

Speed Validation Report

Client: Lake Forest Park, WA

Validation Dates: October 30, 2025

Locations:

- LF01- WB NE 178TH ST @ 37TH AVE NE
 - Radar Serial Number: 590-113/63553
- LF02- EB NE 178TH ST @ 37TH AVE NE
 - Radar Serial Number: 590-113/63686
- LF03- NB 35TH AVE NE @ NE 187TH ST
 - Radar Serial Number: 590-113/63561
- LF04- SB 35TH AVE NE @ NE 187TH ST
 - Radar Serial Number: 590-113/61759
- LF07- NB 40TH PL NE @ 185TH ST
 - Radar Serial Number: 590-112/61531
- LF08- SB 40TH PL NE @ 185TH ST
 - Radar Serial Number: 590-113/65887
- LF11- NB 37TH AVE NE @ BROOKSIDE ELEMENTARY SCHOOL
 - Radar Serial Number: 590-113/67886

Equipment:

Pro-Lite Plus Handheld Lidar Serial Number: LP05454

Certification Date: June 19, 2025

Technicians:

Lidar Operator: Timothy Usher

RLC Operator: Tracy Pepper

**THIS DOCUMENT IS MAINTAINED
AS A PUBLIC RECORD
IN ACCORDANCE WITH RCW 5.44.**

A speed validation test was conducted for the sites listed above. The Lidar Operator obtained true measurements of a minimum of 5 vehicles per location and detection system in the ascending and/or descending direction. Those speeds were obtained using a Kustom Pro-Lite Lidar instrument. The speed of the vehicle is captured by the Lidar Operator and then relayed via cellular to the RLC Technician. The RLC Technician is monitoring the vehicle speed at the Fixed Speed Camera system simultaneously to ensure the accuracy of the system. The speed validation tests performed on the above-listed date(s) confirmed the accuracy of the Fixed Speed Camera systems at each location.

I, Katrina Sorich, certify that the information contained in this report is true and accurate.

Signed: 

Date: November 19, 2025
Verra Mobility
Katrina Sorich, Speed Validation Technician
Speed Integrity Team

Certificate of Achievement

Speed Integrity Technician

Has successfully completed the 16 hour course for
Speed Integrity Technician

This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competency through written and practical examinations. In addition, this course certifies each participants as a Lidar operator.

Presented to:

Timothy Usher

This Day:

March 2, 2016



Matthew Giola

Police Traffic Laser/Radar Instructor



**American
Traffic Solutions™**

FDLD Certificate of Achievement V1.0

American Traffic Solutions, Inc., 7081 East Gray Road, Scottsdale, AZ 85260

Certificate # FDLD-0413-CH-01

Certificate of Achievement

Speed Integrity Technician

Has successfully completed the course for Speed Integrity Technician

This course encompasses all the necessary tasks required to perform the duties as a Speed Integrity Technician. Through this course each participant is required to display the proper competencies in Radar and Laser Technology. In addition, this course certifies each participants as a Lidar operator.

Presented to:

Tracy Pepper

This Day:

2/14/2025



Jason Lang

Police Traffic Laser/Radar Instructor

MSCO Certificate of Achievement V1.1 09/13/18

Verra Mobility, 1150 N. Alma School Road, Mesa, AZ 85201

Certificate # MSCO-0213-AKR-01



PB Electronics Inc.
248 W Peaceful Ct., Shepherdsville, KY 40165
502 543-7032 www.pbelectronics.com
Factory Authorized Calibration Center for Stalker, MPH, Kustom, and LTI

Certificate of Calibration

Manufacturer: KUSTOM

Model: ProLite

Serial Number LP05454

I hereby certify that this Speed Measuring Device has been checked for accuracy and correctness of operation under my supervision. This Speed Measuring Device is certified accurately within +/- 0.5 mph in stationary mode using equipment traceable to National Institute of Standards and technology.

The transmitter of this device has been tested and found to be within specified range for Lidar Devices as established by the Federal Communications Commission and IACP.

FCC License number PG-18-12552

Technician Signature 



Certified Tuning Forks SN: n/a

Date: June 19, 2025



SELF-ACCURACY TEST
Kustom ProLite Lidar Speed Measurement Tool

DATE: 10/30/2025

Start of shift “Self-Diagnostic test” time: 9:07 AM

Start of shift Distance check: 100' **lidar**

End of shift “Self-Diagnostic test” time: 10:21 AM

End of shift Distance check: 100'

City and State: Lake Forest, WA

Lidar Serial Number: LP05454

Certification Date: June 19, 2025

OPERATOR: Timothy Usher

I, *Timothy Usher*, certify that the Kustom ProLite Lidar speed measurement device was setup, tested, and operated in accordance with the manufacturers specifications to include its self-diagnostic check.

Further, I certified that the self-check distance was completed and accurate.

Signature: *Timothy Usher*

Date: 10/30/2025


Speed Validation Worksheet

Date	10/30/2025					
Time	9:57 AM					
Site ID	LF01					
Location (City, State)	Lake Forest Park, WA					
Address	WB NE 178TH ST @ 37TH AVE NE					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/63553					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	9.57.20	26	27	1	
N/A	1	9.57.24	26	27	1	
N/A	1	9.57.33	23	23	0	
N/A	1	9.58.03	24	25	1	
N/A	1	9.58.15	29	29	0	



Speed Validation Worksheet

Date	10/30/2025					
Time	10:00 AM					
Site ID	LF02					
Location (City, State)	Lake Forest Park, WA					
Address	EB NE 178TH ST @ 37TH AVE NE					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/63686					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	10.00.47	17	18	1	
N/A	1	10.01.44	24	25	1	
N/A	1	10.01.54	24	24	0	
N/A	1	10.01.59	20	21	1	
N/A	1	10.02.16	21	22	1	



Speed Validation Worksheet

Date	10/30/2025					
Time	9:12 AM					
Site ID	LF03					
Location (City, State)	Lake Forest Park, WA					
Address	NB 35TH AVE NE @ NE 187TH ST					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/63561					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	9.12.21	21	21	0	
N/A	1	9.12.48	15	15	0	
N/A	1	9.13.21	23	24	1	
N/A	1	9.14.29	10	11	1	
N/A	1	9.14.40	12	12	0	



Speed Validation Worksheet

Date	10/30/2025					
Time	9:17 AM					
Site ID	LF04					
Location (City, State)	Lake Forest Park, WA					
Address	SB 35TH AVE NE @ NE 187TH ST					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/61759					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	9.17.27	28	29	1	
N/A	1	9.17.38	20	19	-1	
N/A	1	9.18.31	17	18	1	
N/A	1	9.19.16	20	20	0	
N/A	1	9.19.22	23	22	-1	


Speed Validation Worksheet

Date	10/30/2025					
Time	9:40 AM					
Site ID	LF07					
Location (City, State)	Lake Forest Park, WA					
Address	NB 40TH PL NE @ 185TH ST					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-112/61531					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	9.40.06	18	19	1	
N/A	1	9.40.51	22	22	0	
N/A	1	9.41.22	20	20	0	
N/A	1	9.41.31	19	19	0	
N/A	1	9.43.07	24	23	-1	



Speed Validation Worksheet

Date	10/30/2025					
Time	9:48 AM					
Site ID	LF08					
Location (City, State)	Lake Forest Park, WA					
Address	SB 40TH PL NE @ 185TH ST					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/65887					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	9.48.49	26	26	0	
N/A	1	9.48.59	23	23	0	
N/A	1	9.49.25	22	23	1	
N/A	1	9.49.35	17	17	0	
N/A	1	9.49.38	22	21	-1	


Speed Validation Worksheet

Date	10/30/2025					
Time	10:15 AM					
Site ID	LF11					
Location (City, State)	Lake Forest Park, WA					
Address	NB 37TH AVE NE @ BROOKSIDE ELEMENTARY SCHOOL					
Posted Speed Limit	20MPH					
Trigger Speed Limit	26MPH					
Fixed Speed, Park, or School	School					
Lidar Technician	Timothy Usher					
Radar Technician	Tracy Pepper					
Lidar Serial Number	LP05454					
Radar Serial Number	590-113/67886					
Detection Type	AutoPatrol Radar					
Measure Mode Capture	Yes					
Photo Enforcement Signs Present	Yes					
Pass or Fail	Pass					
Ascending or Descending	Descending					
Hardwire Lane	City Lane	Times	Lidar Speeds	Radar Speeds	Delta	Comments
N/A	1	10.15.23	29	29	0	
N/A	1	10.15.49	17	17	0	
N/A	1	10.16.06	21	21	0	
N/A	1	10.16.19	17	18	1	
N/A	1	10.16.54	22	21	-1	