

# **Lake County Illinois**

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



## **Agenda Report - Final**

**Wednesday, January 7, 2015**

**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 [14-1291](#)

Minutes from September 3, 2014.

**Attachments:** [PWT 9.3.14 Final.pdf](#)

3.2 [14-1294](#)

Minutes from October 8, 2014.

**Attachments:** [PWT 10.8.14 Final.pdf](#)

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

**DIVISION OF TRANSPORTATION**

7.1 [14-1279](#)

Joint resolution authorizing a contract with Meade Electric Co., Inc., McCook, Illinois, in the amount of \$421,704.44 for traffic signal interconnects to Lake County PASSAGE, along various routes in Lake County, and designated as Section 14-00268-13-TL.

- [Intelligent Transportation System \(ITS\) PASSAGE Field Elements 2014: Contract Award.](#)
- The ITS PASSAGE Field Elements 2014 includes installation of communication infrastructure (approximately 17,000 feet of fiber and conduit and up to five wireless links), replacing eight traffic signal controllers, and adding up to 11 pan-tilt zoom cameras.
- The added alternative bidding process was used for this letting.
- A total of two bids were received, ranging from \$421,704.44 to \$495,134.90, and the lowest responsible bidder is Meade Electric Co., Inc., McCook, Illinois, with a contract amount of \$421,704.44.

**Attachments:** [Bid Tab, ITS PASSAGE Field Elements 2014](#)

7.2 [14-1280](#)

Joint resolution appropriating \$60,000 of Motor Fuel Tax funds for the 2015 repair and replacement of various guardrail and fence installations, and designated as Section 15-00000-06-GM.

- [Guardrail and Fence Maintenance 2015: Appropriation.](#)
- The County owns miles of guardrails and fences along the highway system, and annual repairs and replacements must be made to various installations.

- Before a material purchase or a contract service can be procured, an appropriation of \$60,000 of Motor Fuel Tax funds is required.

7.3 [14-1313](#)

Joint resolution authorizing the execution of an agreement for consulting engineering services with Gewalt Hamilton Associates, Inc., Vernon Hills, Illinois, for Phase II design engineering services for the reconstruction and widening of Buffalo Grove Road, from Illinois Route 22 to Deerfield Parkway, at a maximum cost of \$1,197,363.11, appropriating \$1,440,000 of ¼% Sales Tax for Transportation funds, and designated as Section 11-00249-03-WR.

- Buffalo Grove Road, Illinois Route 22 to Deerfield Parkway, Phase II: Consultant Agreement and Appropriation.
- Buffalo Grove Road, from Illinois Route 22 to Deerfield Parkway, needs to be reconstructed and widened.
- A consulting engineering firm will be used for the Phase II design engineering for this improvement.
- In accordance with the Local Government Professional Services Selection Act, the recommended firm is Gewalt Hamilton Associates, Inc., Vernon Hills, Illinois.
- This resolution authorizes the execution of a professional services agreement with Gewalt Hamilton Associates, Inc., Vernon Hills, Illinois, at a maximum cost of services described as \$1,197,363.11 and appropriates \$1,440,000 of ¼% Sales Tax for Transportation funds for this improvement.

**Attachments:** [14-1313 Buffalo Grove Road Phase II Consultant Agreement Draft](#)

7.4 [14-1281](#)

Joint committee action item approving Change Order No. 2, for additions to the Winchester Road Compensatory Floodplain Storage construction contract, which is an increase of \$9,361.35, and designated as Section No. 10-00151-22-CH.

- Winchester Road Compensatory Floodplain Storage: LCDOT Change Order No. 2.
- Change Orders need to be approved by the standing committees for cumulative net increases over 10 percent.
- Winchester Road Compensatory Floodplain Storage project is under contract with Berger Excavating Contractors, Inc., in the amount of \$90,371.20.
- After reconciliation of the construction items for the completion of the project, Change Order No. 2 is required.
- The major item contributing to the cost is adjustment of earth excavation quantity to the actual dimensions performed in the field according to the plans.

**Attachments:** [14-1281 Winchester Road Compensatory Floodplain Storage Change C](#)

7.5 [14-1314](#)

Joint resolution authorizing a supplemental appropriation of \$230,000 of Motor Fuel Tax Funds for the construction of the Washington Street Bike Path extension, from Atkinson Road to Lancer Lane, and designated as Section 09-00135-11-BT.

- Washington Street, Atkinson Road to Lancer Lane, Bike Path Extension, Construction: Supplemental Appropriation.
- The County has been allocated federal Congestion, Mitigation and Air Quality (CMAQ)

- funds for this improvement at a maximum amount of \$540,000.
- This County Board, by prior resolution, approved an appropriation of \$165,000 of Motor Fuel Tax funds for the County's share of this project.
- In August 2014, the State of Illinois received two bids for this project, ranging from \$808,129.10 to \$892,000.
- Lake County Division of Transportation requested a re-bid, and in November 2014 the State of Illinois received five bids for this project, ranging from \$776,794 to \$1,077,561.
- This resolution appropriates a supplemental amount of \$230,000 of Motor Fuel Tax funds for this improvement.

7.6 [14-0064](#)

Director's Report - Transportation.

**PUBLIC WORKS**

7.7 [14-1255](#)

Joint resolution authorizing the execution of the Fifth Amendment to Restated and Amended Agreement for Sewage Disposal with the Village of Grayslake.

- The Village has requested that their Sewer Service Area be amended to include a 33 acre parcel known as the SAIA property.
- The parcel is located on the south side of Peterson Road, west of Midlothian Road and east of Route 83 and is proposed to be developed as a trucking terminal.
- Public Works & Transportation Committee policy requires that changes in service area boundaries be evaluated for consistency with factors outlined in the "Considerations and Principles Relating to Intergovernmental Agreements for Sewer and Amendments to Existing Agreements."
- The County has reviewed this request for sewer capacity, service area boundaries, consistency with relevant local plans and has determined that it meets all County parameters for expansion.
- Additional documentation has been provided relative to this parcel by the Village of Grayslake Economic Development Commission.
- This request was discussed at the PWT Committee meeting on August 6, 2014 at which time this item was tabled indefinitely.
- This request was placed on the December 9, 2014 County Board agenda and was referred to the PWT Committee for further consideration.
- This resolution authorizes the execution of the Fifth Amendment to Restated and Amended Agreement for Sewage Disposal with the Village of Grayslake that amends the Sewer Service Area to include service to the SAIA parcel.

**Attachments:** [FIFTH AMENDMENT TO AGREEMENT FOR SEWER DISPOSAL.pdf](#)

[EXHIBIT A \(SAIA Parcel\).pdf](#)

[EXHIBIT B \(SAIA Property Service Area\).pdf](#)

[EXHIBIT C \(GL Sewer Service Area as Amended\).pdf](#)

[EXHIBIT D Sewer Usage Coefficients.pdf](#)

[MEMO.PDF](#)

[MEMO - ATTACHMENT A.PDF](#)

[MEMO - ATTACHMENT B.PDF](#)

[MEMO - ATTACHMENT C.PDF](#)

[MEMO - ATTACHMENT D.PDF](#)

[Grayslake Economic Development Comm on SAIA](#)

[Grayslake 12.19.2014 Letter](#)

[Considerations and Principles Policy](#)

**7.8**     **14-1285**

Joint resolution executing a contract with Wunderlich-Malec Services, Inc. of Minnetonka, Minnesota, in the amount of \$1,146,751 for the SCADA Improvements Phase II Project.

- In July 2012, the Lake County Board approved Phase I improvements for the SCADA System Master Plan for the Department of Public Works.
- The SCADA System Master Plan lays out the improvements necessary to bring a SCADA system online and acquire data electronically through a multi-year, multi-phase project.
- The SCADA Improvements Phase II Project involves the installation of radios, antennas, towers, and the associated electrical upgrades for approximately 40 facilities within the North region.
- An invitation to bid for the SCADA Improvements Phase II Project was issued and invitations were extended to 85 vendors.
- Sealed bids were received from one vendor in the amount of \$1,146,751.
- Wunderlich-Malec Services, Inc. of Minnetonka, Minnesota, is the lowest responsive and responsible bidder who best meets the needs of the County.
- This resolution authorizes execution of a contract with Wunderlich-Malec Services, Inc. in the amount of \$1,146,751.

**Attachments:**   [14-1285 SCADA Bid Tab](#)

**7.9**     **14-1287**

Joint resolution authorizing execution of a professional services agreement with RJN Group, Inc., Wheaton, Illinois, in the amount of \$135,174 for engineering services for the 2015 Infiltration and Inflow Reduction Program.

- The purpose of this project is to install, maintain and operate sanitary sewer flow monitoring stations in the Northwest and Southeast Lake Sewer Systems, and perform a sanitary sewer evaluation survey in a portion of the Northwest Lake Sewer System with known Infiltration and Inflow as identified by a previous flow monitoring project.
- 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 Southeast Lake Sewer System serves the villages of Kildeer, Lake Zurich, Hawthorn Woods, Long Grove, Deerfield, Buffalo Grove, Riverwoods, Lincolnshire and

unincorporated portions of southeastern Lake County.

- The data collected will be used in developing engineering solutions to reduce wet weather infiltration and inflow into the sanitary sewer systems.
- Services are required from a professional engineering firm for this project and RJN Group, Inc. was selected approximately two years via a competitive process to perform work on a similar project.
- The knowledge gained by RJN Group, Inc. working with the County on a similar project adds value integral to this project.
- In accordance with the Local Government Professional Services Selection Act, Public Works recommends contracting with RJN Group, Inc.
- This resolution authorizes and directs the County Purchasing Agent to execute an Agreement for Professional Services with RJN Group, Inc. of Wheaton, Illinois, in the amount of \$135,174 for this work.

**Attachments:** [14-1287 2015 I&I RJN Attachment A](#)

[14-1287 2015 I&I RJN Engineering Services Agreement](#)

**7.10 [14-1286](#)**

Joint resolution authorizing County execution of documents necessary to secure an Illinois Environmental Protection Agency (IEPA) low interest loan for financing of the Des Plaines River Water Reclamation Facility Phases 2 and 3 Improvement Project.

- Improvements are planned to the existing Des Plaines River Water Reclamation Facility to construct Biological Nutrient Removal and Biosolids Drying facilities, to meet new IEPA nutrient limits for flows discharged to the Des Plaines River.
- In order to reduce the financial impact of these improvements, a low interest IEPA loan in the amount of \$31,488,130 is being pursued as the funding source.
- The loan will be paid back via the current Southeast Lake wholesale and retail sewer rate over the next 20 years for all users of the system.
- This resolution authorizes the Director of Public Works to sign appropriate loan application documents for submittal to the IEPA for a low interest loan.

**7.11 [12-1231](#)**

Director's Report - Public Works.

**8. Executive Session**

**9. County Administrator's Report**

**14-1325**

Discussion regarding Solid Waste Agency of Lake County's (SWALCO's) electronic recycling program.

**9.1 [14-1317](#)**

Demonstration of the draft on-line Code of Ordinances.

**10. Adjournment**