

Table 4-9: Estimate of Existing Daily Pedestrian Activity

Variable	Figure	Calculations
Employed Adults, 16 Years and Older		
a. Study Area Population ⁽¹⁾	177,749	
b. Employed Persons ⁽²⁾	81,726	
c. Pedestrian Commute Mode Share ⁽²⁾	3.8%	
d. Pedestrian Commuters	3,106	(b*c)
e. Work-at-Home Percentage ⁽²⁾	4.8%	
f. Work-at-Home Pedestrian Commuters ⁽³⁾	1,961	[(b*e)/2]
g. Transit Commute Mode Share ⁽²⁾	2.2%	
h. Transit Pedestrian Commuters ⁽⁴⁾	1,348	[(b*g)*0.75]
School Children		
i. Population, ages 6-14 ⁽⁵⁾	22,513	
j. Estimated School Pedestrian Commute Share ⁽⁶⁾	11%	
k. School Pedestrian Commuters	2,476	(i*j)
College Students		
l. Full-Time College Students ⁽⁷⁾	8,861	
m. Pedestrian Commute Mode Share ⁽⁸⁾	5%	
n. College Pedestrian Commuters	443	(l*m)
Work and School Commute Trips Sub-Total		
o. Daily Pedestrian Commuters Sub-Total	9,335	(d+f+h+k+n)
p. Daily Pedestrian Commute Trips Sub-Total	18,670	(o*2)
Other Utilitarian and Discretionary Trips		
q. Ratio of "Other" Trips in Relation to Commute Trips ⁽⁹⁾	2.73	ratio
r. Estimated Non-Commute Trips	50,969	(p*q)
Total Estimated Daily Pedestrian Trips	69,639	(p+r)

Notes: Census data collected from 2000 U.S. Census for Ulster County. 2000 U.S. Census, STF3, P1. 2000 U.S. Census, STF3, P30. Assumes 50% of population working at home makes at least 1 daily bicycle trip. 2000 U.S. Census, STF3, P8. Estimated share of school children who commute by bicycle, as of 2000 (source: National Safe Routes to School Surveys, 2003). Fall 2004 full-time enrollment (Westchester Comm. College); and Fall 2004 "credit" enrollment (SUNY-Ulster/Ulster Comm. College). Review of bicycle commute mode share in 7 university communities (source: National Bicycling & Walking Study, FHWA, Case Study #1, 1995). 27% of all trips are commute trips (source: National Household Transportation Survey, 2001). Table 4-9 summarizes estimated existing daily walking trips