Specialized Carriers & Rigging Association

OUR MEMBERS **LIFT & MOVE** THE WORLD

Council of Deputy Ministers – Transportation & Highway Safety 11/27/19

Ed Bernard, President
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Brantford, ON Canada

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PRECICISION SPECIALIZED INC.

S&RA

NOVA PERMITS & PILOT CARS

SC&RA MEMBERS LIFT & MOVE THE WORLD!

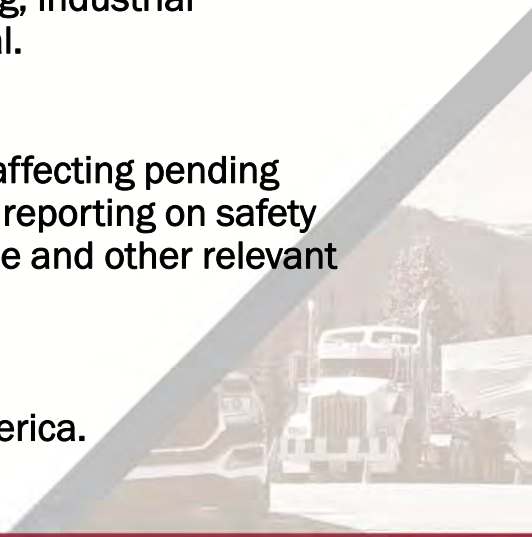
- International trade association of over 1,400 member companies from 46 nations

  Over 100 member companies based in Canada.

- Members are involved in specialized transportation, machinery moving and erecting, industrial maintenance, millwrighting, crane and rigging operations, manufacturing and rental.

- SC&RA helps members run more safe and efficient businesses by monitoring and affecting pending legislation and regulatory policies at the state and national levels; researching and reporting on safety concerns and best business practices; and providing four yearly forums where these and other relevant member issues can be advanced.

- SC&RA members move 10,000 OS/OW permitted loads daily throughout North America.



NORTH AMERICA'S PREMIER SPECIALIZED TRANSPORTATION CONFERENCE

NORTH AMERICA'S PREMIER SPECIALIZED TRANSPORTATION CONFERENCE

- 600 Attendees Including Over 75 Government Transportation Officials Representing Permitting, Engineering and Police/Law Enforcement Plus 60 Exhibitors!
- Latest Technological Advancements in Permitting, Overheight Detection Systems, Bridge Inspection & Analysis Sensors, Etc.
- Best Practices Moving Oversize Loads, Piloting, Compliance
- www.scranet.org/events

SC&RA Working For Industry

3 Transportation Committees:

- Safety, Education & Training
- Permit Policy
- Pilot Car

- Committees report to SC&RA Transportation Governing Board

SC&RA WORKING FOR INDUSTRY

Permit Policy Committee

- Automated Permitting Systems – Improves roadway safety, Better preserves infrastructure, Increases revenue to Provinces, Enhances economy

- Works collaboratively with Province, State & Federal Governments to harmonize rules for moving oversize/overweight loads in North America

SC&RA WORKING FOR INDUSTRY

Permit Policy Committee

- Joint Canada/United States Oversize/Overweight Permit Harmonization Task Force
- Consisting of Province & State Gov Officials & Industry
- 4 Conference Calls Throughout 2020
- Consider Recommendations to Report Back to Provinces, States, Council of Deputy Ministers Task Force, AASHTO, CVSA, etc.
- Seeking Volunteers

SC&RA WORKING FOR INDUSTRY

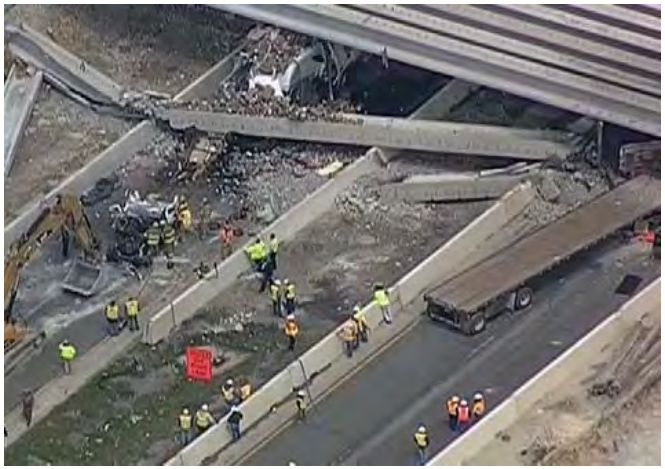
Safety, Education & Training Committee

- Hours of Service Reform – Split Sleeper Berth
- Preventing Bridge Hit Training
- Load Securement Training (Specialized Transportation)
- Driver Training (Specialized Transportation)

FATAL I-35 SALADO, TX BRIDGE HIT

FATAL I-35 SALADO, TX BRIDGE HIT

- March 2015 crash in Salado, Texas, involving a truck carrying an oversize load on Interstate 35 that struck concrete bridge beams of an overhead highway bridge. The beams collapsed and fell into the travel lanes of the interstate, resulting in one motorist fatality and three injuries.
- Allegedly running without a permit.

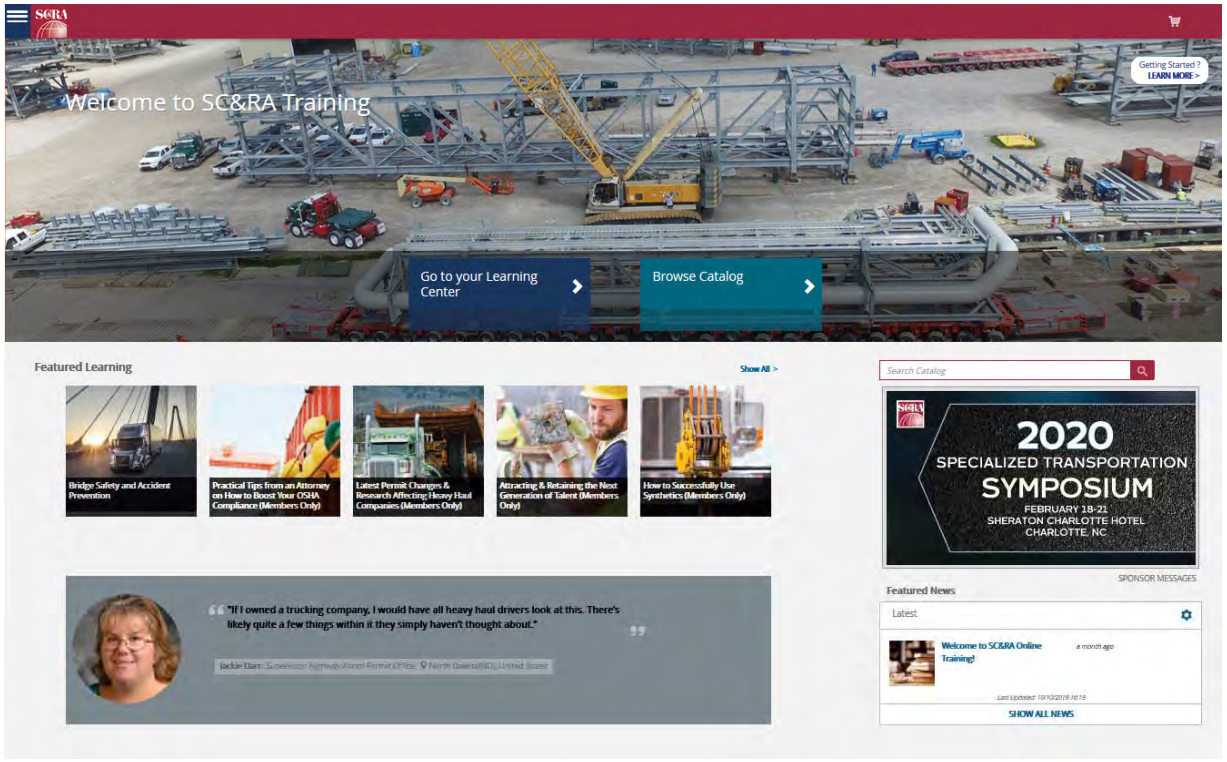


Solution: Accessible & Affordable Training

- SC&RA has developed a 60-minute online course: Bridge Safety & Accident Prevention
- Partnered with Government officials on the content
- Will be available online 24-7-365 for convenience
- Priced affordably to maximize participation from multiple employees within an organization
- Upon completion, students receive a certificate of completion.

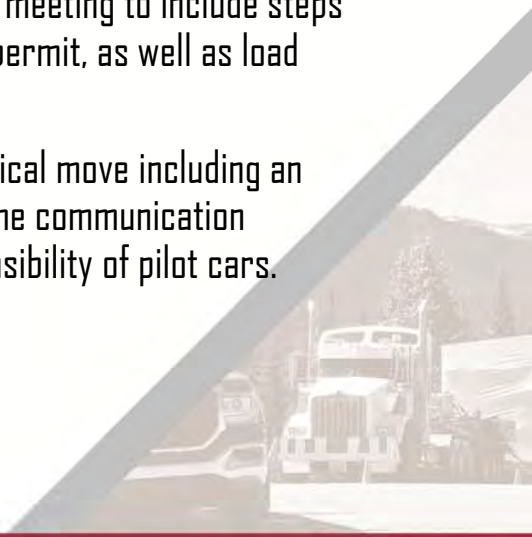
How to Access Course:

www.scranet.org/training

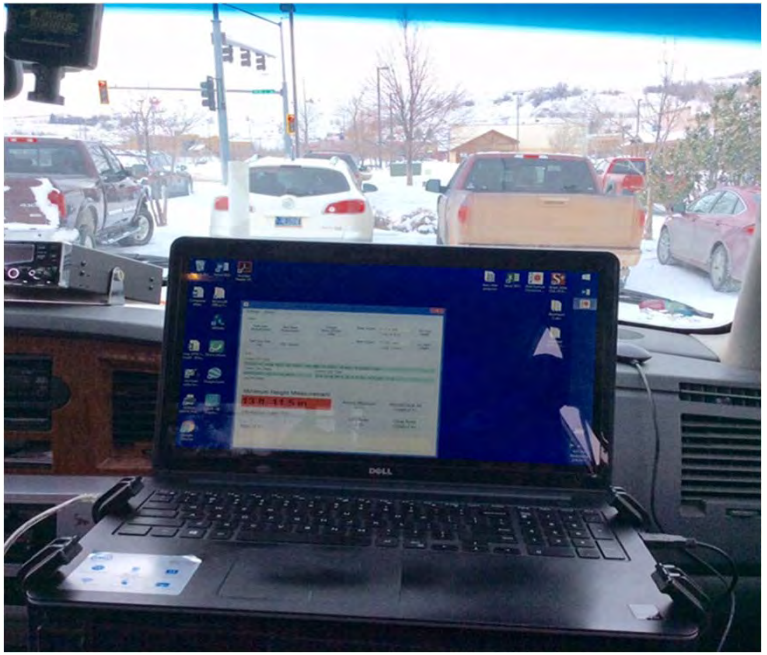


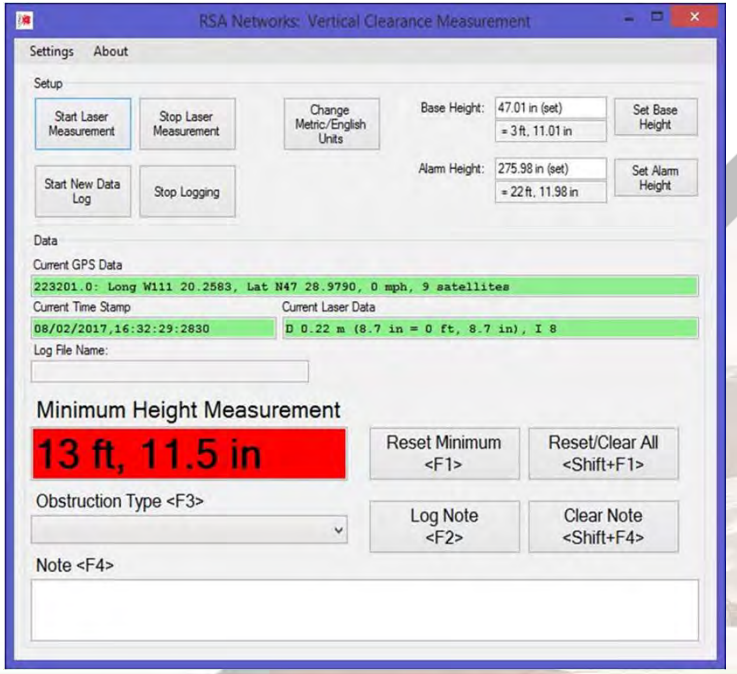
COURSE LEARNING OBJECTIVES

- Understand the scope and destruction of bridge strikes including fatalities, injuries, damage to customer's cargo, damage to vehicles on the roadway (including your own) as well as the damage that can occur to the infrastructure of the bridge. A bridge hit may also negatively impact your company's reputation, CSA scores, ability to obtain permits in the future, as well as incurring fines and being named in lawsuits.
- Explore the role of management in setting the tone and priorities for training and advocating safety and accident prevention.
- Analyze how the permitting process allows company employees including the driver to demonstrate professionalism through managing their limitations of personnel and equipment.
- Classify elements of the pre-trip meeting to include steps to take, issuance and receipt of permit, as well as load securement.
- Analyze the elements of the physical move including an understanding of maneuvering, the communication process, and the role and responsibility of pilot cars.

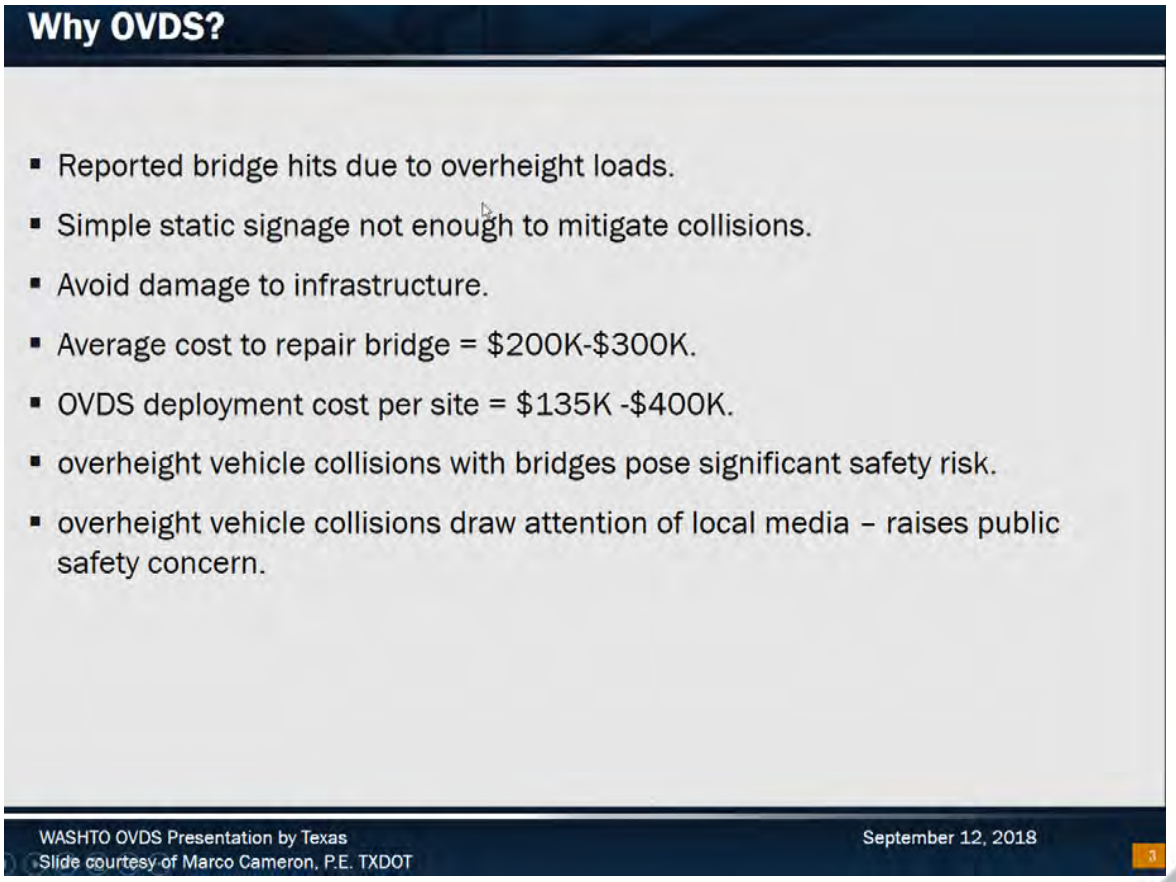


ROUTE SURVEYING TECHNOLOGY





ROADSIDE TECHNOLOGY

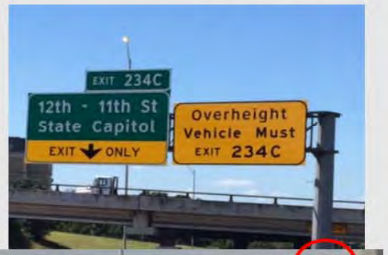


ROADSIDE TECHNOLOGY

What is OVDS?

- Detects overheight or oversized vehicles and warns drivers of low clearance hazard.

- Alerts and directs the driver via warning signs and warning bells to take corrective action.

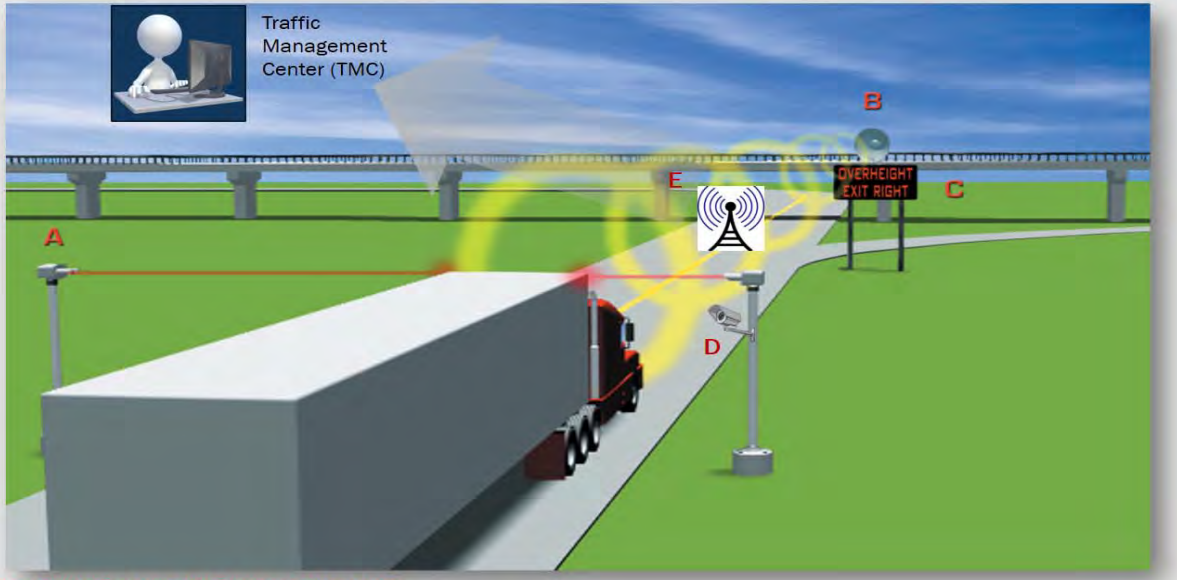


WASHTO OVDS Presentation by Texas
Slide courtesy of Marco Cameron, P.E. TXDOT

September 12, 2018

ROADSIDE TECHNOLOGY

Overheight Vehicle Detection and Warning Systems



A = Overheight vehicle is detected by OVDS
B = Alarm bell triggered upon detection
C = Warning sign activated upon detection
D = Overheight vehicle image captured upon detection
E = Communicate detection event to Traffic Management Center (TMC) staff / Event data recorded

WASHTO OVDS Presentation by Texas
Slide courtesy of Marco Cameron, P.E. TXDOT

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ROADSIDE TECHNOLOGY

Houston District - OVDS

Trigg System Installed in Houston (WB IH-10)

Detectors installed on OSB in Advance of Low Clearance Bridge

Dedicated DMS Installed Downstream Prior to Exit Ramp

WASHTO OVDS Presentation by Texas
Slide courtesy of Marco Cameron, P.E. TXDOT

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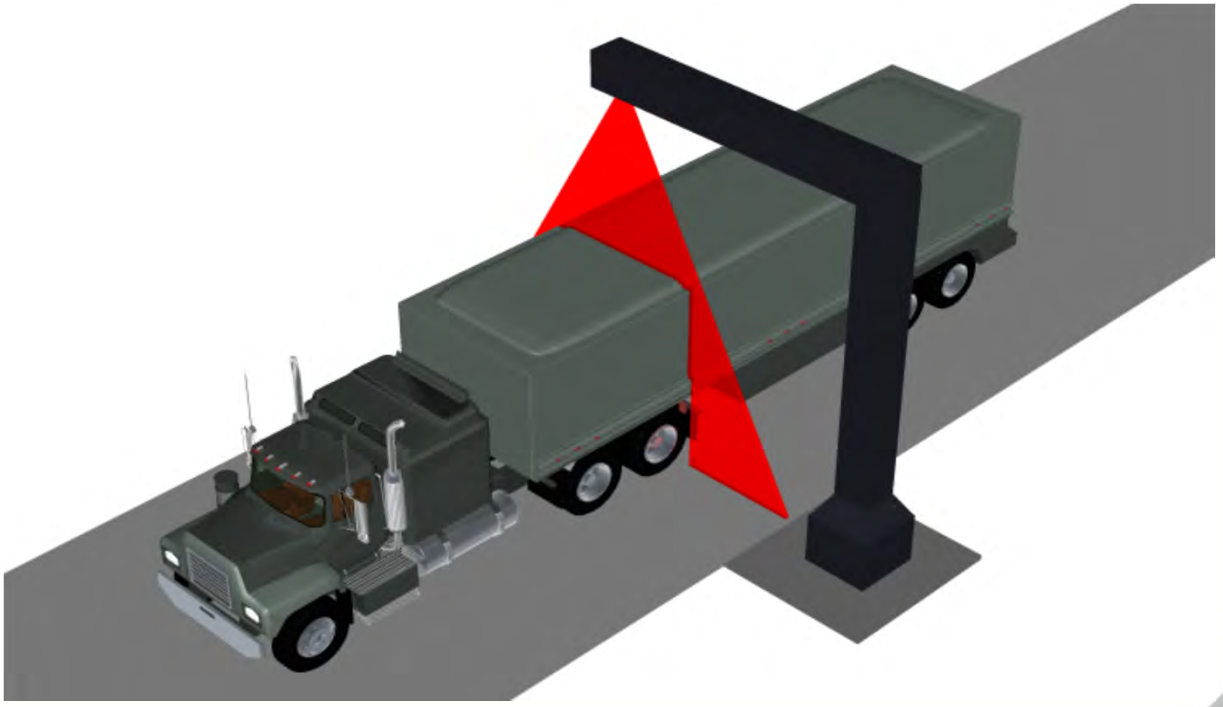
ROADSIDE TECHNOLOGY

New York State DOT –Region 11 - OVDS Locations

- Nov 2016, OVDS deployed at four (4) locations on the Hutchinson River Parkway in the Bronx and one location on the Grand Central Parkway in Queens to warn of low clearance bridges.
- Trigg Industries (Z-Pattern) sensors used for overheight vehicle detection.
- Dynamic Message Signs (DMS) used for warning.
- Axis Q1614-E network camera used to record event data and video upon detection of overheight vehicle.
- Data and video is transmitted to Traffic Management Center (TMC) over fiber, and accessed through dedicated workstation and operations software.
- Video stored by the New York State DOT for one month.
- Coordination between state DOT, local DOT, and law enforcement to get overheight vehicle safely off the roadway.

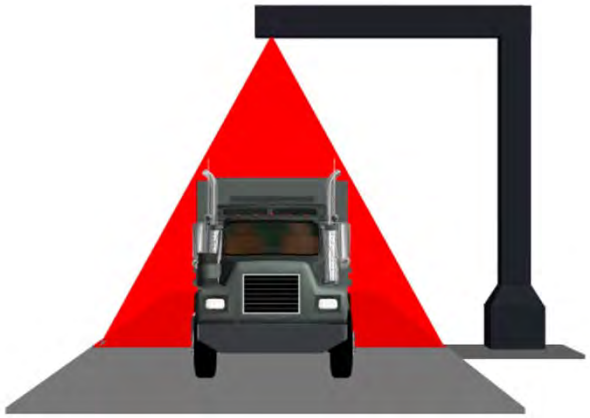
Source: New York State DOT (https://www.governor.ny.gov/news/governor-cuomo-announces-completion-48-million-overheight-vehicle-detection-system-new-york)

OVERSIZED VEHICLE SCANNING



OVERSIZED VEHICLE SCANNING

- Highly accurate, low cost, stationary, easy to use measurement system that both the public (DOTs) and private markets (carriers) can use. The system features software with a simple user interface with basic features to identify the height, width and length of any oversized load.



HIGH POLE TECHNOLOGY/TRAINING

- Evergreen Safety Council – Jeff Vaughn
- *Pilot car operators should use professional-grade high poles designed for that purpose. Professional high poles are adjustable, and they're stable and flexible enough to tolerate high speeds.*

HEIGHT POLE TECHNOLOGY/TRAINING

- *Since the height of overhead obstructions is often uneven, it's a good idea to have high pole mounts on different places across the front of the vehicle, so that the pilot can measure heights from various positions within a lane (left, center, and right).*
- *Piloting with a high pole is an advanced skill. Pilot car operators should be trained, certified, and have adequate experience before they guide a load using a high pole.*

THANK YOU!
QUESTIONS

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