

Lake County Illinois

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



Agenda Report - Final

Wednesday, July 6, 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 [11-0698](#)

Minutes from June 8, 2011

Attachments: [PWT 6.8.11 Minutes](#)

4. Public Comment

5. Added to Agenda

6. Old Business

6.1 [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 the Central Lake County Joint Action Water Agency (CLCJAWA) to deliver water to Herons Landing through our Vernon Hills water system.
- The Village has established a Special Service Area (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.
- The Village has passed a resolution approving and authorizing the execution of an intergovernmental agreement with the County relating to delivery of water service to the Herons Landing Subdivision subject to the County's approval.
- This resolution authorizes the execution of an intergovernmental 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 IGA FINAL Long Grove Herons Landing Retail Water.pdf](#)

[11-0543 Exh A Herons Landing IGA Legal Description.pdf](#)

[11-0543 Exh B Herons Landing IGA Depiction.pdf](#)

[11-0543 Exh C Herons Landing IGA Internal Plumbing.pdf](#)

[11-0543 Exh D Herons Landing IGA Probable Costs.xlsx](#)

[11-0543 Exh E Herons Landing License Agreement.pdf](#)

[11-0543 Exh F Herons Landing IGA Application for Service.pdf](#)

[11-0543 Exh G Herons Landing IGA 2006 Water Use Ordinance.pdf](#)

6.2 [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.

- The Herons Landing 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. New Business

PUBLIC WORKS

7.1 [11-0679](#)

Resolution authorizing the execution of a utility easement agreement with the Village of Vernon Hills for sanitary sewer main along the Seavey drainage ditch.

- As part of the Diamond Sylvan Lake Phase 3 Diversion Project it is necessary to construct a portion of the sanitary sewer main along the Seavey drainage ditch owned by the Vernon Hills Park District.
- The Park District has agreed to provide a temporary construction easement and a permanent utility easement which will allow the County to construct, operate and maintain the sanitary sewer main along the Seavey drainage ditch.
- This resolution authorizes the Director of Public Works to execute the utility easement agreement with the Vernon Hills Park District.

7.2 [11-0677](#)

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. 8 and pays several invoices related to various projects in the total amount of \$369,384.45.

Attachments: [11-0677 Series A 2010 Payouts #8 Cost List Exhibit.pdf](#)

7.3 [11-0682](#)

Presentation of the FY 2010 Audit for the Public Works Enterprise Funds.

- An annual audit of the Public Works Department is conducted as a separate audit from

County because Public Works operates as an Enterprise Fund with funding generated via water and sewer rate payers.

- Baker Tilly Virchow Krause, LLP was hired by the County to conduct the Public Works Enterprise audit and has prepared a financial statements report in addition to a management letter for FY 2010.
 - Audit highlights and a review of the FY 2010 financial statements will be provided by Mr. John Andres, CPA, Partner of Baker Tilly Virchow Krause, LLP.

Attachments: [11-0682 FY2010 Audit Letter](#)

[11-0682 FY2010 Financial Statements](#)

7.4 11-0695

Director's Report - Public Works.

TRANSPORTATION

7.5 [11-0650](#)

Joint resolution authorizing a contract for the resurfacing of Cedar Lake Road from Rosedale Court to Rollins Road and from Monaville Road to Illinois Rte 132 to Peter Baker & Son Co., Inc., Lake Bluff, Illinois in the amount of \$1,271,781.13 and designated as Section 11-00999-18-RS.

- [Cedar Lake Road Resurfacing: Contract Award](#)
- This resurfacing improvement has been identified within the county's pavement management system and is included in the 2011 program.
- A total of 4 bids were received and the lowest responsible bidder is Peter Baker & Son Co., Inc., Lake Bluff, Illinois, in the amount of \$1,271,781.13.

Attachments: [11-0650 Bid Tabulation - Cedar Lake Road Resurfacing.pdf](#)

7.6 [11-0651](#)

Joint resolution authorizing a contract for the resurfacing of Ela Road from just north of Lake-Cook Road to Cuba Road to Peter Baker & Son Co., Inc., Lake Bluff, Illinois, in the amount of \$774,324.84 and designated as Section 09-00144-16-RS.

- [Ela Road Resurfacing: Contract Award](#)
- This resurfacing improvement has been identified within the county's pavement management system and is included in the 2011 program.
- A total of 5 bids were received and the lowest responsible bidder is Peter Baker & Son Co., Inc., Lake Bluff, Illinois, in the amount of \$774,324.84.

Attachments: [11-0651 Bid Tabulation - Ela Road Resurfacing.pdf](#)

7.7 [11-0652](#)

Joint resolution authorizing a contract for the reconstruction and widening of Delany Road from Sunset Avenue to York House Road to Curran Contracting Company, Crystal Lake, Illinois, in the amount of \$10,056,082.94 and designated as Section 00-00093-17-WR.

- [Delany Road Reconstruction and Widening: Contract Award](#)
- This widening and reconstruction improvement is included in the 2011 program.

- A total of 3 bids were received and the lowest responsible bidder is Curran Contracting Company, Crystal Lake, Illinois, with a contract amount of \$10,056,082.94.

Attachments: [11-0652 Bid Tabulation - Delany Road Reconstruction.pdf](#)

7.8 [11-0653](#)

Joint resolution awarding a contract for the removal, replacement or refurbishment of thermoplastic pavement markings on the bituminous pavements of various county highways to the lowest responsible bidder Superior Road Striping, Inc., Melrose Park, Illinois, in the amount of \$542,751.25 and designated as Section 11-00000-18-GM.

- [2011 Thermoplastic Pavement Markings for Bituminous Pavements: Contract Award](#)
- The county has miles of pavement markings for medians, lane lines and cross walks on bituminous pavements. These markings last longer than paint but eventually require replacement.
- The added alternative bidding process was used for this letting.
- A total of 3 bids were received and the lowest responsible bidder is Superior Road Striping, Inc., Melrose Park, Illinois, in the amount of \$542,751.25.

Attachments: [11-0653 Bid Tabulation - 2011 Thermoplastic Pavement Marking Replac](#)

7.9 [11-0654](#)

Joint resolution awarding a contract for removal and replacement of pavement markings on existing concrete pavements on various county highways, where necessary, to the lowest responsible bidder Maintenance Coatings, South Elgin, Illinois, in the amount of \$29,890.40 and designated as Section 11-00000-19-GM.

- [2011 Pavement Markings for Concrete Pavements: Contract Award](#)
- Each year the Division of Transportation contracts for concrete pavement markings throughout the county highway system.
- The added alternative bidding process was used for this letting.
- A total of 2-bids were received and the lowest responsible bidder is Maintenance Coatings, South Elgin, Illinois, in the amount of \$29,890.40.

Attachments: [11-0654 Bid Tabulation - 2011 Concrete Pavement Marking Replaceme](#)

7.10 [11-0655](#)

Joint resolution authorizing a contract for the cleaning and painting of five bridges at various locations throughout the county to Thomas Industrial Coatings, Inc., Pevely, Ohio, in the amount of \$184,992.40 and designated as Section 11-000999-16-BR.

- [Bridge Painting at Five Locations: Contract Award](#)
- Cleaning and painting of five bridges at various locations throughout the county.
- This improvement is included in the 2011 program.
- A total of 2 bids were received and the lowest responsible bidder is Thomas Industrial Coatings, Inc., Pevely, Ohio with a contract amount of \$184,992.40.

Attachments: [11-0655 Bid Tabulation - 2011 Bridge Painting.pdf](#)

7.11 [11-0656](#)

Joint resolution authorizing a contract for the replacement of two failing concrete block

retaining walls on Ela Road, 1000 feet south of Cuba Road to Copenhaver Construction, Inc., Gilberts, Illinois, in the amount of \$174,098 and provides a supplemental appropriation of \$40,000 of matching tax funds for and designated as section 11-00000-03-GM.

- [2011 Retaining Wall Maintenance: Contract Award](#)
- The design of the replacements of these failing retaining walls was completed in FY2010.
- The replacement of these retaining wall replacements is included in the FY2011 program.
- A total of 7 bids were received and the lowest responsible bidder is Copenhaver Construction, Inc. of Gilberts, Illinois, with a contract amount of \$174,098.
- A supplemental appropriation of \$40,000 of Matching Tax funds is provided.

Attachments: [11-0656 Bid Tabulation - 2011 Retaining Wall Maintenance.pdf](#)

[11-0656 Bid Justification Memo Ela Road.pdf](#)

7.12 [11-0658](#)

Joint resolution awarding a contract for bituminous pavement patching, where necessary, on various county highways to the lowest responsible bidder Chicagoland Paving Contractors, Inc., Lake Zurich, Illinois, in the amount of \$488,697 and designated as Section 11-00000-16-GM.

- [2011 Bituminous Pavement Patching: Contract Award](#)
- Each year the County undertakes patching of its bituminous pavements to preserve the surface quality.
- Patching is done on isolated sections of pavements that are not on the list of resurfacing/rehabilitation/reconstruction projects, as programmed in the 5-year program from the results of the pavement management system.
- 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, Inc., Lake Zurich, Illinois, in the amount of \$488,697.

Attachments: [11-0658 Bid Tabulation - 2011 Bituminous Pavement Patching.pdf](#)

7.13 [11-0674](#)

Joint resolution authorizing the execution of a master agreement between Lake County and the Village of Libertyville 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, LCDOT, and interconnection with Lake County PASSAGE.

- [County Signals; Traffic Signal Master Agreement: Village of Libertyville](#)
- Several agreements are in place with the Village of Libertyville 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 agreement includes the provision for Emergency Vehicle Preemption Systems 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.

- This master agreement also addresses the interconnection with Lake County PASSAGE.

Attachments: [11-0674 County Signals; Traffic Signal Master Agreement ,Village of Lib](#)

7.14 [11-0662](#)

Joint resolution authorizing an intergovernmental agreement between Lake County and the University of Illinois, Urbana-Champaign, Department of Civil Engineering, for the development of an advanced analysis and design tool for optimization of snow plow routes. This resolution also appropriates \$95,000 of Matching Tax Funds and is designated as Section 11-00000-20-ES.

- [University of Illinois, Urbana-Champaign; Analysis and Design Tool for Optimization of Snow Plow Routes: Intergovernmental Agreement](#)
- Lake County Division of Transportation, LCDOT, currently plows over 800 lane miles of county highways.
- University of Illinois, Urbana-Champaign, Civil Engineering Department, has demonstrated experience in advanced route optimization modeling and the development of route analysis and design tools.
- An intergovernmental agreement is necessary for the University of Illinois, Urbana-Champaign, Civil Engineering Department to develop an analysis and design tool for Lake County to use for optimization of snow plow routes in Lake County.
- This resolution also appropriates \$95,000 of Matching Tax Funds.

Attachments: [11-0662 Snow Route for Lake County 06-28-2011 rev.docx](#)

[11-0662 Contract Lake County.docx](#)

7.15 [11-0647](#)

Joint resolution authorizing an intergovernmental agreement between Lake County and the Wauconda Fire District for the sharing of PASSAGE traffic monitoring video data along various county highways, state roads and toll roads in and about Lake County.

- [Wauconda Fire District PASSAGE Video Sharing Agreement](#)
- Lake County PASSAGE contains an Advanced Traffic Management System, which includes collecting traffic monitoring video images and traffic signal data.
- The County and the Fire District desire to share video data in order to improve their effectiveness and efficiency.

Attachments: [Wauconda Fire District PASSAGE Video Sharing Agreement Attachment](#)

7.16 [11-0684](#)

Joint resolution appropriating \$1,100,000 of Motor Fuel Tax funds for the maintenance of traffic control signals, street lights and Lake County PASSAGE field elements from December 1, 2011, to November 30, 2012, and designated as Section 12-00000-01-GM.

- [2012 Patrol I; Traffic Signal Maintenance: Appropriation](#)
- Patrol I maintenance activities are paid out of the Motor Fuel Tax fund, including the maintenance of the county traffic control signals and other field equipment and field

elements of Lake County PASSAGE.

- Before a project letting can be done, an appropriation of funds is needed.
- This resolution appropriates \$1,100,000 of Motor Fuel Tax funds.

7.17 **11-0685**

Joint resolution authorizing the execution of an agreement between the State of Illinois and Lake County for the improvements to the traffic control signals at the intersections of US Rte 41 at King Drive, Wadsworth Road and Stearn School Road; IL Rte 173 at Delany Road and Kilbourne Road; and IL Rte 131 at 21st Street and Russell Road. This resolution appropriates \$20,000 of Motor Fuel Tax funds for these improvements designated as Section 11-00999-21-TL.

- Traffic Signal Improvements along US Rte 41, IL Rte 173 and IL Rte 131: Appropriation and IDOT Agreement
- The State of Illinois proposes to utilize federal highway funds to improve the existing traffic control signals at the intersections of US Rte 41 at King Drive, Wadsworth Road and Stearn School Road; IL Rte 173 at Delany Road and Kilbourne Road; and IL Rte 131 at 21st Street and Russell Road.
- The County's portion of this improvement is for the prorated local share based on the County's approach leg.
- This resolution authorizes the execution of an agreement with the State of Illinois for these improvements and appropriates \$20,000 of Motor Fuel Tax funds.

Attachments: [11-0685 Traffic Signal Improvement, IDOT Agreement.pdf](#)

7.18 **11-0675**

Joint resolution authorizing the execution of a contract with Christopher Burke Engineering, Ltd, Rosemont, Illinois, for the provision of Phase I preliminary engineering services for the proposed Deerfield Road Bike Path from Illinois Route 21 to the Des Plaines River Trail at a maximum cost of services described of \$214,477.85; and appropriates \$255,000 of County Bridge Tax funds for this improvement and designated as Section 10-00038-05-BT.

- Deerfield Road Bike Path, IL Rte. 21 to the Des Plaines River Trail: Phase I Consultant Agreement and Appropriation
- This project would connect the existing bike paths west of Illinois Route 21 to the bike path over the Des Plaines River and also connect to the Lake County Forest Preserve District's Des Plaines River Trail.
- A consultant will be utilized to undertake Phase I preliminary engineering services to determine the final recommended improvement.
- This resolution authorizes the execution of professional services agreement with Christopher Burke Engineering, Ltd, Rosemont, Illinois for Phase I preliminary engineering services and appropriates \$255,000 of County Bridge Tax funds.

Attachments: [11-0675 Deerfield Road Bike Path Phase I Consultant Agreement.pdf](#)

7.19 **11-0648**

Joint resolution authorizing the application to the Regional Transportation Authority (RTA) for a 2-year grant for the Northwest Demonstration Project Dial-a-Ride in cooperation with the townships of Antioch, Avon, Grant and Lake Villa under the Job Access Reverse Commute, JARC, and New Freedom, NF, Program; subject to further

County Board approval of the county funds required.

- Northwest Demonstration Dial-a-Ride Project: RTA JARC/NF Grant Application
- The 2011 RTA grant cycle is underway.
- The Lake County Inter/Intra County Paratransit Transportation Plan was completed in spring of 2011.
- The 2011 RTA JARC/NF grant application will further the Plan's goals and objectives by continuing the existing Demonstration Project while the Lake County Coordinated Transportation Services Committee, LCCTSC, works to implement coordination among the existing services.
- The Northwest Demonstration Project, was created by the LCCTSC with support from the townships of Antioch, Avon, Grant and Lake Villa and is operated by PACE.
- The requested RTA grant funds are from the federal New Freedom and JARC Program.
- The county's role will be grant coordinator and funding towards the local match.
- Any grant contract is subject to further board approval regarding allocations of the necessary ¼% sales tax for transportation funds.

7.20 [11-0657](#)

Joint resolution authorizing a contract for bituminous pavement removal and resurfacing of Oak Spring Road from the Des Plaines River east to the corporate limits in Libertyville Township Road District and designated as Section 11-10126-00-GM, to Peter Baker & Son Company, Lake Bluff, Illinois, in the amount of \$73,018.47.

- 2011 Township Motor Fuel Tax; Libertyville Township Road District: Part II Contract Award.
- A total of 4 bids were received and the lowest responsible bidder is Peter Baker & Son Company, Lake Bluff, Illinois, in the amount of \$73,018.47.

Attachments: [11-0657 Bid Tabulation - 2011 Libertyville Road District Part II.pdf](#)

7.21 [11-0619](#)

Ordinance providing for the establishment of an altered speed zone for 30 m.p.h., currently 35 m.p.h., on Miller Road, located in Ela Township in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- Township Speed Zone Ordinance: Miller Road in Ela Township
- The ordinance is required to establish speed zones, and the necessary speed studies that have been undertaken.
- Change is to 30 m.p.h. from the current 35 m.p.h. and the speed change limits are from Del Court to Echo Lake Road.

7.22 [11-0649](#)

Committee action endorsing the proposed 2011-2016 Highway Improvement Program.

- Proposed 2011-2016 Highway Improvement Program
- Annually, the proposed 5-Year Highway Program is prepared and discussed with the committee during the spring.
- Components of the new 5-year program have been presented at the last several meetings and other components distributed.
- The new program is effective with endorsement by committee.
- The 2012 portion of the program is the LCDOT's budget submittal for FY2011 in the

highway capital funds.

7.23 [11-0676](#)

Director's Report - Transportation

- 8. Executive Session**
- 9. County Administrator's Report**
- 10. Adjournment**