

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1FH0021P.E.-A	Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278	213.598	N/A	N/A	213.598	P.E.-A=0.531	Highway Purposes	19-27-126-004	
1FH0021P.E.-B						P.E.-B=32.099	Highway Purposes	19-27-351-002	
1FH0021P.E.-C						P.E.-C=33.894	Highway Purposes	19-27-351-014	
1FH0021P.E.-D						T.E.-D=2.981	Construction Purposes	19-25-200-025	
1FH0021P.E.-E						T.E.-E=0.129	Grading	19-28-426-011	
1FH0021P.E.-F						T.E.-F=0.743	Grading		
1FH0021P.E.-G	T.E.-G=10.056	Grading							
1FH0021P.E.-H	T.E.-H=0.470	Grading							

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
164+76.11	3.90' Lt.	2,006,891.940	995,980.167
166+78.62	200.00' Lt.	2,007,118.629	996,147.751
166+78.62	210.00' Lt.	2,007,128.494	996,146.089
166+78.62	220.00' Lt.	2,007,138.358	996,144.447
167+40.02	41.01' Rt.	2,006,893.522	996,250.172
167+95.16	56.20' Rt.	2,006,893.874	996,310.177
168+47.73	220.00' Lt.	2,007,171.000	996,268.724
170+17.24	163.73' Rt.	2,006,895.456	996,580.182
170+38.94	179.13' Rt.	2,006,895.632	996,610.184

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	60.18
	T2	28.28
	T3	50.96
2	T1	55.71
	T2	18.27
	T3	45.20
3	T1	287.48
	T2	250.20
	T3	216.29
4	T1	293.04
	T2	244.47
	T3	198.30
5	T1	128.15
	T2	11.25
	T3	127.43
6	T1	12.98
	T2	125.31
	T3	246.31
7	T1	16.35
	T2	136.60
	T3	256.85
8	T1	43.98
	T2	53.45
	T3	69.17
9	T1	16.79
	T2	38.26
	T3	59.31

Proposed Pavement Illinois Route 31 Bypass Curve #4
 P.I. = Sta. 174+59.45
 Δ = 80°38'27"
 R = 920.05'
 T = 780.83'
 L = 1294.93'
 E = 285.67'
 P.C. = Sta. 166+78.62
 P.T. = Sta. 179+73.55

Proposed Pavement Quarry Access Curve #13
 P.I. = Sta. 63+99.57
 Δ = 72°07'00"
 R = 112.01'
 T = 81.55'
 L = 140.98'
 E = 26.54'
 P.C. = Sta. 63+18.02
 P.T. = Sta. 64+59.00

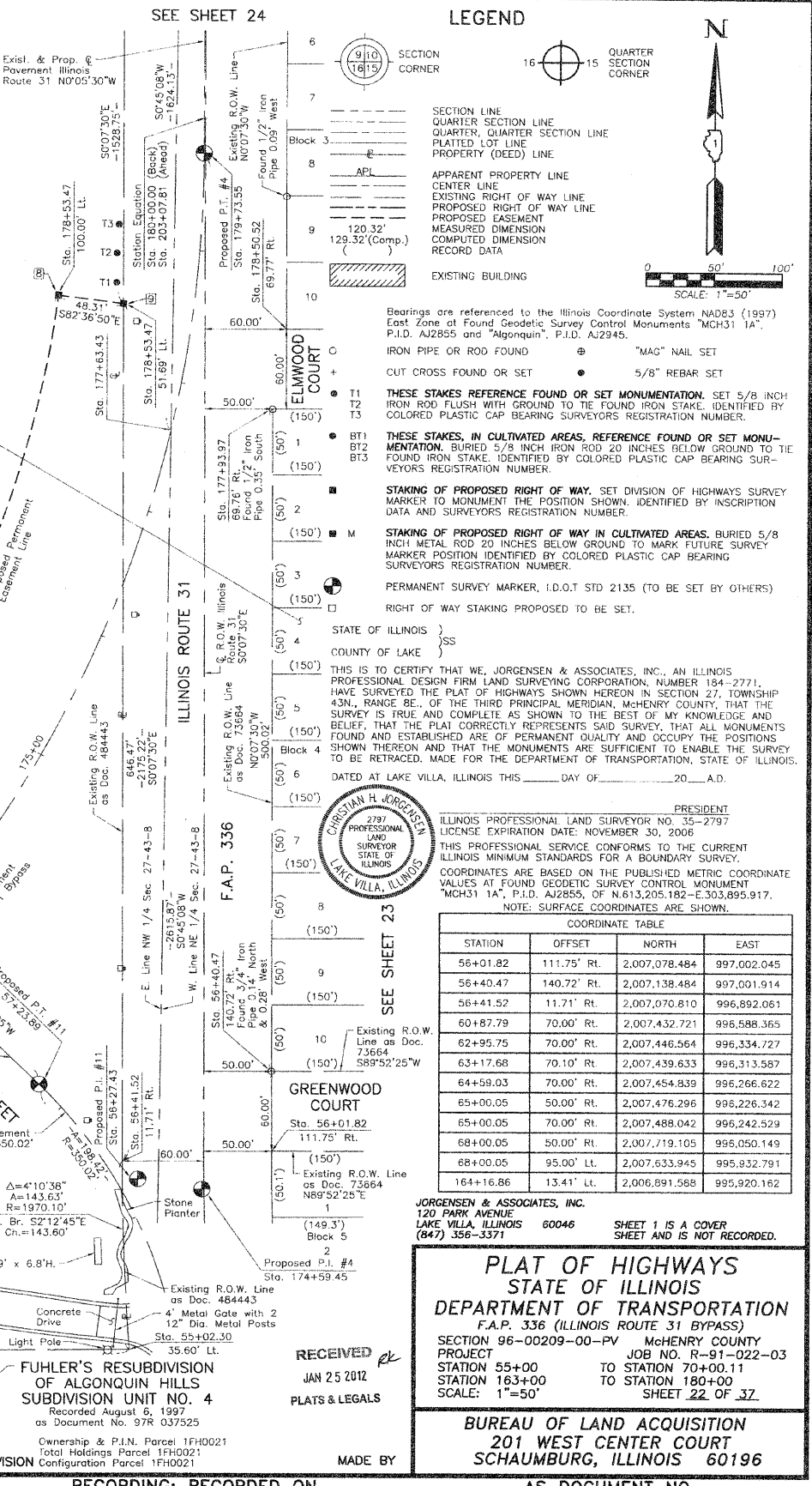
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
171+16.81	210.00' Lt.	2,007,259.896	996,454.232
171+16.81	235.00' Lt.	2,007,279.930	996,439.278
171+16.81	436.42' Lt.	2,007,441.341	996,318.794
171+16.81	460.39' Lt.	2,007,460.546	996,304.458
171+46.34	518.63' Lt.	2,007,515.148	996,279.883
172+51.90	531.40' Lt.	2,007,554.816	996,305.045
172+74.58	482.44' Lt.	2,007,528.033	996,347.267
174+27.14	100.00' Lt.	2,007,371.106	996,709.888
174+29.61	111.12' Lt.	2,007,379.118	996,701.856
174+31.95	235.00' Lt.	2,007,449.452	996,589.857
176+88.08	441.60' Lt.	2,007,683.557	996,485.334
177+45.58	482.62' Lt.	2,007,722.308	996,453.737
177+62.80	395.84' Lt.	2,007,710.699	996,540.204
177+63.43	€	2,007,622.047	996,925.994
177+93.97	69.76' Rt.	2,007,638.500	997,000.824
178+44.62	416.14' Lt.	2,007,759.328	996,528.579
178+50.52	69.77' Rt.	2,007,698.522	997,010.693
178+53.47	51.69' Lt.	2,007,717.277	996,890.652
178+53.47	100.00' Lt.	2,007,723.487	996,842.746

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1FH0021	75292	October 9, 1926
1FH0021	48443	January 29, 1968
-----	73664	June 17, 1926
-----	75292	October 9, 1926

FRANK E. MERRILL & Co's.
 UNIT No. 4
 ALGONQUIN HILLS
 SUBDIVISION
 Recorded October 9, 1926
 as Document No. 75292

See Sheet 32 for
 Total Holdings Parcel
 1FH0021, 1FH0021P.E.-A & B
 & 1FH0021T.E.-B, D, E, F & G

FRANK E. MERRILL & Co's.
 ALGONQUIN HILLS
 UNIT NO. 1
 Recorded June 17, 1926
 as Document No. 73664



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- PLATED LOT LINE
- PROPERTY (DEED) LINE
- APPLICABLE PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. A12855 and "Algonquin", P.I.D. A12945.

IRON PIPE OR ROD FOUND "MAG" NAIL SET
 CUT CROSS FOUND OR SET 5/8" REBAR SET

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. A12855, OF N.613,205.182-E.303,895.917.
 NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
56+01.82	111.75' Rt.	2,007,078.484	997,002.045
56+40.47	140.72' Rt.	2,007,138.484	997,001.914
56+41.52	11.71' Rt.	2,007,070.810	996,892.061
60+87.79	70.00' Rt.	2,007,432.721	996,588.365
62+95.75	70.00' Rt.	2,007,446.564	996,334.727
63+17.68	70.10' Rt.	2,007,439.633	996,313.587
64+59.03	70.00' Rt.	2,007,454.839	996,266.622
65+00.05	50.00' Rt.	2,007,476.296	996,226.342
65+00.05	70.00' Rt.	2,007,488.042	996,242.529
68+00.05	50.00' Rt.	2,007,719.105	996,050.149
68+00.05	95.00' Lt.	2,007,633.945	995,932.791
164+16.86	13.41' Lt.	2,006,891.588	995,920.162

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
 SECTION 96-00209-00-PV McHENRY COUNTY
 PROJECT JOB NO. R-91-022-03
 STATION 55+00 TO STATION 70+00.11
 STATION 163+00 TO STATION 180+00
 SCALE: 1"=50'
 SHEET 22 OF 37

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

RECEIVED
 JAN 25 2012
 PLATS & LEGALS

MADE BY