

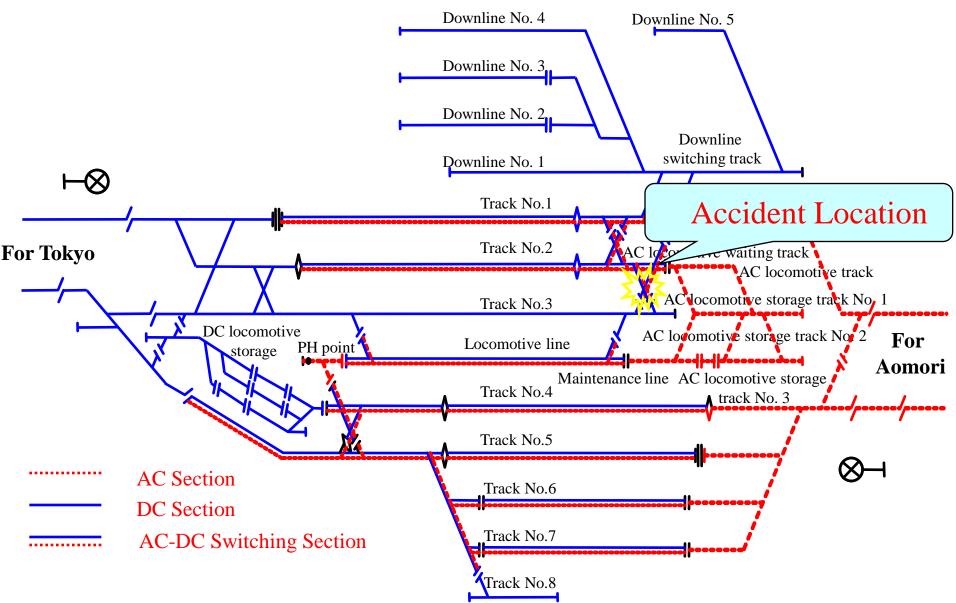
September 17, 2008, 3:43 PM

対し無線にて線路閉鎖着手の連絡を行った。

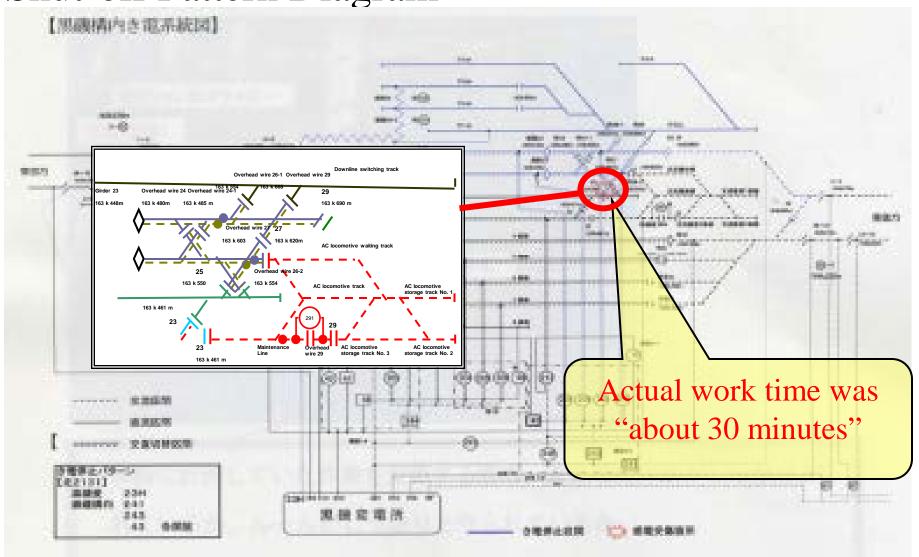
【安対情報 08-101-1】 【被災状況(推定)】 東北本線 黒磯駅構内で発生した協力会社社員の感電について に触れたと思われる Sent the property of by he/she accidentally touched ・事前に計画していた作業を変更する際の、安全確認体制がしっかりとら れているか、ルールがしっかりと守られているか。 へ行っていた)は、黒磯駅北部方の保守用車搬入通路にてB点呼を行った。その際に、工事指揮者は、作 業指示書を基に線閉区間・停電区間等の作業指示、線路閉鎖責任者から連絡のあった運転状況の連絡のほ ・青任者・管理者は、作業を行う際に、資料を確実に作成しているか、資 か、作業員Aには、構副25-5号にてがいしの取替を行うよう指示を行ったと思われる。 (9) 3 時 22 分、線路閉鎖責任者は、再度黒磯駅運転事務室へ赴き、駅社員と打ち合わせ線路閉鎖の着手を行 料の内容を確実に把握しているか。 い、携帯電話にて工事指揮者に連絡した。線路閉鎖責任者から連絡を受けた工事指揮者は、他の作業員に

⇒今一度確認するとともに、再徹底を図ってください。

Kuroiso Station Yard - Electrical Feed Diagram



Kuroiso Station Yard - Electrical Feeder Shut-off Pattern Diagram

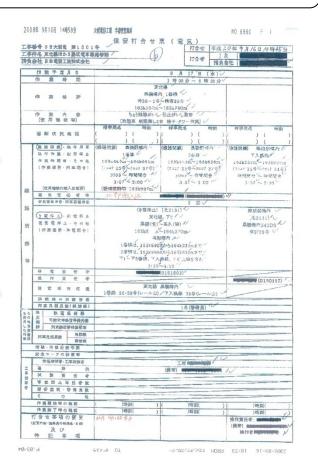


What is our work environment really like?



Prior to work, managers conduct mutual confirmations / checks

Safety Check Slips





How could this happen?

The Labor Union established a "Root Cause Investigation Committee" to investigate the cause.



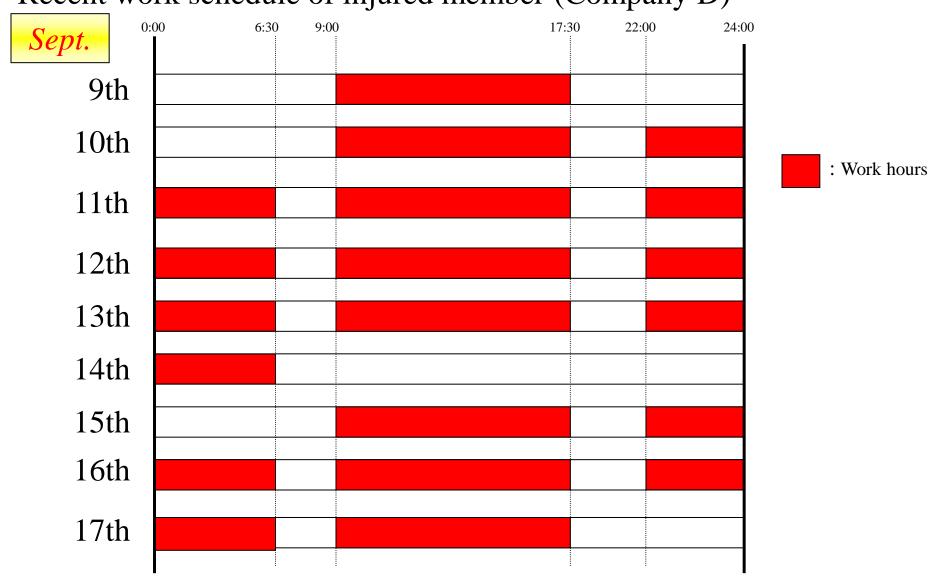


Work organization at the time of accident

Prime contractor			
[Company A]	Subcontractor		
		2nd Tier	2nd Tier
Partner Company	[Company B]	Subcontractor	Subcontractor
Total 22 employees	(Under transfer to Company A)	[Company C]	[Company D]
	3 people	15 people	4 people
	•Work Foreman		
	•Track closure		
	manager		
	•Power shot-off		
	manager		

Work organization at the time of accident

Recent work schedule of injured member (Company D)



Series of events from pre-accident communication to start of work

- 1. Used a copy of the Safety Check Slips for the previous job.
- 2. Because it was a copy, there were power shut-off marks in locations where power had not been shut-off.
- 3. The planned work location turned out to be already completed, so they decided to work on a location that had not yet been completed.
- 4. They were going to change their assigned work after having a discussion with JR. However, they were unable to discuss with the worker of that day, so, they faxed the slip for the assigned work without making changes.
- 5. They were going to talk to the worker later, to change the assigned work.
- 6. They did not test if power was shut-off, nor did they provide proper grounding prior to starting work.

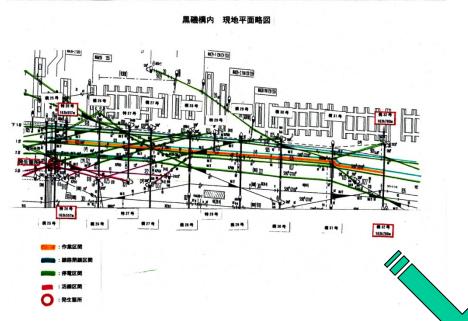
Direct Cause





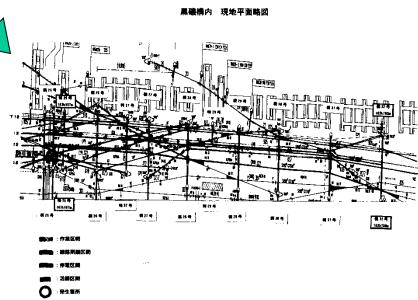
How could this happen?

Root cause 1



When faxed it becomes black & white

Support chart prepared in color



Root cause 2

Want to discuss a change to the assigned work with JR, but short-staff makes it difficult to communicate.



Root cause 3

Work plan needed 3 months in advance...

...makes it difficult to change plans.

Root cause 4

Lack of staff at partner company...

... Prime contractor copes by sending "reverse transfer".

Root cause 5

Actual work time secured for this work ...

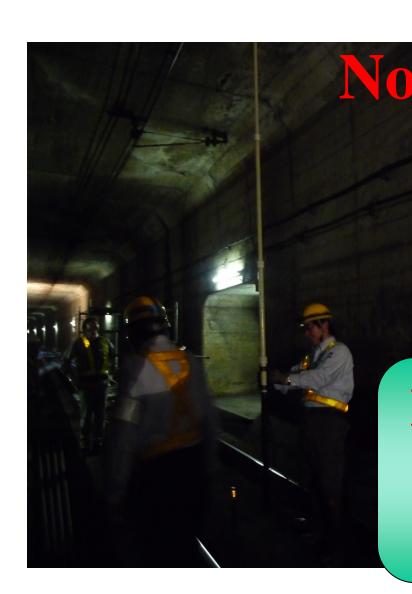
...a mere 25 minutes.

Root cause 6

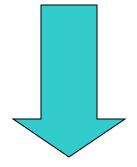
Chances of securing work time ...

... limited to a few times per year.

According to company rules ...



No shut-off check, No work.



Ensure that power is shut-off before starting work.

Emergency actions taken by the company after the accident.

問題3:次の文章は、列車見張員等の立哨位置等に関する記述です。()内に該当する 語句を下記の語群から**選びカタカナを**()内に記入しなさい。

問題4:次の文章は、保安打合せに関する記述です。正しければ〇、誤っていれば×を(

(4) 列車見張員等が立哨位置まで歩行する場合は、(

)は作業等の責任者及び従事員に対して列車接近の合図が可能な範囲内で、

)は、作業等の責任者から指示された位置で、建築限界外の安全が確保で

)の監視等は、作業の責任者から指示された機器設置位

- Not to repeat accident
 - = "One-way education"
- To confirm knowledge
 - = Test

内に記入しなさい。 (1) 保安打合票の打合せ事項の変更を、請負人若しくはJRのいずれかが変更を申し出 る場合は、事前もしくは事後に相手方に変更内容を連絡し、相互に確認する。 (2) 保安打合票の内容を打合せする際は、JRの監督員と当該工事を直接指揮する元請 会社の主任技術者もしくは当該保安打合せの対象となる工事の工事指揮者が打合せ することを基本とするが、軽微な変更の打合せについては、主任技術者もしくは工 事指揮者以外が行なってもよい。 保安打合票の作業場所が変更になる場合であっても、当初計画していた線路閉鎖区 Those who fail to meet the reg standard, prohibited to work until pass the requirements.

Company Countermeasures

Form No. 269 (Countermeasure in response to accident)

- 1. Absolute confirmation of power shut-off
- nt future accidents!! → Visually check that power is shut
- 2. Visually clearer support sti
- Installation
- e root cause is not understood!! stringent safety meetings.
- In principle, once signed Lassignments may not be changed.
- 4. Increase sef
- Latety patrol on managers with an accident Int history.

Omiya Local HQ submits "Form No. 6" to make an emergency request.

東日本旅客鉄道株式会社大宮支社 支 社 長 横 山 裕 司 殿

2008-

東日本旅客鉄道労働組合大宮地方本部執行委員長 山口 浩治

「東北本線 黒磯駅構内で発生した協力会社社員の感電事業

平成20年9月17日(水)3時43分黒磯構内で発 電死亡するといういたたましい事故が発生しました。関連会は 片付けられるものではなく、工事を管理監督する側としての責任が す。この事故の重大性を労使双方で認識を一致し、二度と導い命を失わ 下記の通り緊急申し入れを行いますので、会社の誠意ある回答を要請致しま

記

- 1. 「再発防止に向けた取組み」で行われている知悉度確認

以上

Workers voice

their anger

Does not make sense to conducting tests before root cause is clarified!

The company's argument

This accident occurred because:

- "Basic rules are not followed."
- "Minimum work rules need to be known"

Justification of Tests



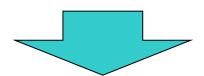
What the Root Cause Investigation Committee has identified

- 1. Appropriate personnel are lacking in the workplace.
- 2. Increase in work volume has resulted in checks being skipped.
- 3. Workplace conditions are not accurately grasped because of organizational changes resulting from veteran workers nearing retirement age.

Rebuilding the Maintenance Organization (Facility 21)

Appropriate job classification

Work requiring specialized expertise from past experience conducted by partner company



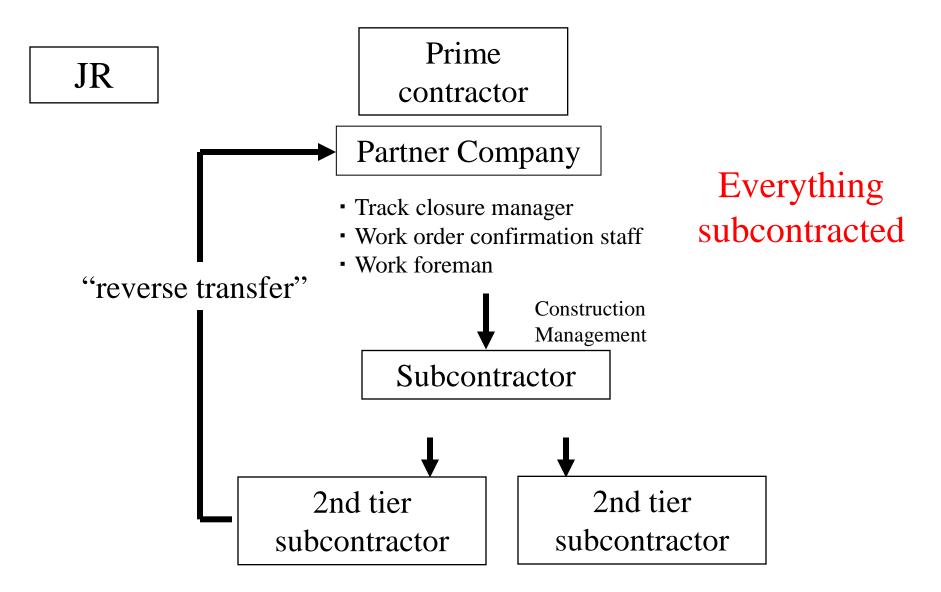
Technology experts in construction (Maintenance group)

JR to focus on adopting latest advanced technology

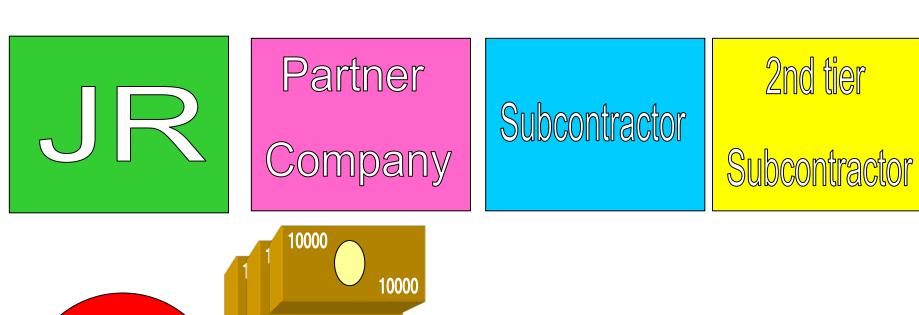


Technology experts in facility management (Planning group)

Responsible construction organization for construction work

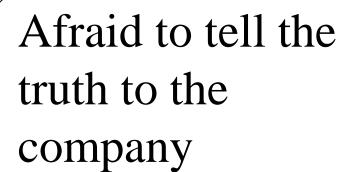


Flow of work contract





As long as there is a contract, let them take care of everything...



We will be disciplined.



Lessons from past accidents –

Feb. 21, 1999

Yamanote line man-vehicle fatal collision accident with a freight train

..... Prevent contact with train

July 20, 1997

Tohoku line Fujita Station yard fatal electrocution accident

..... Prevent electrocution

September 4, 1993

Sobu line Higata Station yard fatal electrocution accident

..... Prevent fall

Wonderful rules and safety facilities are of little help unless the workers cannot use them!

Our issues

- 1. Secure necessary staff.
- 2. Reconsider outsourcing of work that may be detrimental to safety.
- 3. Review the variety of countermeasures established in response to various accidents. Try to review and modify the safety Safety Check Slips and other check lists.
- 4. Rebuild a workplace that enables technology transfer.

What is our perspective on safety?

Learn from the realities of the workplace; workers are able to tell the truth

What is needed in the workplace...

"Workers come first"

"Stop pointing fingers and investigate the root cause"

"Safety is built by both union and management"

Safety can only be built when the union and management utilizes the power of the union organization!!

It is the workers in the field that bear the responsibility of safety.

Life is an absolute value!!

Lets lead the way to safety by fighting together as coworkers!!

