

Table 4-8: Estimate of Existing Daily Bicycling Activity

| Variable | Figure | Calculations |
|---|---------------|---------------------|
| Employed Adults, 16 Years and Older | | |
| a. Study Area Population ⁽¹⁾ | 177,749 | |
| b. Employed Persons ⁽²⁾ | 81,726 | |
| c. Bicycle Commute Mode Share ⁽²⁾ | 0.2% | |
| d. Bicycle Commuters | 163 | (b*c) |
| e. Work-at-Home Percentage ⁽²⁾ | 4.8% | |
| f. Work-at-Home Bicycle Commuters ⁽³⁾ | 1,961 | [(b*e)/2] |
| School Children | | |
| g. Population, ages 6-14 ⁽⁴⁾ | 22,513 | |
| h. Estimated School Bicycle Commute Mode Share ⁽⁵⁾ | 2% | |
| i. School Bicycle Commuters | 450 | (g*h) |
| College Students | | |
| j. Full-Time College Students ⁽⁶⁾ | 8,861 | |
| k. Bicycle Commute Mode Share ⁽⁷⁾ | 5% | |
| l. College Bicycle Commuters | 443 | (j*k) |
| Work and School Commute Trips Sub-Total | | |
| m. Daily Bicycle Commuters Sub-Total | 3,018 | (d+f+i+l) |
| n. Daily Bicycle Commute Trips Sub-Total | 6,036 | (m*2) |
| Other Utilitarian and Discretionary Trips | | |
| o. Ratio of "Other" Trips in Relation to Commute Trips ⁽⁸⁾ | 2.73 | ratio |
| p. Estimated Non-Commute Trips | 16,479 | (n*o) |
| Total Estimated Daily Bicycle Trips | 22,516 | (n+p) |

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