

Lake County Illinois

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



Agenda Report - Final

Wednesday, November 2, 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
4. Added to Agenda
5. Public Comment
6. Old Business
7. New Business

PUBLIC WORKS

7.1 **11-1131**

Joint resolution authorizing Robert Skidmore, Treasurer to withdraw monies from the Bond Series A of 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. 12 and pays several invoices related to various projects in the total amount of \$1,064,395.77.

Attachments: [11-1131 Series A 2010 Payout #12 Cost List.pdf](#)

7.2 **11-1141**

Joint resolution executing an agreement with RHMG, Inc. in the amount of \$91,046 for design engineering services for the FY 2012 Water Main Replacement Project.

- Each year segments of older deteriorated water mains are designated for replacement which requires engineering plans and specifications be prepared by a qualified engineering firm.
- The FY 2012 replacement project includes approximately 9,500 feet of pipeline replacement throughout Lake County water systems.
- Three engineering firms were selected to submit qualifications for this design work.
- Based on staff evaluations, RHMG, Inc. of Libertyville, IL is the most qualified firm and a scope of services was negotiated for the project.
- Committee authorization and County Board approval is requested to execute an agreement for professional engineering services with RHMG in the amount of \$91,046 for the design and drawing preparation of the FY 2012 Water Main Replacement Project.

Attachments: [11-1141 FY2012 Watermain Replacement Map 2154.pdf](#)

[11-1141 FY2012 Watermain RHMG Contract Agreement.pdf](#)

7.3 **11-1133**

Joint committee action approving Change Order No. 2 for professional engineering services with RHMG, Inc. for design of the Vernon Hills NCT WRF Improvements

Project.

- Change orders that exceed 10% of the original contract amount must be reviewed and approved by the PWT and F&A Committees.
- This change order associated with design work for the Vernon Hills NCT WRF improvements project totals \$27,240 and exceeds 10% of the original contract.
- As part of the design phase of the project, Public Works staff has increased the scope of the project by requesting additional operational and maintenance improvements be included in the design.
- These additional improvements include replacement of the existing lighting in the Filter Building, replacement of the three overhead doors in the Filter Building, revision of the pump control system for the chlorine tank dewatering pumps, and inclusion of a new level control system for the clarifier pump station.
- These additional items are necessary for proper operation and control of the plant. By including these items with this project, we will realize better cost efficiencies.
- Change Order #2 increases the amount of the engineering services contract by \$27,240 from \$158,278 to \$185,518.

Attachments: [11-1133 NCT WRF Improvement RHMG Change Order #2.pdf](#)

7.4 [11-1132](#)

Joint resolution authorizing execution of a contract with Independent Mechanical Industries, Inc. of Chicago, IL in the amount of \$454,400 for the Des Plaines River Water Reclamation Facility Blower Installation Project.

- The Des Plaines River WRF is a major wastewater treatment plant that provides service for the Villages of Buffalo Grove, Hawthorn Woods, Lake Zurich, Long Grove, Lincolnshire, Riverwoods and unincorporated portions of Southeast Lake County and major equipment has reached the end of its useful life requiring rehabilitation.
- This project will include the installation of two replacement aeration blowers plus the installation of five blower starter units in Battery B.
- The County received bids from six contractors for this work.
- Award of this contract is recommended to the lowest responsive, responsible bidder, Independent Mechanical Industries, Inc. in the amount of \$454,400.
- This resolution authorizes and directs the County Purchasing Agent to execute a contract with Independent Mechanical Industries, Inc., Chicago, IL in the amount of \$454,400 for the Des Plaines River WRF Blower Installation Project.

Attachments: [11-1132 DPRWRF Blower Install Bid Tab.pdf](#)

[11-1132 DPRWRF Blower Install Recommendation IMI.pdf](#)

7.5 [11-1143](#)

Joint resolution authorizing execution of a contract with Concord Construction Services, Inc. of Lake Zurich, IL in the amount of \$2,069,800 for the Vernon Hills NCT Water Reclamation Facility Miscellaneous Improvements Project.

- The Vernon Hills NCT WRF is a major wastewater treatment plant that provides service for the Village of Vernon Hills and unincorporated portions of Southeast Central Lake County and major equipment has reached the end of its useful life requiring rehabilitation.
- This project includes replacement of two effluent filters, replacement of three sludge

pumps, and repair to two clarifiers, along with other miscellaneous building and equipment improvements and repairs.

- The County received bids from eight contractors for this work.
- Award of this contract is recommended to the lowest responsive, responsible bidder, Concord Construction Services, Inc. in the amount of \$ 2,069,800.
- This resolution authorizes and directs the County Purchasing Agent to execute a contract with Concord Construction Services, Inc., Lake Zurich, IL in the amount of \$2,069,800 for the Vernon Hills NCT WRF Miscellaneous Improvements Project.

Attachments: [11.08.11 NCT Misc Improv Bid Tab.pdf](#)

7.6 [11-1142](#)

Joint committee action approving Change Orders No. 1 and 2 for professional financial services with Baker Tilly related to the Public Works Water and Sewer Rate Study.

- Change Orders that exceed 10% of the original contract amount must be reviewed and approved by the PWT and F&A Committees.
- This change order associated with the water and sewer rate study totals \$46,000 and exceeds 10% of the original contract.
- As part of the rate study, Public Works staff has increased the scope of the project by requesting additional services.
- These additional services include revision of the sewer rate structure to include one rate for each retail region, revise the study to reflect forecasted 2012 test year, evaluate minimum bill charges vs. fixed charges, evaluate conservation rates such as an increasing block rate structure, evaluate summer sewer credit, assess the potential for a private/public fire protection charge.
- These additional items are necessary to fully consider and evaluate the County's proposed water and sewer rates and the associated rate designs.
- Change Orders #1 and #2 increases the amount of the financial services contract by \$46,000 from \$75,000 to \$121,000.

Attachments: [11-1142 Baker Tilly Change order 1 & 2 Water and Sewer rate study](#)

7.7 [11-1148](#)

Joint resolution authorizing execution of an easement agreement with New Cingular Wireless for the installation, repair, maintenance and replacement of a fiber optic cable at the Lake County Grandwood Park Water Tower Facility.

- The department operates and maintains a water tower at Grandwood Drive and Hutchins Road.
- The County previously executed a lease agreement with New Cingular Wireless authorizing installation of cell antenna facilities at the Grandwood Park site.
- This easement agreement establishes the terms and provisions by which New Cingular Wireless must repair, maintain and replace the fiber optic cable.
- This resolution authorizes the execution of an easement agreement between the County and New Cingular Wireless.

Attachments: [11-1148 New Cingular Easement Agreement GWP Tower.pdf](#)

7.8 [11-1126](#)

Joint resolution authorizing an emergency appropriation in the amount of \$10,350,000

to fund two projects in Fiscal Year 2012, with said funding to be provided by FY 2011 Fund Balance.

- The Public Works Capital Project Program for FY 2012 was discussed as part of the FY 2012 recommended budget, which will be approved in November 2011.
- Two major projects, the Des Plaines River Wastewater Treatment Plant in the amount of \$7,350,000, and the Portwine forcemain project in the amount of \$3,000,000, are being funded out of reserves existing in FY 2011.
- An emergency appropriation of \$10,350,000 is requested for these capital improvements to be funded out of reserves.

7.9 [11-0992](#)

Report on Buffalo Grove sanitary sewer billing practices and request for adoption of interim measures.

- A preliminary report on the Village of Buffalo Grove sanitary sewer billing practices and changes for 2011 was reviewed with Committee at the October 5, 2011 meeting.
- Village representatives were in attendance and requested that they work jointly with the County to resolve the issue of application of a summer sewer credit limiting the sewer portion of residents' bills to 110 percent of winter usage.
- A summer sewer credit has been available for County users for years and has been applied by various other wholesale communities in this service area.
- To be consistent with similar billing practices of the County and other wholesale communities, it was determined appropriate to apply the summer sewer credit for Buffalo Grover users in this case.
- The projected revenue reduction for this summer sewer credit is approximately \$200K and is proposed to be factored into the current rate study along with other changes in revenue projections to develop a revised sewer rate for the next rate cycle to begin in 2012.
- The Village understands the need for a consistent revenue stream to fund the operation of the regional transport and treatment of sanitary sewage and is in concurrence that a revised rate will need to be initiated to offset a revenue reduction for any summer credits.
- In addition, to ensure that consistency is maintained with billing on other similar contract services a Wholesale Customer Revenue Audit Program is being initiated in order to provide the County the necessary information on usage, billing, and credits to maintain accurate records and to better track such changes in the future.

Attachments: [11-0992 October PW&T Buffalo Grove Billing Report Bullets.pdf](#)

7.10 [11-0310](#)

Director's Report - Public Works.

TRANSPORTATION

7.11 [11-1127](#)

Joint resolution authorizing an emergency appropriation in the amount of \$17,210,800 to fund three projects in Fiscal Year 2012, with said funding to be provided by FY 2011 Fund Balance.

- The ¼% Sales Tax for Transportation and Public Safety Capital Project for FY 2012 was discussed as part of the FY 2012 recommended budget, which will be approved in

November, 2011.

- Three major projects: Peterson Road project, West of IL Rte. 83 to West of U.S. Rte. 45, in the amount of \$12,960,800; Cedar Lake Road project, IL Rte. 120 to IL Rte 60, in the amount of \$2,828,900; and Delany Road project, York House Road to Wadsworth Road, in the amount of \$1,421,100 are being funded out of reserves existing in FY 2011.
- An emergency appropriation of \$17,210,800 is requested for these capital improvements to be funded out of reserves.

7.12 [11-1128](#)

Joint resolution authorizing an emergency appropriation in the amount of \$7,294,300 to fund two projects in Fiscal Year 2012, with said funding to be provided by FY 2011 Fund Balance.

- The Motor Fuel Tax Capital Project Program for FY 2012 was discussed as part of the FY 2012 recommended budget, which will be approved in November 2011.
- Two major projects, Petite Lake Road in the amount of \$3,629,200, and the Quentin Road (Rue Royal to White Pine) project in the amount of \$3,665,100, are being funded out of reserves existing in FY 2011.
- An emergency appropriation of \$7,294,300 is requested for these capital improvements to be funded out of reserves.

7.13 [11-1149](#)

Joint resolution authorizing the execution of an agreement for consulting engineering services between Lake County and Ciorba Group, Inc., Chicago, Illinois, for Phase III construction inspection for the roadway reconstruction of Delany Road from York House Road to Wadsworth Road for a maximum cost of \$814,113.96 and appropriates \$975,000 of ¼ % Sales Tax for Transportation and Public Safety funds and designated as Section 00-00093-18-WR.

- [Delany Road Reconstruction and Widening: Consultant Agreement and Appropriation.](#)
- Delany Road from York House Road to Wadsworth Road needs to be reconstructed and widened, and consulting engineering services will be utilized for the construction inspection.
- The selected and recommended consultant is Ciorba Group, Inc., Chicago, Illinois, at a maximum cost of services described of \$814,113.96.
- The resolution also appropriates \$975,000 of ¼% Sales Tax for Transportation and Public Safety funds for these engineering services.

Attachments: [11-1149 Delaney Road Reconstruction and Widening, Consultant Agree](#)

7.14 [11-1147](#)

Joint resolution authorizing the execution of an agreement for the use of federal highway funds between the State of Illinois and Lake County for construction of three missing links in the Prairie Crossing Bike Path along Midlothian Road between IL Rte. 176 and Peterson Road and appropriating \$165,000 of Matching Tax funds designated as Section 09-00171-13-BT.

- [Prairie Crossing Bike Path Along Midlothian Road, IL Rte. 176 to Peterson Road; 3 Segments: Construction: IDOT Agreement and Appropriation.](#)
- The county has been allocated federal CMAQ funds, administered by IDOT, for construction and Phase III construction engineering.

- This agreement provides for the county's 20% share and the federal 80% share of this improvement.
- Phase III construction engineering to be completed by LCDOT staff.
- This resolution appropriates \$165,000 of Matching Tax funds for the county's share of the construction costs.

Attachments: [11-1147 Prairie Crossing Bike Path, IDOT Agreement & Appropriation.p](#)

7.15 [11-1136](#)

Ordinance providing for the establishment of an altered speed zone for 30 M.P.H. on Behm Lane, located in Fremont Township, in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- [Township Speed Zone Ordinance: Behm Lane in Fremont Township.](#)
- Ordinance is required to establish speed zones, and the necessary speed studies have been undertaken.
- This is a new road, currently not posted for a speed limit, and is classified as a rural residence district.

7.16 [11-1138](#)

Ordinance providing for the establishment of an altered speed zone for 30 M.P.H. on Behm Park Lane, located in Fremont Township, in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- [Township Speed Zone Ordinance: Behm Park Lane in Fremont Township.](#)
- Ordinance is required to establish speed zones, and the necessary speed studies have been undertaken.
- This is a new road, currently not posted for a speed limit, and is classified as a rural residence district.

7.17 [11-1157](#)

Joint resolution authorizing the execution of an agreement between the State of Illinois and Lake County for funding the IDOT realignment and widening of US Route 45 from two to four lanes at the Millburn Road/Grass Lake Road intersection in the vicinity of the Millburn Historic District and appropriating \$34,000,000 of ¼% Sales Tax for Transportation and Public Safety funds and designated as Section 05-00262-02-RP.

- [IDOT Improvement of US Route 45 at Millburn Road/Grass Lake Road Intersection: Funding Agreement and Appropriation.](#)
- In 2005 and 2006 transportation summits were held with elected officials in Lake County at which the realignment and widening of US Route 45 at the Millburn Road and Grass Lake Road intersections was identified as a high priority project for congestion relief.
- In 2005 the project received a \$2,080,000 federal funding allocation from congress.
- The County Board on June 10, 2008, adopted a planning document, the "Plan for Use of the Collar County Transportation Empowerment Funds", that included funding for all phases of this improvement.
- In 2008, Lake County funded and began work with the Illinois Department of Transportation (IDOT) and the Federal Highway Administration (FHWA) on the federal

Phase I preliminary engineering study for this improvement.

- The federal Phase I study is now nearing completion, and IDOT is moving forward with the preferred west bypass alternative for US Route 45 along with the realignment of Grass Lake Road and Millburn Road.
- The State of Illinois, by and through its Illinois Department of Transportation, is desirous of implementing this improvement as the lead agency.
- This agreement provides for Lake County's financial participation toward the engineering, right of way acquisition, construction and construction engineering of this improvement in an amount not to exceed \$34,000,000, appropriated from the ¼ % Sales Tax for Transportation and Public Safety fund.

Attachments: [11-1157 IDOT Imp. of US Rte 45 at Millburn Rd-Grass Lake Rd Intersec](#)

7.18 11-1156

Director's Report - Transportation

8. Executive Session

9. County Administrator's Report

10. Adjournment