

# **Lake County Illinois**

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



## **Agenda Report - Final**

**Wednesday, November 14, 2012**

**10:00 AM**

**Assembly Room, 10th Floor**

**Public Works and Transportation Committee**

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

3.1 [12-1315](#)

Minutes from October 31, 2012.

**Attachments:** [PWT 10.31.12](#)

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

6.1 [12-1209](#)

Joint resolution authorizing the execution of an intergovernmental agreement for exchange and transfer of real property interests by and between the Lake County Forest Preserve District and Lake County.

- This resolution was originally approved by Joint Committee action on October 31, 2012, but has been amended to reflect the elimination of the need for a County Ordinance regarding easement acquisition.
- As part of the Portwine Road Force Main Project, the County must obtain easements and will impact trees on the Lake County Forest Preserve District Property.
- The Forest Preserve District has requested the County transfer 2.5 acres of property adjacent to the Department's Ela Lift Station in exchange for the Portwine easements and tree impacts.
- An Intergovernmental Agreement has been prepared which establishes the terms of the exchange of the easements and tree impacts for the property transfer.
- Pursuant the Local Government Property Transfer Act this resolution must be approved by two-thirds (2/3) of the County Board members holding office.
- This resolution authorizes the execution of an revised intergovernmental agreement.

**Attachments:** [12-1209 Forest Preserve Portwine IGA.pdf](#)

[12-1209 REVISED Forest Preserve Portwine IGA.pdf](#)

6.2 [12-1219](#)

Ordinance declaring it necessary or convenient for Lake County to acquire and use easements over real estate owned by the Lake County Forest Preserve District.

- This ordinance was originally approved by Joint Committee action on October 31, 2012.
- After further discussion of this ordinance by the County attorneys and the attorneys representing the Lake County Forest Preserve, it was determined that this ordinance is no longer required.
- Therefore it is requested that the Committee reconsider this item.

**Attachments:** [12-1219 Forest Preserve Portwine Easement Acquisition Ordinance.pdf](#)

**7. New Business**

**7.1 [12-1285](#)**

Joint resolution authorizing emergency appropriations from various funds for capital projects in the FY 2013 Capital Improvement Program.

- The FY 2013 Capital Improvement Program budget will be approved in November 2012 as part of the FY 2013 recommended budget. Various emergency appropriations are requested to appropriate the necessary funding to each designated capital project.
- The Department of Transportation and the Department of Public Works have planned capital projects as outlined in the 2013 budget. This action appropriates the funds necessary to complete the project
- Other reserves have been designated to fund the construction of a criminal courts expansion, juvenile justice center expansion, and remodeling of the administrative tower.

**PUBLIC WORKS**

**7.2 [12-1268](#)**

Joint resolution authorizing the execution of a contract with J.J. Henderson & Son for improvements for Diamond Lake Lift Stations, in the amount of \$769,000.

- As part of the County's long-term infrastructure improvements program, the Maple Avenue and Acorn Lane Lift Stations require refurbishment.
- This project will include expansion of the Acorn Lane and Maple Avenue Lift Stations with new pumps, controls and wet wells.
- The County received requests for bid documents from sixteen contractors and received responsive bids from six contractors for this work.
- Award of this contract is recommended to the lowest responsive, responsible bidder, Joseph J. Henderson & Son, Inc., Gurnee, Illinois in the amount of \$769,000.
- This resolution authorizes the execution of a contract with Joseph J. Henderson & Son, Inc. in the amount of \$769,000 for the Improvements for Diamond Lake Lift Stations.

**Attachments:** [12-1268 DL Lift Station Refurbish Bid Tab.pdf](#)

**7.3 [12-1215](#)**

Joint resolution authorizing execution of an Agreement for Retail Water Supply Services to Mettawa St. Mary's Road Service Area with the Village of Mettawa.

- The Central Lake County Joint Action Water Agency (CLCJAWA) previously authorized the County to provide water to the Village of Mettawa through the County's Knollwood/Rondout water system.
- Eight properties within Mettawa have approached the Village and requested Lake Michigan water service.
- The Village has established a Special Service Area (SSA) to fund the water system improvements and will design and construct the water system extension to County specifications and will subsequently be owned and operated by the County.
- This resolution authorizes the execution of an Agreement for Retail Water Supply Services to Mettawa St. Mary's Road Service Area between the County and the Village and establishes the rights and responsibilities of the parties regarding the SSA and the design, construction, ownership and operation of the water system.

**Attachments:** [12-1215 Mettawa Retail Water Service IGA.pdf](#)

**7.4** [12-1265](#)

Presentation on proposed plan for water meter installation for non-metered customers.

- Customers on the County's sewer and water systems are billed either on a per usage basis or a flat rate basis.
- A customer that has a water meter is charged a per use basis with usage recorded by the meter.
- Approximately 140 water customers have no meters and are charged on a flat rate basis, including areas in Countryside Lake, Forest Lake, Arden Shores and Oak Terrace.
- A plan to convert all water customers to metered usage will be reviewed with Committee for direction and future implementation.

**7.5** [12-1267](#)

Presentation on feasibility of expansion of CLCJAWA water service to existing groundwater-supplied County water systems.

- As part of recent negotiations with the CLCJAWA the County requested examination of extension of water service to County groundwater-supplied systems.
- Examination of potential new service areas was to be conducted by CLCJAWA as part of extension of water delivery infrastructure to new members.
- The CLCJAWA Board of Directors amended this provision when they drafted a "Resolution Expressing the Intent of the Adopting Entities to Work towards a Membership Expansion of the Central Lake County Joint Action Water Agency."
- Existing Lake County water customers on groundwater supply would be given first right-of-refusal should the Agency determine it can accommodate customers in the future, such areas to be subject to connection charges.
- A review of this provision and discussion of feasibility work for other areas will be provided and staff seeks direction from Committee.

**Attachments:** [12-1267 CLCJAWA Resolution Attachment.pdf](#)

**7.6** [12-1231](#)

Director's Report - Public Works

**TRANSPORTATION**

**7.7** [12-1298](#)

Joint resolution to amend the 4% fee to set a maximum of \$400 to cover situations only involving administration costs for Township and Road District work performed by Lake County Division of Transportation (LCDOT) using Township Motor Fuel Tax (MFT) and/or general funds from the Township or Road District.

- [Township Engineering and Administration Fees, Clarification and Adjustments Amendment.](#)
- Pursuant to the Illinois Highway Code, the County Engineer is responsible for administering the use of Township MFT funds for Township and Road District roads.
- Pursuant to 605 ILCS 5/6-701.3 in the Illinois Highway Code, the County Engineer may charge fees for costs incurred for the engineering and administration of using MFT

funds on Township and Road District roads.

- A 4% fee to cover situations only involving administration costs, associated projects and this resolution amends the 4% fee to set a maximum of \$400 to cover situations only involving administration costs, associated projects using Township MFT, and/or general funds from the Township or Road District.
- Once approved by Lake County, this change must also be approved by IDOT.

**7.8**     **12-1270**

Joint resolution expressing official intent regarding certain capital expenditures to be reimbursed from proceeds of a bond obligation.

- 2013 Bond Reimbursement Resolution.
- This reimbursement ordinance is for \$52 million covering road improvements at various locations throughout the County.
- The County is undertaking road improvements at various locations throughout the County, and currently has sufficient funds from existing sources to begin construction.
- By passing this resolution, the County has the authority to begin the construction with existing funds, and later to issue bonds that will provide the additional revenue required to reimburse existing funds used and complete the projects.

**7.9**     **12-1299**

Joint resolution authorizing the execution of a revised "Agreement of Understanding," with the State of Illinois, in accordance with 605 ILCS 5/5-402 of the Illinois Compiled Statutes, providing for the expedited processing of the County's construction and maintenance projects administered through the Illinois Department of Transportation (IDOT) under Motor Fuel Tax policies and procedures.

- IDOT Agreement of Understanding.
- There currently exists an Agreement of Understanding with IDOT to expedite processing of the County's construction and maintenance projects administered under Motor Fuel Tax policies and procedures dated January 22, 2003.
- Revisions to this agreement are required to recognize the new County Engineer.

**Attachments:**   [12-1299 2012 Lake County IDOT Agreement of Understanding](#)

**7.10**    **12-1300**

Joint resolution authorizing the execution of an agreement with Park City, stating the terms and conditions for the construction of pedestrian street lighting along Greenleaf Avenue sidewalks, from Cornell Avenue south to the Park City limits.

- Non-Motorized Travel 2011 - Greenleaf Avenue Sidewalk Improvement: City of Park City Agreement.
- Park City is requesting to include pedestrian street lighting on a portion of the Lake County sidewalk gap project, along Greenleaf Street that is within their corporate limits.
- 100% of the pedestrian lighting will be paid for by Park City.
- This resolution authorizes an agreement with the city of Park City and states the terms and conditions for the installation and payment of pedestrian street lighting, along Greenleaf Avenue sidewalks, from Cornell Avenue south to the Park City limits.

**Attachments:**   [12-1300 Exhibit A Greeleaf Street Lights](#)

[12-1300 Greenleaf Street lights Municipal Acceptance Form](#)

[12-1300 Greenleaf Street Intergovernmental Agreement](#)

**7.11 [12-1275](#)**

Joint resolution appropriating \$200,000 of County Bridge Tax funds for the installation of 1,000 lineal feet of storm sewer and drainage structures to replace the failing drain tile in the Four Corners Drainage Basin which is flooding Wilson Road, and designated as Section 10-00070-08-DR.

- [Wilson Road Drainage Improvement; Appropriation.](#)
- Wilson Road has 1,000 lineal feet of failing drain tile in the Four Corners Drainage Basin which must be replaced.
- The drainage work is contiguous to the emergency work that was installed northeast of this improvement during the fall of 2011, and is part of the overall solution to the Four Corners Drainage Basin issues.
- Before a project letting can be held, an appropriation of \$300,000 of County Bridge Tax funds is necessary.

**7.12 [12-1305](#)**

Joint resolution authorizing the execution of an agreement with the State of Illinois/Illinois Department of Transportation (IDOT) for the use of federal highway funds for the construction of the proposed roundabout improvement to the intersection of Cedar Lake Road at Monaville Road, appropriating \$405,000 of Matching Tax funds, and designated as Section 06-00153-07-CH.

- [Cedar Lake Road at Monaville Road, Roundabout Improvement; Construction and Phase III: IDOT Agreement.](#)
- The County has been allocated federal funds, administered by IDOT, for construction and Phase III construction engineering.
- This agreement provides for the County's 20% share, and the 80% federal share of this improvement.
- Phase III construction engineering to be completed by Lake County Division of Transportation staff.
- This resolution appropriates \$405,000 of Matching Tax funds for the County's share of the construction costs.

**Attachments:** [12-1305 Cedar Lake Road at Monaville Road IDOT Agreement](#)

**7.13 [12-1309](#)**

Joint resolution authorizing the execution of an agreement between Baxter & Woodman, Inc., Crystal Lake, Illinois, for Phase III construction engineering services for the intersection improvement of Wadsworth Road, at Illinois Route 131 (Green Bay Road), at a maximum cost of \$1,147,029.20, and designated as Section 03-00033-12-CH.

- [Wadsworth Road, at Illinois Route 131 \(Green Bay Road\), Intersection Improvement; Phase III: Consultant Agreement.](#)
- This improvement will provide increased traffic capabilities by roadway widening to five-lanes, and installing new traffic control signals.
- A consultant will be utilized to undertake Phase III construction engineering services.
- The selected and recommended firm is Baxter & Woodman, Inc., Crystal Lake, Illinois,

with a maximum cost of \$1,147,029.20.

**Attachments:** [12-1309 Wadsworth Road at Illinois Route 131 Consultant Agreement](#)

**7.14** [12-1307](#)

Joint resolution authorizing the execution of an agreement with the State of Illinois/Illinois Department of Transportation (IDOT) for the use of federal highway funds for the construction of the intersection improvement of Wadsworth Road at Illinois Route 131 (Green Bay Road), appropriating \$2,465,000 of Motor Fuel Tax funds, \$3,140,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 03-00033-12-CH.

- Wadsworth Road at Illinois Route 131 (Green Bay Road) Intersection Improvement; Construction and Phase III: IDOT Agreement.
- The County has been allocated federal funds, administered by IDOT, for construction and Phase III construction engineering.
- This agreement provides for the County's 20% share, and the 80% federal share of this improvement.
- This resolution appropriates \$2,465,000 of Motor Fuel Tax funds, \$3,140,000 of ¼% Sales Tax for Transportation and Public Safety funds for the local share.

**Attachments:** [12-1307 Wadsworth Rd at Green Bay Rd IDOT Agreement](#)

**7.15** [12-1272](#)

Joint resolution appropriating \$3,110,000 of Motor Fuel Tax funds for the resurfacing of Sunset Avenue, Golf Road, and Greenwood Avenue, from Illinois Route 131 to Sheridan Road, and designated as Section 12-00108-05-RS.

- Sunset Avenue, Golf Road, and Greenwood Avenue Resurfacing: Appropriation.
- Sunset Avenue, Golf Road, and Greenwood Avenue, from Illinois Route 131 to Sheridan Road, are in need of resurfacing.
- These resurfacing improvements have been identified within the County's pavement management system, and are included in the 2012 program.
- Before a project letting can be held, an appropriation of \$3,110,000 of Motor Fuel Tax funds is necessary.

**7.16** [12-1260](#)

Joint resolution appropriating a supplemental amount of \$20,000 of Motor Fuel Tax funds for concrete pavement patching, where necessary, on various County highways, and designated as Section 12-00000-08-GM.

- 2012 Concrete Pavement Patching: Change Order No. 1 and Supplemental Appropriation.
- Each year, the County undertakes patching of its concrete pavements to preserve surface quality, including repairing damaged manholes, catch basins, curbs, and gutters.
- Additional services are necessary to remove and replace additional areas of deteriorated curb.
- The original appropriations of \$75,000 of Motor Fuel Tax funds need to be supplemented by \$20,000 to cover cumulative change orders which exceed 10% of the original contract.

**Attachments:** [12-1260 2012 Concrete Pavement Patching Change Order](#)

**7.17** [12-1306](#)

Joint resolution authorizing the execution of an agreement with Commonwealth Edison (ComEd) for the relocation of distribution facilities located within the ComEd right-of-way, south of Rollins between Illinois Route 83 and Mallard Creek Road, for the Rollins Road at Illinois Route 83/CN RR (Canadian National Railroad) intersection/grade separation improvement, appropriating \$1,800,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 08-00080-56-BR.

- [Rollins Road at Illinois Route 83/CN RR ComEd Agreement #2 and Appropriation.](#)
- The intersection improvement of Rollins Road at Illinois Route 83/CN RR is included in the County's 2012-2017 Highway Improvement Program.
- At the July 20, 2012 County Board meeting, a separate agreement with ComEd was approved for relocating transmission facilities and \$3,625,000 of ¼% Sales Tax for Transportation and Public Safety funds was appropriated.
- ComEd has distribution facilities located within ComEd right-of-way, south of Rollins between Illinois Route 83 and Mallard Creek Road that must be relocated to accommodate the upcoming highway improvement.
- The relocation of the distribution facilities is proposed to be done before the construction of the highway improvement.
- It will be necessary for Lake County to reimburse ComEd for the cost to relocate their facilities, estimated to cost \$1,500,000.
- This resolution authorizes the execution of an agreement with ComEd that provides for the relocation of their facilities, and also appropriates \$1,800,000 of ¼% Sales Tax for Transportation and Public Safety funds for these utility relocations.

**Attachments:** [12-1306 Rollins Road at IL 83 ComEd Agreement](#)

**7.18** [12-1269](#)

Joint resolution appropriating a supplemental amount of \$30,000 of Motor Fuel Tax funds for the 2012 repair and replacement of various guardrail and fencing installations, and designated as Section 12-00000-04-GM.

- [Guardrail and Fencing Maintenance 2012: Supplemental Appropriation.](#)
- The County owns miles of guardrail and fencing along its highway system, and annual repairs must be made to various installations.
- \$20,000 of Motor Fuel Tax funds were appropriated in January, 2012.
- A supplemental appropriation of \$30,000 is required.

**7.19** [12-1276](#)

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 \$99,995.01, appropriating \$110,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 12-00999-36-TL.

- [2012 Signal Coordination Network Model: Consultant Agreement and Appropriation.](#)
- The Phase II design engineering services will create a timing model for all of the traffic signals in Lake County.



- The traffic signal model will allow traffic engineers to model traffic signal operations and adjust traffic signal timing plans to be implemented in the PASSAGE traffic signal system.
- The consultant is also tasked with studying the existing timing on Rollins Road from Hook Drive to Grand Avenue in Fox Lake to determine the appropriate timing along the 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 \$99,995.01, and appropriates \$110,000 of ¼% Sales Tax for Transportation and Public Safety funds for that purpose.

**Attachments:** [12-1276 2012 Signal Coordination Network Model Agreement](#)

**7.20** [12-1281](#)

Joint resolution authorizing a supplemental appropriation of \$25,000 of Motor Fuel Tax for the acquisition of necessary right-of-way by extending temporary easements, by agreement or condemnation, and other acquisition costs associated with the widening and reconstruction of Delany Road, from Tannahill Drive to York House Road, and designated as Section 00-00093-17-WR.

- Delany Road, from Tannahill Drive to York House Road, Right-of-Way Acquisition: Supplemental Appropriation with Condemnation Authority.
- Final plans and specifications for this improvement have been prepared.
- Construction for this improvement is underway, however, utility conflicts have delayed the completion, and there are nine temporary construction easements that will be expiring prior to the completion of the construction.
- Supplemental right-of-way acquisition, for the extension of nine temporary construction easements, is needed for this project and is authorized by agreement or condemnation.
- A supplemental appropriation of \$25,000 of Motor Fuel tax is needed.

**7.21** [12-1271](#)

Joint resolution appropriating \$90,000 of ¼% Sales Tax for Transportation and Public Safety funds, for the advance acquisition of necessary right-of-way, by agreement or condemnation, and other right-of-way costs associated with the future roadway improvements of Deerfield Road and adjacent bike path at Deerfield Road and Thornmeadow Road, and designated as Section 09-00038-04-BT.

- Deerfield Road and Deerfield Road Bike Path, Advance Right-of-Way Acquisition: Appropriation with Condemnation Authority.
- Preliminary plans and specifications for this future improvement at Deerfield Road and Thornmeadow Road have been prepared.
- Property for advance right-of-way is needed from the parcel identified as PIN #15-35-201-003.
- Before advance right-of-way acquisitions can proceed, an appropriation and condemnation authority is necessary.
- An appropriation of \$90,000 of ¼% Sales Tax for Transportation and Public Safety funds is necessary for this parcel and other advance right-of-way costs.

7.22 [12-1302](#)

Joint resolution appropriating a supplemental amount of \$170,000 of Matching Tax funds to provide for the removal and replacement of reflective pavement markers on various County highways throughout the County highway system, and designated as Section 12-00000-13-GM.

- [2012 Pavement Marker Replacement Program: Supplemental Appropriation.](#)
- Every three years, the County undertakes the removal and replacement, where necessary, of raised reflective pavement markers throughout the County highway system.
- A total of \$320,000 and \$65,000 of Matching Tax funds were appropriated for this improvement.
- Additional services are needed to remove and replace additional damaged raised reflective pavement markers, and a supplemental appropriation of \$170,000 of Matching Tax funds is required.

7.23 [12-1311](#)

Joint resolution authorizing the execution of Amendment No. 3 to the agreement with the Regional Transportation Authority (RTA) providing terms and conditions for the receipt of 2008 federal "New Freedom" grant funds for the Lake County Northwest Demonstration Project, extending the agreement expiration date to August 31, 2013, and designated as Section 09-00280-01-ES.

- [RTA: Lake County Northwest Demonstration Project in Antioch, Avon, Fremont, Grant, Lake Villa and Wauconda Townships: Amendment No. 3.](#)
- 2008 "New Freedom" grant funds administered by the RTA are being used to expand paratransit service in Lake County to meet the needs of the mobility challenged constituent population in Antioch, Avon, Fremont, Grant, Lake Villa and Wauconda Townships (known as the "Lake County Northwest Demonstration Project").
- The 2008 RTA grant agreement terminates December 31, 2012.
- This resolution authorizes the execution of Amendment No. 3 to the 2008 RTA grant agreement, extending the "New Freedom" funds through August 31, 2013, or until the grant funds have been expended.

**Attachments:** [12-1311 New Freedom Grant #1 Agreement Amendment #3](#)

7.24 [12-1312](#)

Joint resolution authorizing the execution of a Technical Services agreement with the Regional Transportation Authority (RTA) providing the terms and conditions for the receipt of 2011 federal "New Freedom" grant funds, over 2 years beginning October 1, 2012, through September 30, 2014, appropriating \$450,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 09-00280-01-ES.

- [RTA: Lake County Northwest Demonstration Project in Antioch, Avon, Fremont, Grant, Lake Villa and Wauconda Townships.](#)
- "New Freedom" grant funds administered by the RTA will continue to be used to expand paratransit service in Lake County during the weekdays.
- These funds will be used to expand paratransit service in Lake County to meet the needs of the mobility challenged constituent population in Antioch, Avon, Fremont, Grant, Lake Villa and Wauconda Townships; this program to be known as the "Lake

County Northwest Demonstration Project.”

- The RTA will provide \$250,000 of 2011 federal “New Freedom” grant funds, over 2 years, for this demonstration project beginning October 1, 2012, through September 30, 2014.
- This resolution authorizes the execution of an agreement for these 2011 grant funds and appropriates \$450,000 of the ¼% Sales Tax for Transportation and Public Safety funds for the County’s portion of this project.

**Attachments:** [12-1312 New Freedom Grant #2 Agreement](#)

**7.25**     **12-1310**

Joint resolution authorizing the renewal of two agreements between Lake County and Pace Suburban Bus Division of the Regional Transportation Authority (RTA) providing terms and conditions for the year of 2013, by which Pace will coordinate operations of, and partially fund, the Lake County Northwest Demonstration Project for the expansion of the paratransit services to meet the needs of the mobility challenged constituent populations in Antioch, Avon, Fremont, Grant, Lake Villa and Wauconda Townships. This project is designated as Section 09-00280-01-ES.

- Lake County Northwest Demonstration Project in Antioch, Avon, Grant, Lake Villa, Fremont and Wauconda Townships: Pace Suburban Bus Service Intergovernmental and Subsidy Agreements.
- The County, on behalf of the Lake County Coordinated Transportation Services Committee (LCCTSC) has received “New Freedom” grant funding from the RTA in 2008 and will receive 2011 RTA grant funding.
- The County on behalf of the LCCTSC has received 2011 “Job Access Reverse Commute (JARC)” grant funding from the RTA.
- The County has two agreements, a Subsidy Agreement and an Intergovernmental Agreement, with Pace that will expire December 31, 2012.
- The two agreements provide for Pace to operate paratransit services for the Lake County Northwest Demonstration Project and to reimburse the County a portion of the grant’s local match for 2013.
- Pace intends to supply up to \$100,000 of the local match for this project in the year of 2013.
- The resolution authorizes the two new agreements to have a termination date of December 31, 2013, with other terms being the same as previous agreements.

**Attachments:** [12-1310 Pace IGA 2013 Lake County NW Demo Project](#)

[12-1310 PACE Subsidy Agreement](#)

**7.26**     **12-1304**

Director’s Report - Transportation

**8.        Executive Session**

**9.        County Administrator's Report**

**10.      Adjournment**

