

**TRANSPORTATION COMMITTEE AGENDA**  
**Room 400, Government Center**  
**115 E. Washington Street, Bloomington, IL**  
**Tuesday, August 15, 2006**  
**8:00 A.M.**

1. **Roll Call**
2. **Approval of Minutes from July 11, 2006 Meeting**
3. **Recommend Payment of Bills to County Board**
4. **Appearance by Members of the Public and County Employees**
5. **Items to be Presented for Action**
  - A. Resolution & Letting Results from August 8, 2006 County & Township Projects 1 – 2
  - B. Resolution & Letting Results from August 14, 2006 County Project
  - C. Horizon Wind Farm – Changes to Exhibit B of Road Agreement 3 – 12
6. **Items to be Presented for Information**
  - A. Project Summary
    1. Ellsworth Wind Farm Box Culverts – Sec 06-00134-05-BR & 06-00134-06-BR – (CH 17) 13
    2. Horizon Wind Farm Resurfacing – Sec 06-00044-10-SM, 06-00134-07-SM & 06-00140-03-SM 14
    3. Old Route 150 – White Oak Road – Sec 03-00182-00-RS 15
    4. Old Route 150 – Bridge Replacement – Sec 00-00182-01-BR 16
    5. Stanford / McLean Road – Box Culvert – Sec 05-00047-10-BR 17
    6. City of Chenoa – Joint Culvert – Sec 02-00024-00-DR 18
    7. Fairfield Culvert – 05-00040-05-BR 19
  - B. East Side Highway Study 20
  - C. Other
7. **Adjournment**

**RESOLUTION BY THE COUNTY BOARD OF MCLEAN COUNTY**

WHEREAS, the bids were reviewed by the Transportation Committee of the McLean County Board at their meeting on August 15, 2006, for a letting held on August 8, 2006 for one (1) McLean County Non-MFT Construction Section project and two (2) Township MFT Construction Section projects; and

WHEREAS, the Transportation Committee duly approved the bids on August 15, 2006.

NOW THEREFORE BE IT RESOLVED by the County Board of McLean County that they award the following materials and contracts:

**Non-MFT CONSTRUCTION SECTION:**

**McLean County ..... Combined Sections 06-00027-05-SC & 06-00113-05-SC**

The successful bidder for the above section was:

AC Pavement Striping Co ..... \$98,254.34

**MFT TWP CONSTRUCTION SECTIONS:**

**Lexington RD ..... Sec 02-21131-00-AS – GR 13**

The Successful bidder for the above section was:

Towanda Company ..... \$95,840.00

**Money Creek RD ..... Sec 05-23132-00-AS – GR 13**

The successful bidder for the above section was:

Towanda Company ..... \$71,880.00

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Michael F. Sweeney, Chairman  
McLean County Board

STATE OF ILLINOIS        ]  
  ]    SS  
COUNTY OF MCLEAN     ]

I, Peggy Ann Milton, County Clerk in and for said County is the State aforesaid and keeper of the records and files thereof, as provided by statutes, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the County Board of McLean County at its monthly meeting held at Bloomington, Illinois on August 22, 2006.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said County at my office in Bloomington, Illinois, in said County this 22<sup>nd</sup> day of August, A.D., 2006.

[SEAL]

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Peggy Ann Milton, McLean County Clerk

**MCLEAN COUNTY HIGHWAY DEPARTMENT**  
AUGUST 8, 2006

MCLEAN COUNTY  
C. 06-00027-05-SC & 06-00113-05-SC

ITEM	DELIVERY	UNIT	QUANTITY	UNIT PRICE	TOTAL	ESTIMATE	MICRO-SURFACING (PEORIA)	ROWE	MICRO-SURFACING (STERLING)
060-SURFACING, TYPE II, 1 PASS		SQ YD	60,168	\$1.97	\$118,530.96	\$118,530.96	BID BOND		
							UNIT PRICE	UNIT PRICE	UNIT PRICE
							\$1.64	\$1.633	\$0.00
							TOTAL	TOTAL	TOTAL
							\$98,675.52	\$98,254.34	\$0.00
							-16.75%	-17.11%	-100.00%

ITEM	DELIVERY	UNIT	QUANTITY	UNIT PRICE	TOTAL	ESTIMATE	ROWE	TOWANDA CO
060 OR 10 RUSHED LIMESTONE ONLY)		TON	8,000	\$11.50	\$92,000.00	\$92,000.00	BID BOND	
							UNIT PRICE	UNIT PRICE
							\$12.50	\$11.98
							TOTAL	TOTAL
							\$100,000.00	\$95,840.00
							8.70%	4.17%

ITEM	DELIVERY	UNIT	QUANTITY	UNIT PRICE	TOTAL	ESTIMATE	ROWE	TOWANDA CO
060 OR 10 RUSHED LIMESTONE ONLY)		TON	6,000	\$11.50	\$69,000.00	\$69,000.00	BID BOND	
							UNIT PRICE	UNIT PRICE
							\$12.50	\$11.98
							TOTAL	TOTAL
							\$75,000.00	\$71,880.00
							8.70%	4.17%

**Additions to Exhibit B for Horizon Wind Farm Construction  
Cost C.H. 13 & C.H. 15**

8/2/2006

**Colfax Road C.H. 15 Route 9 to Route 165 5.45 miles**

Cost to Widen & Overlay 1.5"	\$740,000 without Horizon Trucks
Cost to Widen & Overlay 3.25"	\$1,375,000 with Horizon Trucks
Difference in Cost to Horizon for 1.75"	\$485,000
<b>Recycle</b>	
Cost to Recycle 8"	\$600,000
Cost to Seal Coat	\$100,000
Cost to Overlay 3.5"	\$1,050,000
<b>Recycle Total</b>	<b>\$1,750,000</b>

**Colfax-Westin Road C.H. 13 Route 165 to 2450N 4.58 miles**

Cost to Overlay 1.5"	\$370,000 with Horizon Trucks
Cost to Horizon for 1.5"	\$370,000

**Colfax-Westin Road C.H. 13 Route 2450N to Route 24 7.39 miles**

Cost to Widen & Overlay 4"	\$2,175,000 without Horizon Trucks
Cost to Widen & Overlay 5.5"	\$2,925,000 with Horizon Trucks
Difference in Cost to Horizon for 1.5"	\$600,000
<b>Recycle</b>	
Cost to Recycle 8"	\$820,000
Cost to Seal Coat	\$130,000
Cost to Overlay 3.5"	\$1,450,000
<b>Recycle Total</b>	<b>\$2,400,000</b>

**Cost of Additional Improvements Required for Wind Farm  
Construction Use**

C.H. 15	Route 9 to Route 165	\$485,000
C.H. 13	Route 165 to 2450N	\$370,000
C.H. 13	2450N to Route 24	\$600,000
	<b>Total</b>	<b>\$1,455,000</b>

CH 15 COLFAX RD RT 9 TO RT 165/TYPICAL #1

STRUCTURAL DESIGN DATA 73,280#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1100  
STRUCTURAL DESIGN TRAFFIC: 1342 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1181	S.U.	94	M.U.	67

MINIMUM SOIL SUPPORT: IBR= 3.0

TRAFFIC FACTOR (T.F.)= 0.293

STRUCTURAL NUMBER (Dt)= 3.5

PAVEMENT STRUCTURE MATERIALS:

SURFACE:	PROPOSED BITUMINOUS CONCRETE	1.5 @ 0.40	a1= 0.60
BASE:	EXISTING BITUMINOUS CONCRETE	4 @ 0.30	a2= 1.20
BASE:	EXISTING BITUMINOUS CONCRETE	3 @ 0.25	a3= 0.75
SUBBASE:	EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

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PROPOSED Dt TOTAL 3.55

E.G 08/01/06

CH 15 RT 9 TO RT 165/ TYPICAL #1

STRUCTURAL DESIGN DATA 80,000#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1100  
STRUCTURAL DESIGN TRAFFIC: 1342 YEAR: 2020

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1181	S.U.	94	M.U.	67

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 0.362

STRUCTURAL NUMBER (Dt)= 3.6

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	1.75 @ 0.40	a1= 0.70
BASE: EXISTING BITUMINOUS CONCRETE	4 @ 0.30	a2= 1.20
BASE: EXISTING BITUMINOUS CONCRETE	3 @ 0.25	a3= 0.75
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

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PROPOSED Dt TOTAL 3.65

E.G. 08/01/06

CH 15 RT 9 TO RT 165/ TYPICAL #1 WITH ADDITIONAL TRUCK TRAFFIC

STRUCTURAL DESIGN DATA 80,000#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1100  
STRUCTURAL DESIGN TRAFFIC: 1342 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1181	S.U.	94	M.U.	302

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 1.265

STRUCTURAL NUMBER (D<sub>t</sub>)= 4.2

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	3.25 @ 0.40	a1= 1.30
BASE: EXISTING BITUMINOUS CONCRETE	4 @ 0.30	a2= 1.20
BASE: EXISTING BITUMINOUS CONCRETE	3 @ 0.25	a2= 0.75
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a3= 1.00

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PROPOSED D<sub>t</sub> TOTAL 4.25

E.G. 08/01/06

CH 15 COLFAX RD RT 165 TO RT 2450N

STRUCTURAL DESIGN DATA 73,280#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	73

MINIMUM SOIL SUPPORT: IBR= 3.0

TRAFFIC FACTOR (T.F.)= 0.320

STRUCTURAL NUMBER (Dt)= 3.5

PAVEMENT STRUCTURE MATERIALS:

SURFACE:	PROPOSED BITUMINOUS CONCRETE	0 @ 0.40	a1= 0.00
BASE:	EXISTING BITUMINOUS CONCRETE	4 @ 0.40	a2= 1.60
BASE:	EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a3= 1.13
SUBBASE:	EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

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PROPOSED Dt TOTAL 3.73

E.G 08/01/06



CH 15 RT 165 TO 2450N

STRUCTURAL DESIGN DATA 80,000#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	73

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 0.395

STRUCTURAL NUMBER (D)= 3.6

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	0 @ 0.40	a1= 0.00
BASE: EXISTING BITUMINOUS CONCRETE	4 @ 0.40	a2= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a2= 1.13
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a3= 1.00

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PROPOSED D<sub>t</sub> TOTAL 3.73

E.G. 08/01/06

CH 15 RT 165 TO 2450N WITH ADDITIONAL TRUCK TRAFFIC

STRUCTURAL DESIGN DATA 80,000#

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CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2020

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	308

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 1.298

STRUCTURAL NUMBER (Dt)= 4.3

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	1.5 @ 0.40	a1= 0.60
BASE: EXISTING BITUMINOUS CONCRETE	4 @ 0.40	a2= 1.60
BASE: EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a2= 1.13
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a3= 1.00

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PROPOSED Dt TOTAL 4.33

E.G. 08/01/06

CH 15 COLFAX RD 2450N TO RT 24

STRUCTURAL DESIGN DATA 73,280#

CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	73

MINIMUM SOIL SUPPORT: IBR= 3.0

TRAFFIC FACTOR (T.F.)= 0.320

STRUCTURAL NUMBER (D)<sub>t</sub>= 3.5

PAVEMENT STRUCTURE MATERIALS:

SURFACE:	PROPOSED BITUMINOUS CONCRETE	3.75 @ 0.40	a1= 1.50
BASE:	EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a2= 1.13
BASE:	EXISTING OIL & CHIP	0 @ 0.16	a3= 0.00
SUBBASE:	EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

PROPOSED D<sub>t</sub> TOTAL 3.63

E.G 08/01/06

CH 15 2450N TO RT 24

STRUCTURAL DESIGN DATA 80,000#

CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	73

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 0.395

STRUCTURAL NUMBER (Dt)= 3.6

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	3.75 @ 0.40	a1= 1.50
BASE: EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a2= 1.13
BASE: EXISTING OIL & CHIP	0 @ 0.16	a3= 0.00
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

PROPOSED Dt TOTAL 3.63

E.G. 08/01/06

CH 15 2450N TO RT 24 WITH ADDITIONAL TRUCK TRAFFIC

STRUCTURAL DESIGN DATA 80,000#

CLASS III ROAD DESIGN PERIOD 20 YEARS

CURRENT A.D.T. 1200  
STRUCTURAL DESIGN TRAFFIC: 1464 YEAR: 2026

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

P.C.	88%	S.U.	7%	M.U.	5%
P.C.	1288	S.U.	102	M.U.	308

MINIMUM SOIL SUPPORT: IBR = 3.0

TRAFFIC FACTOR (T.F.)= 1.298

STRUCTURAL NUMBER (D<sub>t</sub>)= 4.3

PAVEMENT STRUCTURE MATERIALS:

SURFACE: PROPOSED BITUMINOUS CONCRETE	5.5 @ 0.40	a1= 2.20
BASE: EXISTING BITUMINOUS CONCRETE	4.5 @ 0.25	a2= 1.13
BASE: EXISTING OIL & CHIP	0 @ 0.16	a3= 0.00
SUBBASE: EXISTING AGGREGATE BASE COURSE	10 @ 0.10	a4= 1.00

PROPOSED D<sub>t</sub> TOTAL 4.33

E.G. 08/01/06