the laboratory.
- Lake County Public Works issued a Request for Proposal (RFP) to identify a qualified firm to provide a wet chemistry autoanalyzer.
- The RFP was extended to 12 vendors and proposals were received from three vendors, containing multiple offers. In accordance with the evaluation criteria established in the RFP, the selection review team reviewed and determined that the proposal submitted by Skalar, Burford, Georgia, is the most qualified and favorable proposal for Lake County.
- Vendor selection and final price were determined in full compliance with all applicable state and local laws and County policies This is a budgeted item and will cost \$74,115.

Attachments: [18-1380 Skalar Lab Flow Analyzer Award.pdf](#)

[18-1380 Skalar Lab Flow Analyzer Bid Tab.pdf](#)

8.8 [18-1368](#)

Joint resolution authorizing the first amendment to the agreement for retail sanitary sewer service between Lake County and the Village of Kildeer to include a property intended for development as a Northwest Community Hospital medical building, but not currently included within the boundaries of the retail service area.

- The County provides retail sanitary sewer service to portions of the Village of Kildeer.
- The property, located on the southeast corner of Cuba Road and Illinois Route 12 in the Village of Kildeer, is intended to be developed for a Northwest Community Hospital medical building, but is not currently included within the boundaries of the current service area.
- The Village has requested to extend the sanitary sewer service area to include the property. The County has reviewed the downstream systems and determined the new flow from this project can be accommodated.
- The County is only obligated to accept sewage from the Northwest Community Hospital medical building which is limited to an estimated population equivalent (P.E) of 70.
- The first amendment to the agreement was approved by the Kildeer Village Board on October 16, 2018.

Attachments: [18-1368 Amendment Kildeer Agreement NCH Medical Building.pdf](#)

[18-1368 Kildeer NCH Medical building Exhibit A.pdf](#)

[18-1368 Kildeer NCH Medical Building Exhibit A-1.pdf](#)

[18-1368 Kildeer NCH Medical Building Exhibit D.pdf](#)

8.9 [18-1410](#)

Presentation of the Fiscal Year (FY) 2017 statements of income and expenses for the County's Northwest System, Northeast Central System, and Southeast Sanitary Sewer Systems.

- An annual audit of the Public Works Department's income and expenses is conducted by an independent auditor.
- RSM US, LLP, was hired by the County to prepare an independent auditor's report on the supplementary information for the County's Northwest System, Northeast Central System, and Southeast Sanitary Sewer Systems for FY 2017 in relation to the Public Works financial statements as a whole.
- The information was subjected to the auditing procedures applied in the audit of the Public Works financial statements and other additional procedures in accordance with generally accepted auditing standards.
- RSM issued an opinion that the information for the year ended November 30, 2017 is fairly stated in all material respects in relation to the financial statements as a whole.
- This audit report provides a review of the financial statements and is presented for informational purposes only. No committee or board action is required.
- A copy of the respective regional audit report will be transmitted to the wholesale contract municipalities for their specific service area.

Attachments: [18-1410 FY2017 PW Northwest Wholesale Sewer System.pdf](#)

[18-1410 FY2017 PW Northeast Central Wholesale Sewer System.pdf](#)

[18-1410 FY2017 PW Southeast Wholesale Sewer System.pdf](#)

8.10 [18-0042](#)

Director's Report - Public Works.

DIVISION OF TRANSPORTATION

8.11 [18-1401](#)

Joint resolution authorizing an agreement with Lake County Partnership for Economic Development (Lake County Partners) pertaining to the implementation of a pilot program and consideration of future capital improvements to allow for enhanced services to the Milwaukee District North Metra line (MD-N) in Lake County, Illinois, appropriating \$100,000 of ¼% Sales Tax for Transportation funds, and designated as Section 18-00999-60-MS

- Local area businesses have indicated there are service gaps in the current Milwaukee District North Metra line (MD-N) service schedule that do not meet the travel needs of their current and prospective employees.
- These employees could use the Telegraph Road Metra Station in Lake Forest if the schedule was enhanced to provide additional services.
- Metra indicated that infrastructure improvements such as installing a universal crossover would be necessary to make the requested schedule enhancements.
- The cost of the infrastructure improvements is estimated to be \$4,750,000.
- Metra indicated that a pilot program consisting of short-term schedule enhancements could be implemented to monitor the impact on ridership and determine if the capital improvements are justified.
- The cost of the pilot program is estimated to be \$700,000 annually.
- Lake County Partners is securing private and public sector funding for a two-year pilot program and future capital improvements.
- This appropriation would provide a \$50,000 per year contribution for each of the two years of the pilot program.

Attachments: [18-1401 Metra MD-N LC LCP Donor Agreement Draft](#)

8.12 [18-1386](#)

Joint resolution authorizing a contract for the replacement of the Traffic Management Center (TMC) video wall controller with Audio Visual Innovations, Inc., Tampa, Florida, in the amount of \$49,572.88.

- The TMC PASSAGE video wall controller, consisting of seven servers, has reached the end of its useful life cycle and needs to be replaced for continued software and security upgrades.
- A cooperative purchasing contract with Audio Visual Innovations, Inc., Tampa, Florida, through General Service Administration (GSA), a competitively solicited and awarded federal procurement program, will be utilized to procure the needed services and equipment.
- Pursuant to Article 10-101 of the Lake County Purchasing Ordinance, Cooperative Purchasing, Lake County may participate in a cooperative purchasing agreement for the procurement of goods with one or more public procurement units in accordance with an agreement entered between the participants.

- This contract includes purchase of the hardware, installation, one year of unlimited phone support, and a one-year warranty at a contract amount of \$49,572.88.

Attachments: [18-1386 Video Wall Controller Proposal Draft](#)

8.13 **18-1313**

Joint resolution appropriating a supplemental amount of \$50,000 of ¼% Sales Tax for Transportation funds for the Ride Lake County West project, and designated as Section 09-00280-01-ES.

- This County Board, at its meeting of November 20, 2012, authorized the execution of a Technical Services agreement with the Regional Transportation Authority (RTA) for the receipt of federal "New Freedom" grant funds and appropriated \$450,000 of ¼% Sales Tax for Transportation funds for the Ride Lake County West project.
- The original appropriation accounted for the County's share of the local match plus the federal grant amount which the County pays and is reimbursed by the RTA.
- Pace's share of the local match is paid directly by Pace and therefore does not count against the County's appropriation.
- The Townships provide local funding towards this service which covers the cost of the public rides and helps offset/extend the grant funds.
- This supplemental appropriation is necessary to account for the additional Township funding and allow the County to pass through payments to Pace for the remainder of this grant.

8.14 **18-1312**

Joint resolution authorizing a contract with Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$3,547,185.68 for the resurfacing, restoration, and rehabilitation (3R) improvement of St. Mary's Road, from Illinois Route 60 to Everett Road, and Everett Road, from St. Mary's Road east to the Lake Forest corporate limits, which will be improved under the Illinois Highway Code for a total of 3.01 miles, appropriating \$3,300,000 of Matching Tax funds, \$1,200,000 of County Bridge Tax funds and \$50,000 of Motor Fuel Tax funds, and designated as Section 15-00117-03-RS.

- St. Mary's Road, from Illinois Route 60 to Everett Road, and Everett Road, from St. Mary's Road east to the Lake Forest corporate limits, needs resurfacing.
- This resurfacing improvement has been identified within the County's pavement management system and is included in the highway improvement program.
- In addition to the resurfacing work, this 3R improvement will include wider shoulder widths, flatter slopes, improved drainage, and installation of bike-friendly shoulders.
- Requested improvements by the Lake County Forest Preserve District are the installation of two box culverts and a pedestrian and bike path along the south side of Everett Road.
- A total of two bids were received, ranging from \$3,547,185.68 to \$3,924,443.57, and the lowest responsible bidder is Peter Baker and Son Company, Lake Bluff, Illinois, with a contract amount of \$3,547,185.68.

Attachments: [18-1312 Bid Tab, St. Mary's Road & Everett Road 3R](#)

8.15 [18-1406](#)

Joint resolution authorizing an agreement with the State of Illinois, Illinois Department of Transportation (IDOT), for the use of federal highway funds for the construction and Phase III construction engineering to reconstruct and improve 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road, and appropriating \$5,490,000 of ¼% Sales Tax for Transportation funds, and designated as Section 99-00260-01-WR.

- 14th Street will be reconstructed and improved, from Illinois Route 131/Green Bay Road to Sheridan Road.
- This improvement will include the reconstruction of the road to three lanes with a shared center turn lane, a new bike path and sidewalk, street lighting, drainage improvements, and installation of a roundabout at 14th Street and Dugdale which will replace the existing four-way stop.
- The County has been allocated federal funds to reconstruct and improve 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road, and IDOT administers all federal highway funds.
- This agreement provides that IDOT will pay up to 80 percent of the construction cost, and the County will be eligible to receive up to 80 percent reimbursement for the construction engineering cost dependent upon the availability of federal funds.
- This improvement is included in the Highway Improvement Program with construction planned to begin in 2019.

Attachments: [18-1406 14th St \(IL 131 to Sheridan\) IDOT Agreement draft](#)

8.16 [18-1407](#)

Joint resolution authorizing an agreement with STV Incorporated, Chicago, Illinois, for Phase III construction engineering services for the reconstruction of 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road, at a maximum cost of \$1,439,434.80, and designated as Section 99-00260-01-WR.

- Lake County selects professional engineering firms in accordance with the Local Government Professional Services Selection Act, 50 ILCS 510/1 et. Seq.
- The Lake County Division of Transportation Consultant Selection Process has been approved by the Federal Highway Administration and the Illinois Department of Transportation, and the firm selected for this project was selected in accordance with this approved process.
- Phase III construction engineering services are required to utilize federal highway funds for the reconstruction of 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road.
- Public notices were published on July 25 and August 1, 2018, and 17 firms submitted Statements of Interest/Qualifications and three short-listed firms were interviewed on September 13, 2018.
- Because of the interviews, the selected, and recommended, firm is STV Incorporated, Chicago, Illinois, at a maximum cost of \$1,439,434.80.
- This improvement will include reconstruction to three lanes with a shared center turn lane, new bike path and sidewalk, street lighting, drainage improvements, and installation of a roundabout at 14th Street and Dugdale which will replace the existing four-way stop.
- This improvement is included in the Highway Improvement Plan and planned for construction to begin in 2019.

Attachments: [18-1407 14th St \(IL 131 to Sheridan\) Phase III Consultant Agreement dr](#)

8.17 [18-1408](#)

Joint resolution authorizing an agreement with the City of Waukegan for the reconstruction of 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road, the jurisdictional transfer of the portion of 14th Street within the municipal limits of the City of Waukegan, from Illinois Route 131/Green Bay Road to Victoria Avenue, from the City of Waukegan to Lake County, and designated as Section 99-00260-01-WR.

- 14th Street will be reconstructed and improved from, Illinois Route 131/Green Bay Road to Sheridan Road.
- This improvement will include reconstruction of the road to three lanes with a shared center turn lane, a new bike path and sidewalk, street lighting, drainage improvements, and installation of a roundabout at 14th Street and Dugdale which will replace the existing four-way stop.
- The City of Waukegan owns a watermain and sanitary sewer within the project limits that requires modification, and desires that the County install a sidewalk, a multi-use path and street lighting as part of the improvement.
- The City of Waukegan will reimburse Lake County for the engineering and construction costs associated with this work, estimated to be \$155,666.61.
- Jurisdiction of the portion of 14th Street, within the municipal limits of Waukegan, from Illinois Route 131/Green Bay Road to Victoria Avenue (just east of Jackson Street), will be transferred from the City of Waukegan to Lake County.

Attachments: [18-1408 14th St \(IL 131 to Sheridan\) Waukegan Agreement draft](#)

8.18 [18-1409](#)

Joint resolution authorizing an agreement with the City of North Chicago for the reconstruction of 14th Street, from Illinois Route 131/Green Bay Road to Sheridan Road, the jurisdictional transfer of the portion of 14th Street within the municipal limits of North Chicago, from Illinois Route 131/Green Bay Road to Victoria Avenue, from the City of North Chicago to Lake County, and designated as Section 99-00260-01-WR.

- 14th Street will be reconstructed and improved, from Illinois Route 131/Green Bay Road to Sheridan Road.
- This improvement will include reconstruction of the road to three lanes with a shared center turn lane, a new bike path and sidewalk, street lighting, drainage improvements, and installation of a roundabout at 14th Street and Dugdale which will replace the existing four-way stop.
- The City of North Chicago owns a watermain and sanitary sewer within the project limits that requires modification, and desires that the County install a sidewalk, a multi-use path and street lighting as part of the improvement.
- The City of North Chicago will reimburse Lake County for the engineering and construction costs associated with this work, estimated to be \$474,144.06.
- Jurisdiction of the portion of 14th Street, within the municipal limits of North Chicago, from Illinois Route 131/Green Bay Road to Victoria Avenue (just east of Jackson Street), will be transferred from the City of North Chicago to Lake County.
- The City of North Chicago will retain permitting and maintenance authority over 14th Street, from Jackson Street to Sheridan Road.

Attachments: [18-1409 14th St \(IL 131 to Sheridan\) North Chicgao Agreement draft](#)

8.19 [18-0014](#)

Director's Report - Transportation.

9. **Executive Session**

10. **County Administrator's Report**

10.1 [18-1405](#)

Update regarding application to Chicago Metropolitan Agency for Planning/Regional Transit Authority (CMAP/RTA) Community Planning Program for technical assistance in developing a potential transit focus in Lake County's five-year community development and housing plan.

10.2 [18-1331](#)

Update on the Draft Fiscal Year 2019 Legislative Agenda.

Attachments: [Draft 2019 Legislative Program AHLC 11.7.18](#)

11. **Members' Remarks**

12. **Adjournment**

Next Meeting: TO BE DETERMINED