Product Evaluation

RE: Review of ClairLDR L1

PRODUCT INFORMATION	
Product Name: ClairLDR L1	Manufacturer: TraffiClair Technology Co. Ltd., Shijingshan, District Beijing, China
Website: https://www.trafficlair.com/	Supplier: Novax Industries Corporation, Delta, BC

VENDOR CLAIMS AND INFORMATION

CLAIMS
ClairLDR-L1, a single-line hybrid solid-state LiDAR, is designed to offer high scanning speed, resolution, and reliability. The ClairLDR-L1 effectively fulfills the demands of 2D modeling detection and obstacle avoidance in industrial settings. Moreover, it provides precise distance and reflectivity information, boasting a detection range of up to 150 m (@10%).

DESCRIPTION
ClairLDR-L1 serves as the primary sensor in a LiDAR Vehicle Contour Detection System, a fully automated, non-contact equipment designed for independent detection of vehicle length, width, and height. Addressing the issue of oversized vehicles, such as trucks and vans, traversing various roadways. This system swiftly transmits real-time data on vehicle dimensions, including length, width, height, and whether they exceed regulated limits, to highway bureaus, traffic bureaus, and other monitoring platforms.

POTENTIAL USAGE
ClairLDR-L1 can be used for vehicle detection on single lane or multi-lanes by placing at gantries over the highway or on the poles beside the highways

STANDARDS
Not Provided

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE
Transportation and Economic Corridors has no experience with this product.

APPLICABLE STANDARDS
Transportation and Economic Corridors does not have specification/standard for traffic sensors.

RECOMMENDATIONS
ClairLDR-L1 be listed as a Potential Product under Transportation and Economic Corridors Products List, Traffic Control devices – Traffic Detection – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE
Caveat:

TRIAL PROJECTS

Rishi Adhikari
cc   New Products Evaluation Group – Kristen Tappenden,
        Shahin Abji/Saeed Ahmad