



The Indiana Rail Road Company

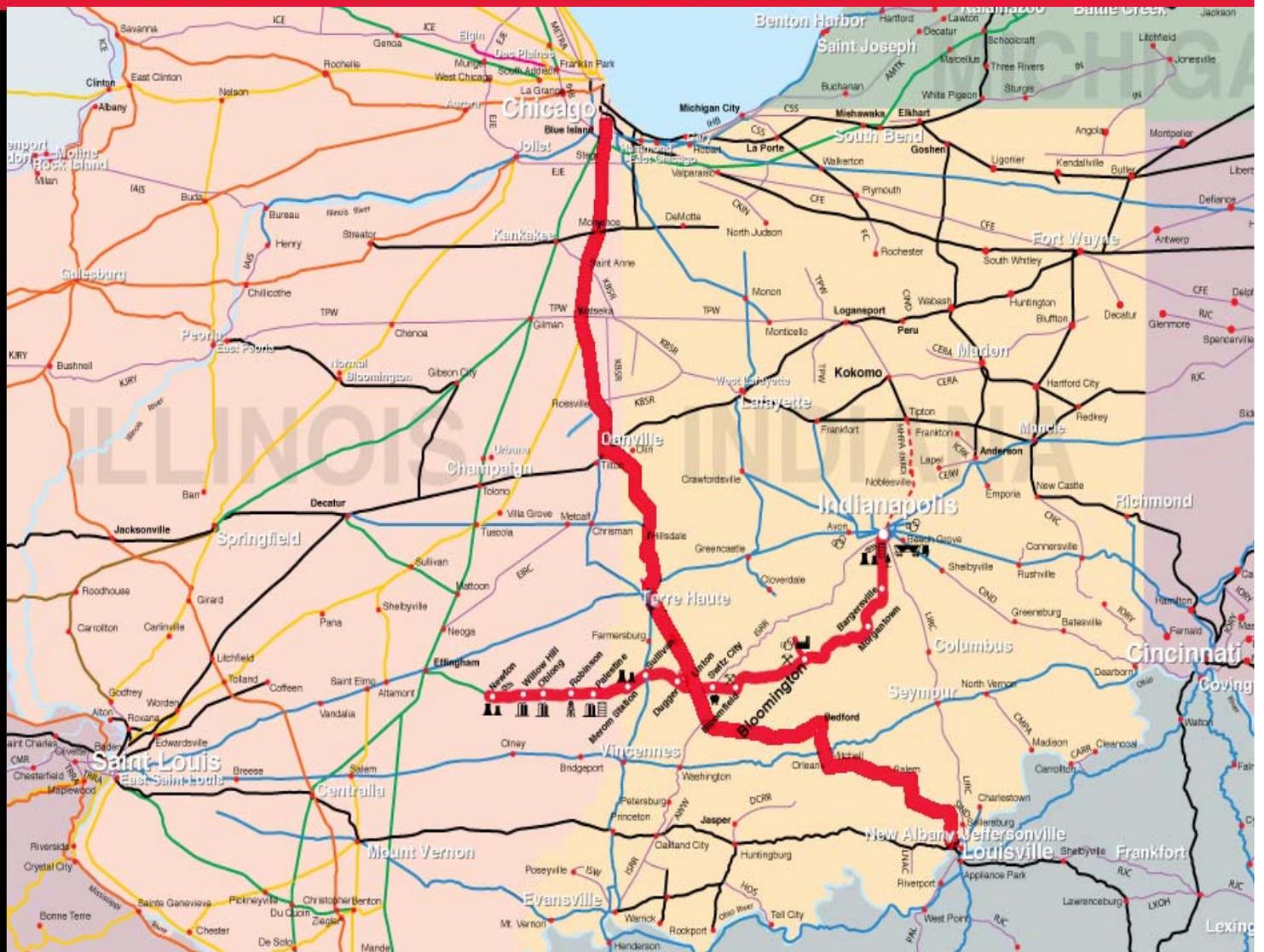
Rebuilding a Railroad
with the Help of Technology

Thomas G. Hoback
President and Chief Executive Officer



Our Route Today

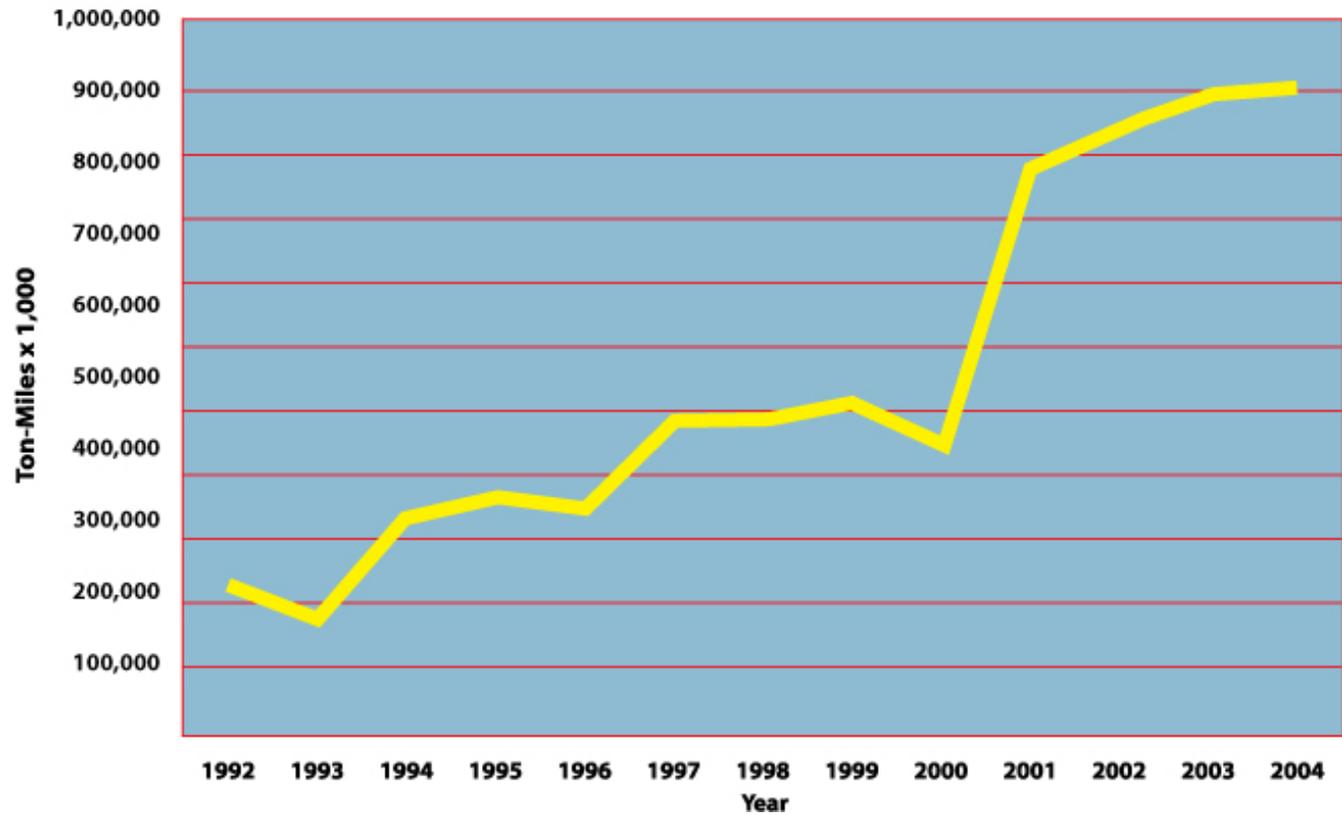
Chicago Subdivision, May 2006





Growth and Diversification Through 2004

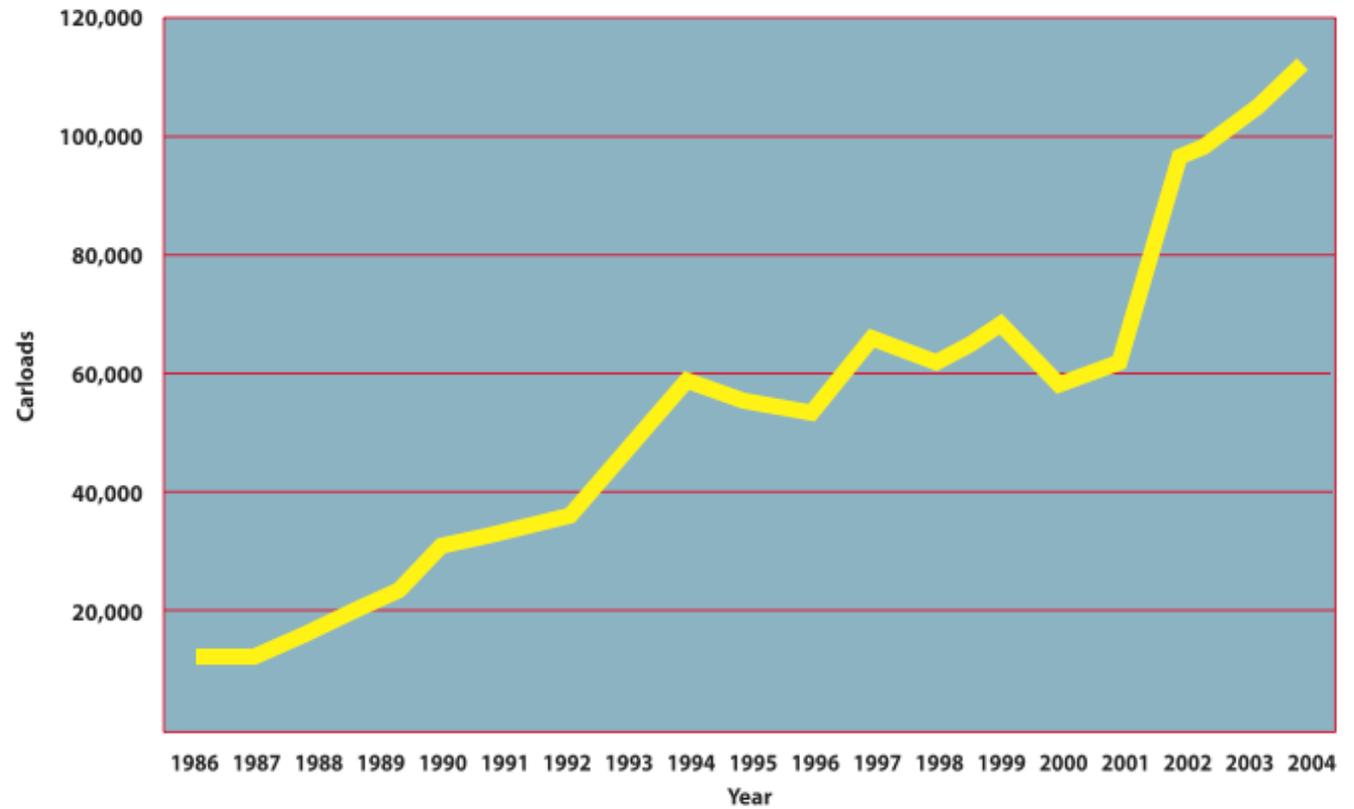
Gross Ton-Miles





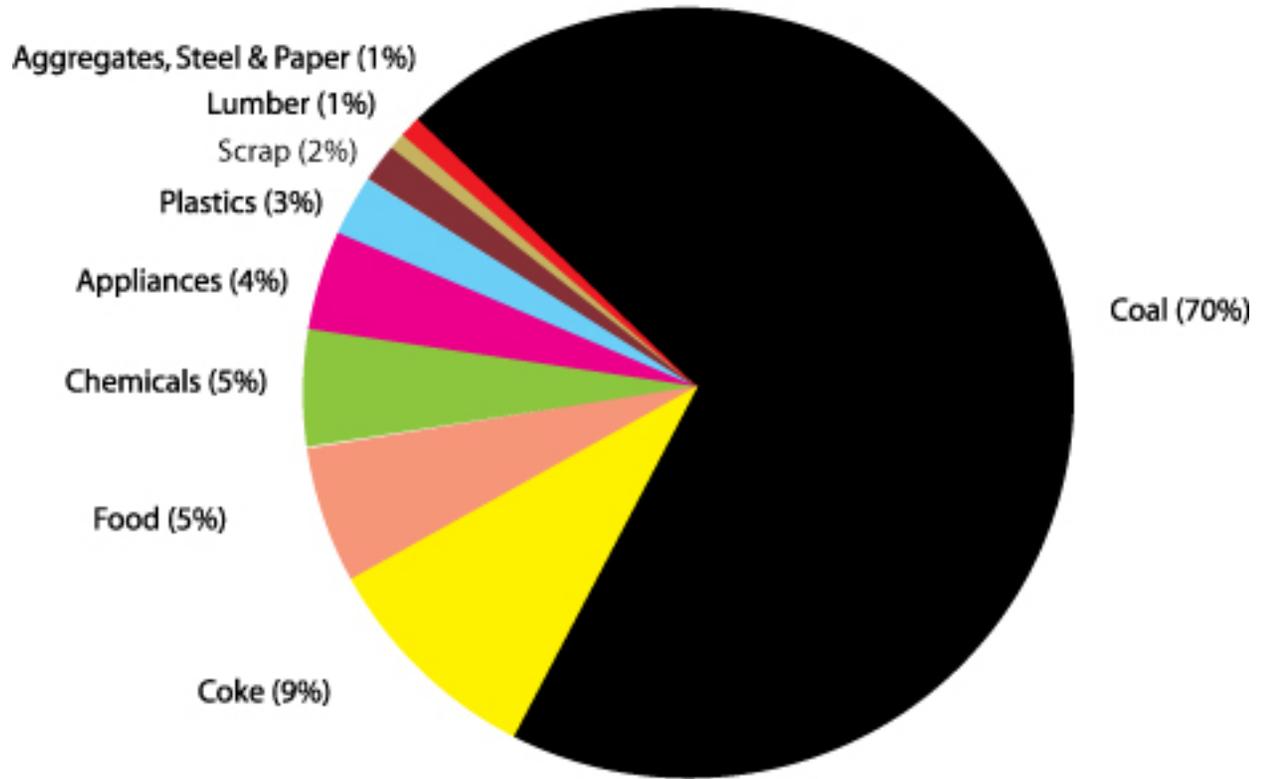
Growth and Diversification Through 2004

Revenue Carloadings





Growth and Diversification Through 2004

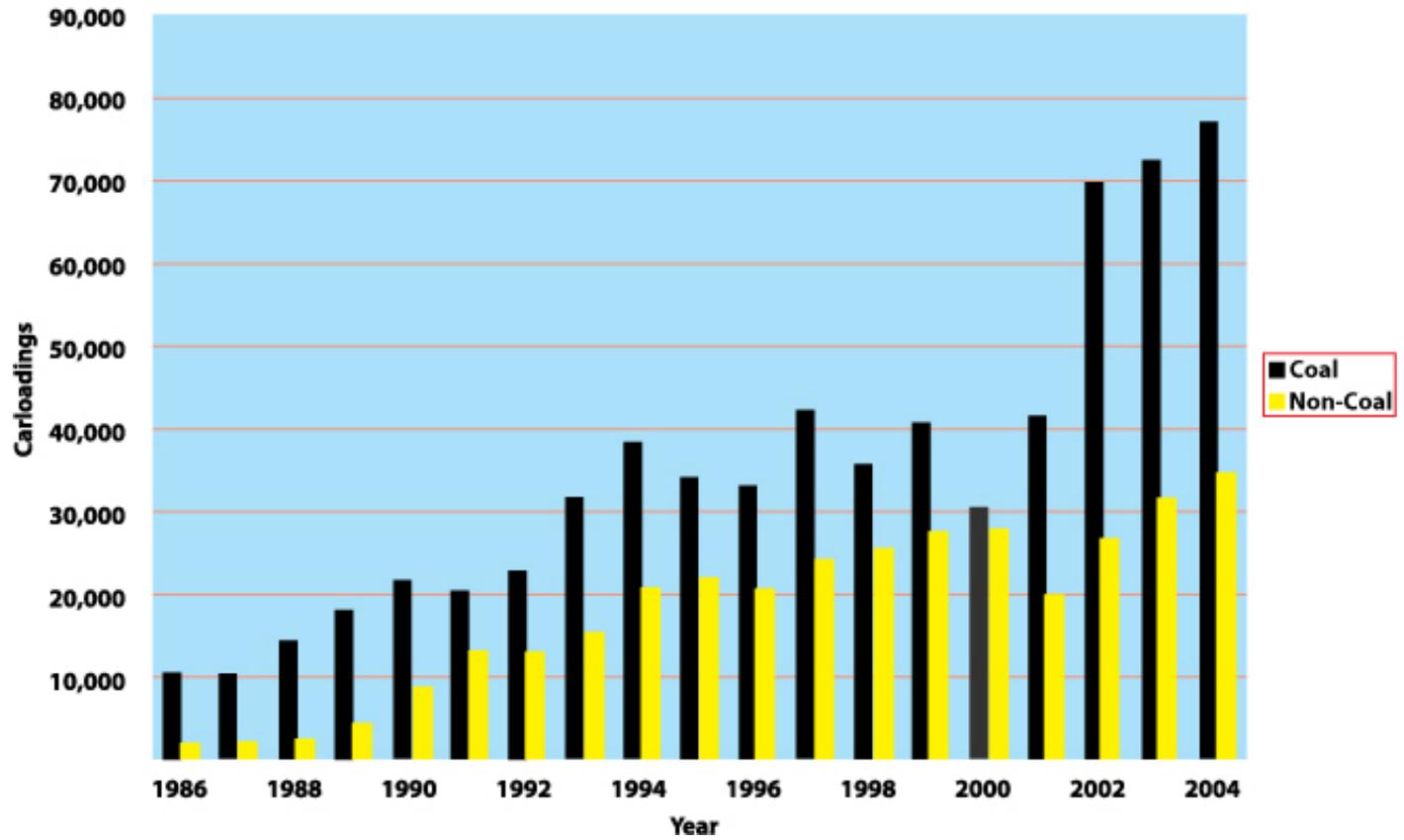


2004 Carloads by Commodity



Growth and Diversification Through 2004

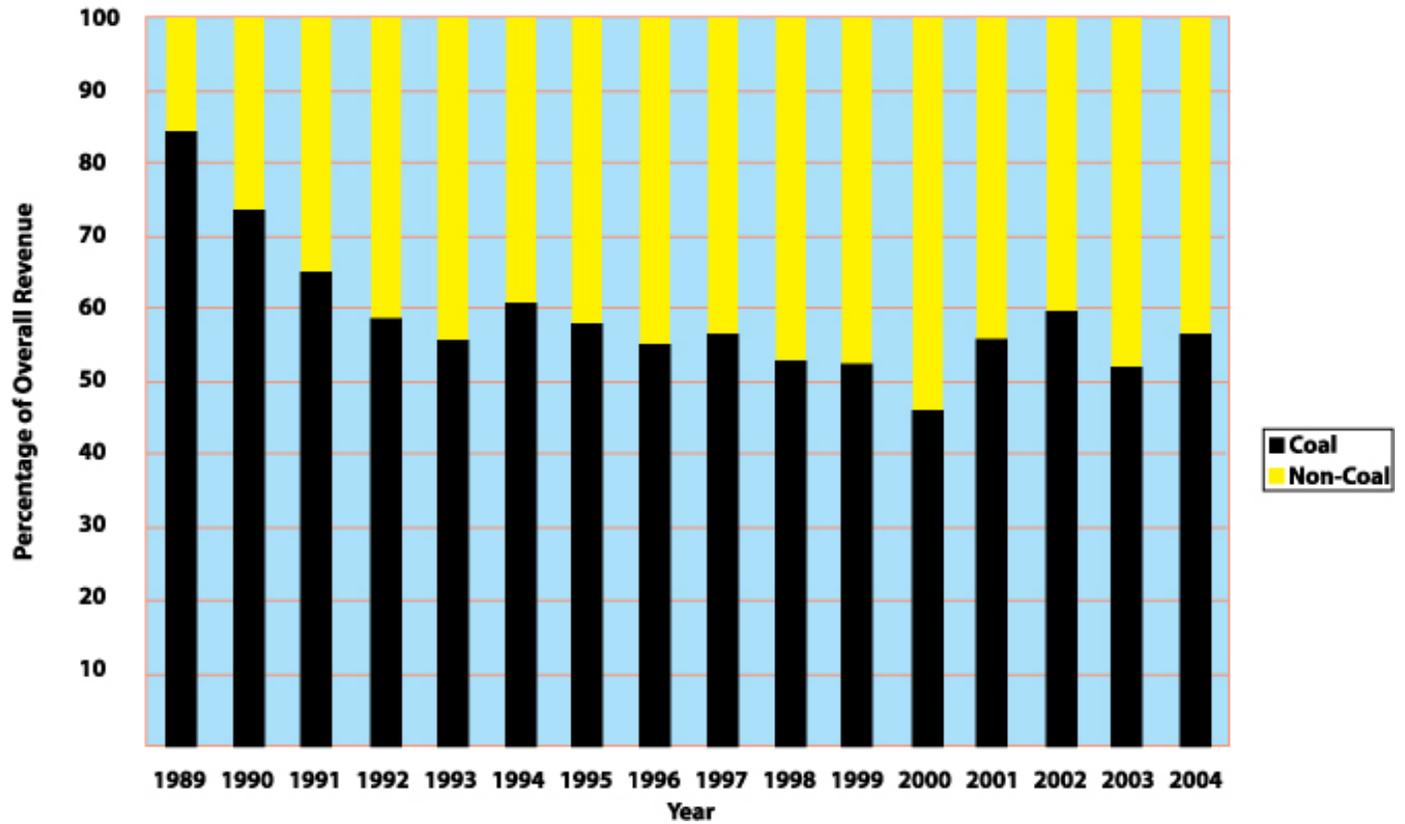
Carloadings, Coal vs. Non-Coal





Growth and Diversification Through 2004

Revenue Ratios, Coal vs. Non-coal





Growth and Diversification

Traffic:



Illinois Central:
1985 – 12,000 carloads



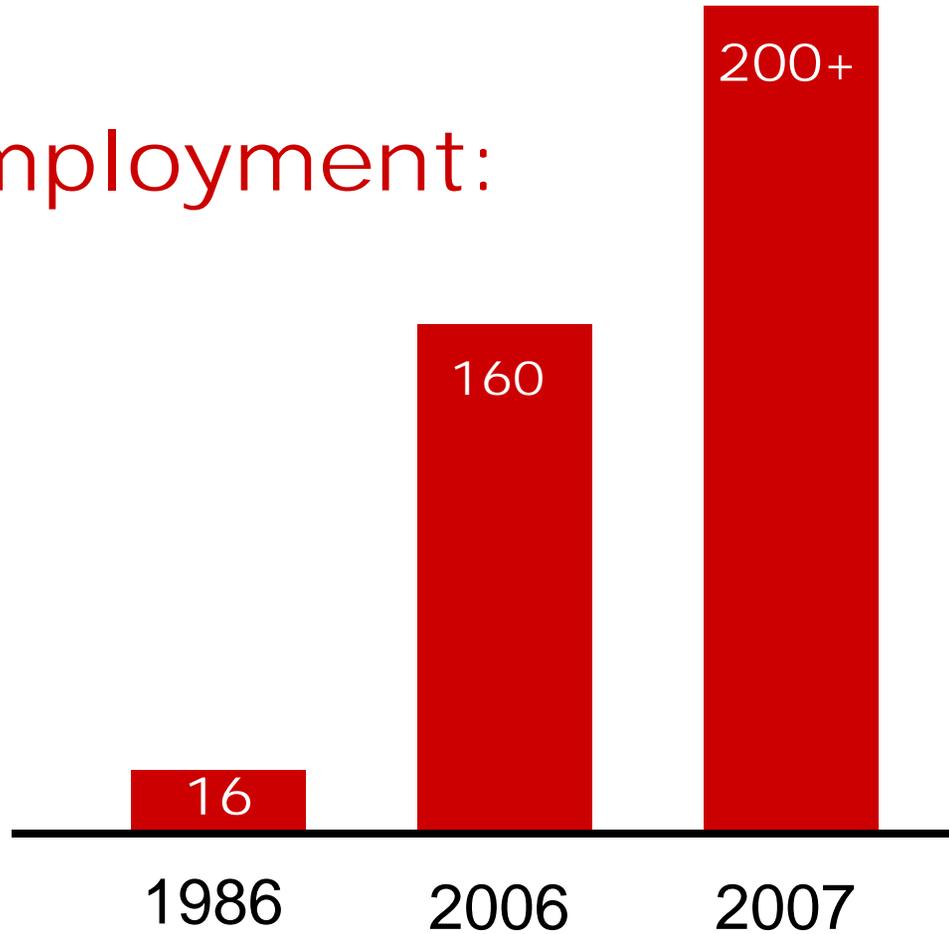
Indiana Rail Road:
**2007 – More than 165,000
carloads projected**



Growth and Diversification



Employment:





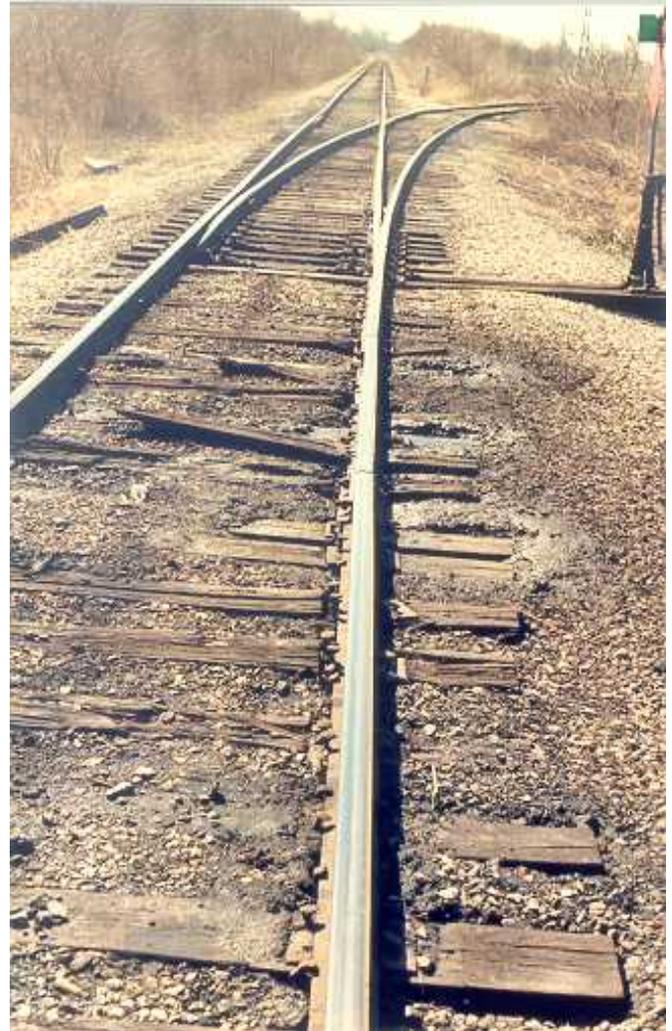
Managing Our Capacity

- Robust growth projected
- Operating a lean physical plant
- An ounce of ingenuity is worth a pound of capital
- Optimization before augmentation





Early Challenges





Early Challenges



- Substantial business risk
- Virtually every mile had to be rebuilt
- Illinois Central derailment history
- FRA Embargo



Early Challenges



- Heavy IP&L unit trains
- Limited mixed freight; most had gone to trucks long ago
- Power: 11 secondhand locomotives
- Cabooses? Not for long
- Track: 90# stick rail, rolled 80 years prior



March 1987





March 1987





March 1987





March 1987





Capital Improvements



- \$80+ million from cash flow in 20 years
- Upgraded main line; 286 compliance
- Palestine yard rebuilt from subgrade
- Dixie siding: IP&L express service
- Midland Subdivision
- Upgraded locomotive fleet



Technology Investments



- Remote control locomotives
- Computer aided dispatching system
- Voice-over data communication
- GPS train position tracking
- Mainline power switches, radio controlled
- AEI readers



Remote Control

Enhancing safety, optimizing labor





Remote Control

Enhancing safety, optimizing labor





Remote Control

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Remote Control

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Voice-Over-Data

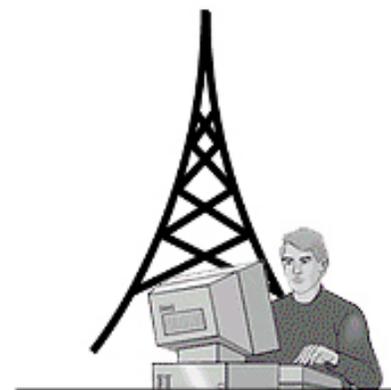
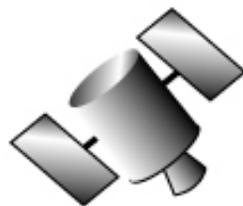
Supports one-person crew operations

- Reports key information to dispatcher:
 - Train speed
 - Train location via GPS
 - Emergency brake application
 - Alerter status
 - Monitors operator vigilance
 - Stops train if lapse detected



Voice-Over-Data

Supports one-person crew operations

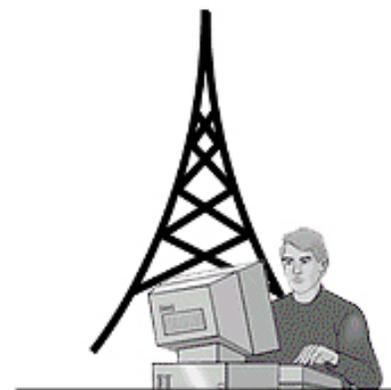


Position Reporting



Voice-Over-Data

Supports one-person crew operations



1. Locomotive's on-board microprocessor receives signals from GPS satellites.



Voice-Over-Data

Supports one-person crew operations



2. GPS signals are interpreted as geographic waypoints (i.e. mileposts) and relayed to dispatcher.



Voice-Over-Data

Supports one-person crew operations



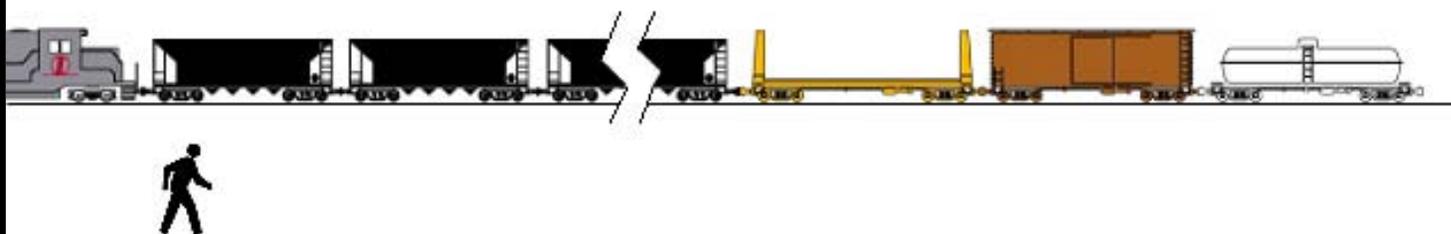
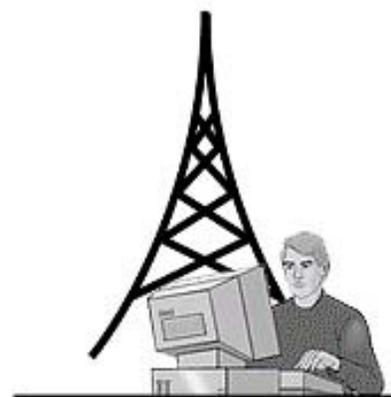
3. Dispatcher receives train position report.



Voice-Over-Data

Supports one-person crew operations

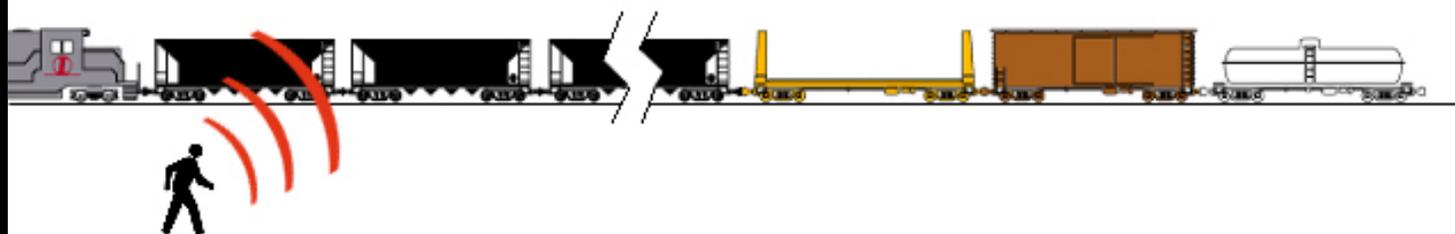
Dispatcher can monitor safety of operator while on the ground for routine situation (i.e. loss of brake pipe pressure/burst hose).





Voice-Over-Data

Supports one-person crew operations



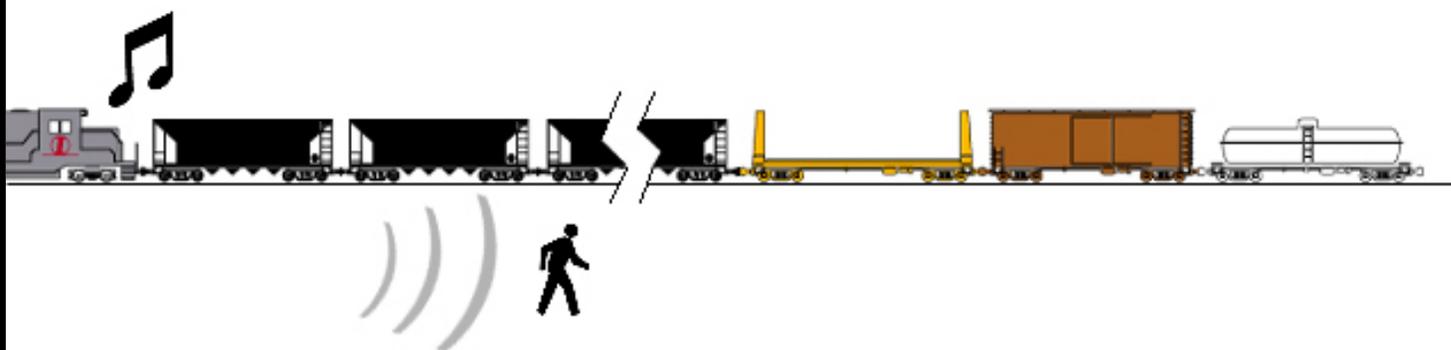
While inspecting train, operator remains in continual radio contact with dispatcher via handset.



Voice-Over-Data

Supports one-person crew operations

If radio contact lapses, dispatcher can signal operator by sounding locomotive horn.





Voice-Over-Data

Supports one-person crew operations

Dispatcher can send additional personnel to assist operator if necessary.





Power Switches

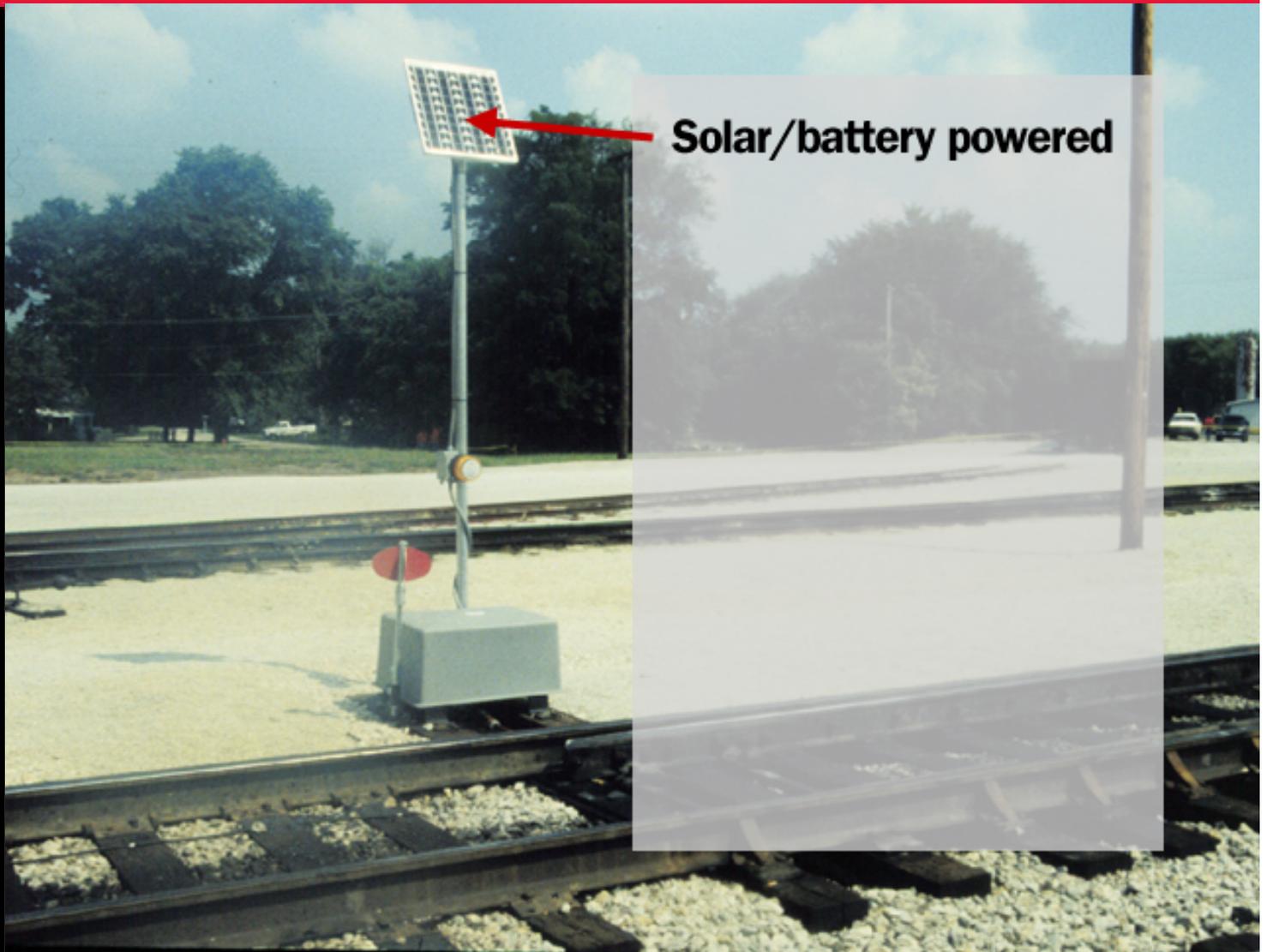
Yard applications





Power Switches

Yard applications

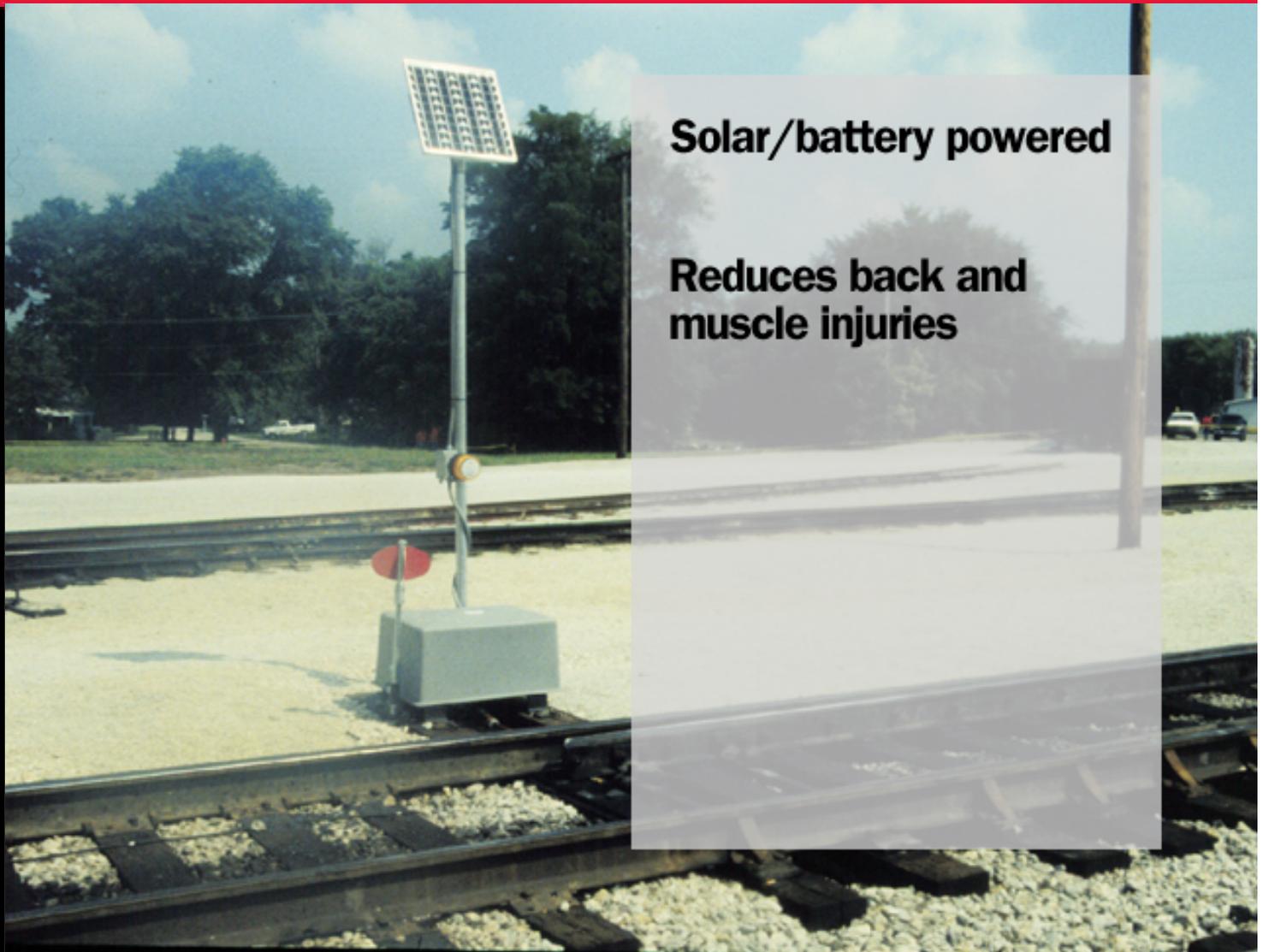


Solar/battery powered



Power Switches

Yard applications



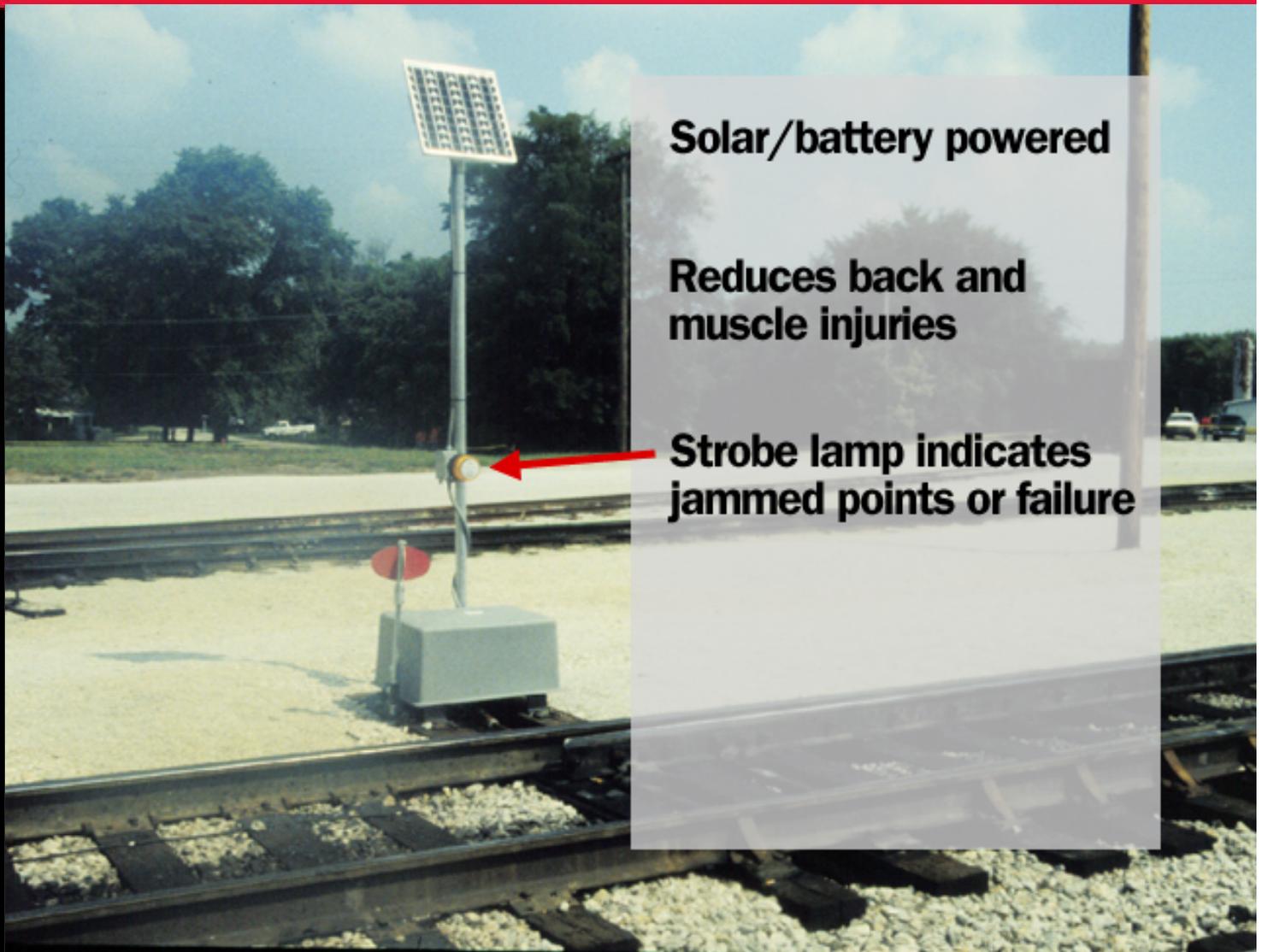
Solar/battery powered

Reduces back and muscle injuries



Power Switches

Yard applications



Solar/battery powered

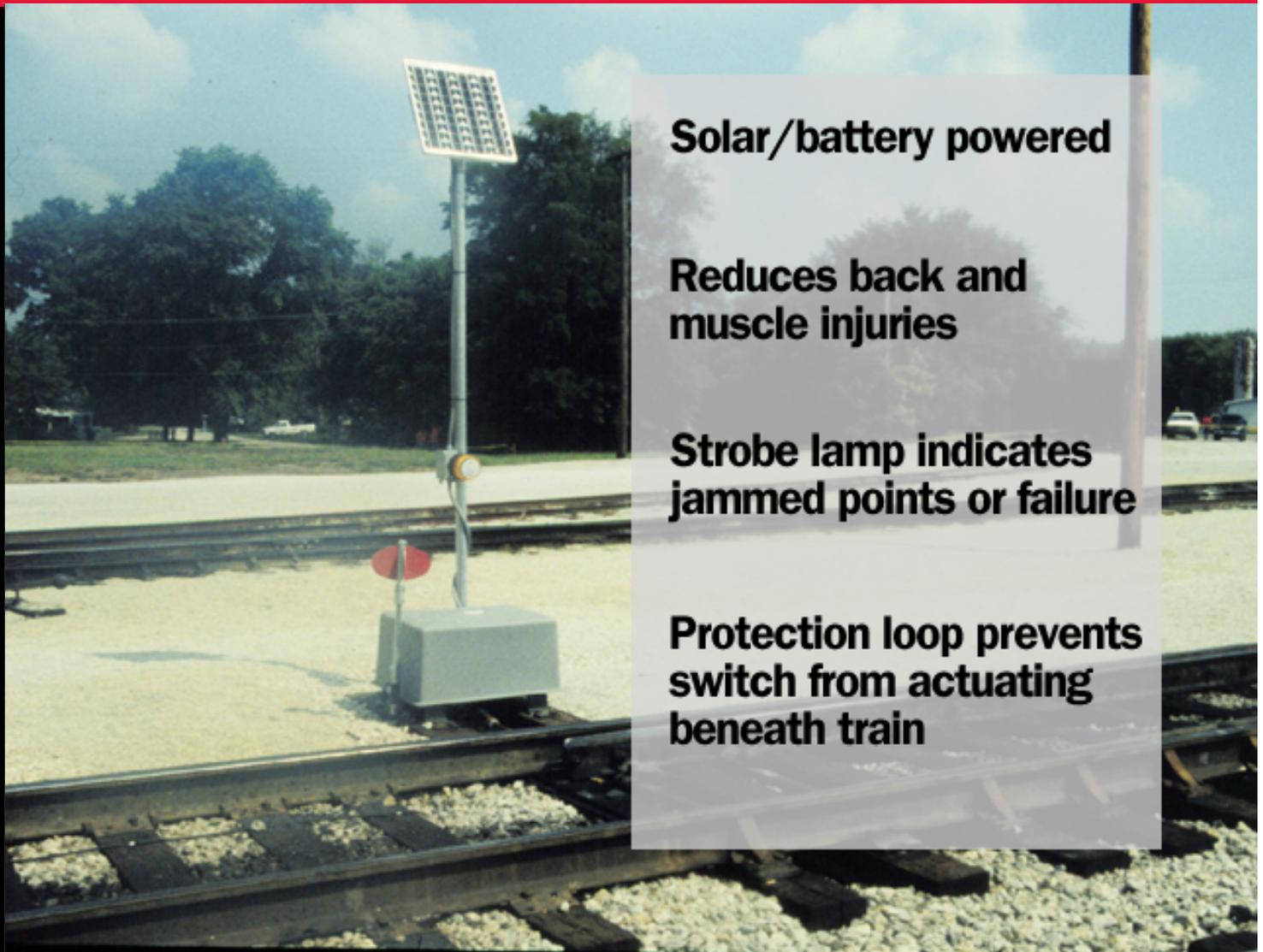
Reduces back and muscle injuries

Strobe lamp indicates jammed points or failure



Power Switches

Yard applications



Solar/battery powered

Reduces back and muscle injuries

Strobe lamp indicates jammed points or failure

Protection loop prevents switch from actuating beneath train



Power Switches

Mainline applications





AEI Readers

Real-time car movement data





Stability



- >Tenfold growth in employment
- Focus on excellent customer service
- Award-winning safety record
- Competitive pricing
- Diversified business/customer base



Managing Capacity Improving Service



- Running a scheduled railroad!
- Realignment of customer service functions
- Cultivating teamwork: Customer and RR mutually accountable
- Getting out of the car storage game; encouraging customers to create more capacity on their property



Managing Capacity Improving Service



- Use of ShipperConnect and M-Crew to process work orders and billings
- Pilot PTI program developed to address service issues encountered with Marathon Ashland refinery in Robinson, Illinois
- Rolling out system wide within 30 days



Run it like a business,
not like a railroad.

