CERTIFICATION CONCERNING DESIGN AND CONSTRUCTION OF
ELECTRONIC SPEED MEASURING DEVICE (LIDAR)

I, William J. Witt, do certify under penalty of perjury under the laws of the State of Washington as follows:

I have been employed with the City of Seattle Police Department (SPD) as a police officer since December 1994. I have been a Light Detection and Ranging (LIDAR) Technician for the SPD since February 2010. My duties include supervising the maintenance, repair and certification of the laser-speed measuring devices.

The Lynnwood Police Department currently uses Kustom Pro Laser III LIDAR speed-measuring devices. Each of which is manufactured by Kustom Signals, Inc. Kustom Signals, Inc. assigns a unique serial number to each LIDAR speed-measuring device it produces, regardless of the particular model name. I am personally aware that each LIDAR speed-measuring device used by the Lynnwood Police Department bears a unique serial number. The serial numbers of the Kustom Pro Laser III LIDAR speed measuring devices (all of which use laser technology) are the only units in use by the Lynnwood Police Department. The two most recent dates on which each of the devices was tested and certified are listed in the table below.

Lynnwood Police Department LIDAR Devices and Test Dates		
Serial Number	**Recent Date Tested**	**Previous Date Tested**
PL 16001	07/22/2015	07/15/2014
PL 19813	07/15/2014	07/26/2013
PL 20424	07/22/2015	07/15/2014
PL 22949	07/22/2015	07/15/2014
PL 22979	07/15/2014	07/26/2013
PL 22980	07/22/2015	07/15/2014
PL 23632	07/22/2015	07/15/2014
PL 23815	07/26/2013	07/30/2012
PL 25871	07/22/2015	07/15/2014
PL 27342	07/22/2015	07/15/2014
PL27498	07/15/2014	07/26/2013

I have the following qualifications with respect to the above stated speed-measuring devices. I was a Missile Technician (Submarines/Advanced Electronics Field) for ten years. I received training in the operation and maintenance of advanced electronics equipment and computers and electro-mechanical support systems used in submarine strategic weapons systems. I received training as a LIDAR operator November 2006. I attended and successfully completed the certification and training program for repair, maintenance and certification of LIDAR speed-measuring devices at Kustom Signals Inc.'s manufacturing facility (Chanute, Kansas) February 2010. This training encompassed the design, construction, repair, maintenance, calibration and certification of LIDAR speed-measuring devices. At the completion of this training, I was certified as a LIDAR Technician and since that time have been the lead technician for repair, maintenance and certification of all LIDAR speed-measuring devices used by the Lynnwood Police Department. I also attended and successfully completed the RADAR and Laser Instructor course at the Institute of Police Technology and Management (Jacksonville, Florida), September, 2012.

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The Lynnwood Police Department maintains the manual for all of the above stated speed-measuring devices. I am personally familiar with that manual, and how the speed-measuring devices are designed and operated. On the listed date, testing of all the above stated speed-measuring devices was performed by me. The units were evaluated to meet or exceed existing performance standards. The Lynnwood Police Department maintains a testing and certification program. This program requires that these devices be tested annually at which time each LIDAR speed measuring device is inspected and tested to confirm that it meets existing performance standards. This program requires that each speed-measuring device be tested and calibrated against a device that is itself tested and calibrated for accuracy in accordance with the National Institute of Standards and Technology.

The program requires that each of the above stated LIDAR speed measuring device(s) be subjected to the following tests which taken together confirm that the device is operating within existing performance standards as set by the manufacturer:

1. The Crystal Output Frequency Test confirms that the crystal output frequency of the LIDAR device is within the accepted range for the output of the device. The Crystal Output Frequency Test is performed using a Tektronix Frequency Counter, Model No. CMC-251, Serial No. TW53852. The frequency counter is calibrated biennially to verify that it conforms to applicable National Institute of Standards and Technology standards.

2. The HUD Alignment test confirms the Heads Up Display is in proper alignment.

3. The Step Down test verifies the instrument shuts down at the minimum distance within tolerances set by the existing performance standards.

4. The Delta Distance check makes sure that the math coprocessor is working correctly.

5. The Fixed Distance check that verifies the instrument correctly measures a fixed distance within tolerances set by the existing performance standards.

Based upon my education, training, experience, and knowledge of the speed-measuring devices listed above, it is my opinion that each of these pieces of equipment is so designed and constructed as to accurately employ measurement techniques based on the velocity of light in such a manner that it will give accurate measurements of the speed of motor vehicles when properly checked and operated by a trained operator.

Place and Date: Seattle, Wash. July 22, 2015 Signed _____

Ref: IRLJ 6.6 William J. Witt