

Lake County Illinois

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



Agenda Report - Final

Wednesday, January 11, 2017

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 [17-0075](#)
Minutes from October 5, 2016.
- 3.2 [17-0078](#)
Executive Session minutes from October 5, 2016.
4. Added to Agenda
5. Public Comment
6. Chairman's Remarks
7. Old Business
8. New Business

Attachments: [PWT 10.5.16 Minutes - Final](#)

PUBLIC WORKS

- 8.1 [17-0033](#)
Joint resolution authorizing a contract with IHC Construction Companies LLC, of Elgin, Illinois, in the amount of \$2,358,726 for the East Main Pump Station Project.
 - The East Main Pump Station, was originally constructed in 1980. Located in the Northwest sewer system, the pump station is one of the County's largest wastewater pump stations with an average daily flow of four million gallons per day. It accepts flow from Round Lake, Round Lake Beach, Round Lake Heights, Round Lake Park, Hainesville, Lake Villa and Lakes Region Sanitary District and transmits it to the Northwest Regional Water Reclamation Facility in Fox Lake.
 - This project will include the replacement of pumps, electrical and motor control equipment, upgrades to energy efficient lighting, HVAC and roof replacement.
 - An invitation to bid was extended to 10 vendors and sealed bids were received from three local and three non-local contractors ranging from a total of \$2,374,200 to \$2,596,000.
 - IHC Construction Companies LLC, of Elgin, Illinois was determined to be the lowest responsive and responsible bidder who best meets the needs of the County in the amount of \$2,358,726.
- 8.2 [17-0032](#)
Joint resolution authorizing execution of an agreement with Christopher B. Burke Engineering, Ltd., of Rosemont, Illinois, in the amount of \$145,974 for construction engineering services for the East Main Pump Station Project.

Attachments: [17-0033 IHC East Main PS Bid Tab.pdf](#)

- The East Main Pump Station is a major wastewater pumping facility and a key component of the northwest sanitary sewer collection system. It has been in continuous service for over 35 years.
- Major mechanical and electrical equipment at the facility (pumps, motor control center, valves, and electrical systems) will be replaced and upgraded to ensure future, continuous safe operation.
- Engineering construction services are needed for review of shop drawings, field inspections and to resolve field conditions with the general contractor to ensure that proper replacements, repairs and upgrades are performed in compliance with the plans and specifications.
- Lake County has a prior satisfactory relationship with Christopher B. Burke, Ltd., of Rosemont, Illinois and these services are in accordance with the Purchasing Ordinance and the Local Government Professional Services Selection Act.

Attachments: [17-0032 Burke East Main PS Agreement.pdf](#)

8.3 [17-0031](#)

Joint resolution authorizing execution of a professional services agreement with RJN Group, Inc., of Wheaton, Illinois, in the amount of \$190,753 for engineering services for the 2017 Infiltration and Inflow Reduction Program.

- The purpose of this project is to install, maintain and operate sanitary sewer flow monitoring stations in portions of the Northwest, Northeast Central and Southeast Lake Sewer Systems, and to perform sewer inspections in areas with known Infiltration and Inflow, as identified by a previous flow monitoring project.
- The County provides wholesale sanitary sewer service, by contract, to several municipalities including Round Lake, Round Lake Park, Round Lake Beach, Round Lake Heights, Hainesville, Fox Lake, Lake Villa, Gurnee, Grayslake, Third Lake, Kildeer, Lake Zurich, Hawthorn Woods, Long Grove, Deerfield, Buffalo Grove, Riverwoods, Lincolnshire and unincorporated portions of northwestern, northeast central and southeastern Lake County.
- The data collected will be used in developing engineering solutions to reduce wet weather infiltration and inflow into the sanitary sewer systems.
- Lake County has a prior satisfactory relationship with RJN Group, Inc., for work of similar nature on County projects and these services are in accordance with the Purchasing Ordinance and the Local Government Professional Services Selection Act.

Attachments: [17-0031 2017 I&I Reduction Program RJN Engineering Service Agreeeme](#)

8.4 [17-0014](#)

Joint resolution reducing the County Diamond/Sylvan Lake sewer connection fee from \$9,110 to \$4,555 per residential customer equivalent (RCE) for the Transitional Care of Lake County (TCLC), also known as Transitional Care of Mundelein, facility.

- TCLC is proposing to construct a 185-unit skilled nursing facility in Mundelein, Illinois, which will replace the current Winchester House operation.
- The new TCLC Mundelein facility will be located within Lake County's Diamond/Sylvan Lake sewer service area, which due to its residential area, has a connection fee rate of \$9,110 per residential customer equivalent (RCE).
- As the County Board knows, Winchester House is a Medicaid facility with very low margins and it is expected that the replacement facility in Mundelein will also have a

significant number of Medicaid clients.

- Based on a fee reduction request and a desire to support the replacement of the Winchester House operation, it is proposed that the sewer connection fee rate for the TLC facility be lowered from \$9,110 to \$4,555 per RCE, a 50 percent reduction.
- Even with the proposed 50 percent reduction, the Mundelein Winchester House replacement facility will still be paying over 25 percent more for a sewer connection fee than that of the highest fee recently paid, for a similar use, in a Lake County sewer service area.
- This resolution reduces the Lake County sewer connection fee, to be imposed upon the TLC Winchester House replacement facility, from \$9,110 to \$4,555 per RCE.
- The proposed sewer connection fee reduction, if approved, will result in an approximate sanitary sewer connection fee of \$417,182.50.

8.5 [17-0060](#)

Director's Report - Public Works.

DIVISION OF TRANSPORTATION

8.6 [17-0020](#)

Joint resolution appropriating \$715,000 of Matching Tax funds for annual bituminous maintenance of various roads and bike paths on the County highway system, and designated as Section 17-00000-13-GM.

- 2017 Bituminous Maintenance: Appropriation.
- Each year, the County undertakes maintenance of its bituminous highway pavements, shoulders, and bike path pavements to preserve the surface quality.
- Before a project letting can be held, an appropriation of \$715,000 of Matching Tax funds is necessary.

8.7 [17-0021](#)

Joint resolution appropriating \$300,000 of Matching Tax funds to provide for crack sealing of bituminous and concrete pavement, where necessary, on various County highways, and designated as Section 17-00000-04-GM.

- 2017 Crack Sealing: Appropriation.
- Each year, crack sealing is done to County highways to prevent the intrusion of water and incompressible material into the cracks and to reinforce the adjacent pavement.
- Before a project letting can be held, an appropriation of \$300,000 of Matching Tax funds is necessary.

8.8 [17-0022](#)

Joint resolution appropriating \$50,000 of Motor Fuel Tax funds for the 2017 repair and replacement of various guardrail and fence installations, and designated as Section 17-00000-06-GM.

- 2017 Guardrail and Fence Maintenance: Appropriation.
- The County owns miles of guardrails and fences along the County highway system, and annual repairs and replacements must be made to various installations.
- Before the purchase of material or a contract service can be procured, an appropriation of \$50,000 of Motor Fuel Tax funds is required.

8.9 [17-0023](#)

Joint resolution appropriating \$50,000 of Matching Tax funds for landscape inspection and

maintenance, including trees and shrubs, along various County highways, and designated as Section 17-00000-17-GM.

- 2017 Landscape Maintenance: Appropriation.
- The County maintains the landscape, including trees and shrubs, on various projects on the County highway system that require inspection and maintenance.
- This inspection and maintenance will be done by a contractor.
- Before quotes can be received, an appropriation of \$50,000 of Matching Tax funds is needed.

8.10 [17-0024](#)

Joint resolution appropriating \$110,000 of Matching Tax funds for inspection and maintenance of recently planted native landscape areas along various County highways, and designated as Section 17-00000-14-GM.

- 2017 Native Landscape Maintenance: Appropriation.
- 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 \$110,000 of Matching Tax funds is needed.

8.11 [17-0050](#)

Joint resolution authorizing a cooperative purchasing contract with K-Tech Specialty Coating, Inc., of Ashley, Indiana, for liquid calcium and magnesium chloride deicer/anti-icer with sugar beet molasses based corrosion inhibitor solution for use during the 2017 snow and ice season, appropriating \$120,000 of Matching Tax funds, and designated as Section 17-00000-19-GM.

- 2017 Snow and Ice Control Deicing Liquid: Appropriation.
- Lake County Division of Transportation (LCDOT) will be using liquid calcium and magnesium chloride deicer/anti-icer with sugar beet molasses based corrosion inhibitor solution during the 2017 snow and ice season.
- 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 into between the participants.
- Staff has identified a joint purchasing opportunity through a recently awarded contract by Warren Township Highway Department with K-Tech Specialty Coating, Inc., of Ashley, Indiana, for the procurement of liquid calcium and magnesium chloride deicer/anti-icer with sugar beet molasses based corrosion inhibitor solution.
- The cooperative purchasing contract with K-Tech Specialty Coating, Inc., of Ashley, Indiana, is a unit price contract with LCDOT.
- This resolution appropriates \$120,000 of Matching Tax funds for fiscal year 2017.

8.12 [17-0041](#)

Joint resolution authorizing a contract with Peter Baker & Son Company of Lake Bluff, Illinois, in the amount of \$660,712.24, for the patching/resurfacing of Lewis Avenue, from 14th Street to Belvidere Street, and designated as Section 16-00082-08-RS.

- Lewis Avenue Resurfacing, 14th Street to Belvidere Street: Contract Award.
- Lewis Avenue, from 14th Street to Belvidere Street, is in need of patching/resurfacing.
- This patching/resurfacing improvement has been identified within the County's

pavement management system, and is included in the 2017 highway improvement program.

- A total of two bids were received, ranging from \$660,712.24 to \$836,274.26, and the lowest responsible bidder is Peter Baker & Son Company of Lake Bluff, Illinois, in the amount of \$660,712.24.

Attachments: [17-0041 Bid Tab - Lewis Ave Resurfacing, 14th Street to Belvidere.pdf](#)

8.13 [17-0046](#)

Joint resolution authorizing a contract with Alliance Contractors, Inc., of Woodstock, Illinois, in the amount of \$4,354,706.29, for the resurfacing of Lewis Avenue, from Wadsworth Road to 20th Street, replacing the traffic signals at 27th and 33rd Streets, for the section designated as Section 16-00089-08-RS.

- [Lewis Avenue Resurfacing, Wadsworth Road to 20th Street: Contract Award.](#)
- Lewis Avenue, from Wadsworth Road to 20th Street, is in need of resurfacing, curb and gutter replacement, and replacing traffic signals at 27th and 33rd Streets.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the 2017 highway improvement program.
- A total of two bids were received, ranging from \$4,354,706.29 to \$4,766,277.66, and the lowest responsible bidder is Alliance Contractors, Inc., of Woodstock, Illinois, in the amount of \$4,354,706.29.

Attachments: [17-0046 Bid Tab - Lewis Ave Resurfacing, Wadsworth Rd to 20th St..pd](#)

8.14 [17-0034](#)

Joint resolution authorizing an agreement with Hampton, Lenzini & Renwick, Inc., of Elgin, Illinois, at a maximum cost of \$52,302.38, for Phase II design engineering services to install conduit and fiber optic along US Route 45 and along Hawley Street in Mundelein to connect additional traffic signals and Pan-Tilt-Zoom (PTZ) cameras to the Lake County PASSAGE system, appropriating \$65,000 of ¼% Sales Tax for Transportation funds, and designated as Section 17-00268-16-TL.

- [2017 PASSAGE Field Elements Design: Consultant Agreement and Appropriation.](#)
- The Phase II design engineering services will install conduit and fiber optic along US Route 45 and along Hawley Street in Mundelein to connect additional traffic signals and PTZ cameras to the Lake County PASSAGE system.
- A consulting engineering firm will be utilized to provide Phase II design engineering services for this improvement.
- In accordance with the Local Government Professional Services Selection Act, the selected and recommended consultant is Hampton, Lenzini & Renwick, Inc., of Elgin, Illinois, at a maximum cost of services of \$52,302.38.
- The resolution also appropriates \$65,000 of ¼% Sales Tax for Transportation funds for these engineering services.

Attachments: [17-0034 PASSAGE Field Elements Agreement Draft.pdf](#)

[17-0034 PASSAGE Field Elements HLR Scope and Hours 12-19-16.pdf](#)

8.15 [17-0054](#)

Joint resolution appropriating \$6,440,000 of ¼% Sales Tax for Transportation funds for

the acquisition of necessary right-of-way, by agreement or condemnation, and other right-of-way costs associated with the Weiland Road Reconstruction, from Lake Cook Road to Aptakisic Road, and designated as Section 14-00158-11-WR.

- Weiland Road Reconstruction, Right-of-Way Acquisition: Appropriation with Condemnation Authority.
- Preliminary plans and specifications for this improvement have been prepared.
- Before right-of-way acquisitions can proceed, authority for appropriation and condemnation is necessary.
- An appropriation of \$6,440,000 of ¼% Sales Tax for Transportation funds is required.

8.16 [17-0057](#)

Joint resolution appropriating \$390,000 of ¼% Sales Tax for Transportation funds for the advance acquisition of a parcel necessary for right-of-way, by agreement, and other advance right-of-way costs associated with the intersection improvement of Fremont Center Road, at Illinois Route 60, and designated as Section 12-00138-02-CH.

- Fremont Center Road Intersection Improvement, at Illinois Route 60, Advance Right-of-Way Acquisition: Appropriation.
- Preliminary plans and specifications for this improvement have been prepared.
- Property for right-of-way is needed from the parcel identified as PIN #10-16-200-002, and an advance agreement has been reached.
- An appropriation of \$390,000 of ¼% Sales Tax for Transportation funds is necessary for this parcel and other advance right-of-way costs.

8.17 [17-0053](#)

Joint resolution appropriating a supplemental amount of \$1,000,000 of ¼% Sales Tax for Transportation funds for the acquisition of necessary right-of-way, by agreement or condemnation, and other right-of-way costs associated with the Rollins Road Gateway Improvement at the intersections of Illinois Route 83/Rollins Road/Hainesville Road, and designated as Section 08-00080-56-BR.

- Rollins Road Gateway Improvement, Right-of-Way Acquisition: Supplemental Appropriation with Condemnation Authority.
- The improvement of the intersections of Illinois Route 83/Rollins Road/Hainesville Road, which includes construction of a grade separation of the Canadian National Railroad (CNRR), is a chosen project for the transportation challenge bond program.
- Before right-of-way acquisitions can continue, a supplemental appropriation is necessary.
- The County Board, at its meeting of April 12, 2016, approved a supplemental appropriation of \$600,000 for the right-of-way acquisition, and associated costs, based upon the extension of the acquisition process.
- The County Board, at its meeting of August 11, 2015, approved a supplemental appropriation of \$450,000 for the right-of-way acquisition, and associated costs, based upon the extension of the acquisition process.
- The County Board, at its meeting of July 9, 2013, approved a supplemental appropriation of \$1,000,000 for the right-of-way acquisition, and associated costs, based on the preliminary plans.
- The County Board, at its meeting on August 14, 2012, approved the appropriation of \$4,144,000 for the right-of-way acquisition, and associated costs, based on the appraisals.

- The County Board, at its meeting on May 8, 2012, approved the appropriation of \$5,606,000 for the right-of-way acquisition, and associated costs, based on preliminary plans and specifications.
- An additional supplemental appropriation of \$1,000,000 of ¼% Sales Tax for Transportation funds is required, based upon the extension of the acquisition process.

8.18 [17-0052](#)

Joint resolution authorizing an agreement with the City of Park City to install and maintain the landscape median on Greenleaf Street, north of Illinois Route 120, and designated as Section 15-00184-04-RS.

- [Greenleaf Street, North of Illinois Route 120: City of Park City Agreement.](#)
- Greenleaf Street will be improved by resurfacing, along with landscape enhancements to the existing median, from Washington Street to Illinois Route 120.
- The City of Park City will install and maintain landscape materials in the existing median.
- This resolution authorizes an agreement with the City of Park City to install and maintain the landscape enhancement of the median on Greenleaf Street, north of Illinois Route 120.
- The agreement was approved by the City of Park City on January 5, 2017.

Attachments: [17-0052 Greenleaf Street Median Improvement Park City Agreement Dr](#)

8.19 [17-0055](#)

Joint resolution authorizing an agreement with the Village of Grayslake for the installation of an aesthetic bridge railing treatment within the project limits for the Washington Street Grade Separation, from Haryan Way to Lake Street, and designated as Sections 11-00121-11-BR.

- [Washington Street, from Haryan Way to Lake Street: Village of Grayslake Agreement.](#)
- Washington Street, from Haryan Way to Lake Street, will be improved by widening and constructing a grade separation under the Canadian National Railway.
- As part of these improvements, the Village of Grayslake and Lake County desire to install an aesthetic bridge railing treatment.
- The County will reimburse the Village of Grayslake \$100,000 towards the cost of the installation of the aesthetic bridge railing treatment.
- The County, at its meeting of August 12, 2014, approved an appropriation of \$8,420,000 of ¼% Sales Tax for Transportation funds for the Washington Street Grade Separation project.

Attachments: [17-0055 Washington Street Village of Graylake Agreement Draft.pdf](#)

8.20 [17-0048](#)

Joint resolution authorizing an amendment to the Village of Buffalo Grove Transportation Agreement for Weiland Road.

- [Weiland Road: Village of Buffalo Grove Transportation Agreement Amendment.](#)
- The County Board, at its meeting of June 13, 1995, approved the Transportation Agreement with the Village of Buffalo Grove for Weiland Road.
- An amendment is needed to allow the jurisdictional transfer of Weiland Road, from Aptakisic Road to Lake Cook Road, to the Village of Buffalo Grove.
- The amendment also allows for the future jurisdictional transfer of Weiland Road, from

Lake Cook Road to the county line, from Lake County to Cook County.

- The Village of Buffalo Grove approved this amendment at its December 19, 2016 board meeting.

Attachments: [17-0048 Weiland Road Village of Buffalo Grove Agreement Amendment](#)

[17-0048 Weiland Road Village of Buffalo Grove Agreement Original 199](#)

8.21 [17-0019](#)

Joint resolution approving Change Order Number Three consisting of an increase of \$31,674.95, appropriating a supplemental amount of \$20,000 of Motor Fuel Tax funds for additions to the 2016 Concrete Patching Construction contract, and designated as Section 16-00000-10-GM,

- 2016 Concrete Pavement Patching: Change Order No.3 and Supplemental Appropriation.
- Each year, the Division of Transportation undertakes patching of its concrete pavements to preserve surface quality, including repairing damaged manholes, catch basins, curbs and gutters.
- The 2016 concrete pavement patching is under contract with A Lamp Concrete Contractors, Inc., of Schaumburg, Illinois, in the amount of \$97,931.
- Additional locations requiring concrete pavement patching were identified after the contract was awarded.
- Change orders need to be approved by the standing committees for cumulative net increases over 10 percent.
- The original appropriation of \$120,000 of Motor Fuel Tax funds needs to be supplemented by \$20,000 to cover Change Order Number Three in the amount of \$31,674.95.

8.22 [17-0026](#)

Joint resolution approving Change Order Number One consisting of an increase of \$170,108.25, appropriating a supplemental amount of \$70,000 of ¼% Sales Tax for Transportation funds for Phase II design engineering services for the roadway reconstruction of Cedar Lake Road, from Illinois Route 120 to Nippersink Road, and designated as Section 08-00065-02-RS.

- Cedar Lake Road, Illinois Route 120 to Nippersink Road; Phase II: Change Order No. 1 and Supplemental Appropriation.
- Cedar Lake Road, from Illinois Route 120 to Nippersink Road, needs to be reconstructed and widened.
- Cedar Lake Road, from Illinois Route 120 to Nippersink Road, Phase II design engineering is under contract with Crawford, Murphy & Tilley, Inc., of Aurora, Illinois, in the amount of \$543,160.20.
- Additional engineering services are needed, to the original scope of work, including additional coordination with the Lake County Forest Preserve, work related to the St. Joseph's Church site, south end path design/culvert modifications, and staging associated with the main culvert replacement.
- Change orders need to be approved by the standing committees for cumulative net increases over 10 percent.
- This Lake County Board, at its meeting of May 12, 2015, approved \$655,000 of ¼% Sales Tax for Transportation funds for these design engineering services.

- This resolution appropriates a supplemental amount of \$70,000 of ¼% Sales Tax for Transportation funds to cover Change Order Number One in the amount of \$170,108.25.

8.23 **17-0016**

Ordinance providing for the establishment of an altered speed zone for 30 miles per hours (M.P.H.), currently designated 40 M.P.H, on Bradley Road, located in Libertyville Township in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- Township Speed Zone Ordinance: Bradley Road in Libertyville Township.
- An ordinance is required to establish speed zones.
- The necessary speed studies have been undertaken.
- This speed study was requested by the Libertyville Township Highway Commissioner.

8.24 **17-0015**

Ordinance providing for the establishment of a County altered speed zone of 40 miles per hour (M.P.H.), currently designated 55 M.P.H on Deerfield Parkway, County Highway 11, from Illinois Route 83 to Illinois Route 21/US Route 45, located in Vernon Township, in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- County Speed Zone Ordinance: Deerfield Parkway, County Highway 11, in Vernon Township.
- An ordinance is required to establish speed zones.
- The necessary speed studies have been undertaken.
- Study completed based on Traffic Department review.

8.25 **17-0058**

Joint resolution authorizing two agreements with Pace Suburban Bus Division of the Regional Transportation Authority (RTA) providing terms and conditions for the year of 2017, by which Pace will coordinate operations of, and partially fund, the "Ride Lake County" West and "Ride Lake County" Central Coordinated Transportation Services for the expansion of paratransit services to meet the needs of the mobility challenged constituent populations in the Townships of Antioch, Avon, Fremont, Grant, Lake Villa, Libertyville, Shields and Wauconda, also the Villages of Libertyville and Mundelein, and designated as Sections 09-00280-01-ES and 16-00280-04-ES.

- "Ride Lake County" West and Central Coordinated Transportation Services in the Townships of Antioch, Avon, Fremont, Grant, Lake Villa, Libertyville, Shields and Wauconda, also the Villages of Libertyville and Mundelein: Pace Suburban Bus Service 2017 Intergovernmental and Subsidy Agreements.
- Beginning in 2009, Lake County entered into yearly agreements with Pace for paratransit services, in support of the Lake County Coordinated Transportation Services Committee (LCCTSC).
- The County has two agreements with Pace: a subsidy agreement that expired December 31, 2016, and an amended existing intergovernmental agreement that expires on January 31, 2017.
- The two new agreements are for Pace to operate paratransit services for the "Ride Lake County" West Service (previously Lake County Northwest Demonstration Project) and the "Ride Lake County" Central Service and for Pace to reimburse the County a portion of the grant's local match for the "Ride Lake County" West Service and a

portion of service costs for "Ride Lake County" Central Service in 2017.

- Pace will provide 25 percent of the local match to the grant funds, up to \$100,000, for "Ride Lake County" West Service and \$5,959 for the "Ride Lake County" Central Service.
- This resolution authorizes the two new agreements and has a termination date of December 31, 2017.

Attachments: [17-0058_PACE Agreement Draft.pdf](#)

[17-0058_PACE Subsidy Agreement Draft.pdf](#)

8.26 [17-0029](#)

Director's Report - Transportation

9. Executive Session

9.1 [17-0062](#)

Executive Session to discuss imminent litigation pursuant to 5 ILCS 120/2(c)11.

10. County Administrator's Report

10.1 [17-0067](#)

Discussion regarding adding a Consent Agenda to the Public Works and Transportation Committee agendas.

11. Members' Remarks

12. Adjournment