

Lake County Illinois

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



Agenda Report - Final

Wednesday, June 8, 2011

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 **11-0465**

Minutes from April 27, 2011.

Attachments: [PWT Minutes 4 27 11 FINAL](#)

11-0579

Minutes from May 4, 2011.

Attachments: [PWT May 4, 2011 Minutes](#)

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

6.1 **10-1359**

Joint Resolution authorizing the execution of a Water Supply and Sales Agreement between the County, the Village of Hawthorn Woods and Aqua Illinois, Inc.

- The County owns and operates a water distribution system that serves 72 properties within the Forest Lake Water System.
- The system has received a violation notice from the IEPA indicating certain deficiencies and an engineering evaluation has indicated that connection to an Aqua Illinois water main will remedy these deficiencies.
- The County, the Village, Aqua Illinois and Pirtano Construction have entered into a recapture agreement that establishes the terms upon which recapture costs are allocated for use of the Aqua water distribution main along Old McHenry Road.
- This resolution authorizes the execution of an agreement between the County, the Village and Aqua Illinois that provides for the provisions and terms of potable water sales by Aqua Illinois to the County's Forest Lake Water System.
- County representatives met with the Forest Lake Home Owner's Association (HOA) on February 8, 2011 and held an open house meeting for the public on March 15, 2011 to answer questions and provide details of the project.
- The County Board approved the Water Supply and Sales Agreement at the April 14th County Board Meeting.
- After the April 14th County Board approval but prior to signature by Board Chairman Stolman, it was discovered that Aqua Illinois filed a rate increase request to the ICC on April 5, 2011 without prior notification or consultation with any of the stakeholders in the area.
- As this board actions was not signed by the Chairman, it was by county board rules sent back to the County Board on May 10, 2011. At which time, the County Board voted to send this agreement back to PW&T Committee for further review and recommendation.
- The County is aggressively challenging the rate increase and has retained consultant

services to assist in conducting a review of the methodology and justification for the Aqua rate increase.

- Staff has investigated the impact on user fees and examined potential options given this rate increase and will review with Committee for further direction.

Attachments: [04.12.11 10-1359 Agreement Forest Lake Aqua HW Water.pdf](#)

[04.12.11 10-1359 Exhibit A Forest Lake Aqua HW Agreement A Map.pdf](#)

[04.12.11 10-1359 Exhibit B ICC Authorized Rate Schedule.pdf](#)

[04.12.11 10-1359 Exhibit C Watering Restriction Ordinance.pdf](#)

[04.15.11 HW Aqua Rate Increase Mailing.pdf](#)

[04.15.11 Forest Lake Aqua Rate Increase Mailing.pdf](#)

7. New Business

PUBLIC WORKS

7.1 [11-0510](#)

Joint resolution authorizing a five year renewal of a delegation agreement between the Illinois Environmental Protection Agency and Lake County for the inspection of local solid waste landfills.

- On February 9, 1993 the County Board authorized the execution of a delegation agreement with the Illinois Environmental Protection Agency (IEPA) for a landfill inspection and enforcement program.
- The 24 operating solid waste facilities and 22 closed landfills are regulated under this agreement, with inspections and enforcement carried out by the Health Department pursuant to an intergovernmental agreement with the County.
- The current delegation agreement is set to expire June 30, 2011.
- IEPA has provided a renewal of the delegation agreement for a five year period, through June 30, 2016.
- Funding for the inspection and enforcement program comes from the Solid Waste Management Tax Fund and an IEPA Enforcement Grant.

7.2 [11-0544](#)

Joint resolution authorizing the execution of an intergovernmental agreement regarding the Diamond Lake Diversion Phase 2 Project and an Agreement for Retail Sanitary Sewer Service with the Village of Mundelein.

- As part of the County's long-term infrastructure improvements program the Diamond Lake Diversion Phase 2 Project requires construction of a major pump station and force main within the municipal jurisdiction of the Village of Mundelein.
- The pump station is contemplated to be located on Lot 5 on Hilgers Court with appurtenances along the right-of-way and will be constructed, operated and maintained by the County.
- The pump station has been sized to accommodate all sanitary sewage flows to be diverted from the Diamond/Sylvan Lake Water Reclamation Facility in addition to providing service to a proposed Village Service Area.
- The Village Service Area includes continued service to 35.91 acres and additional service to 19.88 acres for a total of 55.79 acres.
- The Agreement for Retail Sanitary Sewer Service provides for limits of 569.5 PE for the currently connected 35.91 acres and 298 PE for the additional undeveloped 19.88 acres.

- This resolution authorizes the execution of an intergovernmental agreement and an Agreement for Retail Sanitary Sewer Service with the Village of Mundelein that advances a regional pollution control facility and provides environmental and pollution control benefits for both the Village and the County now and in the future.

Attachments: [11-0544 Mundelein County Diamond Lake Phase II IGA.pdf](#)
[11-0544 Mundelein DL Phase II IGA Exh A Map.pdf](#)
[11-0544 Mundelein DL Phase II IGA Exh B.pdf](#)
[11-0544 Mundelein DL Phase II IGA Exh C.pdf](#)
[11-0544 Mundelein DL Phase II IGA Exh D.pdf](#)
[11-0544 Mundelein DL Phase II IGA Exh E Retail Sewer Agreement WO](#)
[11-0544 Mundelein Retail Sewer Agrmt Exhibits A-C of Exh E.pdf](#)

7.3 **11-0543**

Joint resolution authorizing the execution of an intergovernmental agreement with the Village of Long Grove relating to delivery of water service to Herons Landing Subdivision.

- Herons Landing is a 118 lot subdivision in the Village of Long Grove that is presently served by private wells.
- The subdivision Home Owners Association approached the Village and requested Lake Michigan Water and the County petitioned and received approval from Central Lake County Joint Action Waver Authority (CLCJAWA) to deliver water to Herons Landing through our Vernon Hills water system.
- The Village is establishing a Sewer Service Agreement (SSA) to fund the water system improvements and is proposing to convey the proceeds of the SSA bonds to the County. The County will design and construct the water system and subsequently own, operate and maintain the water system.
- This resolution authorizes the execution of an agreement between the County and the Village that establishes the rights and responsibilities of the parties regarding the SSA and the design, construction, ownership and maintenance of the water system.

Attachments: [11-0543 Long Grove Herons Landing Retail Water Agreement.pdf](#)
[11-0543 Long Grove Herons Landing Agrmt Exh A Legal Description.pdf](#)
[11-0543 Long Grove Herons Landing Agrmt Exh B Depiction.pdf](#)
[11-0543 Long Grove Herons Landing Agrmt Exh C Probable Costs.pdf](#)
[11-0543 Long Grove Herons Landing Exh D Sample License Agrmt.pdf](#)
[11-0543 Long Grove Herons Landing Exh E 2006 Water Use Ordinance.](#)

7.4 **11-0546**

Joint resolution authorizing the execution of an agreement for professional services with RHMG, Inc. for design engineering services associated with the Herons Landing Water Main Project

- Herons Landing is an existing 118 lot subdivision in the Village of Long Grove that is presently served by individual private wells.
- The subdivision HOA approached the Village and requested Lake Michigan water and

the County petitioned and received approval from CLCJAWA to delivery water to Herons Landing through our Vernon Hills water system.

- The Village is establishing a SSA to fund the water system improvements and is proposing to convey the proceeds of the SSA bonds to the County. The County will design and construct the water system and subsequently own, operate and maintain the water system.
- This resolution authorizes the execution of a professional services agreement with RHMG, Inc. in the amount of \$129,177 for design engineering for the Herons Landing water system.

Attachments: [11-0546 Herons Landing RHMG Engineering Proposal.pdf](#)

7.5 [11-0532](#)

Joint resolution authorizing Robert Skidmore, Treasurer to withdraw monies from Series A 2010 Construction Account to pay construction cost items.

- The County issued bonds in October 2010 in the amount of \$ 20,000,000 to construct various water and sewer system improvements.
- Per the County Bond Ordinance, the County Board must approve disbursements of bond proceeds within the Construction Account.
- This withdrawal represents Payout No. 7 and pays several invoices related to various projects in the total amount of \$441,254.94.

Attachments: [11-0532 Series A 2010 Payout #7 Cost List Exhibit.pdf](#)

7.6 [11-0545](#)

Joint resolution authorizing execution of a contract with Synagro Central, LLC of Baltimore, MD, in the amount of \$ 592,600 for the biosolids management program.

- Public Works operates and maintains four water reclamation facilities, which produce biosolids (sludge) as a by-product of the treatment process. The biosolids are hauled away and land applied or land filled.
- The County received bids from two (2) contractors for this work.
- Award of this contract is recommended to the lowest responsive, responsible bidder, Synagro Central, LLC in the amount of \$ 592,600 for annual contract performance, effective for a two (2) year period with the right to renew the contract for three (3) additional one (1) year periods.
- Synagro is our current biosolids contractor and has been performing this service for us for 20 years. Their work product has been excellent.
- This resolution authorizes and directs the purchasing agent to execute a one-year contract with renewals with Synagro Central, LLC, Baltimore, MD in the amount of \$ 592,600 for the Biosolids Management Program.

7.7 [11-0310](#)

Director's Report - Public Works.

TRANSPORTATION

7.8 [11-0525](#)

Joint resolution awarding a contract for annual bituminous shoulder maintenance of sections of various county highways to the lowest responsible bidder Chicagoland Paving Contractors, Lake Zurich, Illinois, in the amount of \$174,800 and designated as Section 11-00000-15-GM

- 2011 Bituminous Shoulder Maintenance: Contract Award.
- Each year the Division of Transportation contracts for bituminous shoulder maintenance throughout the county highway system.
- The added alternative bidding process was used for this letting.
- A total of 5-bids were received and the lowest responsible bidder is Chicagoland Paving Contractors, Lake Zurich, Illinois, in the amount of \$174,800.

Attachments: [11-0525 2011 HMA Shoulder Bid Tabulation.pdf](#)

7.9 **11-0526**

Joint resolution awarding a contract for the construction of the Hainesville Road bike path, Stage 2b to the lowest responsible bidder, Copenhaver Construction, Gilberts, Illinois, in the amount of \$104,550.90 and designated as Section 08-00072-11-BT.

- Hainesville Road Bike Path, Stage 2b; Contract Award.
- A bike path will be built along the east side of Hainesville Road from 175 feet south of Heritage Trail to IL Route 120, Stage 2b.
- A total of six bids were received and the lowest responsible bidder is Copenhaver Construction, Gilberts, Illinois, in the amount of \$104,550.90.

Attachments: [11-0526 Hainesville Road Bike Path Bid Tabulation.pdf](#)

7.10 **11-0527**

Joint resolution awarding a contract for the concrete pavement patching on various county highways to the lowest responsible bidder Greg Greenhill Construction Co., Inc., Ringwood, Illinois, in the amount of \$159,788.05 and designated as Section 11-00000-09-GM.

- 2011 Concrete Pavement Patching: Contract Award
- Each year the Division of Transportation contracts for patching concrete pavements throughout the county highway system.
- The added alternative bidding process was used for this letting.
- A total of 3 bids were received and the lowest responsible bidder is Greg Greenhill Construction Co., Inc., Ringwood, Illinois in the amount of \$159,788.05.

Attachments: [11-0527 2011 Concrete Patching Bid Tabulation.pdf](#)

7.11 **11-0528**

Joint resolution awarding a contract for the surfacing and patching of various segments of Lake County Division of Transportation bike paths to the lowest responsible bidder Chicagoland Paving Contractors, Lake Zurich, Illinois, in the amount of \$57,700 and designated as Section 11-00000-11-RS.

- 2011 Bike Path Repaving: Contract Award.
- Surfacing or patching is being done on portions of the North Shore Bike Path and Robert McClory Bike Path.
- The added alternative bidding process was used for this letting.
- A total of 6 bids were received and the lowest responsible bidder is Chicagoland Paving Contractors, Lake Zurich, Illinois in the amount of \$57,700.

Attachments: [11-0528 2011 Bike Path Re-Paving Bid Tabulation.pdf](#)

7.12 **11-0535**

Joint resolution appropriating \$160,000 of County Bridge Tax funds for the replacement or repair of corrugated steel culvert pipes at various locations on the Lake County highway system and designated as Section 10-00999-13-DR.

- Culvert Replacement: Appropriation.
- Various corrugated steel culvert pipes under Center Street, Dilley's Road, Fairfield Road, Gelden Road, Miller Road and Riverwoods Road are at the end of their useful service lives and are in need of replacement or repair.
- Before a project letting can be held, an appropriation of \$160,000 of County Bridge Tax funds is necessary.

7.13 **11-0536**

Joint resolution appropriating \$420,000 of Motor Fuel Tax funds for the installation of traffic control signals at the intersection of Hainesville Road and Shorewood Drive and designated as Section 11-00072-12-TL.

- Hainesville Road at Shorewood Drive, Traffic Signal Installation; Appropriation.
- A traffic study showed the warrants for the installation of traffic control signals at the intersection of Hainesville Road at Shorewood Drive were met.
- Before a project letting can be held, an appropriation of \$420,000 of Motor Fuel Tax funds is necessary.

7.14 **11-0537**

Joint resolution authorizing an emergency appropriation of \$21,815,896.70 in the 2011A Road Construction Bond fund for road improvements to public roads within the County, and designated as Section 11-00999-19-GB.

- Lake County 2011A Road Construction Bond Fund: Construction Appropriation.
- Lake County Board, at its meeting of March 15, 2011, approved the issuance of General Obligation Bonds (Sales Tax Alternate Revenue Source).
- The County has issued the bonds to pay for road improvements to public roads within the County.
- It is now necessary to budget funds in a newly created Road Construction Bond Fund and also to budget for the revenues generated by the receipt of the bond proceeds.

7.15 **11-0538**

Joint resolution authorizing the execution of a master agreement between Lake County and the Village of Hawthorn Woods regarding the cost for construction, installation, and maintenance associated with current and future traffic control signals under the jurisdiction of the Lake County Division of Transportation.

- County Signals; Traffic Signal Master Agreement: Village of Hawthorn Woods.
- Several agreements are in place with the Village of Hawthorn Woods regarding the costs of maintenance, construction, installation and future costs associated with various existing county owned traffic control signals.
- Lake County is in the process of consolidating various traffic signal agreements with municipalities into new master agreements with provisions for adding new traffic signals to the master agreement.
- The master agreements include the provision for Emergency Vehicle Preemption Systems (EVPS) so that the local agency will be responsible for maintenance and future cost of the emitters, and LCDOT will be responsible for maintenance and future cost for preemption systems.

Attachments: [11-0538 Master Agreement Lake Co and Hawthorn Woods.pdf](#)

7.16 [11-0560](#)

Joint resolution authorizing the execution of Amendment # 2 to the agreement for the use of federal highway funds between the State of Illinois and Lake County for Phase II design engineering services for the improvements to the Arlington Heights Road at Buffalo Creek northbound Bridge and designated as Section 05-00193-04-BR.

- [Arlington Heights Road Northbound over Buffalo Creek, Bridge Deck Beam Replacements; Supplemental Phase II: IDOT Agreement.](#)
- The County has been allocated federal HBP funds to rehabilitate this bridge and IDOT administers all federal highway funds.
- The Phase II design engineering scope of work is being expanded to provide for the consultant to review shop drawings for construction.
- This agreement provides for the County to receive 80% reimbursement for the cost of this Amendment #2.

Attachments: [11-0560 Arlington Heights Road Northbound Bridge Supplemental Phas](#)

7.17 [11-0561](#)

Joint resolution authorizing the execution of a second supplemental agreement between Lake County and MACTEC Engineering and Consulting Inc., Chicago, Illinois, for the provision of additional Phase II design engineering services for the replacement of the deck beams of the bridge carrying northbound Arlington Heights Road over Buffalo Creek at a supplemental cost of \$12,975. This resolution also provides a \$15,000 supplemental appropriation of County Bridge Tax funds and designated as Section 05-00193-04-BR.

- [Arlington Heights Road Northbound over Buffalo Creek, Bridge Deck Beam Replacements: Second Supplemental Phase II: Consultant Agreement and Appropriation.](#)
- The selected firm of MACTEC Engineering & Consulting Inc., Chicago, Illinois, is proceeding with the Phase II engineering services.
- It is necessary to expand Phase II engineering services to provide for IDOT and Lake County DOT to review shop drawings for construction documents.
- This resolution authorizes the execution of a second supplemental agreement with MACTEC Engineering & Consulting Inc.
- This resolution also provides a \$15,000 supplemental appropriation of County Bridge Tax funds.

Attachments: [11-0561 Arlington Heights Road Northbound Bridge Supplemental Phas](#)

7.18 [11-0563](#)

Joint resolution authorizing an agreement for professional engineering services between Lake County and McDonough Associates, Inc., Chicago, Illinois, for Phase II design engineering services for the proposed ultra-thin concrete whitetopping of Deerfield Parkway and Buffalo Grove Road at a maximum cost of services described as \$57,604.41 and appropriates \$70,000 of Matching Tax funds for these engineering services designated as Section 10-00999-11-RS.

- [Deerfield Parkway and Buffalo Grove Road Resurfacing: Consultant Agreement and Appropriation.](#)
- Consulting engineering services will be utilized to prepare plans, specifications and estimates of costs for this roadway resurfacing for a 2012 letting.
- The project will consist of the installation of ultra-thin concrete whitetopping over a milled bituminous surface on the two roads and building a connecting sidewalk along Deerfield Parkway.

- The selected and recommended consultant is McDonough Associates, Inc., Chicago, Illinois at a maximum cost of services of \$57,604.41.
- This resolution also appropriates \$70,000 of Matching Tax funds for these engineering services designated as Section 10-00999-11-RS.

Attachments: [11-0563 Deerfield Parkway & BG Road Resurfacing, Consultant Agree](#)

7.19 [11-0550](#)

Presentation on the proposed 2011-2016 Highway Improvement Program

7.20 [11-0569](#)

Director's Report - Transportation

8. Executive Session

9. County Administrator's Report

10. Adjournment