

2008 SRTS
State College Borough Roundabout Project
Additional Project Information

9/17/08

1. Approximately 50% of the student body live within one mile of Easterly Parkway Elementary School. Existing roadway configurations preclude safely walking or biking beyond this one mile radius, particularly for elementary school children.
2. The school enrollment is 340. Currently 121 students (35% of the student body) walk or bike to school. An additional 30-42 students, or 46-48% of the student body are expected to walk or bike as a result of this project.
3. The 2004 AADT of Easterly Parkway was 8,391.
4. The posted speed on Easterly Parkway is 25 MPH. Speed studies show that 50% of vehicles have an average speed of 28.52 MPH; 85% have an average speed of 32.95 MPH. A reduction in speed is anticipated on Easterly Parkway as a result of the project.
5. A bicycle master plan has been adopted for State College Borough. The Plan contains specific recommendations, including the installation of the proposed roundabouts. High pedestrian, bicycle and vehicular volumes and safety, as well as emissions are a concern, and will be addressed with the construction of roundabouts.
6. At the proposed roundabout locations the safety of elementary students walking or biking to school has been identified. The proposed roundabouts address this safety concern. There are currently crossing guards at the intersections.
7. As the proposed project progresses the school will develop an educational program. First, parents will be notified of the enhanced walking / biking opportunity afforded by the project, encouraging their support and encouragement of their child. Secondly, specific activities will be undertaken within the school to promote and encourage student walking / biking.
8. The roundabouts will be designed according to AASHTO standards. The total project as identified in the Boroughs Master Plan includes the reconstruction of Easterly Parkway and the cost exceeds \$1,000,000. This includes the cost to construct the two roundabouts.
9. During the preparation of the application, the calculator feature on the PennDOT application form was quirky and would not function properly.
 - The Final Design cost is \$120,000; it appears on the application as \$120.
 - A note on the application states the calculator feature did not perform properly.
 - Based on the erroneous figure of \$120, PennDOT advised the Borough that the figure that the application generated for the total request of \$681,524 was indeed correct.
 - Also, the application generated a construction inspection cost of \$8,887; it dropped a decimal and the correct figure is \$88,879 (as was noted on the application).
 - The correct figures are as follows:

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| ○ Final Design: | \$120,000 |
| ○ Construction: | \$592,526 |
| ○ Construction Inspection: | <u>\$88,879</u> |
| ○ Total Request: | \$801,405 |