

DEKALB COUNTY HIGHWAY DEPARTMENT
DEKALB, ILLINOIS

ESTABLISHMENT OF SPEED ZONES

Zone No. 1

ROUTE: Peace Road FROM: Bethany Road

TO: 500 ft south of Foxbend Drive A DISTANCE OF 0.47 MILES

IN: Cortland TOWNSHIP, DEKALB COUNTY

I. SPOT SPEED STUDIES (ATTACHED)

Check No.	85th %	10 MPH Pace Upper Limit
1 NB	52	52
1 SB	53	49
2 NB	55	53
2 SB	52	51

V. DRIVEWAY CONFLICTS

Residential Drives	<u>0 x 1</u>	0
Small Business Drives	<u>0 x 5</u>	0
Large Business Drives	<u>2 x 10</u>	20
Driveway Conflict Number Total		<u>20</u>
	<u>20</u>	= <u>42.55319149</u>
	<u>0.47</u>	Conflict No./mile

II. TEST RUNS

Run No.	Average Speed MPH	
	NB or WB	SB or EB
1	n/a	n/a
2		
3		
4		
5		

VI. MISCL FACTORS

Pedestrian Volume:	None
Accident Rate Ratio:	
	Statewide Avg = 0
	Route = 0
Parking Permitted:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

III. PREVAILING SPEED

85th Percentile Avg. MPH	53
Upper Limit Avg MPH	51.25
Test Run Avg. MPH	
Prevailing Speed MPH	<u>52.13</u>

VII: PREVAILING SPEED ADJUSTMENT

Driveway Adjustment %	5%
Pedestrian Adjustment %	0%
Accident Adjustment %	0%
Parking Adjustment %	0%
	Total (Max 20%) <u>5%</u>
52.13 MPH x 5%	= 2.61
Adjusted Prevailing Speed:	<u>49.52</u>

IV. EXISTING SPEED LIMITS

Zone Being Studied MPH	55 MPH
Violation Rate	7 %
Adjacent Zones N or W	45 MPH
Length 0.5 Miles	
S or E	55 MPH
Length 2.3 Miles	

VIII. REVISED SPEED LIMIT

Recommended Speed Limit:	<u>50 MPH</u>
Anticipated Violation Rate:	<u>26 %</u>
Recommended By:	<u>N. Schwartz</u>
Organization	<u>DeKalb County Highway Dept</u>
Date	<u>1/25/2023</u>
Approved By:	<u>N. Schwartz</u>
Date:	<u>1/25/2023</u>

D-2 4-B 4-C 5-A 5-B 5-C 6-A

D-3

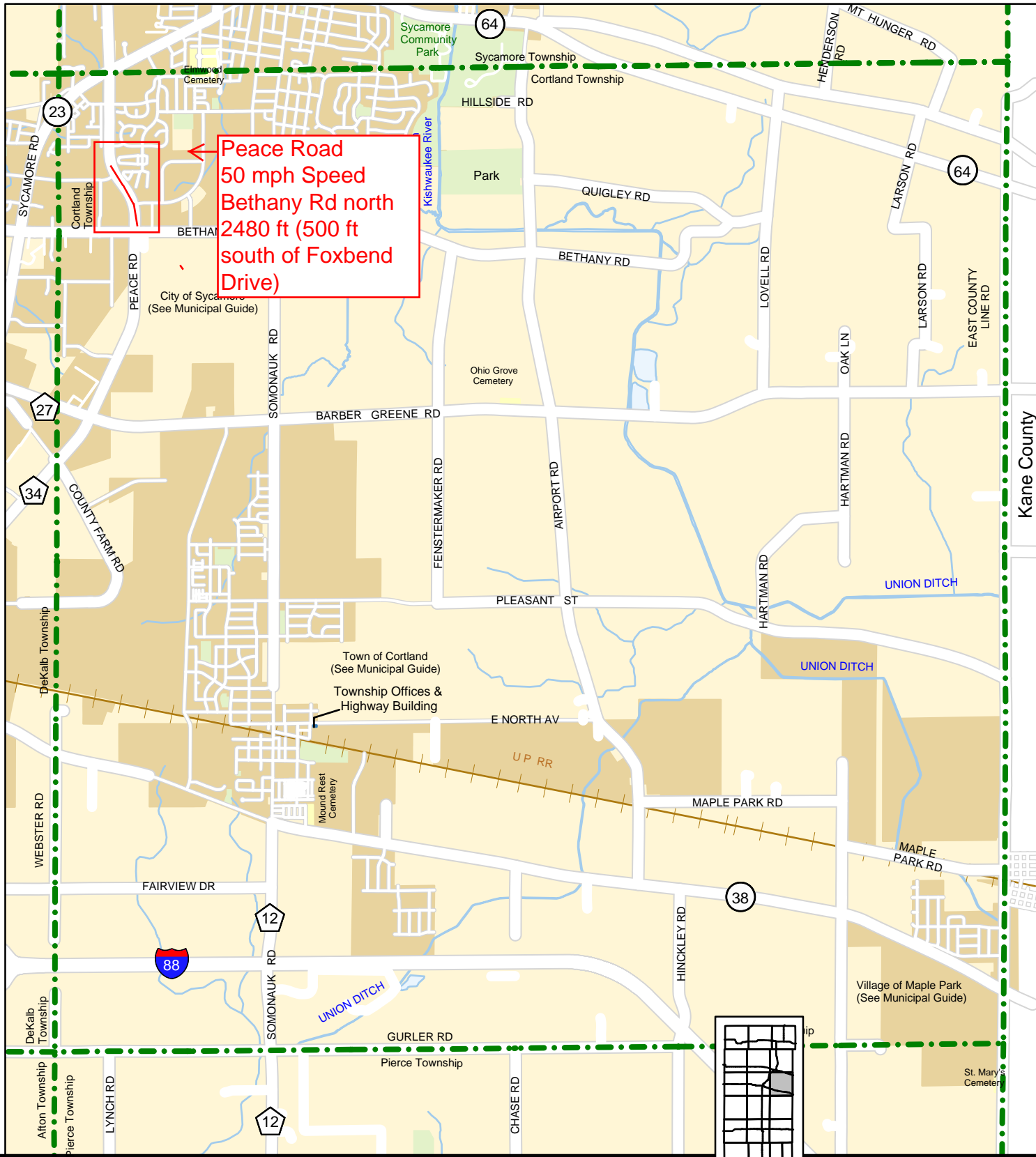
E-1

E-2

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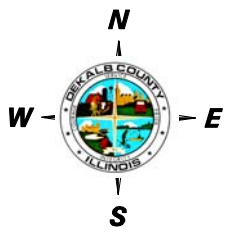
F-1

F-2



Peace Road
 50 mph Speed
 Bethany Rd north
 2480 ft (500 ft
 south of Foxbend
 Drive)

Kane County

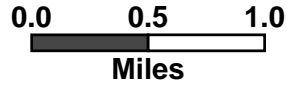


DeKalb County Government
 Information Management Office
 110 E Sycamore Street
 Sycamore, IL 60178
 815-895-1643

view at www.dekalbcounty.org

Cortland Township

Pop. 10,968



Population data is from the
 2010 U.S. Census.

Updated: November 2012 BH
 Printed: November 2012