NTSB
Managing Driver Fatigue
October 27th, 2020
Greyhound began its bus operation in 1914 and has continued to service the traveling public for 106 years.

- Operate a fleet of 1200 buses
- Employing more than 2000 drivers and 300 maintenance personnel
- Primarily a regular route carrier
- Servicing more than 2,600 locations in North America
- It is the only nationwide bus transportation carrier
- Providing bus service in the US, Canada and Mexico
Greyhound Lines – Managing Fatigue

• Greyhound travels in excess of 140,000,000 miles annually.

• More than 15 million passengers ride our buses each year.

• Our passengers are the key to our business.

• Safety is an important part of everything we do.

• Managing fatigue is extremely important and what happened on June 20th, 1998 caused us to look at fatigue differently than we ever had before.
Greyhound Lines – Managing Fatigue

- NATIONAL TRANSPORTATION SAFETY BOARD IN WASHINGTON, D.C. – GREYHOUND

- HIGHWAY ACCIDENT REPORT GREYHOUND MOTORCOACH RUN-OFF-THE-ROAD ACCIDENT

- BURNT CABINS, PENNSYLVANIA

- JUNE 20, 1998
The National Transportation Safety Board determined that the probable cause of this accident was the bus driver’s reduced alertness resulting from ingesting a sedating antihistamine.

His fatigued condition resulting from Greyhound Lines, Inc., scheduling irregular work-rest periods.

The major safety issues identified in this accident are the bus driver’s performance, the adequacy of carrier oversight.

So what has changed at Greyhound based on the recommendations of the NTSB.
Greyhound Lines – Managing Fatigue

- After that crash we conducted an extensive study into driver alertness and fatigue.

- We partnered with a company that specialized in the study of fatigue and fatigue management led by renowned sleep specialist Doctor Mark Rosekind.

- Sixteen drivers were selected to participate in the study that included regular and extra drivers with varying work cycles.

- The pilot program was the first of its kind by an OTRB Company.

- As a result Greyhound developed a complete fatigue management program that is still used today.
# Greyhound Lines – Managing Fatigue

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<tr>
<th>Education &amp; Training:</th>
<th>Policy &amp; Procedure:</th>
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<tr>
<td>• New drivers receive fatigue management training at the driver training school</td>
<td>• Supervisor training is provided on how to identify fatigue and substance abuse issues</td>
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<td>• Two week training school that includes 40 hours of classroom training</td>
<td>• Random checks at terminal locations are made on drivers prior to departure</td>
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<td>• All drivers receive fatigue management training at least every two years</td>
<td>• Weekly monitoring of driver behaviours for fatigue is done using DriveCam.</td>
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<td>• A driver involved in a preventable collision receives fatigue training as part of their refresher</td>
<td>• Identified drivers, with potential issues from DriveCam, are required to undergo a medical examination</td>
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<th>Workcycles:</th>
<th>Medical/Wellbeing:</th>
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<tr>
<td>• The run structure is set so that regular run drivers operate similar hours each day</td>
<td>• All drivers are screened for sleep disorders when receiving their medical examination</td>
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<td>• Runs are structured so drivers get two days off each week</td>
<td>• Strict standards are in place for screening for sleep apnoea</td>
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<td>• Extra drivers, not on regular runs, receive at least 11 hours off between run assignments</td>
<td>• Drivers identified with sleep apnoea receive time limited medical cards</td>
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<td>• Drivers who contact dispatch who are tired or fatigued are booked off for 12 hours</td>
<td>• Starting with a 30 day card while being monitored before receiving a 90 day and then a one year card.</td>
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<td>• Once booked off the driver determines when he is rested enough to work again</td>
<td>• Drivers participate in a voluntary program of Biometric Screening</td>
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• Currently 35 drivers in a sleep apnoea pilot program that provides daily and weekly monitoring of CPAP machine usage.

• Additional criteria has been established with clinics to identify potential Sleep Apnoea.

• Completed a pilot program with 'Seeing Machines’ to identify issues dealing with fatigue and distracted driving.

• Beginning a pilot program with LYTX DriveCam to identify issues of fatigue, distracted driving and lane departure using machine vision and artificial intelligence (AI).

• Driver dormitories in several major cities to ensure drivers with the opportunity to get proper rest.
Greyhound Lines – Managing Fatigue
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• We continue to look for ways to improve safety for our drivers and the traveling public.

• Working closely with the driver work force we are finding innovative ways to improve the lifestyle for them.

• Our drivers now have guaranteed days off that allow them more time at home and more time to get rested.

• The addition of electronic logging has improved our ability to monitor drivers to ensure they get adequate time off.

• Issues of fatigue must be managed through education, training and a dedication to safety.