TooleDesignGroup



Arlington Public Schools

McKinley Elementary School



Experience

National

- AASHTO
- FHWA

Regional

- WMATA
- Northern Virginia Regional Park Authority
- MWCOG
- National Park Service

State

- VDOT
- MDOT

Local

- ArlingtonDDOT
- FairfaxLoudoun
- Alexandria
 Falls Church
- ViennaTysons Corner



Guide for the Development of Bicycle Facilities

2012 • Fourth Edition





Safe Routes to School

- Education
- Encouragement
- Enforcement
- Engineering
- Evaluation



Safe Routes to School Experience

- National
- State
- Local
- Very local



TDG Role in McKinley ES Expansion



- Gather baseline transportation data
- Self-reported
- Transportation counts and observations
- Assess existing conditions



Baseline Transportation Data

- Self-reported
- McKinley SRTS Team
- Student, parent, staff and visitor surveys

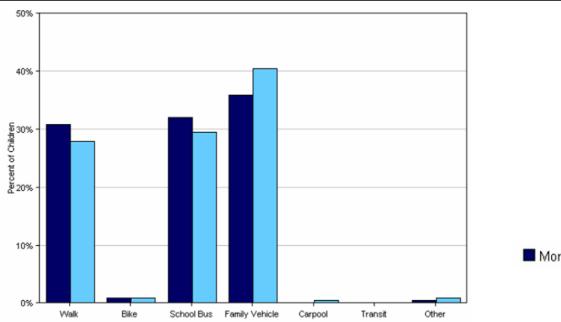
Safe Routes to School Students Arrival and Departure **Tally Sheet** CAPITAL LETTERS ONLY - BLUE OR BLACK INK ONLY Teacher's First Name: Teacher's Last Name: Monday's Date (Week count was conducted) Number of Students Enrolled in Class: Please conduct these counts on two of the following three days Tuesday, Wednesday, or Thursday. (Three days would provide better data if counted) Please do not conduct these counts on Mondays or Fridays. Before asking your students to raise their hands, please read through all possible answer choices so they will know their choices. Each Student may only answer once. Ask your students as a group the question "How did you arrive at school today?" . Then, reread each answer choice and record the number of students that raised their hands for each. Place just one character or number in each box. Follow the same procedure for the question "How do you plan to leave for home after school?" . You can conduct the counts once per day but during the count please ask students both the school arrival and departure questions. Please conduct this count regardless of weather conditions (i.e., ask these questions on rainy days, too). Fill in the weather conditions and AM - "How did you arrive at school today?" Record the number of hands for each answer. number of students in each class PM - "How do you plan to leave for home after school?" Record the number of hands for each answer. Student Weather Walk Bike School Bus Carpool Transit Other Tally Vehicle Key Riding with Number in Only with R= rainy Skate-board, City bus, class when Children from children from O=overcas subway, etc. scooter, etc. count made your family other families SN=snow s N Sample AM Sample PM Tues. AM Tues. PM Wed. AM Wed. PM Thurs, AM Thurs. PM Please list any disruptions to these counts or any unusual travel conditions to/from the school on the days of the tally. +

+ Dear Parent or Caregiver, Your child's school wants to learn your thoughts about children walking and biking to school. This survey will take about 5 - 10 minu 8. Has your child asked you for permission to walk or bike to/from school in the last year? complete. We ask that each family complete only one survey per school your children attend. If more than one child from a school bri survey home, please fill out the survey for the child with the next birthday from today's date. 9. At what grade would you allow your child to walk or bike to/from school without an adult? After you have completed this survey, send it back to the school with your child or give it to the teacher. Your responses will be kept I would not feel comfortable at any grade (Select a grade between PK,K,1,2,3...) grade (or) confidential and neither your name nor your child's name will be associated with any results. Thank you for participating in this survey! Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box + CAPITAL LETTERS ONLY - BLUE OR BLACK INK ONLY 11. Would you probably let your child walk or bike to/from 10. What of the following issues affected your decision to School Name: allow, or not allow, your child to walk or bike to/from school if this problem were changed or improved? (Select one school? (Select ALL that apply) choice per line, mark box with X) My child already walks or bikes to/from school 1. What is the grade of the child who brought home this survey? Grade (PK,K,1,2,3...) Not Sure 2. Is the child who brought home this survey male or female? Female Convenience of driving..... Not Sure 3. How many children do you have in Kindergarten through 8th grade? Not Sure 4. What is the street intersection nearest your home? (Provide the names of two intersecting streets) Child's before or after-school activities..... Not Sure and Speed of traffic along route..... Not Sure Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box. Amount of traffic along route...... Not Sure 5. How far does your child live from school? Adults to walk or bike with..... Not Sure Less than ¼ mile 1/2 mile up to 1 mile More than 2 miles Sidewalks or pathways..... Not Sure 1/4 mile up to 1/2 mile 1 mile up to 2 miles Don't know Safety of intersections and crossings..... Not Sure Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box. 6. On most days, how does your child arrive and leave for school? (Select one choice per column, mark box with X) Not Sure Arrive at school Leave from school Violence or crime..... Not Sure Walk Walk Weather or climate..... Not Sure Bike + Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box School Bus 12. In your opinion, how much does your child's school encourage or discourage walking and biking to/from school? Family vehicle (only children in your family) Family vehicle (only children in your family) Strongly Encourages Encourages Neither Discourages Strongly Discourages Carpool (Children from other families) Carpool (Children from other families) 13. How much fun is walking or biking to/from school for your child? Transit (city bus, subway, etc.) Transit (city bus, subway, etc.) Very Fun Neutral Boring Very Boring 14. How healthy is walking or biking to/from school for your child? Other (skateboard, scooter, inline skates, etc.) Other (skateboard, scooter, inline skates, etc.) Very Healthy Healthy Unhealthy Very Unhealthy Neutral + Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box 7. How long does it normally take your child to get to/from school? (Select one choice per column, mark box with X) + Place a clear 'X' inside box. If you make a mistake, fill the entire box, and then mark the correct box 15. What is the highest grade or year of school you completed? Travel time to school Travel time from school Less than 5 minutes Less than 5 minutes Grades 1 through 8 (Elementary) College 1 to 3 years (Some college or technical school) 5 - 10 minutes 5 - 10 minutes Grades 9 through 11 (Some high school) College 4 years or more (College graduate) 11 - 20 minutes 11 - 20 minutes Grade 12 or GED (High school graduate) Prefer not to answer More than 20 minutes More than 20 minutes 16. Please provide any additional comments below Don't know / Not sure Don't know / Not sure

+

Parent Survey About Walking and Biking to School





■ Morning ■ Afternoon

School Arrival

Distance	Number within Distance	Walk	Bike	School Bus	Family Vehicle	Carpool	Transit	Other
Less than 1/4 mile	34	71%	3%	3%	21%	0%	0%	3%
1/4 mile up to 1/2 mile	51	51%	0%	0%	49%	0%	0%	0%
1/2 mile up to 1 mile	46	30%	2%	26%	41%	0%	0%	0%
1 mile up to 2 miles	59	8%	0%	61%	31%	0%	0%	0%
More than 2 miles	30	0%	0%	73%	27%	0%	0%	0%

Baseline Transportation Data



Automated counts

- Video counts of vehicular, pedestrian, bicycle movements at intersections and school driveways
- Automatic Traffic Recorder (ATR) counts to collect speed and vehicular volume data

Field counts/observations

- Parking occupancy
- Driveway queue length
- Pedestrian and bicycle counts.
- Travel pattern observations

Baseline Transportation Data



- Existing infrastructure
- Identify priority walking and bicycling routes
- Evaluate conditions for pedestrians/bicyclists (gaps, barriers)
- Vehicular level of service at intersections
- Assess traffic calming and safety needs

Timeline



- SRTS Team meeting
- Week of March 11
- Observation #1 and Transportation Counts
- Week of March 18
- Observation #2, Surveys, Assess Infrastructure
- After Spring Break
- Present Findings
- Late May