

Lake County Illinois

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



Agenda Report - Final

Wednesday, June 7, 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 [17-0664](#)

Minutes from May 3, 2017.

Attachments: [PWT 5.3.17 Minutes Final](#)

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

CONSENT AGENDA

PUBLIC WORKS

8.1 [17-0616](#)

Joint resolution authorizing a contract with Water Well Solutions, Elburn, Illinois, for well pump maintenance and repair services for Lake County Public Works in the estimated annual amount of \$59,675, with renewal options.

- Lake County owns and operates five public water systems that utilize well water as their source water supply. These five well systems contain 43 total wells.
- The well pumps and associated equipment require preventative maintenance and repair that necessitate the services of a contractor specialized in well repair.
- The Contractor shall be responsible for mobilization/demobilization, well sounding, pump extraction, installation, and testing. The bid price includes all labor, parts, equipment costs, portal-to-portal transportation charges, and all other charges of every kind and nature.
- An invitation to bid was issued and extended to 12 vendors and sealed bids were received from two vendors ranging from \$59,675 to \$92,580.
- Water Well Solutions, Elburn, Illinois, was determined to be the lowest responsive and responsible bidder who best meets the needs of the County in the estimated annual amount of \$59,675 based on a per unit price.

Attachments: [17107 Award Recommendation](#)
[17107 Bid Tab](#)

DIVISION OF TRANSPORTATION

8.2 [17-0629](#)

Joint resolution authorizing a contract with Maintenance Coatings, South Elgin, Illinois, in the amount of \$207,024 for the removal and replacement of reflective pavement markers with recessed pavement markers at various locations on the County highway system, and designated as Section 17-00000-12-GM.

- [2017 Pavement Marker Replacement Program: Contract Award.](#)
- The County has raised and recessed reflective pavement markers delineating medians and lane lines throughout the County highway system.
- The Lake County Division of Transportation undertakes the removal and replacement, where necessary, of these reflective pavement markers.
- This project will replace raised reflective pavement markers with recessed pavement markers at various locations on the County highway system.
- This project is included in the highway improvement program.
- A total of five bids were received, ranging from \$207,024 to \$442,442.42 and the lowest responsible bidder is Maintenance Coatings, South Elgin, Illinois, in the amount of \$207,024.

Attachments: [17-0629 Bid Tab, 2017 Pavement Marker Replacement Program.pdf](#)

8.3 [17-0631](#)

Joint resolution authorizing a contract with Superior Road Striping, Inc., Melrose Park, Illinois, in the amount of \$560,818.11 for the removal, replacement or refurbishment of pavement markings on the bituminous and concrete pavements of various County highways, which will be improved under the Illinois Highway Code for a total of 42.72 centerline miles, and designated as Section 17-00000-15-GM.

- [2017 Pavement Markings for Bituminous and Concrete Pavements: Contract Award.](#)
- The Lake County Division of Transportation (LCDOT) participated in the County's joint procurement process for the removal, replacement or refurbishment of pavement markings on the bituminous and concrete pavements.
- The Villages of Buffalo Grove and Wheeling participated in the joint process.
- The County has miles of pavement markings for medians, lane lines, and cross walks on bituminous and concrete pavements.
- The thermoplastic and polyurea markings last longer than paint, but eventually require replacement.
- This project is included in the highway improvement program.
- A total of six bids were received, ranging from \$560,818.11 to \$1,076,341.65 and the lowest responsible bidder is Superior Road Striping, Inc., Melrose Park, Illinois, in the amount of \$560,818.11.

Attachments: [17-0631 Bid Tab, 2017 Pavement Markings.pdf](#)

REGULAR AGENDA

PUBLIC WORKS

8.4 [17-0615](#)

Joint resolution authorizing a contract with Atlas Copco CTS, Elk Grove Village, Illinois, to procure a total responsibility service plan for the Department of Public Works in the amount of \$36,432.02.

- The Department of Public Works had two high efficiency blowers installed at the Des Plaines River Water Reclamation Facility in 2012.
- As part of the installation, energy costs related to the blowers were reduced approximately 30 percent while the units are in operation.
- The warranty on these units has expired and an ongoing service and maintenance plan is needed.
- The Department of Public Works budgeted for the service and maintenance plan as part of their fiscal year 2017 budget.
- The total responsibility service plan will provide a preventative maintenance plan including two maintenance visits per year, a full warranty, priority service, overhaul services, breakdown labor, parts, lubricants, travel and mileage.
- Pursuant to Article 6, Section 102, the Purchasing Agent convened an ad hoc review group that approved bid exemption on the basis there is only one source for the required services.
- This resolution authorizes the execution of the agreement with Atlas Copco CTS, Elk Grove Village, Illinois, for the purchase of a total responsibility service plan in the amount of \$36,432.02, with four one-year renewals.

Attachments: [Atlas Recommendation](#)

8.5 [17-0617](#)

Joint resolution authorizing a contract with Itron, Inc., Liberty Lake, Washington, to procure automated meter reading (AMR) hosting services in the amount of \$54,436.68.

- The Department of Public Works issued a bid in 2013 for the replacement of approximately 20,000 water meters and the installation of an automated meter reading system.
- As part of that project, the contractor, PMI Inc., installed software, supplied by Itron, Inc., that interfaces with the meter reading data from the water meters to the County's utility billing software.
- The original contract with PMI, Inc. included hosting services, supplied by Itron, Inc., in which they maintain the interface software and maintain and operate the data servers that save and store the meter reading data.
- Pursuant to Article 6, Section 102, the Purchasing Agent convened an ad hoc review group that approved bid exemption on the basis that there is only one source for the required services.
- This resolution authorizes the execution of the agreement with Itron, Inc., Liberty Lake, Washington, for the procurement of automated meter reading (AMR) hosting services in the amount of \$54,436.68, with five one-year renewals.

Attachments: [Itron Recommendation](#)

8.6 [17-0670](#)

Presentation of the fiscal year (FY) 2016 audit for the Public Works Enterprise Fund.

- An annual audit of the Public Works Department's Enterprise Fund is conducted as a separate audit from County Corporate Fund, with revenues and expenses audited relative to water and sewer activities.
- Baker Tilly Virchow Krause, LLP was hired by the County to conduct the Public Works' Enterprise audit and has prepared a financial statements' report in addition to a Management's Discussion and Analysis for years ending 2015 and 2016.
- Audit highlights and a review of the FY 2016 financial statements will be provided by Ms. Jodi Dobson, CPA, Partner of Baker Tilly Virchow Krause, LLP.

8.7 [17-0060](#)

Director's Report - Public Works.

DIVISION OF TRANSPORTATION

8.8 [17-0618](#)

Joint resolution authorizing a contract with Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$656,450.26 for the resurfacing of 9th Street, from Lewis Avenue to Illinois Route 137, which will be improved under the Illinois Highway Code for a total of 1.51 miles, and designated as Section 16-00111-10-RS.

- 9th Street Resurfacing: Contract Award.
- 9th Street needs resurfacing, from Lewis Avenue to Illinois Route 137.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the highway improvement program.
- A total of two bids were received, ranging from \$656,450.26 to \$658,480.71 and the lowest responsible bidder is Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$656,450.26.

Attachments: [17-0618 Bid Tab, 9th Street Resurfacing.pdf](#)

8.9 [17-0619](#)

Joint resolution authorizing a contract with Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$1,315,517 for the resurfacing of Hunt Club Road, from Washington Street to Dada Drive, and designated as Section 17-00095-18-RS.

- Hunt Club Road Resurfacing: Contract Award.
- Hunt Club Road needs resurfacing, from Washington Street to Dada Drive.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the highway improvement program.
- A total of two bids were received, ranging from \$1,315,517 to \$1,543,738.75 and the lowest responsible bidder is Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$1,315,517.

Attachments: [17-0619 Bid Tab, Hunt Club Road Resurfacing.pdf](#)

8.10 [17-0621](#)

Joint resolution authorizing a contract with Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$768,687.28 for the resurfacing of Saunders Road, from Lake

Cook Road to Deerfield Road, and designated as Section 17-00141-06-RS.

- Saunders Road Resurfacing: Contract Award.
- Saunders Road needs resurfacing, from Lake Cook Road to Deerfield Road.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the highway improvement program.
- A total of four bids were received, ranging from \$768,687.28 to \$1,039,304.33 and the lowest responsible bidder is Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$768,687.28.

Attachments: [17-0621, Bid Tab Saunders Road Resurfacing.pdf](#)

8.11 [17-0627](#)

Joint resolution authorizing a contract with Payne & Dolan, Inc., Antioch, Illinois, in the amount of \$703,969.89 for the resurfacing of York House Road, from Illinois Route 131 to Lewis Avenue, which will be improved under the Illinois Highway Code for a total of 1.14 miles, and designated as Section 17-00143-14-RS.

- York House Road Resurfacing: Contract Award.
- York House Road needs resurfacing, from Illinois Route 131 to Lewis Avenue.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the highway improvement program.
- A total of two bids were received, ranging from \$703,969.89 to \$789,467.00, and the lowest responsible bidder is Payne & Dolan, Inc., Antioch, Illinois, in the amount of \$703,969.89.

Attachments: [17-0627 Bid Tab, York House Road Resurfacing.pdf](#)

8.12 [17-0628](#)

Joint resolution authorizing a contract with Norvilla, LLC, Broadview, Illinois, in the amount of \$228,304.39 for the replacement of two culverts under Fairfield Road, and designated as Section 15-00999-06-DR.

- 2016 Culvert Replacement: Contract Award.
- Three culverts need to be replaced under Fairfield Road and Deep Lake Road and preliminary plans and specifications for these improvements have been prepared.
- These culverts are included in the highway improvement program.
- The Deep Lake Road culvert will be replaced by the Lake County Division of Transportation's day labor crews.
- A total of six bids were received, ranging from \$228,304.39 to \$310,348.78, and the lowest responsible bidder is Norvilla, LLC, Broadview, Illinois, in the amount of \$228,304.39 for the replacement of two culverts under Fairfield Road.

Attachments: [17-0628 Bid Tab, 2016 Culvert Replacement.pdf](#)

8.13 [17-0638](#)

Joint resolution appropriating \$600,000 of ¼% Sales Tax for Transportation funds for the purchase and installation of Intelligent Transportation System (ITS) Passage Field Elements for 2017, along various routes in Lake County, and designated as Section 17-00268-16-TL.

- Intelligent Transportation System (ITS) Passage Field Elements 2017: Appropriation.

- The ITS Passage Field Elements 2017 includes installation of communication infrastructure (fiber and conduit or wireless equipment), and pan-tilt-zoom cameras at various locations, and is included in the highway improvement program.
- Before a project letting can be held, an appropriation of \$600,000 of ¼% Sales Tax for Transportation funds is necessary.

8.14 [17-0641](#)

Joint resolution authorizing an agreement with Sam Schwartz Engineering, Itasca, Illinois, for Phase II design engineering services for traffic signal optimization studies on Lewis Avenue, from Sunset Avenue to Illinois Route 173, at a cost of \$39,190, appropriating \$50,000 of ¼% Sales Tax for Transportation funds, and designated as Section 17-00999-30-TL.

- [Lewis Avenue 2017 Signal Coordination: Consultant Agreement and Appropriation.](#)
- The consultant will be tasked with traffic signal optimization studies on Lewis Avenue, from Sunset Avenue to Illinois Route 173, and this project is included in the highway improvement program.
- Lake County has selected Sam Schwartz Engineering, Itasca, Illinois, under the Local Government Professional Services Selection Act, for these engineering services.

Attachments: [17-0641 Lewis Avenue Signal Coordination Consultant Agreement and](#)

8.15 [17-0642](#)

Joint resolution appropriating \$850,000 of the 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 proposed widening and reconstruction of Buffalo Grove Road, from Deerfield Parkway to Illinois Route 22, and designated as Section 11-00249-03-WR.

- [Buffalo Grove Road, Deerfield Parkway to Illinois Route 22, Widening and Reconstruction, Right-of-Way Acquisition: Appropriation.](#)
- Preliminary plans and specifications for this improvement have been prepared.
- To initiate right-of-way acquisitions, an appropriation of \$850,000 of ¼% Sales Tax for Transportation funds is necessary.

8.16 [17-0646](#)

Joint resolution authorizing an agreement for consulting services with Victor S. Teglassi, Scarsdale, New York, at a cost of \$87,750 for five years of maintenance, support, training and ongoing development of the newly upgraded Capital Program Management System (CPMS), appropriating \$110,000 of ¼% Sales Tax for Transportation funds for these services, and designated as Section 17-00000-21-EG.

- [CPMS Consultant Agreement and Appropriation.](#)
- The Lake County Division of Transportation (LCDOT) is a licensed user of CPMS since 1990.
- CPMS is extensively used for a combined source of data in managing key documents, including: the County's five-year transportation improvement program, budget submittals to the County Administrator, the County's annual highway program, Illinois Department of Transportation (IDOT) Motor Fuel Tax (MFT) reports, and the LCDOT bonding program.
- CPMS has been updated to Structured Query Language (SQL) and the continuance of maintenance, support, training and ongoing development is needed for the next five

- years and is included in the highway improvement program.
- Victor S. Teglassi of Scarsdale, New York, is the developer and sole proprietor of the CPMS software.

Attachments: [17-0646 CPMS Support Agreement Draft.pdf](#)

8.17 [17-0645](#)

Joint resolution authorizing the disposal of excess property located along Oak Spring Road in Libertyville, Illinois, via a quitclaim deed to the Lake County Forest Preserve District.

- [Dispose of Excess Property Located along Oak Spring Road in Libertyville, Illinois.](#)
- Lake County owns two parcels of property, approximately 1.612 acres total, zoned residential in the Des Plaines River channel along Oak Spring Road in Libertyville, Illinois.
- These excess parcels were acquired in 1966 and are not needed for current or future transportation improvements by the Lake County Division of Transportation.

Attachments: [17-0645 Old Spring Road Legal Description.pdf](#)

8.18 [17-0648](#)

Joint resolution authorizing the execution of the first amendment to the agreement between the Lake County Forest Preserve District (LCFPD) and Lake County for the Deerfield Road Path, from Thornmeadow Road westward to connect with the existing Des Plaines River Trail, and designated as Section 04-00038-03-BT.

- [Deerfield Road Path LCFPD: Agreement Amendment.](#)
- Lake County approved an agreement on December 9, 2009, with the LCFPD stating terms and conditions to transfer right-of-way, a temporary easement and construction of a path along the south side of Deerfield Road, from Thornmeadow Road westward to connect with the existing Des Plaines River Trail.
- An amendment to the agreement has been requested by the LCFPD to allow equestrian use of the Deerfield Road path, from Thornmeadow Road to the Des Plaines River Trail, and stating the terms and conditions for routine maintenance to be provided by the LCFPD.

Attachments: [17-0648 Deerfield Road Path LCFPD Amendment Draft.pdf](#)

8.19 [17-0654](#)

Ordinance regulating the use of the path along Deerfield Road, County Highway 11, from the Lake County Forest Preserve District's (LCFPD) Des Plaines River Trail to Thornmeadow Road.

- [Deerfield Road Bike Path Use Restriction Ordinance.](#)
- The County constructed a path along the south side of Deerfield Road, County Highway 11, from Thornmeadow Road westward, to connect with the existing Des Plaines River Trail.
- To regulate the use of this path for the safety and convenience of the public, a Use Restriction Ordinance is necessary.
- The Forest Preserve has requested that equestrian use of the path along Deerfield Road, County Highway 11, be allowed from the LCFPD Des Plaines River Trail to Thornmeadow Road.

- This County Board, at its meeting of December 8, 2009, approved an agreement with the LCFPD for the Deerfield Road Path construction with a first amendment to the agreement currently proposed, providing for LCFPD routine maintenance of the path to allow equestrian use.

Attachments: [17-0654 Deerfield Road Path Appendix A](#)

8.20 [17-0649](#)

Joint committee action item approving Change Order Number Two, consisting of an increase of \$11,684.35, 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 Consultant Agreement: Change Order Number Two.
- Change Orders need to be approved by the standing committees for cumulative net increases over 10 percent.
- Cedar Lake Road, from Illinois Route 120 to Nippersink Road, Phase II design engineering is under contract with Crawford, Murphy & Tilley, Inc., Aurora, Illinois, in the amount of \$543,160.20.
- Change Order Number Two, in the amount of \$11,684.35, is due to additional engineering performed for the Lake County Forest Preserve District (LCFPD) site, including additional design, project schedule considerations, LCFPD seeding specification revisions, coordination and reviews by LCFPD and preparation of temporary license agreement exhibits.
- Change Order Number One, approved in January 2017, in the amount of \$170,108.25 was for additional engineering services needed to the original scope of work, including additional coordination with the LCFPD, work related to the St. Joseph's Church site, south end path design/culvert modifications, and staging associated with the main culvert replacement.

Attachments: [17-0649 Cedar Lake Road Change Order No 2.pdf](#)

8.21 [17-0657](#)

Joint resolution clarifying the language required by the Illinois Department of Transportation (IDOT) for adding Hawley Street from Midlothian Road to Seymour Avenue to the County highway system as County Highway 70 and creating a municipal extension of County Highway 70/Hawley Street from Seymour Avenue to Illinois Route 176.

- Hawley Street: Jurisdictional Transfer and Municipal Extension of County Highway 70.
- This County Board at its meeting of April 14, 2015 approved an agreement with the Village of Mundelein and a resolution for the jurisdictional transfer of Hawley Street from Midlothian Road to Seymour Avenue in its entirety, from the Village of Mundelein to Lake County and to create a municipal extension of County Highway 70 from Seymour Avenue to Illinois Route 176, to be effective upon completion of the improvement to Hawley Street and approval by IDOT.
- In May of 2015, LCDOT commenced construction of the Hawley Street improvement project.
- Construction of the Hawley Street improvement project is nearing completion and staff has reached out to IDOT to file the appropriate paperwork for the jurisdictional transfer

and municipal extension of Hawley Street/County Highway 70.

- IDOT is requesting clarification of the language for the jurisdictional transfer and the creation of the municipal extension of County Highway 70.
- IDOT approval is required for the jurisdictional transfer and the municipal extension of Hawley Street.

Attachments: [17-0657 Hawley Street Exhibit A.pdf](#)

8.22 [17-0651](#)

Joint resolution amending the jurisdictional transfer limits of Deerfield Road, adding Deerfield Road to the County highway system, creating a municipal extension of County Highway 11/Deerfield Road, and clarifying the language required by the Illinois Department of Transportation (IDOT) for the jurisdictional transfer and municipal extension of Deerfield Road.

- [Deerfield Road: Jurisdictional Transfer and Municipal Extension of County Highway 11](#).
- This County Board, at its meeting of October 12, 2015, approved an agreement with the Village of Deerfield and a resolution for the jurisdictional transfer of Deerfield Road, from the Metra Milwaukee District North Line viaduct to the Village of Deerfield's east corporate limit in its entirety, from the Village of Deerfield to Lake County and to create a municipal extension of County Highway 11, from Wilmot Road to the east side of the Metra Milwaukee District North Line viaduct, to be effective upon completion of the improvement of Deerfield Road and approval by IDOT.
- In December of 2015, the Village of Deerfield commenced construction of the Deerfield Road improvement project.
- Construction of the Deerfield Road improvement project is nearing completion and staff has reached out to IDOT to file the appropriate paperwork for the jurisdictional transfer and municipal extension of Deerfield Road/County Highway 11.
- IDOT, after additional coordination, has requested a revision to the proposed jurisdictional transfer limits for Deerfield Road.
- The revised jurisdictional transfer limits of Deerfield Road are proposed to be from Robert York Avenue easterly to the eastern corporate limit of the Village of Deerfield.
- IDOT is also requesting clarification of the language in the County resolution for the jurisdictional transfer and the creation of the municipal extension of County Highway 11.
- IDOT approval is required for the jurisdictional transfer and municipal extension of Deerfield Road.

Attachments: [17-0651 Deerfield Road JT Map Exhibit A.pdf](#)

[17-0651 Deerfield Road Extension Map Exhibit B.pdf](#)

8.23 [17-0604](#)

Presentation and Endorsement of the Draft Five Year Program.

Attachments: [Five Year Plan - DOT 6.7.17 Presentation](#)

8.24 [17-0029](#)

Director's Report - Transportation.

- 9. Executive Session**
- 10. County Administrator's Report**
- 11. Members' Remarks**
- 12. Adjournment**

Next Meeting: June 28, 2017