

# **Lake County Illinois**

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



## **Agenda Report - Final**

**Wednesday, January 9, 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 [13-0034](#)

Minutes from November 14, 2012.

**Attachments:** [PWT 11.14.12](#)

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

**PUBLIC WORKS**

7.1 [12-1441](#)

Joint resolution authorizing a second amendment to the First Amended and Restated Memorandum of Understanding (MOU) concerning the Northern Lake County Lake Michigan Water Planning Group.

- On July 13, 2011, the County Board approved a First Amended and Restated MOU that committed the County to cooperatively participate with various other providers of water service in Lake County for the furtherance of securing a Lake Michigan water supply.
- The first amendment to the First Amended MOU was approved by the County Board in July 2012, and had a December 31, 2012 expiration date.
- The second amendment to the First Amended MOU simply extends the expiration date six months to June 30, 2013.
- This resolution authorizes execution of the second amendment.

**Attachments:** [12-1441 2nd Amendment Lake Michigan Water MOU.pdf](#)

7.2 [12-1440](#)

Joint resolution authorizing an agreement for retail sanitary sewer and retail water supply services to the Village of Third Lake.

- The 1976 retail sewer agreement and 1979 retail water agreement between the County and the Village of Third Lake have expired.
- A new agreement has been prepared that combines retail sanitary sewer and water supply services into one 20 year agreement.
- The agreement has been ratified and approved by the Village of Third Lake's Board.
- This resolution authorizes the execution of an agreement for retail sanitary sewer and retail water supply services with the Village of Third Lake.

**Attachments:** [12-1440 Third Lake Retail Sewer Water Agreement.pdf](#)

[12-1440 Third Lake Resolution Approving Sewer Water Agreement.pdf](#)

7.3 [12-1435](#)

Joint committee action approving Change Order No.1 for the Diamond/Sylvan Lake Diversion - Phase III Project.

- Change orders that adjust the original contract amount by 10% must be reviewed and approved by the Public Works and Transportation and the Finance & Administration Committees.
- Subsurface conditions encountered during construction activities along the Seavey Drainage Ditch portion of the project require significant dewatering efforts.
- The County and Western Utility Contractors, Inc. have jointly agreed it is in the best interest of both parties to remove this portion of the original contract, reassess the groundwater conditions at the site, and rebid this work for competitive pricing.
- This change order decreases the amount of the construction contract by \$996,419.72 or 55.7% from \$1,780,285.75 to \$792,866.03.

**Attachments:** [12-1435 DSL Phase III Change Order.pdf](#)

[12-1435 DSL Phase III Change Order Authorization.pdf](#)

7.4 [12-1434](#)

Joint committee action approving Change Order No.1 for the Vernon Hills NCT WRF High Efficiency Blower Installation and D.O. Project.

- Change orders that exceed 10% of the original contract amount must be reviewed and approved by the Public Works & Transportation and the Finance & Administrative Committees.
- Recent IEPA mandated NPDES permit limits require the County to provide biological nutrient removal to limit discharge of phosphorous from the treatment plant to below 1.0 mg/L.
- This change order provides for the additional engineering services necessary to design the biological nutrient removal facilities at the Vernon Hills NCT WRF and provide a Design Basis Report for submittal to the IEPA.
- This change order increases the amount of the engineering contract by \$79,600 or 131.4% from \$60,550 to \$140,150.

**Attachments:** [12-1434 VH NCT WRF Blower Change Order Contract.pdf](#)

[12-1434 VH NCT WRF Blower Change Order Authorization.pdf](#)

7.5 [12-1231](#)

Director's Report - Public Works

**TRANSPORTATION**

7.6 [12-1428](#)

Joint resolution awarding a contract for the construction of a sidewalk along Greenleaf Avenue to the lowest responsible bidder A Lamp Concrete Contractors, Inc., Schaumburg, Illinois, in the amount of \$522,649.50, and designated as Section 11-00184-03-SW.

- Non-Motorized Travel 2011 - Greenleaf Avenue Sidewalk Improvement: Contract Award.
- This improvement was identified in the 2009 Non-Motorized Travel Study as a

construction priority.

- A total of six bids were received, ranging from \$522,649.50 to \$607,056.25, and the lowest responsible bidder is A Lamp Concrete Contractors, Inc., Schaumburg, Illinois, in the amount of \$522,649.50.

**Attachments:** [12-1428 Bid Tab - Greenleaf Ave. Sidewalk Improvements](#)

**7.7** [13-0020](#)

Joint resolution authorizing a contract for the modifications of older existing stormwater detention basins to improve functionality and water quality to Campanella & Sons, Inc., Wadsworth, Illinois, in the amount of \$215,938.27, providing a supplemental appropriation of \$70,000 of Matching Tax funds, and designated as Section 11-00999-24-DR.

- 2012 Stormwater Detention Basin Retrofits: Contract Award and Supplemental Appropriation.
- Lake County Division of Transportation proposes to convert certain dry detention basins to wet detention basis to improve stormwater management and water quality treatment.
- A total of six bids were received, ranging from \$215,938.27 to \$300,957.45, and the lowest responsible bidder is Campanella & Sons, Inc., Wadsworth, Illinois, in the amount of \$215,938.27
- This resolution authorizes execution of the contract, and provides for a supplemental appropriation of \$70,000 of Matching Tax funds.

**Attachments:** [13-0020 Bid Tab - Detention Basin Retrofits](#)

**7.8** [12-1427](#)

Joint resolution authorizing a contract for the resurfacing of Sunset Avenue, Golf Road, and Greenwood Avenue, from Illinois Route 131 to Sheridan Road, to Peter Baker and Son Company, Lake Bluff, Illinois, in the amount of \$2,311,530.15, and designated as Section 12-00108-05-RS.

- Sunset Avenue, Golf Road, and Greenwood Avenue Resurfacing: Contract Award.
- 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 2013 program.
- A total of four bids were received, ranging from \$2,311,530.15 to \$2,889,188.38, and the lowest responsible bidder is Peter Baker and Son Company, Lake Bluff, Illinois, with a contract amount of \$2,311,530.15.

**Attachments:** [12-1427 Bid Tab - Sunset Avenue Resurfacing](#)

**7.9** [12-1445](#)

Joint resolution authorizing the execution of a contract with Civiltech Engineering Inc., Itasca, Illinois, for professional services for the provision of Phase II design engineering services for the reconstruction and widening of Petite Lake Road, from Illinois Route 59 to Fairfield Road, at a maximum cost of services described as \$312,726, appropriating \$380,000 of Motor Fuel Tax funds for this improvement, and designated as Section 10-00181-05-RS.

- Petite Lake Road, Illinois Route 59 to Fairfield Road; Phase II Consultant Agreement and Appropriation.
- Petite Lake Road will be reconstructed and widened from Illinois Route 59 to Fairfield Road.
- A consultant will be utilized to undertake Phase II design engineering services for this improvement.
- This resolution authorizes the execution of professional services agreement with Civiltech Engineering Inc., Itasca, Illinois, for Phase II design engineering services and appropriates \$380,000 of Motor Fuel Tax funds.

**Attachments:** [12-1445 Petite Lake Road Reconstruction - Consultant Agreement](#)

**7.10**     **12-1444**

Joint resolution authorizing an agreement with Regina Webster and Associates, Inc., Chicago, Illinois, for Phase II design engineering services for traffic signal interconnects to Lake County PASSAGE, along various routes in Lake County, at a maximum cost of \$59,294.80, appropriating \$75,000 of ¼% Sales Tax for Transportation and Public Safety funds, and designated as Section 13-00268-12-TL.

- 2013 PASSAGE Field Elements Design: Consultant Agreement and Appropriation.
- The Phase II design engineering services are to add approximately 20 traffic signals and Pan Tilt Zoom cameras to the PASSAGE network, plus additional fiber optic cable and wireless links will be designed to expand the network.
- Lake County has a satisfactory working relationship with Regina Webster and Associates, Inc., Chicago, Illinois, under the Local Government Professional Services Selection Act.
- This resolution authorizes the execution of a professional services agreement with Regina Webster and Associates, Inc., Chicago, Illinois, for design engineering services at a maximum cost of \$59,294.80 and appropriates \$75,000 of ¼% Sales Tax for Transportation and Public Safety funds for that purpose.

**Attachments:** [12-1444 2013 PASSAGE Field Elements Design, Consultant Agreement](#)

**7.11**     **12-1432**

Joint resolution appropriating \$60,000 of Motor Fuel Tax funds for the 2013 repair and replacement of various guardrail and fence installations, and designated as Section 13-00000-06-GM.

- Guardrail and Fence Maintenance 2013: Appropriation.
- The County owns miles of guardrail and fence along the highway system, and annual repairs must be made to various installations.
- Before a materials purchase or contract service can be procured, an appropriation of \$60,000 of Motor Fuel Tax funds is required.

**7.12**     **12-1431**

Joint resolution appropriating \$60,000 of Motor Fuel Tax funds to provide for crack sealing of asphalt and concrete pavement, where necessary, on various County highways, and designated as Section 13-00000-04-GM.

- 2013 Crack Sealing: Appropriation.
- Each year, crack sealing is done to County highways that have recently been resurfaced.

- Before a project letting can be held, an appropriation of \$60,000 of Motor Fuel Tax funds is necessary.

7.13 [13-0007](#)

Joint resolution appropriating a supplemental amount of \$610,000 of the ¼% Sales Tax for Transportation and Public Safety 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 resurfacing of Quentin Road, from Rue Royale to White Pine Road, and designated as Section 02-00051-08-WR.

- Quentin Road, Rue Royale to White Pine Road, Widening and Resurfacing, Right-of-Way Acquisition: Supplemental Appropriation.
- Preliminary plans and specifications for this improvement have been prepared.
- This County Board, at its meeting of August 11, 2009, provided an initial \$310,000 for right-of-way needs, and at its meeting of January 12, 2010, appropriated a supplemental amount of \$2,715,000.
- To continue right-of-way acquisitions, a supplemental appropriation of \$610,000 of ¼% Sales Tax for Transportation and Public Safety funds is necessary, and designated as Section 02-00051-08-WR.

7.14 [12-1433](#)

Joint resolution approving Change Order No. 1, appropriating a supplemental amount of \$55,000 of Motor Fuel Tax funds for the professional engineering services to improve Winchester Road, from west of the Metra railroad to east of the west County access road, by adding left turn lanes, and designated as Section 10-00151-22-CH.

- Winchester Road and County Access Road: Professional Engineering Services: Change Order No.1 and Supplemental Appropriation.
- Additional professional engineering services are required for an increase in the analysis, modeling, and calculations for the required floodplain compensation and subsequent IDNR permit, plus the relocation of the County's fiber optic line.
- The original appropriation of \$200,000 of Motor Fuel Tax funds needs to be supplemented by \$55,000 to cover Change Order No. 1.

**Attachments:** [12-1433 Winchester Rd. Change Order No. 1](#)

7.15 [13-0016](#)

Joint resolution appropriating \$65,000 of ¼% Sales Tax for Transportation and Public Safety funds for the acquisition of necessary right-of-way, by agreement or condemnation, and other right-of-way costs associated with the proposed roundabout at the intersection of River Road at Roberts Road, and designated as Section 07-00086-08-CH

- River Road at Roberts Road, Intersection Roundabout Improvement, 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, an appropriation and condemnation authority is necessary.
- The appropriation is \$65,000 of ¼% Sales Tax for Transportation and Public Safety funds.

7.16 [13-0019](#)

Joint resolution authorizing an agreement between the State of Illinois/Illinois Department of Transportation (IDOT), and Lake County for the improvement of 24 traffic control signals within the northwest quadrant of Lake County, appropriating \$25,000 of Motor Fuel Tax Funds, and designated as Section 12-00999-42-TL.

- Traffic Signal Improvement for Northwest Quadrant of Lake County: IDOT Agreement and Appropriation.
- The State of Illinois proposes to add LED and Uninterruptible Power Supplies, and the addition of countdown pedestrian signals at 24 intersections within the northwest quadrant of Lake County, in response to the 2011 summer storms.
- This is the fourth phase of a larger project for the entire County.
- The County's portion of this improvement is for the local match along County highways.
- This resolution authorizes the execution of an agreement with the State of Illinois for this improvement, and appropriates \$25,000 of Motor Fuel Tax funds.

**Attachments:** [13-0019 Signal Coordination Northwest Quad IDOT Agreement](#)

**7.17**     **13-0015**

Joint resolution appropriating \$19,080,000 of ¼% Sales Tax for Transportation and Public Safety funds, and authorizing Change Order No. 1 to the agreement with the Lake County Forest Preserve District (LCFPD) for the intersection improvement of Fairfield Road and Illinois Route 176, Fairfield/176 Junction Improvement, and designated as Section 12-00113-17-CH.

- Fairfield/176 Junction Improvement; Construction Appropriation and LCFPD Agreement Change Order No.1.
- This improvement includes the reconstruction and widening of Fairfield Road at Illinois Route 176 from one lane to two lanes for all four legs, the installation of new traffic signals, and the signal interconnection with Lake County PASSAGE.
- Before a project letting can be held, an appropriation of \$19,080,000 of ¼% Sales Tax for Transportation and Public Safety funds is necessary.
- This County Board, at its meeting of February 14, 2012, approved an ordinance for the agreement with the LCFPD, including a budget of \$500,000, for the landscaping and reforestation work.
- Change Order No. 1 is required to reflect the payment of \$500,000 to the LCFPD for the landscaping and reforestation work.

**Attachments:** [13-0015 Fairfield at 176 LCFPD Change Order](#)  
[13-0015 Fairfield at 176 Conceptual Planting Plan](#)

**7.18**     **12-1446**

Joint resolution authorizing an agreement with Civiltech Engineering Inc., Itasca, Illinois, for the provision of Phase III construction engineering services, at the intersection of Fairfield Road at Illinois Route 176, for the proposed Fairfield/176 Junction improvement for a maximum cost of services described as \$1,495,554, appropriating \$1,800,000 of ¼% Sales Tax for Transportation and Public Safety funds for these engineering services, and designated as Section 12-00113-17-CH.

- Fairfield/176 Junction Improvement; Phase III: Consultant Agreement and Appropriation.

- The improvement of the intersection of Fairfield Road at Illinois Route 176 is a chosen project for the transportation challenge bonds 2013 issuance.
- A consultant will be utilized to complete Phase III construction engineering services.
- The selected and recommended firm is Civiltech Engineering, Inc., Itasca, Illinois, for a maximum cost of services described as \$1,495,554.
- This resolution appropriates \$1,800,000 of ¼% Sales Tax for Transportation and Public Safety funds.

**Attachments:** [12-1446 Fairfield at Illinois Route 176 Construction Engineering Consult](#)

**7.19**     [12-1425](#)

Ordinance providing for the establishment of an altered speed zone for 35 M.P.H., currently posted 45 M.P.H, on Edwards Road, located in Antioch and Newport Townships in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- Township Speed Zone Ordinance: Edwards Road, Antioch and Newport Townships.
- Ordinance is required to establish speed zones.
- The necessary speed studies have been undertaken.
- This speed study was requested by, Dan Dziekan, the Newport Township Road Commissioner and Mark Ring, the Antioch Township Road Commissioner.

**7.20**     [13-0022](#)

Director's Report - Transportation

**8.        Executive Session**

**9.        County Administrator's Report**

**10.      Adjournment**