



CHAMPAIGN COUNTY BOARD COMMITTEE AGENDA

HIGHWAY & TRANSPORTATION COMMITTEE

Highway Building – 1605 East Main Street

Friday – January 4, 2013 – 9:00 a.m.

CHAIR: Lorraine Cowart

VICE CHAIR: Lloyd Carter

<u>ITEM</u>	<u>PAGE NO.</u>
I. CALL TO ORDER	
II. ROLL CALL	
III. APPROVAL OF AGENDA/ADDENDUM	
IV. PUBLIC PARTICIPATION	
V. COUNTY & TOWNSHIP MOTOR FUEL TAX CLAIMS – NOVEMBER & DECEMBER 2012	2
VI. HIGHWAY DEPARTMENT POWER POINT	
VII. PETITION & RESOLUTION – OGDEN TOWNSHIP #12-17994-00-BR	4
VIII. PETITION & RESOLUTION – OGDEN TOWNSHIP #12-17995-00-BR	6
IX. TOWNSHIP ROCK LETTING REVIEW	10
X. LAKE OF THE WOODS ROAD SPEED LIMIT ORDINANCE	13
XI. OLYMPIAN DRIVE UPDATE	
XII. ENGINEERING POSITION – PART TIME/FULL TIME	
XIII. DESIGNATION OF ITEMS TO BE PLACED ON CONSENT AGENDA	
XIV. OTHER BUSINESS	
XV. ADJOURNMENT	

CHAMPAIGN COUNTY HIGHWAY DEPARTMENT

JEFF BLUE
COUNTY ENGINEER

1605 E. MAIN STREET

(217) 384-3800
FAX (217) 328-5148

URBANA, ILLINOIS 61802

January 4, 2012

COUNTY MOTOR FUEL TAX CLAIMS FOR NOVEMBER

Req No.	Payee	Description	Amount
71	LeHigh Hanson	298.11 T. CA-6/10	2,876.75
72	Varsity Striping	2012 Pavement Striping	513.74
73	Open Road Paving	Pay Estimate #3 - CH. 8 & 30 Section #11-00431-00-RS (Partial Payment)	457,159.96
74	Champaign County Treasurer	County Equipment Rental - September	11,133.26
			<hr/> \$ 471,683.71 <hr/>

TOWNSHIP MOTOR FUEL TAX CLAIMS FOR NOVEMBER

Req No.	Payee	Description	Amount
98	Champaign County Treasurer	Engineering fees 2012	\$ 87,957.01
			<hr/> \$87,957.01 <hr/>

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1605 E. MAIN STREET

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URBANA, ILLINOIS 61802

January 4, 2013

COUNTY MOTOR FUEL TAX CLAIMS FOR DECEMBER

Req No.	Payee	Description	Amount
75	LeHigh Hanson	153.84 T. CA-6/10	1,484.57
76	Open Road Asphalt	7.32 T. Cold Mix	732.00
77	Sherwin Industries	Cracksealer	4,422.00
78	Vulcan, Inc.	Various Signs	3,359.08
79	LeHigh Hanson	49.74 T. CA-6/10	480.00
80	Champaign Co. Treasurer	County Engineering Forces - FY-12	56,773.68
81	Open Road Paving	Remaining Payment - Pay Estimate #3 CHS. 8 & 30 #11-00431-00-RS	717,000.00
1	University of Illinois	Registration - Bituminous Paving Conf. 12/12/12	100.00
2	Nat. Committee on Uniform Traffic Control Devices	Registration - NCUTCD Meeting Arlington, VA 1/9-1/11/13	135.00
3	Void		
4	Void		
5	Jeff Blue	Reimbursement Airfare - NCUTCD Mtg Arlington, Va - 1/8-1/11/13	225.60
			<hr/> \$ 784,711.93 <hr/>

TOWNSHIP MOTOR FUEL TAX CLAIMS FOR DECEMBER

Req No.	Payee	Description	Amount
			<hr/> \$0.00 <hr/>

PETITION

Petitioner, Greg Frerichs, hereby requests an appropriation of funds from the Champaign County Bridge Fund pursuant to 605 ILCS 5/5-501. In support of this petition, Petitioner states the following:

1. Petitioner is the duly elected Highway Commissioner for the Ogden Road District, Champaign County, Illinois; and
2. There is a culvert located between Sections 7 & 7, which is in poor condition and is inadequate to serve the needs of the traveling public; and
3. To ensure the adequacy of said structure for the traveling public, it is necessary that said structure be replaced; and
4. The cost of replacing the aforesaid structure is estimated to be \$22,000.00, which will be more than .02% of the value of all the taxable property in the Ogden Road District, as equalized or assessed by the Department of Revenue; and
5. The tax rate for road purposes in the Ogden Road District was in each year for the last two (2) years not less than the maximum allowable rate provided for in Section 6-501 of the Illinois Highway Code (605 ILCS 5/6-501); and
6. The Ogden Road District is prepared to pay one-half of the cost of the replacement of said structure.

Respectfully submitted,

Greg Frerichs
Commissioner of Highways of
Ogden Road District,
Champaign County, Illinois

RESOLUTION NO.

PETITION REQUESTING AND RESOLUTION APPROVING
APPROPRIATION OF FUNDS FROM THE COUNTY BRIDGE FUND
PURSUANT TO 605 ILCS 5/5-501

WHEREAS, the County Board finds that based on the representations in the attached Petition, it required pursuant to 605 ILCS 5/5-501 to provide the requested aid.

NOW, THEREFORE, BE IT RESOLVED by the County Board of Champaign County as follows:

1. The County Board hereby appropriates from the County Bridge Fund a sufficient sum to meet one-half the cost of replacing the structure on the aforesaid petition to cover the cost of materials.
2. The County Board hereby directs the County Engineer to cause plans and specifications to be prepared for said improvement.
3. The County Board hereby orders that said improvement be made under the general supervision of the County Engineer, either by the letting of a contract or by the County Highway Department doing the work.
4. The County Board hereby directs the County Engineer to certify to the County Board when the work has been satisfactorily completed to meet his or her approval. Such certificate shall include an itemized account of the cost of all items of work incurred in the completion of said improvement, and shall show the division of cost between the County and the Ogden Road District.
5. The County Board further directs the County Engineer to file said certificate with the clerk of the Ogden Road District.
6. This Resolution shall become effective upon its adoption.

PRESENTED, ADOPTED, APPROVED and RECORDED this 26th day of January, 2013.

Alan Kurtz, Chair
County Board
Champaign County, Illinois

ATTEST: _____
Gordy Hulten, County Clerk
and ex-officio Clerk of the
Champaign County Board

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1. Petitioner is the duly elected Highway Commissioner for the Ogden Road District, Champaign County, Illinois; and
2. There is a culvert located between Sections 7 & 7, which is in poor condition and is inadequate to serve the needs of the traveling public; and
3. To ensure the adequacy of said structure for the traveling public, it is necessary that said structure be replaced; and
4. The cost of replacing the aforesaid structure is estimated to be \$30,000.00, which will be more than .02% of the value of all the taxable property in the Ogden Road District, as equalized or assessed by the Department of Revenue; and
5. The tax rate for road purposes in the Ogden Road District was in each year for the last two (2) years not less than the maximum allowable rate provided for in Section 6-501 of the Illinois Highway Code (605 ILCS 5/6-501); and
6. The Ogden Road District is prepared to pay one-half of the cost of the replacement of said structure.

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Commissioner of Highways of
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PURSUANT TO 605 ILCS 5/5-501

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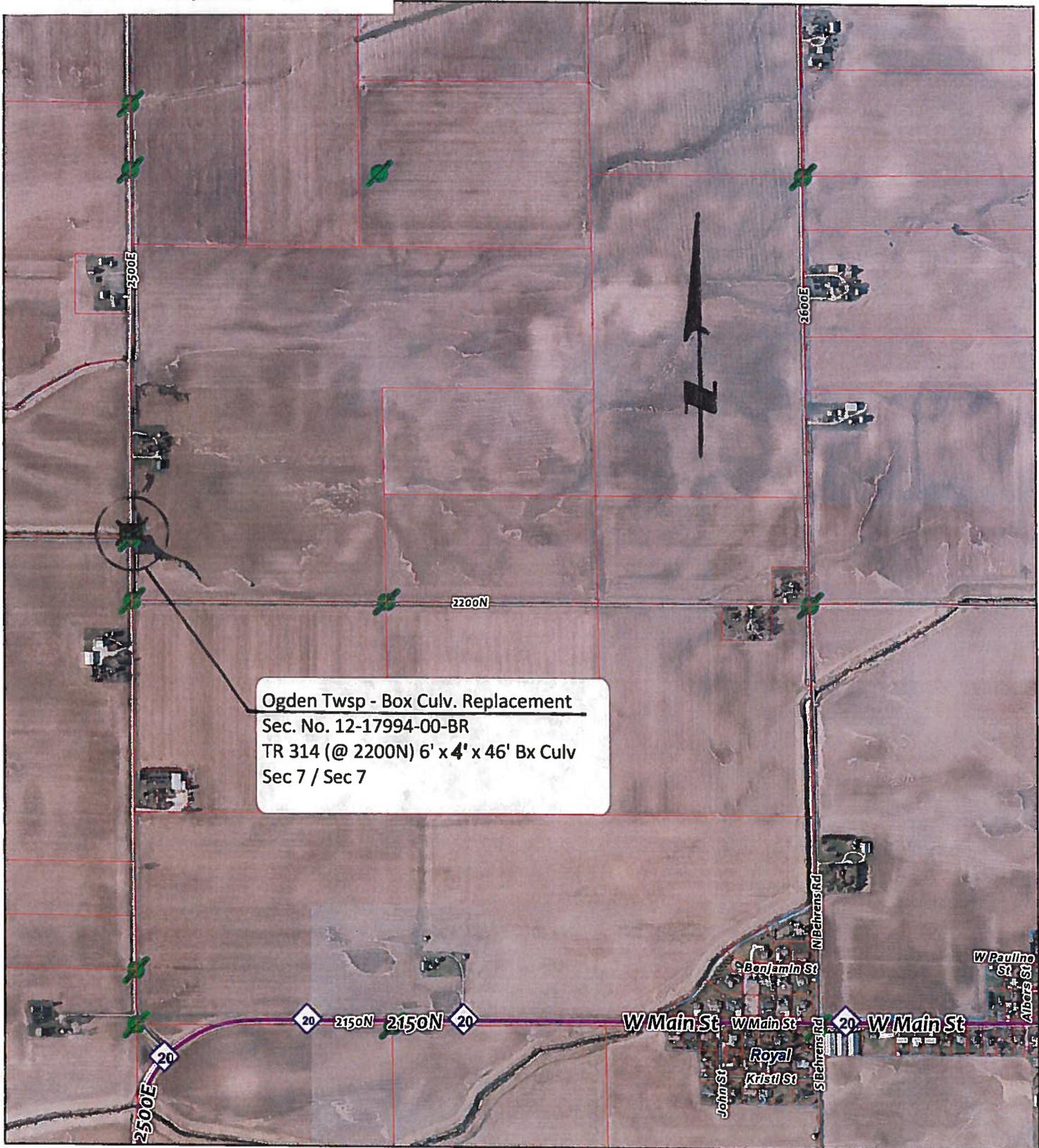
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Champaign County, Illinois

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Gordy Hulten, County Clerk
and ex-officio Clerk of the
Champaign County Board



Ogden Twsp - Box Culv. Replacement
 Sec. No. 12-17994-00-BR
 TR 314 (@ 2200N) 6' x 4' x 46' Bx Culv
 Sec 7 / Sec 7

CHAMPAIGN COUNTY
GIS
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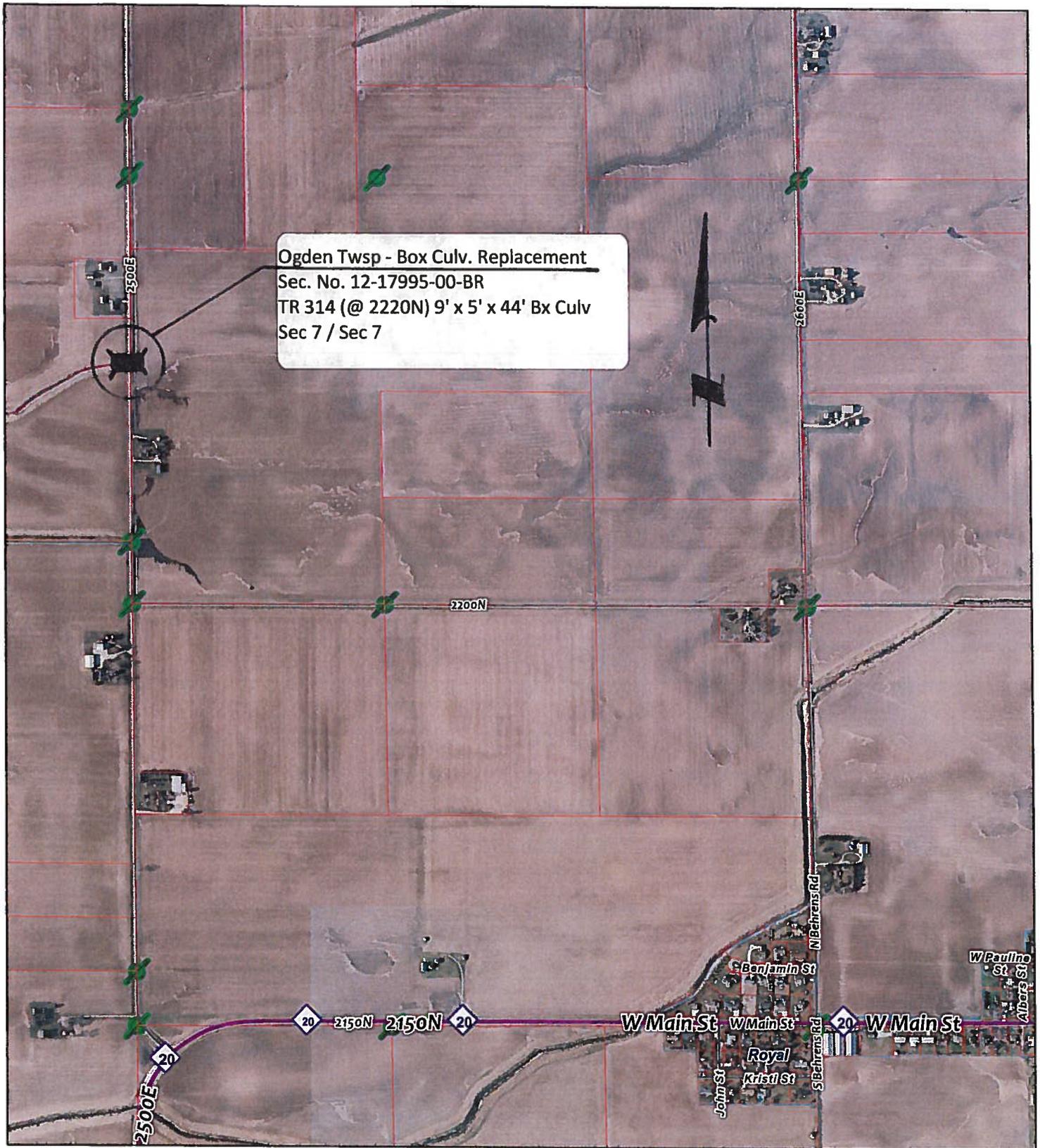
DISCLAIMER:

This map was prepared by the Champaign County GIS Consortium (CCGISC) using the best available parcel and tax data. This map and its underlying data is intended to be used as a general index to land related information and is not intended for detailed, site-specific analysis. CCGISC does not warranty or guarantee the accuracy of this information for any purpose. The aerial photography in this map was taken in April of 2008. For questions, regarding availability of geo-data or the CCGISC, or to report a mapping error, please contact CCGISC at :

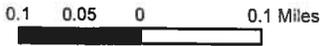
A Program of the Champaign

Ogden Township Location Map

7-328-3313



Ogden Twsp - Box Culv. Replacement
 Sec. No. 12-17995-00-BR
 TR 314 (@ 2220N) 9' x 5' x 44' Bx Culv
 Sec 7 / Sec 7



Ogden Township Location Map

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CHAMPAIGN COUNTY 2013 TOWNSHIP
MFT LETTING FOR MATERIALS DELIVERED
November 29, 2012

BIDDER	AYERS ITEM I CA-15 Cr. St.	AYERS ITEM II CA-6/10 Cr.St	BROWN ITEM I CA-15, Cr.St.	COLFAX ITEM I CA-15 Cr.St.	COLFAX ITEM II CA-6/10 Cr.St.	COMPROMISE ITEM I CA-16 Cr.St.	COMPROMISE ITEM II Turkey Grit	COMPROMISE ITEM III CA-6/10	COMPROMISE ITEM IV CA-16 Cr. Wsh.	CONDIT ITEM I CA-15 Cr.St.	CRITTENDEN ITEM I CA-14 Cr. St.	EAST BEND ITEM I CA-16 Cr.St.
Comrad Trucking	500 Tons	250 Tons	1,100 Tons	1,400 Tons	200 Tons	1,000 Tons	750Tons	1,000 Tons	1,000 Tons	900 Tons	1,500 Tons	1,500 Tons
Grosso Trucking						18.75	13.50	15.50	23.78			18.75
Langley Trucking						17.23	11.04	12.59	31.15			17.98
Limestone Trucking, Inc.												18.30
Osterbur Trucking, Inc.												
Summers Trucking	15.99	12.82	19.13	17.15	14.15	18.90	15.95	13.48		18.22	14.23	18.39
Tuscola Stone	15.29	12.34	18.05	15.45	12.75	17.45	15.45	15.20		17.20	13.43	16.48
Weber Trucking						17.75	15.50	14.40				17.65
Estimate	16.36	12.78	19.48	16.48	13.59	17.37	11.37	12.00	20.00	18.40	14.07	17.55
under/over %	-6.54%	-3.44%	-7.34%	-6.25%	-6.18%	-0.81%	-2.90%	4.92%	18.90%	-6.52%	-4.55%	-6.10%

CHAMPAIGN COUNTY 2013 TOWNSHIP
MFT LETTING FOR MATERIALS DELIVERED
November 29, 2012

	HARWOOD	HARWOOD	HENSLEY	KERR	NEWCOMB	OGDEN	PESOTUM	PESOTUM	PHILO	RANTOUL	RAYMOND	SADORUS
BIDDER	ITEM I CA-16 Cr. St	ITEM II CA-6/10 Cr.St.	ITEM I CA-16 Cr.St.	ITEM I CA-15 Cr.St.	ITEM I CA-16 Cr.St.	ITEM I CA-16 Cr.St.	ITEM I CA-6/10 Cr.St.	ITEM II CA-15 Cr.St.	ITEM I CA-15 Cr.St.	ITEM I CA-16 Cr. St.	ITEM I CA-16 Cr.St.	ITEM I CA-16 Cr.St.
Conrad Trucking	1200 Tons 18.75	200 Tons 11.48	1,050 Tons	500 Tons	1,500 Tons 18.75	500 Tons	1,000 Tons	500 Tons	2,100 Tons	2,000 Tons 18.75	1,000 Tons	1,000 Tons
Grosso Trucking	17.84											
Langley Trucking						17.27						
Limestone Trucking, Inc.					18.30							
Osterbur Trucking, Inc.				20.09		17.00					18.21	
Summers Trucking	18.50	14.63	16.44	18.02	17.83	16.98	12.04	15.04	16.25	17.92	15.08	15.19
Tuscola Stone	17.25	15.75	15.35	18.65	16.09	15.35	11.25	13.88	14.90	16.75	13.90	13.75
Weber Trucking	17.75	14.40			19.75					16.85		
Estimate	17.30	11.24	16.40	19.38	17.00	17.18	12.78	17.85	17.91	17.44	14.63	14.59
under/over %	-0.29%	2.14%	-6.40%	-7.02%	-5.35%	-10.65%	-11.97%	-22.24%	-16.81%	-3.96%	-4.99%	-5.76%

CHAMPAIGN COUNTY 2013 TOWNSHIP
MFT LETTING FOR MATERIALS DELIVERED
November 29, 2012

BIDDER	SADORUS		SADORUS		SCOTT		SOMER		SOMER		ST JOSEPH		STANTON		TOLONO		URBANA	
	ITEM II	CA-6/10 Cr. St.	ITEM III	CA-14 Cr. St.	ITEM I	CA-16 Cr. St.	ITEM I	CA-16 Cr. St.	ITEM II	CA-15 Cr. St.	ITEM I	CA-15 Cr. St.	ITEM I	CA-15 Cr. St.	ITEM I	CA-15 Cr. St.	ITEM I	CA-15 Cr. St.
Conrad Trucking	600 Tons		500 Tons		500 Tons		500 Tons		1,000 Tons		500 Tons		1,000 Tons		500 Tons		2,250 Tons	
Grosso Trucking																		
Langley Trucking													18.90					
Limestone Trucking, Inc.																		
Osterbur Trucking, Inc.											18.45		19.20					
Summers Trucking	12.97	14.99	16.68	16.93	17.63	16.84	16.35	16.30	18.75	19.03	15.44	15.10	17.05					
Tuscola Stone	11.94	13.95	15.27	15.15	16.35	16.30												
Weber Trucking																		
Estimate	12.78	12.78	14.66	17.44	16.97	18.75	19.03	15.44	15.98									
under/over %	-6.57%	9.15%	4.16%	-13.13%	-3.65%	-13.07%	-0.68%	-5.63%	-5.51%									

ORDINANCE NO.

**AN ORDINANCE FOR THE ESTABLISHMENT
OF AN ALTERED SPEED ZONE
ON COUNTY HIGHWAY 50 (LAKE OF THE WOODS ROAD)**

WHEREAS, It is hereby declared by the County Board of Champaign County, Illinois, that due to the 35 miles per hour design speed of bridge 010-0289 carrying County Highway 50 over Interstate 74 the basic statutory vehicular speed limit established by Section 11-604 of the Illinois Vehicle Code is greater than that considered reasonable and proper on County Highway 50 (Lake of the Woods Road) from US Route 150 northeast to County Highway 54 (Tin Cup Road), a distance of 1.0 mile, for which Champaign County has maintenance responsibility and which is not under the jurisdiction of the Department of Transportation, State of Illinois;

NOW, THEREFORE, BE IT DECLARED, That by virtue of Section 11-604 of the above Code, and in accordance with the design speed of structure 010-0289 it was determined that the reasonable and proper absolute maximum speed limit shall be 35 miles per hour; and

BE IT FURTHER DECLARED, That this ordinance shall take effect immediately after the erection of said signs giving notice of the maximum speed limit.

PRESENTED, PASSED, APPROVED and RECORDED This 24th day of January, A.D., 2013.

Alan Kurtz, Chair
County Board of the County of
Champaign, Illinois

ATTEST: _____
Gordy Hulten, County Clerk and
ex-Officio Clerk of the County Board

Prepared by: Jeff Blue
County Engineer



DESIGN SPECIFICATIONS
200 AASHTO LRFD Bridge Design Specifications,
Sh. Ed. with 2010 Interim

DESIGN STRESSES

FIELD LIMITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (A270 Grade 50)
PRECAST UNITS
 $f_c = 6,000$ psi
 $f_y = 5,000$ psi
 $f_{pu} = 270,000$ psi (5" & low lax strands)
 $f_{pb} = 201,960$ psi (5" & low lax strands)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

CURVE DATA (C.H. 50)

$\Delta = 47^{\circ}10'49.46''$
 $D = 7^{\circ}30'$
 $T = 333.38'$
 $L = 628.65'$
 $E = 63.618'$
 $R = 763.44'$
 $P.I. = Sta. 23+04.98$
 $S.E. = 0.0015$ ft/ft
 $Full S.E. from Sta. 19+50 to Sta. 25+85.26.$

CURVE DATA (F.A.I. 74)

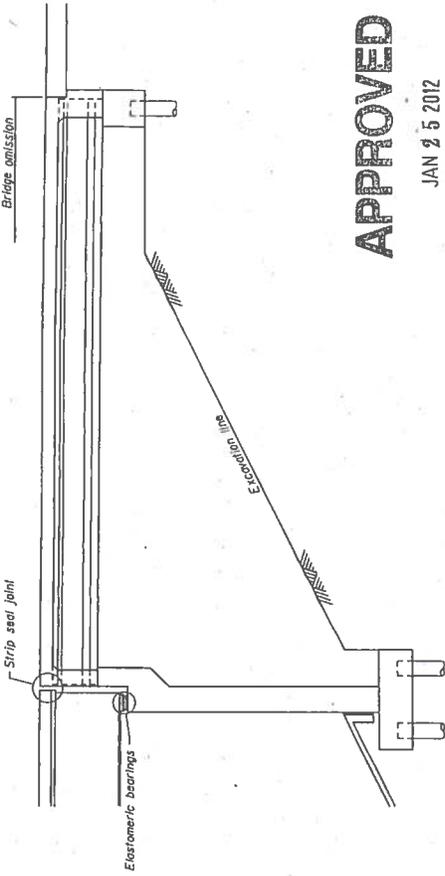
$\Delta = 17^{\circ}18'03''$
 $D = 1^{\circ}08'$
 $T = 765.90'$
 $L = 1528.02'$
 $E = 58.29'$
 $R = 5055.65'$
 $P.I. = Sta. 1851+33.42$
 $S.E. = 0.0312$ ft/ft

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_D) = 0.094 g
 Design Spectral Acceleration at 0.2 sec. ($S_{0.2}$) = 0.171 g
 Soil Site Class = C

HIGHWAY CLASSIFICATION

Rte. F.A.S. 1520 - Rte. (C.H. 50)
 Functional Class: Interstate
 ADT: 27,000 (2010); 40,700 (2030)
 ADT: 2550 (2010); 3350 (2030)
 ADT: 350 (2010)
 DMV: 135
 Design Speed: 35 m.p.h.
 Posted Speed: 35 m.p.h.
 Two-Way Traffic
 Directional Distribution: 50:50

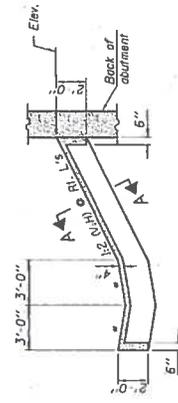


APPROVED

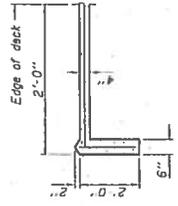
JAN 25 2012

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

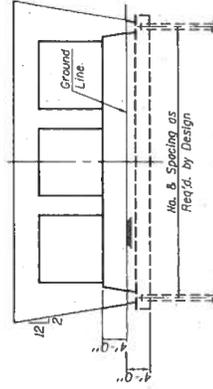
SECTION THRU VAULTED ABUTMENT
(horiz. dim. @ Rt. L.S.)



SECTION THRU
CONCRETE SLOPEWALL

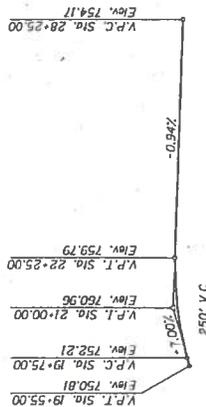


SECTION A-A

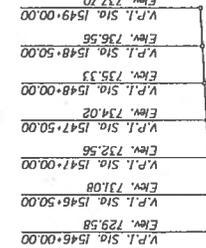


PIER SKETCH

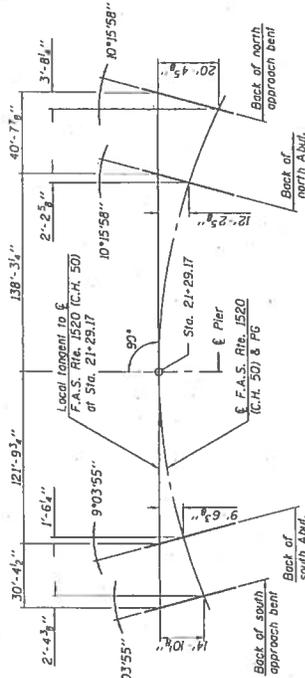
PROFILE GRADE (C.H. 50)



PROFILE GRADE (W.B. I-74)



PROFILE GRADE (E.B. I-74)



OFFSET SKETCH

GENERAL PLAN & ELEVATION
LAKE OF THE WOODS ROAD (C.H. 50)
OVER F.A.I. RTE. 74
F.A.I. RTE. 74 - SEC. 10-4BR
CHAMPAIGN COUNTY

STATION 21+29.17
STRUCTURE NO. 010-0289

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGNED BY	DAVID C. VERHALST
CHECKED BY	SEAN CHIU
DRAWN BY	MICHAEL B. WISSMAN
CHECKED BY	DAVE F. ZIE
F.A.S. RITE	LEO
SECTION	10-4BR
COUNTY	CHAMPAIGN
TOTAL SHEET NO.	10
TOTAL SHEETS	3
CONTRACT NO.	10-4BR
CONTRACT NO. TOTAL	10-4BR
ILLINOIS STATE PROJECT	

SHEET NO. 2 OF 3 SHEETS

1/24/2012