



National Emergency Number Association
EMERGENCY HELP. Anytime, anywhere, any device



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Disaster Planning Related to Railroads





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What Will be Covered?

- Overview of the Federal Railroad Administration
- When to Call
- What to Ask





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The Problem



- What number do you call to contact the railroad?
- How do you tell them the location of the incident?
- Is the railroad going to be able to identify the location using their system and maps?
- What needs to be done first, dispatch local resources or notify the railroad, or both?



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Federal Railroad Administration



The FRA was established by Congress in 1966 to enforce railroad safety laws and regulations throughout the U.S. rail system and to ensure the safety of the public and railroad employees.



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Federal Railroad Administration

- Field enforcement teams consist of approximately 400 Inspectors nationwide.
- Support and analysis staff (field and HQ) consists of 350 people.
- State enforcement personnel includes approximately 150 Inspectors from 32 states.



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Federal Railroad Administration

Five Enforcement Disciplines

Operating Practices
Motive Power and Equipment
Signal
Hazmat
Track





Eight Regional Offices





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Federal Railroad Administration

Accident Investigation





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4 Year Comparison

| Year | 2006 | 2007 | 2008 | 2009 |
|---------------------|------|------|------|------|
| GX Collisions | 2937 | 2752 | 2373 | 1896 |
| GX Fatalities | 369 | 335 | 286 | 247 |
| GX Injuries | 1070 | 1048 | 913 | 705 |
| Trespass Fatalities | 511 | 470 | 458 | 430 |
| Trespass Injuries | 479 | 406 | 426 | 400 |



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Where Collisions Occur 2005 – 2007 (Public)

| Device | % Collisions | % Xings (07) |
|--------------------|--------------|--------------|
| Gates | 38.1% | 29.2% |
| Flashing Lights | 20.1% | 16.5% |
| Stop Signs | 11.0% | 8.1% |
| Crossbucks | 28.3% | 40.6% |
| Other | 2.5% | 5.6% |



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The Train





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The Locomotive



- Average weight: 450,000 lbs
- 5000 gal fuel capacity
- 3000 volts
- 2 crew members per train (Freight)
- Only have horn, bell, and brakes to avoid collisions



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The Cars





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The Cars

- Each car can weigh 100 tons or more
- Each car has individual brakes
- Train made up of loaded and unloaded cars
- Many cars carry haz-mat shipments





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The Train





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The Train



- Travel at highway speeds
- Weigh 1 million pounds or more
- Take a mile or more to stop



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The Train



- Travel at highway speeds
- Weigh 1 million pounds or more
- Take a mile or more to stop

By the time train crew can see a problem....
It is already too late to stop in time!



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The Train Crew Perspective





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The Train Crew Perspective

- Always Vigilant to emergency in front of their train
- Train Under Breaking as soon as notified of emergency or the crew discovers one
- Likely that train crew has had other incidents in their career



When To Call The Railroad?

When To Call The Railroad?

- Problem With The Train
- Problem On Or With The Tracks



When Do You Call The Railroad?

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- This is an extremely dangerous situation!
 - **For the public**
 - **For the Train Crew**

When Do You Call The Railroad?

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- This should be done prior to dispatching local resources.
- If not done prior to other dispatches, due so at the same time.
- This is an extremely dangerous situation!
 - **For the public**
 - **For the Train Crew**
- **Your actions can directly prevent a tragedy!**



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Examples of When to Stop A Train



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Examples of When to Stop A Train

Vehicle stuck on tracks

Vehicle broke down on
tracks

Truck stuck on tracks

Damage to tracks or trestles
(bridges)

Fires of any type on or near
the tracks





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Examples of When to Slow A Train





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Examples of When to Slow A Train



Grass fire near but not on the tracks

Large Building Fires

Police investigations on or near the tracks

Any other situation where personnel may be near the tracks and train crews are likely unaware.



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Should I Always Call?

Absolutely!

Increased Communication=Increased Safety
Keeps everyone informed





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Should I Always Call?



- Even if the incident turns out to be a non-event
- Re-contact and update so the railroad can return to normal operations



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What is a USDOT Number?



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What is a USDOT Number?

Assigned by the USDOT/FRA to each intersection between roads and railroads to include:

At grade crossings: Public,
Private, & Pedestrian
Overpasses
Underpasses

Numbers are should be clearly marked on
railroad signs and equipment at grade crossings



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Where is the USDOT Located?





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Where is the USDOT Located?

Posted at every public
railroad crossing
Either on crossbuck
post
Or on silver equipment
shed near crossing





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Where is the USDOT Located?



**TO REPORT STALLED
VEHICLE ON TRACKS OR
OTHER EMERGENCY
CALL 1-800-555-5555
AND REFER TO
CROSSING #123-123A
ON CHERRY STREET**





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Why is the USDOT Important?





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Why is the USDOT Important?



Report Emergency
Identify Yourself
Identify Problem
Give DOT # at nearby crossing
Railroad confirms location
information
Radio Calls go to trains



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When YOU Receive A Report/Incident

Ask Key Questions



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When YOU Receive A Report/Incident

Ask Key Questions

Is the incident on or near the tracks?

Is there a train already involved?

Any damage to railroad equipment such
as track or signals

Is your car on the tracks?

Are you still in your car?

Is there a train coming or do you hear a
horn



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When YOU Receive A Report/Incident

Ask Key Questions

GET OUT OF THE CAR

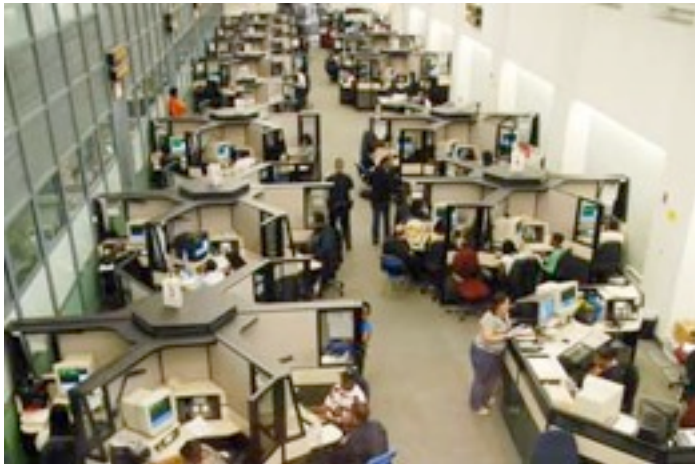




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Who Do I Call



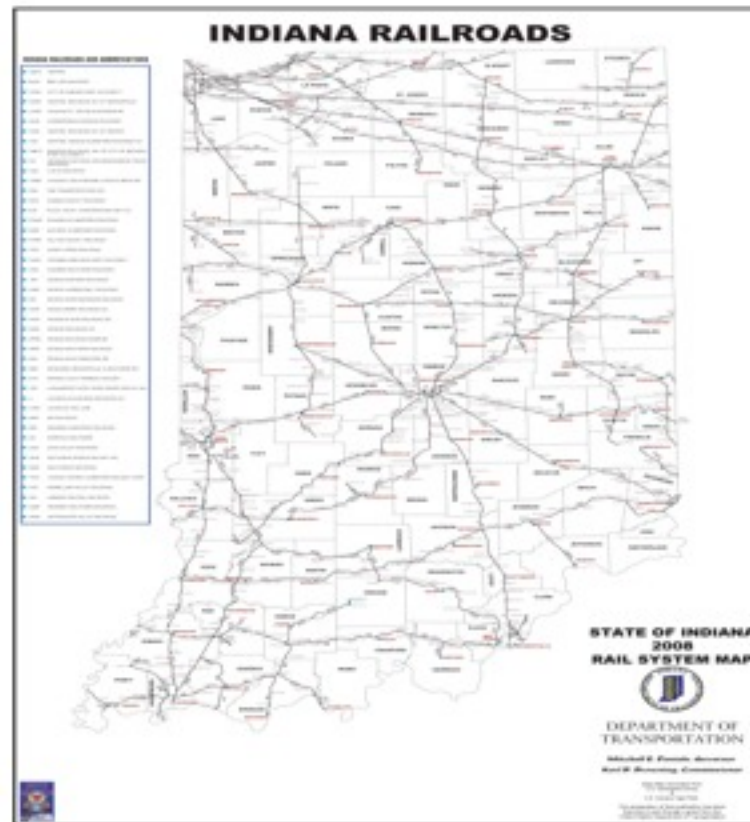
- RAILROAD THAT OWNS THE TRACKS USUALLY DISPATCHES ALL TRAIN TRAFFIC ON THEIR TRACKS.
- THEY ARE YOUR EMERGENCY CONTACT
STATE RAILROAD OWNERSHIP MAP IS REFERENCE.
- REFER TO RAILROAD EMERGENCY CONTACT NUMBERS.



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Who Do I Call





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The Railroad Dispatcher

THE RAILROAD DISPATCHER
CONTROLS THE MOVEMENT
OF TRAIN TRAFFIC CAN BE
HUNDREDS OF MILES AWAY
FROM THE SCENE.

THE INITIAL REPORT OF AN
INCIDENT WILL MOST LIKELY
COME FROM THE RAILROAD
DISPATCHER



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The Railroad Dispatcher



Train Number: Different from the actual Locomotive or Car Number

Train Direction: Will likely be Railroad Timetable Direction and may be different than Compass Direction

Location of Collision: May be considerable distance from Stopped location of Train

Location of Front (Head-End) of Train

Length of Train

Number of Crossing Blocked: Train Crew may have a Good Estimate of this



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The Railroad Dispatcher



Location of Injured Parties:

Number of Victims:

Nearest Access Road to Location of Victims:

Are Hazardous Materials Involved:

Any Additional Hazards to be Aware of:

Has other Train Traffic been Stopped or Slowed:



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When Its Over!

Ensure you communicate and update the railroad

If nothing found be sure to relay that information so the railroad can resume normal operations.

If trains were requested to slow down through an area notify when fire units or other agencies return to service so railroads can resume normal operations.



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Summary

- Early communication is best to prevent a disaster
- Don't be afraid to initiate communication and halt trains without all the information
- It is always easier to restart train movement than to halt train movement
- Anytime you suspect involvement of the railroad for any reason.....

STOP THE TRAIN!



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