

# Lake County Illinois

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



## **Agenda Report - Final**

**Wednesday, October 2, 2013**

**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 [13-1024](#)

Minutes from August 28, 2013.

**Attachments:** [PWT Minutes 8.28.13 Final.pdf](#)

3.2 [13-1085](#)

Executive Session minutes from August 28, 2013.

4. Added to Agenda
5. Public Comment
6. Old Business
7. New Business

**PUBLIC WORKS**

7.1 [13-1011](#)

Resolution authorizing the County Board Chair and County Clerk to execute a Vacation and Release of Utility Easement in the Village of Vernon Hills.

- The Village of Vernon Hills has requested that the County vacate a water distribution and utility easement in the Vernon Hills Subdivision at 290 Evergreen Road, which is the Village Hall property to accommodate the installation of a cell tower.
- The existing easements that were dedicated as part of Village Ordinance 307 from 1979 contain no active public utilities, and are no longer necessary and may be vacated.
- A Vacation and Release of Easement document has been prepared that identifies the existing water distribution and utility easements that are to be vacated.
- This resolution authorizes and directs the County Board Chair and the County Clerk to execute the Vacation and Release of Utility Easement document.

**Attachments:** [13-1011 VH Release of Utility Easement Document](#)

[13-1011 VH Easement Release Map](#)

7.2 [13-1036](#)

Joint resolution authorizing a professional services agreement with RJN Group, Inc. in the amount of \$120,000 for engineering services for the Southeast Lake FPA Smoke Testing Project.

- The Des Plaines River Water Reclamation Facility (WRF) and Southeast Interceptor Sewer serve the Villages of Bannockburn, Buffalo Grove, Deerfield, Hawthorn Woods, Lake Zurich, Lincolnshire, Long Grove, Riverwoods and unincorporated portions of southern Lake County.
- After a quality based selection process, RJN Group was awarded a contract to install and

monitor sixteen flow monitoring stations within Lake County's Southeast Lake Facilities Planning Area (FPA) for the purpose of identifying and quantifying infiltration and inflow sources within the subareas.

- As a result of the flow monitoring, high storm water inflow rates have been identified in three sub areas: Forest Lake, Long Grove north of Route 22, and Long Grove south of Route 22.
- To identify inflow sources, the best available technology is to smoke test the sanitary sewers.
- Smoke testing is a specialized service that RJN Group, Inc. can perform.
- As a result of RJN's work on the system and their successful work on other sewer projects, it is recommended a professional services agreement be authorized.
- This resolution authorizes and directs the County Purchasing Agent to execute an Agreement for Professional Services with RJN Group, Inc. of Wheaton, IL in the amount of \$120,000 for this work.

**Attachments:** [13-1036 SE FPA Smoke Test RJN Engineering Contract.pdf](#)

### 7.3 [13-1054](#)

Joint resolution authorizing a professional services agreement with RJN Group, Inc. in the amount of \$282,704 for engineering services for the Northwest Lake Sewer System Assessment Project.

- The purpose of this project is to install thirteen permanent sanitary flow monitoring stations in the Northwest Lake Sewer System.
- The Northwest Lake Sewer System serves the villages of Round Lake, Round Lake Park, Round Lake Beach, Round Lake Heights, Hainesville, Fox Lake, Lake Villa, and unincorporated portions of northwestern Lake County.
- The data collected will be used in developing engineering solutions to reduce wet weather flow infiltration into the system.
- Services are required from a professional engineering firm and there exists a long standing, successful relationship with RJN Group, Inc. for work of similar nature on County projects, and the knowledge gained through this relationship adds value integral to the services provided.
- This resolution authorizes and directs the County Purchasing Agent to execute an Agreement for Professional Services with RJN Group, Inc. of Wheaton, IL in the amount of \$282,704 for this work.

**Attachments:** [13-1054 RJN NW Sewer Flow Monitor Agreement.pdf](#)

### 7.4 [13-1078](#)

Joint committee action approving Change Order No. 6 for the Diamond Lake Acorn Lane Lift Station Improvements Project.

- Change orders that exceed 10 percent of the original contract amount must be reviewed and approved by the Public Works & Transportation and Finance & Administrative Committees.
- These change orders are associated with construction work on the Diamond Lake Lift Station Improvements Project performed by Joseph J. Henderson & Sons, Inc.
- Part of this project required installation of a new wet well liner at the Acorn Lane Lift Station.
- After the wet well was taken out of service, it was determined that the structure had significant infiltration and concrete damage that was not visible during design and

bidding.

- A completely different liner system is now required to address these issues, adding cost to the project in the amount of \$63,888.49 under Change Order No. 6.
- Under previously approved change orders, radio telemetry towers were added to the project to provide more reliable data transfer than provided by telephone lines, and piping changes were required to address actual field conditions.
- Change Order No. 6, along with previously approved Change Orders Nos. 1-5 increases the amount of the original contract by \$140,394.79 or 18 percent from \$769,000 to \$909,394.79.

**Attachments:** [13-1078 Acorn Lane LS Change Order #6.pdf](#)

**7.5**     **13-1007**

Joint resolution providing notice to the municipalities within the Southeast Central Facilities Planning Area of an adjustment in the Lake County wholesale sewer rates for wastewater services provided by the Village of Libertyville.

- Under the terms of the agreement between the County and the Village of Libertyville, there is a provision for the Village to adjust wastewater treatment plant charges to the County when there is a rate adjustment for Village users.
- The Village of Libertyville increased the sewer rate charged to the County by \$2.08 per Residential Customer Equivalent (RCE) from \$24.80 per RCE to \$26.88 per RCE.
- The Libertyville sewer increase will affect the Village of Green Oaks.
- The Green Oaks sewer rate will increase from \$30.72 to \$32.80 per RCE.
- This resolution provides notice to user municipalities in the service area of the Village of Libertyville of the wholesale sewer user fee increase, which is effective October 1, 2013.

**Attachments:** [13-1007 Wholesale Rate Schedule Attachment.pdf](#)

**7.6**     **13-1012**

Report on the FY2011 and FY2012 statements of income and expenses for the County's three regional wastewater systems.

- An annual review of the Public Works Department's income and expenses is conducted by an independent accountant to provide a report on the County's three regional sanitary systems, as required under certain wholesale contract agreements.
- Baker Tilly Virchow Krause, LLP, was hired by the County to prepare an independent accountants' report for the County's Northwest System, Northeast Central System, and Southeast Sanitary Sewer Systems for FY2011 and FY2012.
- The report provides a review of the financial statements and will be presented by Mr. John Andres, Partner with Baker Tilly.
- A copy of the respective regional statement will be transmitted to the wholesale contract municipalities for their specific service area, including: the Village of Fox Lake, Lake Villa, Round Lake, Round Lake Beach, Round Lake Park, Round Lake Heights, Lakes Region Sanitary District, Hainesville, Grayslake, Gurnee, Waukegan, Lake Zurich, Kildeer, Buffalo Grove, Lincolnshire, and Utilities, Inc.

**Attachments:** [13-1012 Regional NEC Financial Report](#)

[13-1012 Regional NW Financial Report](#)

[13-1012 Regional SE Financial Report](#)

7.7 [12-1231](#)

Director's Report - Public Works.

7.8 [13-1079](#)

Update regarding Lake Michigan water.

**DIVISION OF TRANSPORTATION**

7.9 [13-1053](#)

Ordinance authorizing and providing for the issuance of \$30,000,000 General Obligation Bonds, Sales Tax Alternate Revenue Source, Series 2013, of Lake County, Illinois, prescribing all the details of said bonds and providing for the imposition of taxes to pay the same, and for the collection, segregation and distribution of certain sales taxes received by the County.

- [Lake County General Obligation Bonds, Series 2013: Bond Ordinance.](#)
- Lake County is issuing \$30,000,000 in general obligation bonds to provide road improvements to public roads within the County.
- This ordinance establishes the terms, provisions and limitations of the bond sale and authorizes the issuance of \$30,000,000, Series 2013 Bonds.
- The bond sale is scheduled to occur on November 6, 2013, at which time designated officials are authorized to approve the sale. A report will be presented to the County Board at the November 12, 2013 board meeting summarizing the bond sale results.

**Attachments:** [13-1053 Series 2013 Bonds Parameters Ordinance Draft](#)

[13-1053 Series 2013 Bonds Parameters Ordinance Exhibit A Draft](#)

[13-1053 Series 2013 Bonds Parameters Ordinance Exhibit B Draft](#)

7.10 [13-1045](#)

Joint resolution authorizing an agreement with the Village of Libertyville for construction of compensatory flood storage and reconstruction of Butler Lake Park's parking lot for the Winchester Road improvement, and designated as Section 10-00151-22-CH.

- [Winchester Road and County Access Road: Village of Libertyville Agreement.](#)
- Winchester Road will be improved at the west County campus access road.
- This improvement will include adding left turn lanes east bound into the west County access road and west bound into Butler Lake Park, and a barrier median at the Metra tracks.
- This improvement will also require the construction of compensatory flood storage and reconstruction of Butler Lake Park's parking lot.
- This resolution authorizes the execution of an agreement with the Village of Libertyville for the construction of compensatory flood storage and reconstruction of Butler Lake Park's parking lot.

**Attachments:** [13-1045 Winchester Road and County Access Road Village of Libertyville](#)

7.11 [13-1046](#)

Joint resolution authorizing an agreement with the Commuter Rail Division of the Regional Transportation Authority (Metra), Chicago, Illinois, providing the terms and

conditions for the Winchester Road improvement at the railroad crossing, and designated as Section 10-00151-22-CH.

- Winchester Road and County Access Road: Metra Construction Agreement.
- Winchester Road will be improved at the west County campus access road.
- This improvement will include adding left turn lanes east bound into the west County access road and west bound into Butler Lake Park, and a barrier median at the Metra tracks.
- This improvement will also require Metra to perform work at the railroad crossing at an estimated cost of \$458,730.
- Lake County will reimburse Metra for the cost of this work.
- This resolution authorizes the execution of an agreement for the railroad crossing work and the reimbursement to Metra.
- The appropriation for these funds is included in the Winchester Road improvement construction appropriation.

**Attachments:** [13-1046 Winchester Road Metra Agreement Draft](#)

**7.12** [13-1047](#)

Joint resolution authorizing an agreement with the Commuter Rail Division of the Regional Transportation Authority (Metra), Chicago, Illinois, providing the terms and conditions by which said Metra will grant an easement necessary for the Winchester Road improvement, and designated as Section 10-00151-22-CH.

- Winchester Road and County Access Road: Metra Easement Agreement.
- Winchester Road will be improved at the west County campus access road.
- This improvement will include adding left turn lanes east bound at the west County access road and west bound into Butler Lake Park, and a barrier median at the Metra tracks.
- This improvement will also require acquisition of an easement from Metra at the cost to prepare of \$1,500.
- This resolution authorizes the execution of an agreement for the acquisition of the necessary easement from Metra.
- The appropriation for these funds is included in the Winchester Road improvement construction appropriation.

**Attachments:** [13-1047 Winchester Rd Metra Easement Agreement Draft](#)

**7.13** [13-1044](#)

Joint resolution authorizing the appropriation of \$2,365,000 of Motor Fuel Tax funds for the Winchester Road improvement, including adding left turn lanes east bound into the west County access road and west bound into Butler Lake Park, a barrier median at the Metra tracks, acquisition of an easement from Metra, and reimbursement to Metra for a new rubber crossing at the railroad tracks, and designated as Section 10-00151-22-CH.

- Winchester Road and County Access Road: Construction Appropriation.
- Winchester Road will be improved at the County campus access road.
- This improvement will include adding left turn lanes east bound into the west County access road and east bound at the Butler Lake Park entrance, as well as a barrier median at the Metra tracks with the estimated cost being \$1,500,946.

- This improvement will also require acquisition of an easement from Metra at a cost of \$1,500 and reimbursement of an estimated amount of \$458,730 to Metra for the installation of a new rubber crossing at the railroad tracks.
- Before a construction letting can be held, an appropriation of \$2,365,000 of Motor Fuel Tax funds is required.

7.14 [13-1086](#)

Joint resolution appropriating \$1,750,000 of Matching Tax funds and \$350,000 of County Bridge Tax funds for the resurfacing of Fairfield Road, from Illinois Route 60 to 1,100 feet north of Gossell Road, and designated as Section 13-00113-18-RS.

- [Fairfield Road Resurfacing: Appropriation.](#)
- Fairfield Road is in need of resurfacing.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the 2013 highway improvement program.
- Before a project letting can be held, an appropriation of \$1,750,000 of Matching Tax funds and \$350,000 of County Bridge Tax funds is necessary.

7.15 [13-1087](#)

Joint resolution appropriating \$3,130,000 of Matching Tax funds and \$430,000 of County Bridge Tax funds for the resurfacing of O'Plaine Road, from Washington Street to Illinois Route 137, and designated as Section 13-00109-08-RS.

- [O'Plaine Road Resurfacing: Appropriation.](#)
- O'Plaine Road is in need of resurfacing.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the 2013 highway improvement program.
- Before a project letting can be held, an appropriation of \$3,130,000 of Matching Tax funds and \$430,000 of County Bridge Tax funds is necessary.

7.16 [13-1088](#)

Joint resolution appropriating \$2,125,000 of Matching Tax funds and \$375,000 of County Bridge Tax funds for the resurfacing of Riverwoods Road, from Illinois Route 60 to Illinois Route 22, and designated as Section 13-00136-09-RS.

- [Riverwoods Road Resurfacing: Appropriation.](#)
- Riverwoods Road is in need of resurfacing.
- This resurfacing improvement has been identified within the County's pavement management system, and is included in the 2013 highway improvement program.
- Before a project letting can be held, an appropriation of \$2,125,000 of Matching Tax funds and \$375,000 of County Bridge Tax funds is necessary.

7.17 [13-1050](#)

Joint resolution approving a lease agreement with William McNeill, 21408 W. Rollins Road, Lake Villa, Illinois, in the amount of \$360 for farming 3.6 acres of County owned land beginning March 31, 2013, and ending December 1, 2013, located in the Washington Street Thoroughfare right-of-way, and designated as Section 11-00121-11-BR.

- [Washington Street Thoroughfare Improvement: Farm Lease Agreement.](#)
- The Washington Street Thoroughfare improvement is in the right-of-way acquisition phase.
- 3.6 acres of farm land, located on the property acquired by the County and in the

Washington Street Thoroughfare improvement right-of-way, is farmed by William McNeill, 21408 W. Rollins Road, Lake Villa, Illinois.

- This resolution is approving a lease agreement with William McNeill, 21408 W. Rollins Road, Lake Villa, Illinois, for one crop year beginning March 31, 2013, and ending December 1, 2013, in the amount of \$360.

**Attachments:** [13-1050 Washington Street Thoroughfare Imp., Farm Lease Agreement](#)

**7.18** [13-1052](#)

Joint resolution authorizing a contract with H & H Electric Company, Franklin Park, Illinois, in the amount of \$451,733 for traffic signal interconnects to Lake County PASSAGE, along various routes in Lake County, and designated as Section 13-00268-12-TL.

- [Intelligent Transportation System \(ITS\) Passage Field Elements 2013: Contract Award.](#)
- The ITS Passage Field Elements 2013 includes installation of communication infrastructure (approximately 11,000 feet of fiber and conduit and up to five wireless links), replace eight traffic signal controllers, and add up to 17 pan-tilt zoom cameras.
- A total of four bids were received, ranging from \$451,733 to 621,468.34, and the lowest responsible bidder is H & H Electric Company, Franklin Park, Illinois, with a contract amount of \$451,733.

**Attachments:** [13-1052 Bid Tabulation ITS Passage Field Elements 2013](#)

**7.19** [13-1051](#)

Joint resolution authorizing a contract for the installation of new steel pile retaining walls at three locations along Fairfield Road, from approximately 1750 feet north of Illinois Route 60 (the south project limits) to approximately 900 feet south of Townline Road (the north project limits), to Illinois Constructors Corporation, Elburn, Illinois, in the amount of \$1,107,126.80, and designated as Section 13-00000-07-GM.

- [2014 Retaining Wall Maintenance: Contract Award.](#)
- The replacement of these retaining walls is included in the FY2014 program.
- A total of five bids were received ranging from \$1,107,126.80 to \$1,676,335 and the lowest responsible bidder is Illinois Constructors Corporation, Elburn, Illinois, with a contract amount of \$1,107,126.80.

**Attachments:** [13-1051 Bid Tabulation 2014 Retaining Wall Maintenance](#)

**7.20** [13-1077](#)

Joint resolution authorizing a contract with Pieper Electric, Kenosha, Wisconsin, in the amount of \$40,012 for the replacement of the existing 400 amp, 480 volt grounded "B" electrical service with a 400 amp 277/480 volt electric service at building E located at the Division of Transportation in Libertyville, Illinois.

- [Division of Transportation, Building E Electrical Service Work: Contract Award.](#)
- The Division of Transportation needs to replace electric service at building E.
- This project will be paid from the Division of Transportation's operating budget.
- A total of three bids were received, ranging from \$40,012 to \$69,513, and the lowest responsible bidder is Pieper Electric of Kenosha, Wisconsin, in the amount of \$40,012.



**Attachments:** [13-1077 DOT Building E Electrical Service Contract Award BidTab](#)

**7.21** [13-1042](#)

Joint resolution authorizing an agreement with Sam Schwartz Engineering, Hoffman Estates, Illinois, for Phase II design engineering services for traffic signal timing model for all traffic signals in Lake County, at a maximum cost of \$99,999.24, appropriating \$110,000 of Motor Fuel Tax funds, and designated as Section 13-00999-49-TL.

- [2013 Signal Coordination Network Model: Consultant Agreement and Appropriation.](#)
- The consultant will be tasked with studying and re-optimizing traffic signals assigned along Lake County highway traffic signal corridors.
- The consultant is estimated to study four corridors, with approximately 10-15 signals per corridor.
- Lake County has selected Sam Schwartz Engineering, Hoffman Estates, Illinois, under the Local Government Professional Services Selection Act, for these engineering services.
- This resolution authorizes the execution of a professional services agreement with Sam Schwartz Engineering, Hoffman Estates, Illinois, for design engineering services, at a maximum cost of \$99,999.24, and appropriates \$110,000 of Motor Fuel Tax funds for that purpose.

**Attachments:** [13-1042 2013 Signal Coordination Network model Consultant Agreeemer](#)

**7.22** [13-1049](#)

Joint resolution appropriating a supplemental amount of \$12,000 of Matching Tax funds to provide for FY 2013 acquisition of materials and services needed to maintain drainage and bridge facilities, pavements, shoulders, guardrails, fencing, and right-of-way, and designated as Section 13-00000-03-GM.

- [FY 2013 Miscellaneous Maintenance Materials and Services: Supplemental Appropriation.](#)
- Before materials can be ordered, or work can be done using the Matching Tax fund, a project appropriation is needed.
- This County Board, at its meeting of November 20, 2012, appropriated \$30,000 of County Bridge Tax funds and \$30,000 of Matching Tax funds for FY 2013 acquisition of materials and services needed to maintain drainage and bridge facilities, pavements, shoulders, guardrails, fencing, and right-of-way on the County highway system.
- This resolution appropriates a supplemental amount of \$12,000 of Matching Tax funds for miscellaneous maintenance work in FY 2013.

**7.23** [13-1060](#)

Joint resolution appropriating \$30,000 of Matching Tax funds to provide a safety enhancement of the North Shore Bike Path at Butterfield Road, and designated as Section 13-00000-19-GM.

- [Road Enhancements 2013: Appropriation.](#)
- A safety enhancement of the North Shore Bike Path at Butterfield Road is to realign a short section of the bike path to direct users to the marked cross walk.
- Work is to be completed by Lake County Division of Transportation (LCDOT) day labor crews.
- Before materials can be purchased, an appropriation of funds is needed.

- This appropriation is \$30,000 of Matching Tax funds.

7.24 [13-1073](#)

Joint resolution appropriating \$70,000 of ¼% Sales Tax for Transportation and Public Safety funds for the improvement of Miller Road, east of Kelsey Road, and designated as Section 08-00118-09-BR.

- [Miller Road, East of Kelsey Road: Construction Appropriation.](#)
- Miller Road, east of Kelsey Road, will be improved by adding roadway embankment, shoulder gravel and landscaping.
- This improvement is included in the Division of Transportation's improvement program.
- Before a project letting can be held, an appropriation of \$70,000 of ¼% Sales Tax for Transportation and Public Safety funds is necessary.

7.25 [13-1043](#)

Joint resolution authorizing the execution of an amendment to Agreement #2 with Commonwealth Edison (ComEd) for the relocation of distribution facilities located within the ComEd right-of-way and the Canadian National Railroad (CNRR) right-of-way for the Rollins Road at Illinois Route 83/CNRR intersection/grade separation improvement, appropriating a supplemental \$1,500,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 08-00080-56-BR.

- [Rollins Road at Illinois Route 83/CNRR ComEd Distribution Agreement # 2 Amendment and Supplemental Appropriation.](#)
- The intersection improvement of Rollins Road at Illinois Route 83/CNRR is included in the County's 2013-2018 Highway Improvement Program.
- At the July 10, 2012, County Board meeting, Agreement #1 with ComEd was approved for relocating transmission facilities and \$3,625,000 of ¼% Sales Tax for Transportation and Public Safety funds was appropriated based on an estimated cost of \$3,080,732.
- At the March 12, 2013, County Board meeting, a supplemental appropriation for Agreement #1 for \$1,000,000 of ¼% Sales Tax for Transportation and Public Safety funds was approved for the relocation of the transmission facilities.
- At the November 20, 2012, County Board meeting, Agreement # 2 with ComEd was approved for the relocation of distribution facilities and \$1,800,000 of ¼% Sales Tax for Transportation and Public Safety funds was appropriated.
- ComEd has completed updated design work to include the installation of a new 36" casing running 340' west under Illinois Route 83 and the CNRR, as well as the installation of 920' of 12" duct, 350' of 6" duct and 900' of 2" duct, relocation of 16 poles, and associated wiring and equipment with the new estimated cost for the relocation of the distribution facilities being \$2,995,000.
- This resolution authorizes the execution of an amendment to Agreement #2 with ComEd that provides for the relocation of their distribution facilities, and appropriates a supplemental \$1,500,000 of ¼% Sales Tax for Transportation and Public Safety funds for these utility relocations.

**Attachments:** [13-1043 Rollins Road Supplemental Appropriation ComEd Distribution I](#)

7.26 [13-1023](#)

Joint resolution rescinding a contract awarded to Curran Contracting Company, Crystal Lake, Illinois, in the amount of \$169,705.92, for bituminous pavement removal, patching, and resurfacing of Dilley's Road and Mill Creek Road, in the Newport Township Road District, and designated as Section 13-11109-02-GM.

- [2013 Newport Township Road District: Rescinding Contract Award.](#)
- A call for sealed bids resulted in a total of four bids ranging from \$169,705.92 to \$214,907.09 for bituminous pavement removal, patching, and resurfacing of Dilley's Road and Mill Creek Road, in the Newport Township Road District.
- On April 9, 2013, this County Board awarded a contract to Curran Contracting Company, Crystal Lake, Illinois, in the amount of \$169,705.92 as the lowest responsible bidder.
- On August 27, 2013, the County Engineer received a memo from the Newport Township Highway Commissioner, Rodger L. Edmonds, requesting to rescind the contract with Curran Contracting Company, Crystal Lake, Illinois, due to lack of township funding.
- This resolution rescinds the contract with Curran Contracting Company, Crystal Lake, Illinois, in the amount of \$169,705.92.

**Attachments:** [13-1023 Newport Township Rescind Letter](#)

7.27 [13-1020](#)

Committee action approving the Fall 2013 Adopt-A-Highway Program.

- [Adopt-A-Highway Program, Fall 2013 Application Cycle: Approval.](#)
- In accordance with the Lake County Adopt-A-Highway Ordinance, applications have been received for the Fall 2013 application period.
- The Public Works and Transportation Committee must approve the allocation of roadway segments and the posted names for volunteer groups that have applied.
- A staff report is attached regarding the applications received, and recommendations for allocation.

**Attachments:** [13-1020 Adopt-A-Highway Staff Report Fall 2013](#)

7.28 [13-0490](#)

Director's Report - Transportation.

8. **Executive Session**

9. **County Administrator's Report**

10. **Adjournment**