

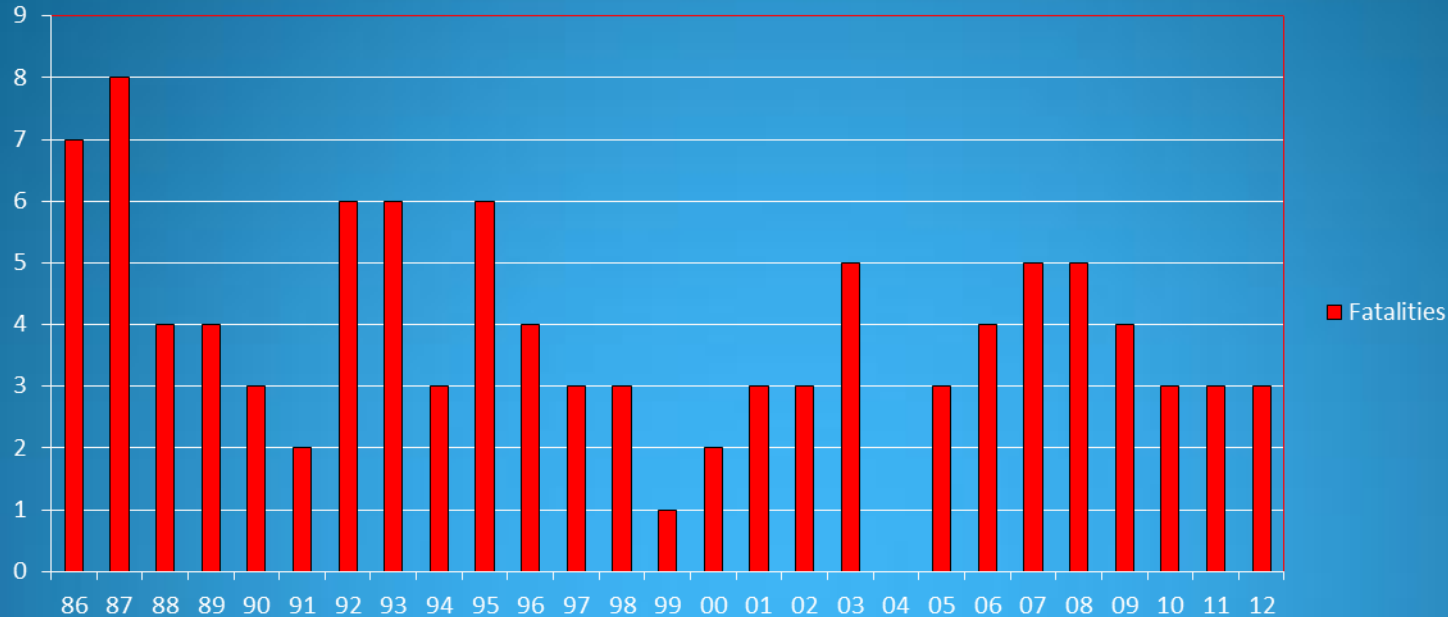
Railroad Safety

- Statistics - Fatalities
- Federal Railroad Administration (FRA) regulation 49 C.F.R. Part 214 vs. Right-of-Entry
- Insurance, your liability insurance does not cover you (special risk area)
- On-Track Worker Safety
- e-RailSafe
- Railroad Police

Safety is a Way of Life

Railroad Safety NOT an Option,
a MUST

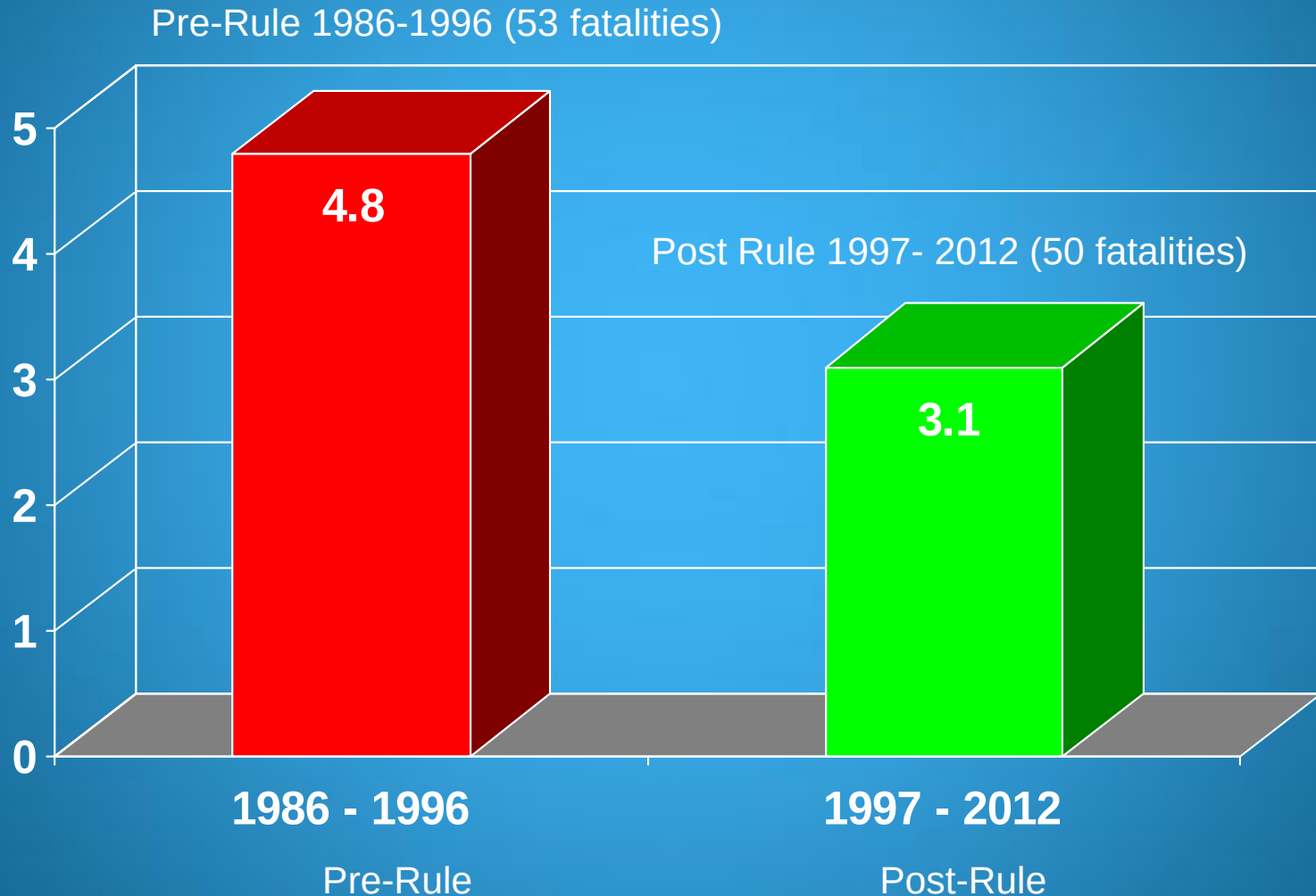
Contractors



Federal Railroad Administration
Roadway Worker Protection
1986 -1996 = 4.8 Fatalities
1997 – 2012 = 3.1 Fatalities

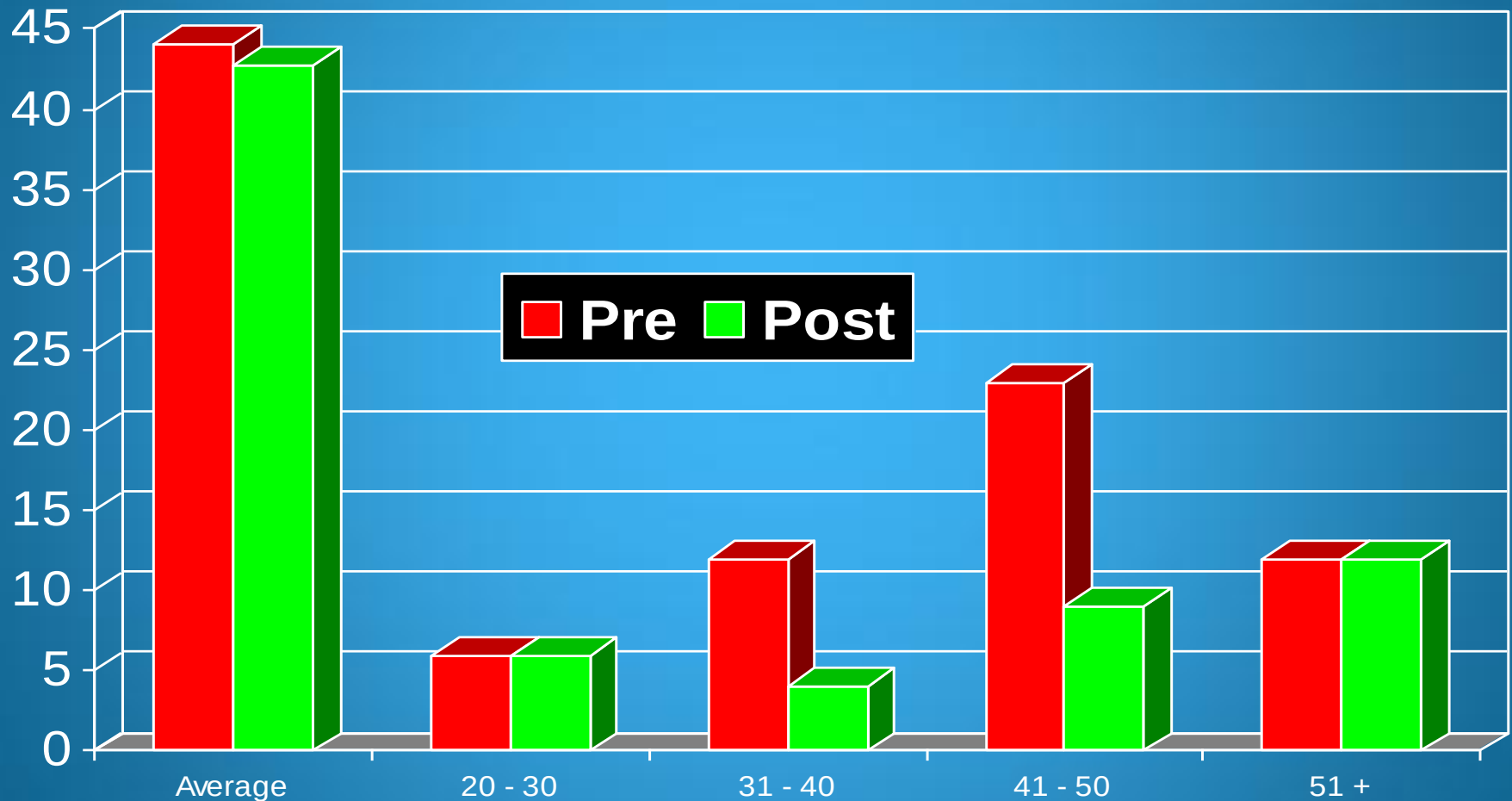
Roadway Worker Fatalities

Average Fatalities per Year



Roadway Worker Fatalities

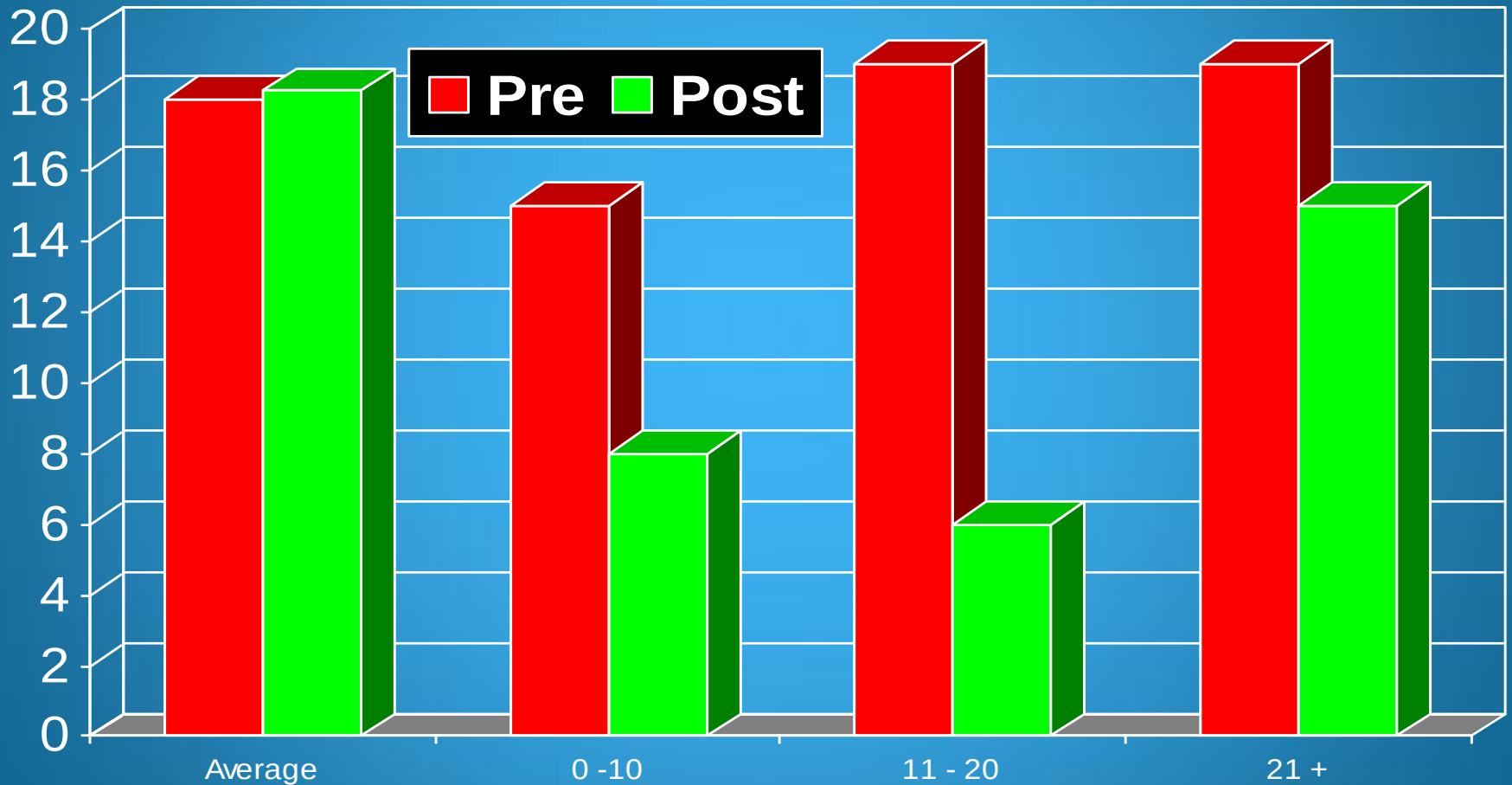
Age of Worker



Number of workers in each category

Roadway Worker Fatalities

Years of Service



Number of workers in each category

Fatalities Since 1997

- 50 RWP fatalities since implementation of regulation in 1997
- 18 between Feb. 2008 - Feb. 2012
 - Over 36% of the 50 total
- 5 is the highest number of fatalities occurring in a single calendar year (2003, 2007, 2008)

Non-Railroad Employee

- April 2008: A surveyor involved in a public survey was fatally injured when struck by a CSX freight train at a highway/rail grade crossing near the Georgia/Tennessee border. The surveyor evidently became confused as to which track the approaching train was occupying and stepped into its path.
- The survey party was not working for CSX and had not notified CSX that they would be working near the track. There was no On Track Safety provided. The surveyor did not clear the track on the approach of a train.

Right of Entry vs. Safety

- Railroad Property is PRIVATE Property
- Trespass Issues
- OSHA/FRA can fine you \$10,000+



PRIVATE PROPERTY
NO TRESPASSING.
F.E.C. R.W.Y. CO.

The image shows a concrete post with a white rectangular sign attached to it. The sign has a black border and contains the text 'PRIVATE PROPERTY', 'NO TRESPASSING.', and 'F.E.C. R.W.Y. CO.' in black capital letters. The post is situated on a gravelly area next to railroad tracks. In the background, there are more tracks, some vegetation, and a chain-link fence. The ground is covered with dry leaves and debris.

Panic Signs & Location

- Department of Transportation (DOT) Crossing Number
 - typically 6 digits and a letter, typically the number tag found on panic/crossing signs, cross-bucks, mast-mounted flashing lights/gate/bells, bridges and on signal boxes

FIELD PLUMBING
271807-F
U.S. DOT-AAA

DOT Crossing Research

- Use the following link to search railroad crossing database.
-
- Shortcut to:
- <http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/crossing.aspx>

CSX Roadway Worker Training

On-Track Safety Training

- Anyone working within 25 feet of the track
 - Lone Worker, typically track inspection
 - Watchman Lookout used for work gang and no equipment
 - Working Limits used for work gang and equipment

Where do I get the Required Safety Training?

- Some large engineering / survey companies have personnel who are qualified trainers
- Roadway Worker Trainer Inc. (904) 296-8088, Office or (904) 493-4688 Fax
- Ospry (904) 633-1543

Training is not cheap but neither is a funeral



Name: Gordon Strout

Employee #: 3787

DOH: 05/26/83

Date Issued: 07/09/07



CSX	Roadway Worker Protection
	Contractor Safety
2009 ANNUAL CERTIFICATION	
Name: <u>Stout, Gordan</u>	
Company: <u>Arcadis</u>	
Issued: <u>February 18, 2009</u>	
Facilitator: <u>Art Swint</u>	Fac. No. <u>09-1800</u>
CSX Public Safety Coordination Center 1-800-232-0144	
Non-Emergency Environmental 1-877-Tell-CSX	

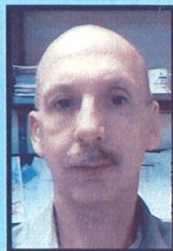
1 2 3 4 5
e-RAILSAFE System Badge

CONTRACTOR

NUMBER ISSUED EXPIRES
740985201641 02-05-2009 02-05-2011

Gordon S. Strout

PRIMARY EMPLOYER
Arcadis U.S., Inc.
Raleigh, NC
801 Corporate Center Drive Suite 300
Raleigh, NC 27607
919-854-1282



CSX
2009 ANNUAL FACILITATOR
CONTRACTORS CERTIFICATIONS

Date of Issue: February 18, 2009

Name: Gordon Strout
Company: ARCADIS
Facilitator: Art Swint
Facilitator No.: 09-1800

CSX Public Safety Coordination Center 1-800-232-0144
Non-Emergency Environmental 1-877-Tell-CSX

[Code of Federal Regulations]
[Title 49, Volume 4]
[Revised as of October 1, 2008]

TITLE 49 -- TRANSPORTATION
CHAPTER II -- FEDERAL RAILROAD
ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

PART 214 RAILROAD WORKPLACE SAFETY

Subpart A - General

Sec. 214.1 Purpose and scope.

(a) The purpose of this part is to prevent accidents and casualties to employees involved in certain railroad inspection, maintenance and construction activities.

Sec. 214.3 Application.

This part applies to railroads that operate rolling equipment on track that is part of the general railroad system of transportation.

Subpart C - Roadway Worker Protection

Sec. 214.303

Railroad on-track safety programs, generally.

(a) Each railroad to which this part applies shall adopt and implement a program that will afford on-track safety to all roadway workers whose duties are performed on that railroad. Each such program shall provide for the levels of protection specified in this subpart.

(b) Each on-track safety program adopted to comply with this part shall include procedures to be used by each railroad for monitoring effectiveness of and compliance with the program.

A silver-colored metal spiral binding is visible along the left edge of the yellow cover.

**CSX
Contractors
Handbook**

2009

GS-3. Job Briefing

A. When to Conduct a Job Briefing

- **Before beginning a work activity.**
- **When work activity or work conditions change.**
- **When another person joins the crew.**

B. Conducting a Job Briefing

- **Discuss the sequence of job steps.**
- **Identify, eliminate, contain or communicate all potential hazards.**
- **Inspect tools and equipment before use.**
- **Identify proper PPE for the job task.**
- **Ensure understanding of the planned events.**
- **Follow up to ensure compliance.**

GS-6. Personal Protective Equipment, Clothing and Jewelry

B. Clothing

Do not wear loose-fitting clothing that could become entangled in equipment or could be a tripping hazard.

1. Shirts – wear a shirt that:

- provides protection from sun, insects, abrasions and / or scratches**
- minimum one-quarter length sleeves**
- covers the chest, abdomen and back**

2. Trousers

When working outside an office environment, wear trousers that cover your entire lower body and legs. Shorts are prohibited when on-duty.

C. Wearing Jewelry – do not wear:

- Finger rings outside an office environment.**
- Jewelry that could become entangled in equipment.**
- Mouth and tongue jewelry.**

Section 6

When working on or about tracks:

- **Be alert for the movement of cars, locomotives, or equipment at any time, in either direction, on any track.**
- **Do not mount or cross over moving cars / equipment.**
- **Look in the direction of, and observe passing trains.**
- **Look in both directions before fouling / crossing tracks.**
- **Do not cross within 25 feet of standing car(s).**

Section 6, cont'd.

Note – Proper Protection:

Always verify with the proper CSXT authority (e.g. – local Roadmaster, Trainmaster or their representative) whether or not a CSXT Flagman is necessary, prior to starting any work on or about (within 25 feet of) tracks!

Section 7 Operating Rules

Roadway Worker Protection

1. Working Limits

- keeps trains away from people

2. Train Approach Warning (watchman – lookout)

- keeps people away from trains

OSHA or FRA?

OCCUPATIONAL SAFETY AND HEALTH ACT

In addition to the federal railroad safety laws and regulations, railroad workers are covered under the various occupational safety and health laws. The OSHA law covers railroad workers where another federal agency has not exercised authority over the particular working condition involved. Therefore, it is necessary to determine whether the FRA issued a rule or regulation over a specific working condition. If not, the OSHA laws are applicable.

From: United Transportation Union
<http://www.utu.org/>

e-RAILSAFE

- Class 1 Railroads
- Background Investigation
- Currently under Contract for Work
- Biennial Renewal
- <http://www.erailsafe.com/>

Railroad Police

- Carry Badges, Guns, Handcuffs, etc.
- Federal Authority to Arrest

Track Speed

110 mph equates to $\frac{1}{4}$ mile in 8.2
seconds or **161 FEET PER
SECOND!!!!!!!**