



Anthem Country Club Community Association
Traffic Enforcement Fact Sheet
Written by Trident Security

Trident Security has been contracted by the Anthem Country Club Community Association (ACCCA) to complete speed enforcement patrols within the community utilizing the provided tools and equipment detailed in the information below. Speed enforcement locations are selected based on the Gates, Property and Patrol Committee and staff recommendations, resident complaints, observed speeding, pedestrian/golf crossings, high traffic locations, JAMAR RADAR survey equipment reporting and random speed surveys. Trident Security also is deployed at stop sign locations within the community to ensure vehicle traffic is abiding by posted traffic control signage.

1. Manufacturer of devices utilized.
 - a. Laser Technology, Inc. LTI 20/20 TruCam with TruFlash Night use capable.
 - b. LTI 20/20 TruCam purchased April 2014.
 - c. LIDAR: a device that is similar in operation to radar but emits pulsed laser light instead of microwaves to measure speed and distance.
 - d. "The generated light energy has a wavelength of approximately 900 nanometers, with a beam divergence of 3 mill radians - equal to a beam width of roughly 0.3 m at 100 m or likewise, 3 feet at 1000 feet... Any solid object will reflect back a certain percentage of the emitted light energy. This only needs to be a small percentage for our sensitive detector to pick it up. We measure the time it takes a laser pulse to travel to the target and back with a precision, crystal-controlled time base..."
2. What was the last date the device was calibrated?
 - a. The device is function and confidence tested at the beginning and end of each shift. The device will not operate if not within factory specifications.
("CALIBRATION" is a certification of correct function and performance according to factory standards and requires a certified testing facility such as the manufacturer. In Arizona, calibration requirements for *electronic speed measuring devices (Radar/Laser/LIDAR)* are set at once every 3 years).
3. What tuning forks were used to check the calibration?
 - a. LTI 20/20 TruCam. Tuning forks are not used in LASER function verification. Five tests are performed to verify proper unit operation (manufacturer recommends before or after each use). **The unit will not allow any function or operation if it fails the self test.**
 1. Self Test
 2. HUD Integrity Test
 3. Scope Alignment Test
 4. Camera Alignment Test
 5. Fixed Distance Zero Velocity Test
4. Where did the operator receive training, by whom and what are their qualifications?
 - a. LTI 20/20 TruCam. Certified LTI TruCam Instructor, Regional Manager for the manufacturer, LTI.
5. How many hours of on-the-job training do the operators have?
 - a. LTI 20/20 TruCam. 160 + hours combined.



6. How long has the operator been using the device?
 - a. LTI 20/20 TruCam. Since July 2, 2014.
7. Has the device ever been dropped and, if so, were there notes made in the log for that unit? If dropped, how long after was it serviced?
 - a. LTI 20/20 TruCam. The unit has not been dropped while in Trident's custody.
8. How else was the alleged speed verified?
 - a. Visual estimation, video recording of the violation, and the LIDAR unit reading.
9. Logs of traffic enforcement violation occurrences are completed upon daily use of each unit and are submitted to ACCCA staff. Data also reported to Gates, Property and Patrol Committee.
10. Communication to residents regarding traffic enforcement include, but are not limited to, the following media.
 - a. E-Blasts
 - b. Website news stories.
 - c. ACCCA News.
 - d. A-frame notifications.

LIDAR output example:

