

Lake County Illinois

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



Agenda Report - Final

Wednesday, March 4, 2009

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 [09-1314](#)

Minutes of February 4, 2009 and Executive Session Minutes of February 4, 2009.

Attachments: [PWT Minutes 2-4-09](#)

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

PUBLIC WORKS

7.1 [09-1268](#)

Joint resolution to approve a mutual aid agreement between Lake County and the Illinois Public Works Mutual Aid Network.

- Lake County has embraced a collaborative approach to all-hazards Emergency Management, recognizing the important roles and responsibilities of all County Departments and Divisions in preventing, preparing for, responding to, recovering from, and mitigating against disasters of all kinds.
- The Lake County Public Works Department, the Lake County Division of Transportation, and the Lake County Emergency Management Agency have engaged with many other municipal, county, and state public works organizations across Illinois to develop a system for the sharing of specialized resources. The Illinois Public Works Mutual Aid Network (IPWMAN) is similar to mutual aid systems in place in Illinois for the Fire Service (the Mutual Aid Box Alarm System, MABAS) and Law Enforcement (the Illinois Law Enforcement Alarm System, ILEAS).
- The IPWMAN program and agreement are based on and consistent with the National Incident Management System, NIMS.
- As allowed by Illinois State Law, in an effort to improve emergency and disaster response capabilities and reduce duplication of services, Lake County has entered into various Intergovernmental Agreements and Memoranda of Understanding, which are cataloged and referenced in the County's Emergency Operation Plan.

Attachments: [2009 02 23 LC IPWMAN Mutual Aid Agreement.pdf](#)
[2009 02 23 IPWMAN FAQs.pdf](#)

7.2 [09-1286](#)

Authorization to approve Change Order No. 1 for design work on the FY 2009 Water Main Replacement Project.

- Change Order No. 1 for additional consulting engineering work on the FY 2009 Water Main Replacement Project is in the net amount of \$14,056.97.

- This change order includes additional scope of work for design of approximately 850 lineal feet of water main on Lake Shore Drive in the Wildwood Water System.
- This section of water main has failed recently causing localized flooding to homes and is in need of full replacement.
- The addition of Change Order No.1 increases the contract amount from \$86,558 to \$100,614.97 resulting in an overall project increase of 16.2%.
- Change orders that exceed 10% of the total contract amount must be approved by the PW & T and F & A Committees.

Attachments: [2009.03.04 Change Order No.1.pdf](#)

7.3 09-1287

American Recovery and Reinvestment Act of 2009 for Lake County Public Works Projects.

- Stimulus funds for water and wastewater projects will be administered by the Illinois EPA as part of their Loan Program.
- Public Works has identified six (6) projects to submit to the State for potential funding.
- Applications for those public works projects targeted for funding will be reviewed and discussed with Committee.

Attachments: [2009 Stimulus Money for Public Works Project.doc](#)

7.4 09-1288

Executive Session for discussion of ongoing litigation.

7.5 09-1053

Director's Report - Public Works

DIVISION OF TRANSPORTATION

7.6 09-1264

Joint resolution authorizing an agreement with Syn-Tech Systems, Inc., Tallahassee, FL to upgrade the Fuel Management System at the Division of Transportation (*DOT*), Libertyville, IL in the amount of \$36,567.20.

- Fuel Management System: 2009 Upgrade for Efficiencies
- In 2001 Syn-Tech Systems, Inc., Tallahassee, FL was awarded a competitive bid contract to provide a Fuel Management System for the fuel terminal at the Libertyville Campus for the Department of Transportation.
- This systems tracks vehicle numbers, fuel pump, quantity dispensed, date and time and data is then uploaded into the Division of Transportations' Fleet Management System.
- There is a need to upgrade the system to incorporate radio frequency technology to automatically record this information plus odometer reading thus eliminating driver input error.
- Syn-Tech Systems, Inc. is the manufacturer of the current system and the only source that can upgrade the system.

- The Purchasing Agent consulted with an ad hoc review group and determined that this purchase is exempt from bidding on the basis of sole source.
- This upgrade will cost \$36,567.20.

7.7 [09-1278](#)

Joint resolution authorizing the execution of an agreement between the State of Illinois and Lake County for the proposed improvements to the intersections of IL Rte. 83 with Grass Lake Road (*County Highway 18*) and IL Rte. 83 and North Avenue (*County Highway 3*). This resolution also appropriates \$20,000 of Matching Tax funds for this improvement designated as Section 02-00999-03-TL.

- IL Rte. 83 @ Grass Lake Road and @ North Avenue. Intersection Improvements: Agreement and Appropriation
- The State of Illinois proposes to improve IL Rte. 83 from the Wisconsin state line to north of Petite Lake Road.
- There are 2 county intersections that will be impacted by this improvement including at Grass Lake Road and at North Avenue.
- The improvements at these intersections will be primarily modernization of traffic control signals along with interconnect.
- This resolution authorizes execution of an agreement with the State of Illinois and appropriates \$20,000 of Matching Tax funds for this improvement.

Attachments: [83 @ GRASS LK RD @ N AVE_20090225130224.pdf](#)

7.8 [09-1279](#)

Joint resolution appropriating \$125,000 of Motor Fuel Tax funds to provide crack seal of bituminous and concrete pavement, where necessary, on various county highways and designated as Section 09-00000-11-GM.

- 2009 Crack Sealing: Appropriation
- Each year crack sealing is done to county highways that have recently been resurfaced.
- Before a project letting can be held an appropriation of \$125,000 of Motor Fuel Tax Funds is necessary.

7.9 [09-1280](#)

Joint resolution appropriating \$275,000 of Motor Fuel Tax funds to provide for the bituminous pavement patching, where necessary, on various county highways and designated as Section 09-00000-12-GM.

- 2009 Bituminous Pavement Patching: Appropriation
- 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.
- Before a project letting can be held an appropriation of \$275,000 of Motor Fuel Tax funds is necessary.

7.10 [09-1281](#)

Joint resolution authorizing the execution of an addendum to an agreement between the State of Illinois and the Lake County for the proposed improvements to the intersection of Casey Road (*County Highway 48*) and US Route 45 and designated as Section

02-00262-01-WR.

- Casey Road at US Route 45 Intersection Improvement: Addendum to Original Agreement.
- On May 14, 2002 the County Board authorized the execution of a joint agreement with the State of Illinois for the improvements to the intersection of Casey Road and US Route 45.
- The original agreement contains a null and void term of expiration of three years subsequent to execution and in order to keep the terms and conditions of the original agreement current an addendum is required.
- This addendum extends the terms and conditions to the original agreement to July 1, 2012.

Attachments: [CASEY RD ADDENDUM 20090225133310.pdf](#)

7.11 [09-1283](#)

Joint resolution appropriating \$50,000 of Matching Tax funds for the resurfacing of portions of the Washington Street (*County Highway 45*) bike path east of Hainesville Road (*County Highway 24*) and also the Millennium Bike Path along Hawley Street (*County Highway 70*) from Midlothian Road (*County Highway 48*) to the Lakewood Forest Preserve and designated as Section 09-00000-10-RS.

- 2009 Bike Path Surface Maintenance: Appropriation
- Each year surface maintenance work is done on segments of the Lake County Division of Transportation's Bike Path system.
- Two bike paths are in the 2009 program: the Washington Street Bike Path from Hainesville Road easterly to a point 430 feet west of Lakeside Drive and the Millennium Bike Path along Hawley Street (*Midlothian Road to the Lakewood Forest Preserve*). The work to be done is patching and seal coat.
- Before a project letting can be held an appropriation of \$50,000 of Matching Tax funds is necessary.

7.12 [09-1284](#)

Joint resolution appropriating \$160,000 of County Bridge Tax funds for the replacement of the corrugated culvert pipe beneath Grass Lake Road (*County Highway 18*) for the Sun Lake drain and designated as Section 07-00075-13-DR.

- Grass Lake Road at Sun Lake Drain, Culvert Replacement: Appropriation
- The corrugated culvert pipe beneath Grass Lake Road for the Sun Lake drain is at the end of its useful service.
- Before a project letting can be held, an appropriation of \$160,000 of County Bridge Tax funds is necessary.

7.13 [09-1291](#)

Joint resolution appropriating \$35,000 of Matching Tax funds to provide for the removal, replacement or refurbishment of pavement markings on the concrete pavement of various county highways and designated as Section 09-00000-06-GM.

- 2009 Pavement Markings for Concrete Pavements: Appropriation
- The county has miles of pavement markings for medians, lane lines and cross walks on concrete pavements. These markings last longer than paint but eventually require replacement.
- This replacement project is in the 2009 program.
- Before a project letting can be held an appropriation of \$35,000 of Matching Tax funds is

necessary.

7.14 [09-1292](#)

Joint resolution appropriating \$990,000 of Motor Fuel Tax funds to provide for the removal, replacement or refurbishment of thermoplastic pavement markings on the bituminous pavements of various county highways and designated as Section 09-00000-07-GM.

- [2009 Thermoplastic Pavement Markings for Bituminous Pavements: Appropriation](#)
- 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 replacement project is in the 2009 program.
- Before a project letting can be held an appropriation of \$990,000 of Motor Fuel Tax funds is necessary.

7.15 [09-1293](#)

Joint resolution appropriating \$265,000 of Motor Fuel Tax funds to provide for the removal, and replacement of raised reflective pavement markers on various county highways throughout the county highway system and designated as Section 09-00000-08-GM.

- [2009 Raised Pavement Marker Replacement Program: Appropriation](#)
- The county has raised reflective pavement markers delineating medians and lane lines throughout the county highway system.
- This replacement project is in the 2009 program.
- Before a project letting can be held an appropriation of \$265,000 of Motor Fuel Tax funds is necessary.

7.16 [09-1294](#)

Joint resolution authorizing execution of an agreement between the State of Illinois and the Lake County for the improvements to the traffic control signals at the intersection of Stearns School Road (*County Highway 74*) and US Route 41. This resolution appropriates \$15,000 of Matching Tax funds for this improvement designated as Section 09-00222-01-TL.

- [Stearns School Road at US Route 41, Traffic Signal Improvement: Appropriation and Agreement](#)
- The State of Illinois proposes to utilize Federal Highway funds to improve the existing traffic control signals at Stearns School Road and US Rte. 41.
- The county's portion of this improvement is for the local share of the county's portion of the intersection.
- This resolution authorizes the execution of an agreement with the State of Illinois for this improvement and appropriates \$15,000 of Matching Tax funds.

Attachments: [stearns sch rd 20090226092420.pdf](#)

7.17 [09-1295](#)

Joint resolution appropriating \$120,000 of Motor Fuel Tax funds for the 2009 traffic signal equipment upgrade at various intersections for LED signal installations and along with battery backups, and designated as Section 09-00000-13-GM.

- [Traffic Signal Equipment Upgrade 2009: Appropriation](#)
- The county owns over 141 traffic signals and various pieces of equipment that annually need to be replaced and upgraded.
- The 2009 work concentrates on LED heads for energy savings with some locations also having battery backups installed for standby power.
- Before a project letting can be held an appropriation of \$120,000 of Motor Fuel Tax funds is necessary.

7.18 [09-1296](#)

Joint resolution authorizing execution of an agreement between the State of Illinois and the Lake County for the improvements to the traffic control signals at the intersections of Casmir Pulaski Drive and IL Rte. 131, Washington Street and IL Rte. 131 and Sunset Avenue and IL Rte. 131. This resolution appropriates \$30,000 of Matching Tax funds for this improvement designated as Section 09-00999-06-TL.

- [Casmir Pulaski Drive at IL Rte. 131, Washington Street at IL Rte. 131 and Sunset Avenue at IL Rte. 131, Traffic Signal Improvement: Appropriation and Agreement](#)
- The State of Illinois proposes to utilize Federal Highway funds to improve the existing traffic control signals at the intersections of Casmir Pulaski Drive and IL Rte. 131, Washington Street and IL Rte. 131 and Sunset Avenue and IL Rte. 131.
- The county's portion of this improvement is for the local share of the county's portion of these intersections.
- This resolution authorizes the execution of an agreement with the State of Illinois for this improvement and appropriates \$30,000 of Matching Tax funds.

Attachments: [CASMIR PULASKI AGMT_20090226093431.pdf](#)

7.19 [09-1299](#)

Joint resolution authorizing application for a grant from the Illinois Department of Natural Resources "Illinois Trails Grant and Aid Program" for the construction of three trail section links in the Prairie Crossing Bike Path along Midlothian Road (*County Highway 48*) between IL Rte. 176 and Peterson Road (*County Highway 20*) and designated as Section 09-00171-13-BT.

- [Prairie Crossing Bike Path along Midlothian Road \(IL Rte. 176 to Peterson Road- 3 segments\) : IDNR Grant Application](#)
- There are three segments of the Prairie Crossing Bike Path along Midlothian Road between IL Rte. 176 and Peterson Road that presently are not connected to one another.
- Lake County now desires to construct the three trail sections between these existing three bike paths to complete the Prairie Crossing Bike Path along Midlothian Road between IL Rte. 176 and Peterson Road.
- There are grant funds available from the IDNR for these bike path constructions, and this resolution authorizes the application for said grant funds.

Attachments: [GRANT APP Prairie rd_20090226095220.pdf](#)

7.20 [09-1300](#)

Joint resolution appropriating \$40,000 of Matching Tax funds for title commitments, property appraisals, other advance right-of-way costs and property acquisition costs associated with the proposed reconstruction of North Avenue (*County Highway 3*) from Deep Lake Road (*County Highway 36*) to IL Rte. 83 and designated as Section

03-00119-09-WR; and authorizes the execution of a professional services agreement to negotiate and acquire needed easements and rights of entry agreements.

- North Avenue (Deep Lake Road to IL Rte. 83) Reconstruction, Right-of-way Acquisition: Appropriation
- Preliminary Plans and specifications for this improvement have been prepared.
- Professional negotiation and acquisition services will be used for the necessary right of way easements and rights of entry.
- The appropriation is \$40,000 of Matching Tax funds.

7.21 [09-1301](#)

Joint resolution authorizing the execution of a contract for professional services for the provision of signal system enhancements including the provision of a fully functional and integrated traffic signal system and equipment upgrade at a maximum cost of services described of \$2,212,000; and appropriates \$2,500,000 of the ¼% Sales Tax for Transportation and Public Safety funds and designated as Section 09-00268-08-TL.

- Lake County PASSAGE, Phase 3, Design and Integration Services: Consultant Agreement and Appropriation
- The Phase 3 work includes expansion of the fiber optic network, provision for redundancy to the existing system, traffic response plans and the provision and evaluation of wireless communications.
- Lake County has a satisfactory working relationship with Delcan Corporation, Schaumburg, IL., under the Local Government Professional Services Selection Act.
- This resolution authorizes the execution of professional services agreement with Delcan Corporation, for design of Phase 3 of Lake County PASSAGE and appropriates \$2,500,000 of the ¼% Sales Tax for Transportation and Public Safety fund.
- This design work includes engineering for the 2 CMAQ funded interconnect segments to be constructed in 2009 and the main field contract in 2009/2010.

Attachments: [LC PASSAGE Phase 3 agrmt 20090226101220.pdf](#)

7.22 [09-1302](#)

Joint resolution to authorize application for a grant from the Illinois Department of Natural Resources "Illinois Trails Grant and Aid Program" to fund up to 50% of the cost of a bike path situated along the south side of Grass Lake Road (*County Highway 18*) from Beck Road (south) to the Hasting Lake Forest Preserve and designated as Section 09-00075-14-BT.

- Bike Path along Grass Lake Road, (Beck Road [South] to Hasting Lake Forest Preserve): IDNR Grant Application
- This bike path will link the Hasting Lake Forest Preserve to the Lindenhurst trails system.
- The LCFPD is in the process of designing the Hastings Lake Trail system and discussions are underway about adding the design for this connecting segment.
- This resolution authorizes Lake County to apply for available IDNR grant funds.

Attachments: [GRANT Grass Lake 20090226102116.pdf](#)

7.23 [09-1305](#)

Joint resolution appropriating \$40,000 of Motor Fuel Tax funds for the construction of a temporary left-turn lane at the intersection of Wadsworth Road (*County Highway 17*) and Cambridge Boulevard and designated as Section 07-00033-15-CH.

- Wadsworth Road, Temporary Left-turn Lane at Cambridge Boulevard: Appropriation
- Cambridge Boulevard is situated approximately ¼ mile west of Route 131 on Wadsworth Road.
- This intersection will be included as part of the future improvement of the intersection of Wadsworth Road at IL Rte. 131.
- Current traffic necessitates the construction of a temporary eastbound to northbound left-turn lane. This left-turn lane will be constructed by contract and by the day labor forces of the Division of Transportation
- Before a project letting can be held an appropriation of \$40,000 of Motor Fuel Tax funds for materials is necessary.

7.24 [09-1306](#)

Joint resolution appropriating \$3,000,000 of ¼% Sales Tax for Transportation and Public Safety funds for the resurfacing of Riverwoods Road (*County Highway 58*) from Deerfield Road (*County Highway 11*) to Half Day Road and designated as Section 07-00106-08-RS.

- Riverwoods Road, (Deerfield Road to Half Day Road) Resurfacing: Appropriation
- This resurfacing improvement has been identified within the county's pavement management system and is included in the 2009 program.
- Before a project letting can be held an appropriation of \$3,000,000 of ¼% Sales Tax for Transportation and Public Safety funds is necessary.

7.25 [09-1289](#)

Joint Committee action item approving IDOT Change Order No. 6 and final consisting of a reduction of \$28,892.76 for final balancing revisions to the contract for the Rollins Road improvement from IL Rte. 83 to Drury Lane and designated as Section 99-00080-47-WR.

- Rollins Road from IL Rte. 83 to Drury Lane: IDOT Change Order No. 6 and Final
- Change orders need to be approved by the standing committees for cumulative net increases over 10%.
- The Rollins Road project is under contract at unit prices originally totaling \$5,630,000.
- This change order No. 6 is the final balancing change order for final costs based on actual work completed per final measurements and is a deduction of \$28,892.76.
- The major cost with earlier change orders was for the earth excavation for the entire roadway based on final cross sections.
- In summary: original award was bid as unit prices and estimated quantities for \$5,360,000; Change Order No. 1-5 was \$1,188,939; Change Order No. 6 and final is - \$28,892.76. Summary of all changes is \$1,160,046.24.

Attachments: [CO SIG PAGE ROLLINS 20090226085214.pdf](#)

[C O 6 rollins 20090226084936.pdf](#)

7.26 [09-1290](#)

Joint Committee action item approving Change Order No. 10 in the amount of \$81,254.33 for required revisions to the contract for the Deerfield Road Bike Path from Saunders Road to Wilmot Road and designated as Section 02-0034-01-BT.

- Deerfield Road Bike Path from Saunders Road to Wilmot Road: Change Order No. 10.
- Change orders need to be approved by the standing committees for cumulative net increases over 10%.

- The Deerfield Road Bike Path project is under contract at unit prices originally totaling \$2,143,834.73.
- This change order #10 is an increase of \$81,254.33 and is a pre-final balancing change order for field measurements of completed work.
- The major cost with earlier change orders was mainly due to the re-design of 4 walls that are part of the tunnel under the Tollway ramp. The original bid material, small modular block, was later found to be limited only to wall heights of 7' or less due to IDOT policies. For this project's taller walls of about 14', LCDOT changed the wall material to a heavy block material to comply.
- Several other field changes to address unforeseen circumstances contributed as well. Many of these addressed safety concerns such as adding a truck detour so long vehicles did not have to negotiate the tight conditions on the Tollway ramp during construction.
- Summary: original awarded contract was bid as unit prices and estimated quantities for \$2,143,834.73; change Order No. 1-9 was \$212,265.32; change order No. 10 is \$81,254.33. Sum of all changes is \$293,519.65.

Attachments: [C O 10 Sig Pg 20090226090256.pdf](#)

[C O 10 deerfield 20090226090210.pdf](#)

7.27 [09-1307](#)

Committee Action Memo to approve the Spring 2009 Adopt a Highway Program

- Adopt Adopt-A-Highway Program; Spring 2009 Application Cycle: Approval
- In accordance with the Lake County Adopt-A-Highway Ordinance, applications have been received for the Spring 2009 application period.
- The Public Works and Transportation Committee must approve the allocation of roadway segments, and the posted names, for volunteers groups that have applied.
- A staff report will be given on the applications received and recommendations for allocation.

7.28 [08-0786](#)

Director's Report - Transportation

8. Executive Session

9. County Administrator's Report

9.1 [09-1308](#)

Route 53 Public Information

10. Adjournment