

Lake County Illinois

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



Agenda Report - Final

Wednesday, July 28, 2010

10:00 AM

Assembly Room, 10th Floor

Public Works and Transportation Committee

1. Call to Order
2. Pledge of Allegiance
3. Approval of Minutes

[10-0707](#)

Minutes of July 7, 2010, Executive Session Minutes of June 2, 2010 and July 7, 2010.

Attachments: [PWT 7-7-10](#)

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

Public Works

7.1 [10-0685](#)

Presentation of bonds issuances for the Department of Public Works and the Division of Transportation.

7.2 [10-0702](#)

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

- The County issued bonds in 2009 in the amount of \$ 1,207,805.14 to construct the Hawthorn Woods/Glennshire Water System Improvements.
- Per the County Bond Ordinance, the County Board must approve disbursements of bond proceeds within the Construction Account.
- This withdrawal pays invoices #6 to the contractor, PirTano Construction, related to the HWG water main construction in the total amount of \$363,044.25.

7.3 [10-0699](#)

Report on Sewer Agreement between the County and Village of Libertyville.

- The original County/Libertyville Sewer Agreement was executed in 1977 and expired in 2007.
- The current County charge to Libertyville is \$0.016 per 1000 gallons for transportation services. Based on this charge, the County receives \$48,000 annually from the Village. The County payment to the Village is based on their WRF services. The current payment is \$150,000 annually.
- Based on the new County/Libertyville agreement, the County will charge Libertyville our interceptor sewer rate of \$1.08 per 1000 gallons. Libertyville will charge the County the same rate they charge their customers for treatment services which represents 75% of the total sewer charges for Village residents. The 75% represents the cost of treatment only. The current Village rate is \$3.46 per 1000 gallons. Therefore, the County will pay \$2.60 per 1000 gallons for sewage delivered to the Libertyville WRF.
- Sewer charges will be based on PE, not flow for consistency and uniformity. The County

PE discharging into the Libertyville WRF is 4,600 PE. The Libertyville PE discharging into the County interceptor is 15,157 PE normal, existing flow, plus 5,000 PE of wet weather flow.

- Based on these terms, the Libertyville payment to the County will be \$597,108 annually. The County payment to Libertyville will be \$327,415 annually.
- This new agreement will have a 20-year term and will expire in the year 2030.
- Draft provisions of the new agreement will be reviewed with Committee for input and discussion.

7.4 [10-0700](#)

Ordinance authorizing the issuance and sale of \$20,000,000 Water and Sewer System Revenue Bonds, Series A of 2010, and providing the terms of and security for payment thereof.

- The approved 2010 Budget included a \$20 million revenue bond issuance.
- Public Works 10-Year Capital Projects Program includes \$110 million in capital projects expenditures.
- A Cash Flow Analysis projects the need to borrow up to \$40 million to fund the 10-year Capital Projects Program.
- We will be utilizing Build America Bonds for this issuance, which provides a rebate of 35% of the bond interest costs. This will allow us to receive a rebate of \$7.7 million over the life of the bond debt service.
- The revenue bond market interest rates are very favorable at this time.
- This revenue bond issuance will not significantly increase Public Works annual debt service over current levels, because some older bond issues will be retiring.
- This is a parameter Ordinance, which establishes the terms, provisions and limitations of the bond sale and authorizes the issuance of \$20 million, Series A, 2010 Bonds.
- The bond sale is scheduled for September 13th at which time designated officials are authorized to approve the sale. A report will be presented to the County Board at the September 14th Board Meeting summarizing the bond sale results.

Attachments: [08.10.10 Series A Revenue Bond Ordinance.doc](#)

[08.10.10 Bond Order.doc](#)

[08.10.10 Continuing Disclosure Undertaking.doc](#)

7.5 [10-0684](#)

Joint resolution expressing official intent regarding certain water and sewer capital expenditures to be reimbursed from proceeds of an obligation.

- The Public Works Department is proposing to borrow \$20 million in revenue bonds to fund certain capital improvement projects.
- It is allowable for the proceeds of the bond issuance to be used to reimburse Public Works for projects under construction at the time of the bond issuance.
- A Reimbursement Resolution is utilized to confirm and document our intent to use the bond proceeds for the purposes of reimbursing the expenditures associated with capital improvement projects which are in progress.
- The reimbursable projects under construction are included as an exhibit to the Reimbursement Resolution and are as follows: Mill Creek WRF Expansion, Grainger Lift Station 2nd Force Main, FY 2009 Water Main Replacement, NEC Pump Station 2nd Force Main, FY 2010 Water Main Replacement, and NEC Pump Station Improvements.

- This resolution authorizes reimbursement from bond proceeds for capital expenditures up to sixty days prior to the passage of this resolution.

Attachments: [08.10.10 Reimbursement Res. EXHIBIT A.docx](#)

7.6 [08-0785](#)

Director's Report - Public Works

7.7 [10-0322](#)

Executive Session

Transportation

7.8 [10-0686](#)

Committee action adopting the Proposed 2010-2015 Highway Improvement Program.

- Proposed 2010-2015 Highway Improvement Program (Committee Action Item)
- 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 as of this meeting of July 28th.

7.9 [10-0687](#)

Ordinance authorizing the issuance of General Obligation Bonds (Sales Tax Alternate Revenue Source) of the County of Lake, Illinois, in the aggregate principal amount of not to exceed \$32,000,000, for the purpose of defraying the costs of road improvements.

- Lake County General Obligation Bonds: Ordinance
- Lake County, by and through its Division of Transportation, is proposing to issue \$32 million in general obligation bonds to provide road improvements to public roads within the County.
- This will include the improvement of Illinois Route 21 from Illinois Route 137, in cooperation with the State of Illinois.
- This action is needed to issue the bonds and obligate the County to repay the bonds with all the terms set forth in the ordinance.

7.10 [10-0688](#)

Joint resolution awarding a contract for the construction of a bike path along Park Avenue West from the Highland Park Country Club to east of US Route 41 to the lowest responsible bidder Dunnet Bay Construction, Glendale Heights, Illinois in the amount of \$624,882.30 and provides a supplemental appropriation of \$125,000 of County Bridge tax designated as Section 14-00271-00-BT.

- Park Avenue West (Highland Park Country Club to East of US Rte. 41) Bike Path. Construction: Contract Award and Supplemental Appropriation.
- A bike Path including a bridge over the Skokie River will be built along Park Avenue West with limits from Highland Park Country Club to east of US Route 41.
- The work also includes retaining walls, traffic signal modifications, landscaping and earthwork.

- A total of 5-bids were received and the lowest responsible bidder is Dunnet Bay Construction, Glendale Heights, Illinois in the amount of \$624,882.30.
- A supplemental appropriation of \$125,000 of County Bridge Tax funds is provided.

Attachments: [BID TAB: Park Avenue West \(Highland Park Country Club to East of US](#)
[JUSTIFICATION: Park Avenue West \(Highland Park Country Club to Eas](#)

7.11 [10-0689](#)

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, Mark-It Corporation, Romeoville, Illinois in the amount of \$297,092.89 and designated as Section 10-00000-08-GM.

- [2010 Group II 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.
- This is the second of two lettings for replacement thermoplastic markings in the 2010 program.
- One responsive bid was received and the lowest responsible bidder is Mark-It Corporation, Romeoville, Illinois, in the amount of \$297,092.89.

Attachments: [BID TAB 2010 Group II Thermoplastic Pavement Markings for Bituminou](#)
[JUSTIFICATION 2010 Group II Thermoplastic Pavement Markings for Bi](#)

7.12 [10-0690](#)

Joint resolution authorizing the execution of a contract for consulting engineering services between Lake County and IMS Infrastructure Management Services, Rolling Meadows, Illinois for the annual pavement testing services and associated components for the County's Pavement Management System at a maximum cost of services described of \$60,000. This resolution also appropriates \$70,000 of Matching Tax Funds and is designated as Section 10-00219-00-ES.

- [2010 Pavement Management System; Field Testing: Consultant Agreement](#)
- The County's pavement management system has been in use since 1986 and data in the system needs to be updated on a yearly basis utilizing information collected using dynamic load testing and laser testing procedures.
- Approximately 25% of the County Highway System is retested each year.
- Information from the pavement management system is used to generate recommended resurfacing projects for the next five years.
- The same engineering firm is being used that did the initial testing.
- The contract is with IMS Infrastructure Management Services, Rolling Meadows, Illinois at a cost of services of \$60,000 and the resolution appropriates \$70,000 of Matching Tax funds.

Attachments: [2010 Pavement Management System; Field Testing: Consultant Agreement](#)

7.13 [10-0691](#)

Joint resolution providing Motor Fuel Tax funds for the maintenance of the County Highway System from December 1, 2010 to November 30, 2011. The amount of the appropriation is \$700,000 of Motor Fuel Tax funds and designated as Section 11-00000-00-GM.

- [2011 Motor Fuel Tax Fund, Patrol I: Appropriation](#)
- Patrol I are those maintenance materials and activities paid out of the Motor Fuel Tax fund and include material supply contracts such as sign material, and shoulder aggregate.
- Funds must be appropriated prior to a letting being held in the upcoming fall
- An appropriation is made of \$700,000 of Motor Fuel Tax funds.

7.14 [10-0692](#)

Joint resolution appropriating \$110,000 of County Bridge Tax funds for underdeck repairs and the placing permanent underdeck shielding in some areas of the Pulaski Drive Bridge over US Rte. 41 and designated as Section 08-00196-08-BR.

- [Pulaski Drive Bridge Underdeck Repair: Appropriation.](#)
- A recent bridge inspection by County engineers showed numerous areas of cracks and spalls on the underside of the bridge.
- The deck itself is in good structural condition.
- Bloom Companies, LLC was hired to determine the extent of delaminated areas on the underside of the bridge, make recommendations on repairs, and provide a cost estimate for the repairs
- Certain repairs were recommended this year including the placement of permanent underdeck shielding in some areas
- The necessary design work is nearing completion.
- The work will be contracted for in due course on an expedited basis.
- This resolution appropriates \$110,000 of County Bridge Tax funds for the 2010 work and is designated as Section 08-00196-08-BR.

7.15 [10-0693](#)

Joint resolution appropriating \$717,000 of County Bridge Tax funds and \$1,348,000 of Matching Tax funds for the roadway rehabilitation and reconstruction of Lake Avenue from IL Rte 173 to the Wisconsin state line, including the replacement of two (2) bridge decks and designated as Section 08-00148-02-FP.

- [Lake Avenue Rehabilitation, \(IL Rte. 173 to the Wisconsin State Line\) Appropriation](#)
- This improvement includes the rehabilitation of the roadway, including the replacement of two (2) bridge decks.
- Before a project letting can be held, an appropriation of \$717,000 of County Bridge Tax funds and \$1,348,000 of Matching Tax funds is necessary.

7.16 [10-0694](#)

Joint resolution authorizing the Chair of the County Board, the County Clerk and the County Engineer to execute an agreement for the use of federal highway funds between the State of Illinois and Lake County for Phase I engineering services (*Preliminary Engineering*) for the extension of the Washington Street bike path from Atkinson Road to Lancer Lane and designated as Section 09-00135-11-BT.

- [Washington Street \(Atkinson Road to Lancer Lane\) Bike Path Extension; Phase I: IDOT Agreement.](#)
- The county has been allocated federal CMAQ funds for this improvement and IDOT administers all federal highway funds.
- Phase I (*Preliminary Engineering*) is required on all federally funded improvements.
- This agreement provides for the county to receive 80% reimbursement of the cost of Phase I.

Attachments: [Washington Street \(Atkinson Road to Lancer Lane\) Bike Path Extension;](#)

7.17 [10-0695](#)

Joint resolution authorizing the execution of a contract with Civiltech Engineering Inc., Itasca, Illinois for professional services for the provision of Phase I (*Preliminary Engineering*) services for the extension of the Washington Street bike path from Atkinson Road to Lancer Lane at a maximum cost of services described of \$194,034.76. This resolution also appropriates \$215,000 of Motor Fuel Tax funds for this improvement and designated as Section 09-00135-11-BT.

- [Washington Street \(Atkinson Road to Lancer Lane\) Bike Path Extension; Phase I Consultant Agreement and Appropriation](#)
- The existing bike path along Washington Street will be improved by extending it from Atkinson Road to Lancer Lane with connectivity to the Village of Grayslake bike path system and to the College of Lake County
- 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 Civiltech Engineering Inc., Itasca, Illinois for Phase I (Preliminary Engineering) services and appropriates \$215,000 of Motor Fuel Tax funds.

Attachments: [Washington Street \(Atkinson Road to Lancer Lane\) Bike Path Extension;](#)

7.18 [10-0696](#)

Joint resolution authorizing the Chair of the County Board, the County Clerk and the County Engineer to execute an agreement for consulting engineering services between Lake County and MACTEC Engineering and Consulting Inc., Chicago, Illinois, for the provision of Phase I engineering services (*Preliminary Engineering*) for the replacement of the deck beams of the bridge carrying southbound Arlington Heights Road over Buffalo Creek at a maximum cost of services described of \$34,837. An appropriation of \$45,000 of County Bridge Tax funds is made for these engineering services designated as Section 10-00193-07-BR.

- [Arlington Heights Road Southbound over Buffalo Creek, Bridge Deck Beam Replacements: Consultant Agreement and Appropriation.](#)
- The bridge deck beams of the bridge for southbound traffic need to be replaced and consulting engineering services will be utilized to design the replacement of the beams.
- The selected and recommended consultant is MACTEC Engineering and Consulting Inc., Chicago, IL at a cost of services of \$34,837.
- The appropriation is \$45,000 of County Bridge Tax funds for this improvement designated as Section 10-00193-07-BR.

Attachments: [Arlington Heights Road Southbound over Buffalo Creek, Bridge Deck Be](#)

7.19 [10-0697](#)

Joint resolution authorizing the Chair of the County Board, the County Clerk and the County Engineer to execute an agreement for the use of Federal Highway Funds between the State of Illinois and Lake County for Phase I engineering services (*Preliminary Engineering*) for the replacement of the deck beams of the bridge carrying southbound Arlington Heights Road over Buffalo Creek and designated as Section 10-00193-07-BR.

- [Arlington Heights Road Southbound over Buffalo Creek, Bridge Deck Beam Replacements; Phase I: IDOT Agreement.](#)
- The County has been allocated federal HBP funds to repair this bridge and IDOT administers all federal funds.
- Phase I (*Preliminary Engineering*) is required on all federally funded improvements.
- This agreement provides for the county to receive 80% reimbursement for the cost of Phase I.

Attachments: [Arlington Heights Road Southbound over Buffalo Creek, Bridge Deck Be](#)

7.20 [10-0698](#)

Ordinance providing for the establishment of an altered speed zone for 35 M.P.H. (*currently 40 M.P.H.*) on Wadsworth Road (*County Highway 17*) from Cashmore Road to Kilbourne Road (*County Highway 37*), located in Newport Township in conformity with Chapter 625 - Section 5/11-604 of the Illinois Compiled Statutes.

- [County Highway Speed Zone Ordinance: \(*Wadsworth Road*\) in Newport Township](#)
- Ordinance is required to establish speed zones
- The necessary speed studies have been undertaken

7.21 Director's Report - Transportation

8. Executive Session

9. County Administrator's Report

10. Adjournment