



ALBERT FEDERICO CONSULTING, LLC

Traffic Engineering and Mobility Solutions

133 Rutgers Avenue
Swarthmore, PA 19081

November 5, 2018

via email only

William Etheridge, AICP
Director of Planning & Zoning
Westtown Township
1039 Wilmington Pike
West Chester, PA 19382

Re: Westtown School Turf Field Conversion/Lighting
Traffic Engineering Review
Westtown Township, Chester County

Mr. Etheridge:

The Westtown School proposes to redevelop the athletic fields within the section of the Campus immediately east of Westtown Road, south of Oak Lane. Per the previously submitted materials this will include the addition of two multi-purpose turf fields with lighting and a new parking area. Vehicular access will be provided via the existing circulation system, primarily through the intersection of Oak Lane and Westtown Road.

The following supplemental information has been received from the Applicant:

- Westtown Road Traffic Data, collected by Traffic Planning and Design, October 10 through 16, 2018
- Athletic Practice Trip Generation Counts, prepared by Traffic Planning and Design, dated November 2, 2018
- Accident Data, prepared by Traffic Planning and Design, dated November 2, 2018

As requested, these materials have been reviewed for compliance with applicable Township Ordinances, as well as reasonable and customary standards for Traffic Engineering practice.

The following are offered for the Township's consideration:

1. The volumes for Westtown Road presented in the Traffic Data are significantly higher than the volumes presented in the previously submitted Traffic/Internal Circulation/Parking Review; however they do not appear sufficiently different to change the conclusions.
2. Based on vehicle occupancy, the results of the Trip Generation counts are generally consistent with the previously submitted Traffic Review.



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3. As previously stated, and re-confirmed based on the recently submitted materials, the use will significantly increase traffic during what are currently off-peak periods. There are no indications that this will result in or substantially add to traffic congestion in the conventional manner.
4. The collision data obtained from WEGO and provided to the applicant did not indicate any defined pattern of collisions along Westtown Road in the vicinity of the Oak Lane access. It is noted that the intersection geometry, particularly relative to the roadway curvature and sight lines, are sub-optimal and the project as a whole may benefit from improvements to the access and intersection.

Based on the preceding:

- **§170-2009.B(3)(b)** - The additional traffic estimated to generated by the use of the proposed fields as described by the applicant has the potential to exceed 250 trip-ends on specific days; however as a part-time use the average week-day trip-ends is expected to be below the threshold requiring submission of a Traffic Impact Study as part of the Conditional Use Application.
- **§170-2009.D(1)(h)** - While there are certain technical discrepancies in the submitted materials, these do not materially affect the conclusion that that the use will not result in or substantially add to a significant traffic hazard or significant traffic congestion.
- **§170-2009.C(7)** - Consideration of improvements to the Westtown Road and Oak Lane site access and intersection to address current sub-optimal geometry appears warranted.

Please do not hesitate to contact me at 610.608.4336 or albert@federico-consulting.com should you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'A. Federico'.

Albert Federico, P.E., PTOE