



The Owner's Role on Project/Contractor Safety Performance

Jimmie Hinze

University of Florida



Owner's Influence on
Project/Contractor
Safety Performance

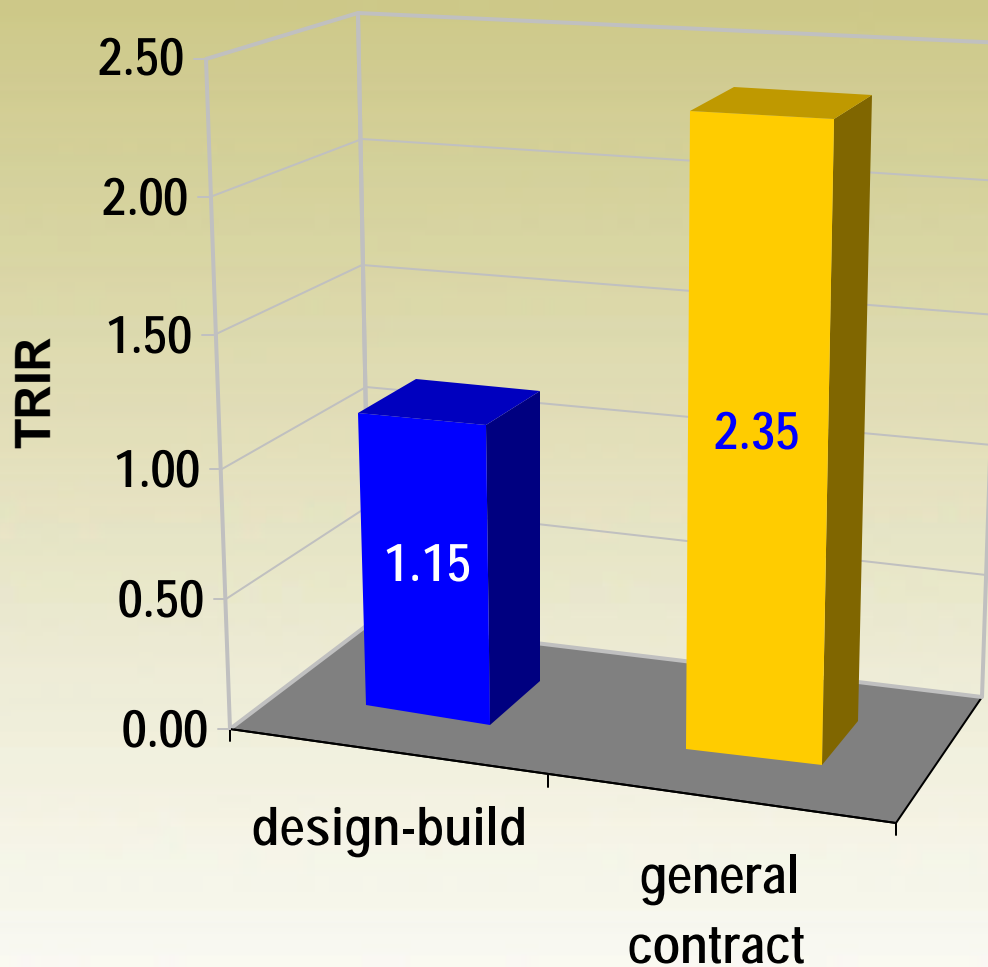
Study of the Role of Owners in Influencing Construction Safety

Four Broad Areas Identified

- Project Variables
- Contractor Selection
- Contract Requirements on Safety
- Owner Involvement During Construction

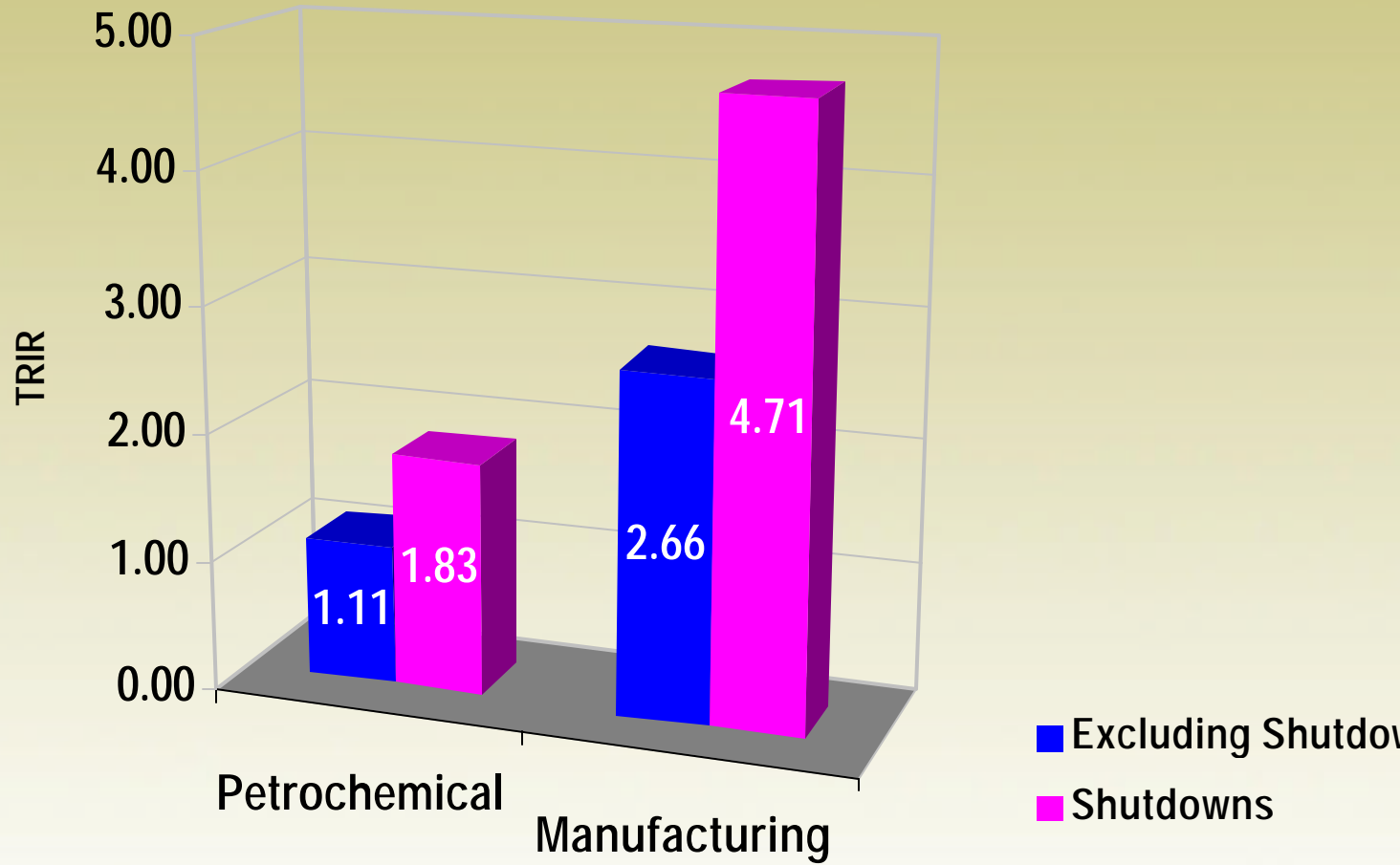


Project Type





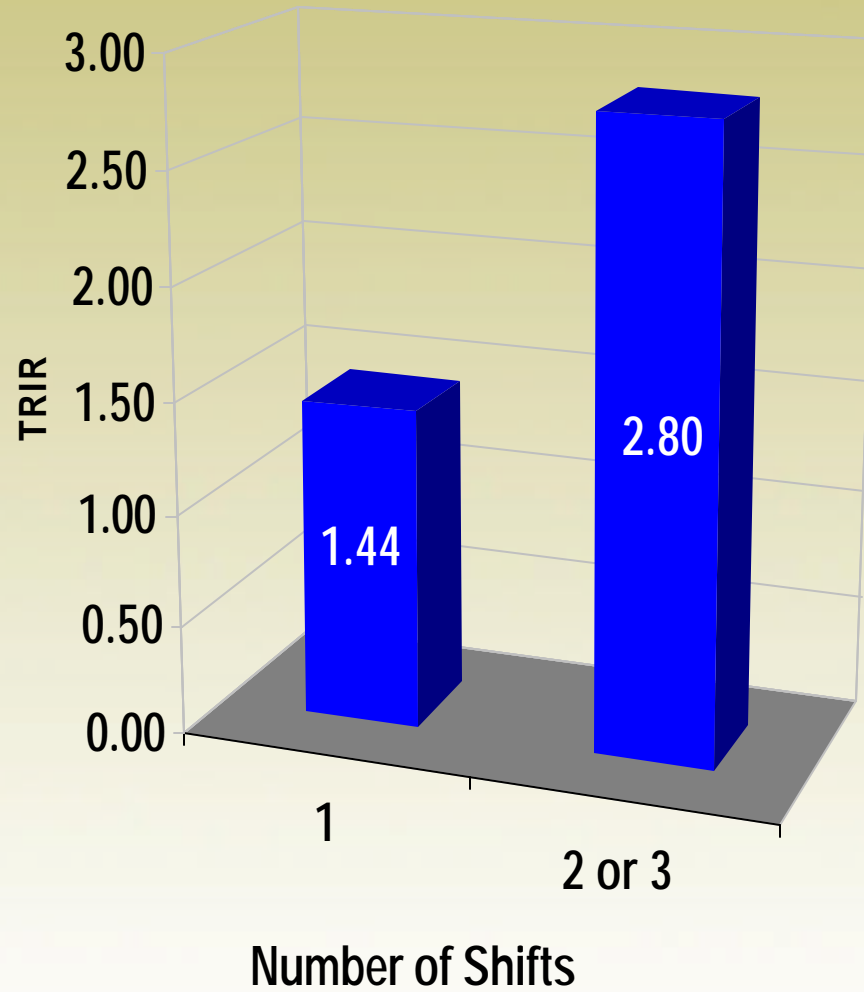
Project Type



Owner's Influence on
Project/Contractor
Safety Performance

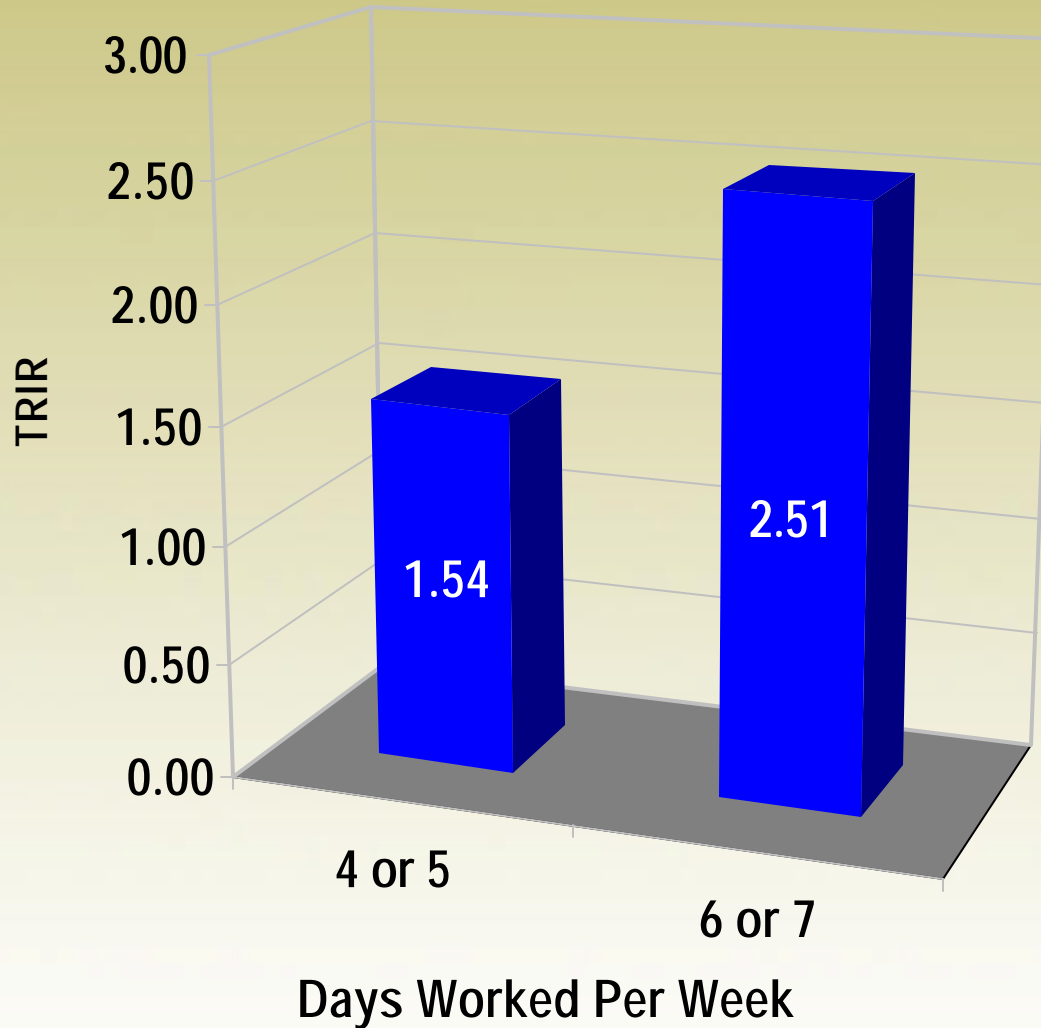


Project Type

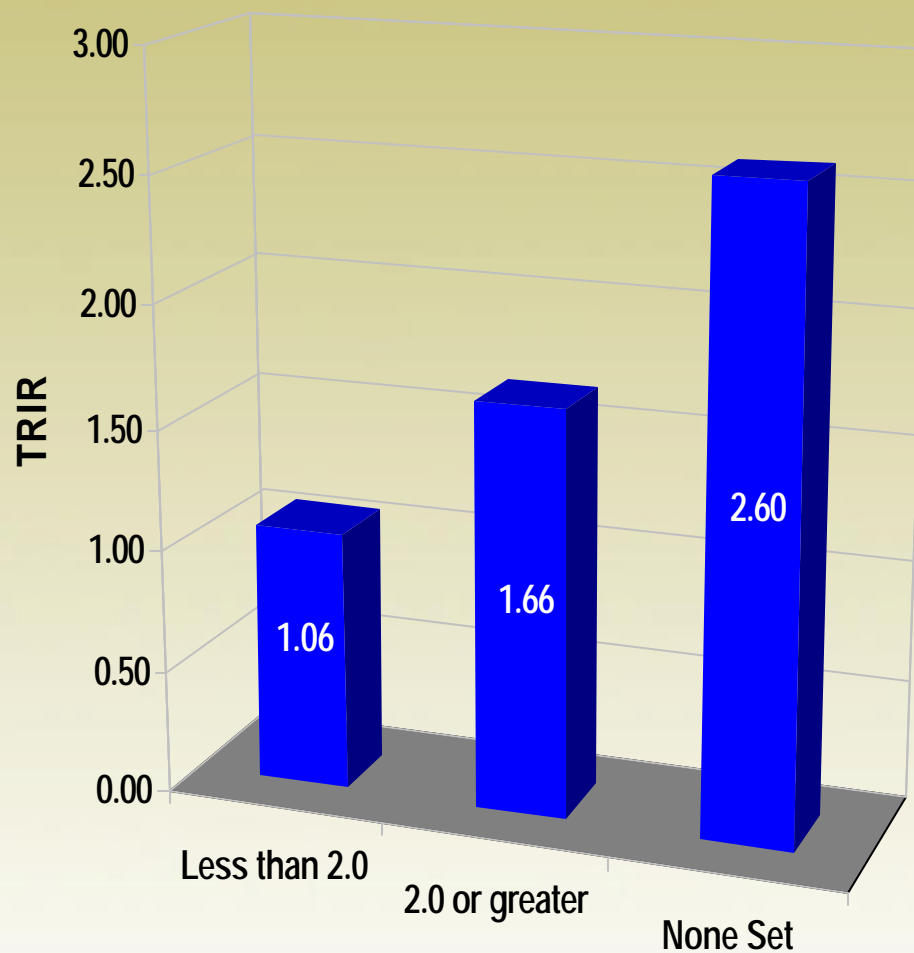




Project Type

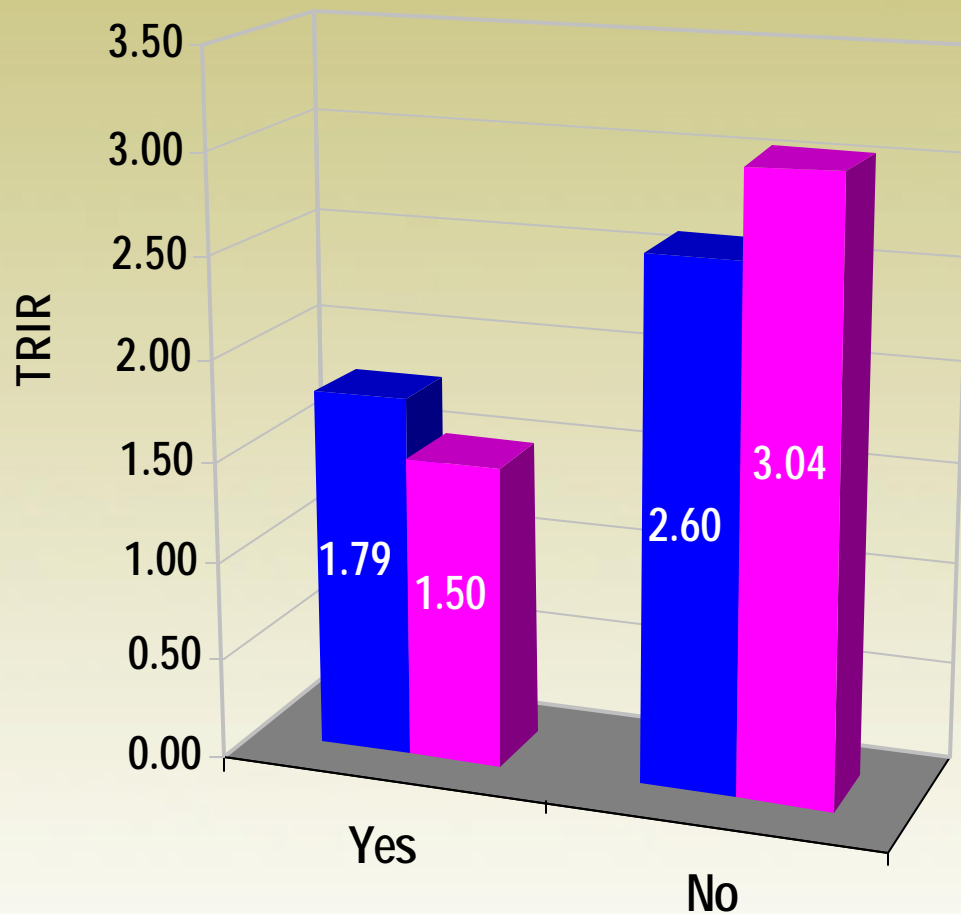


Selection of Safe Contractors



Maximum Value of TRIR that is Acceptable to the Owner

Selection of Safe Contractors

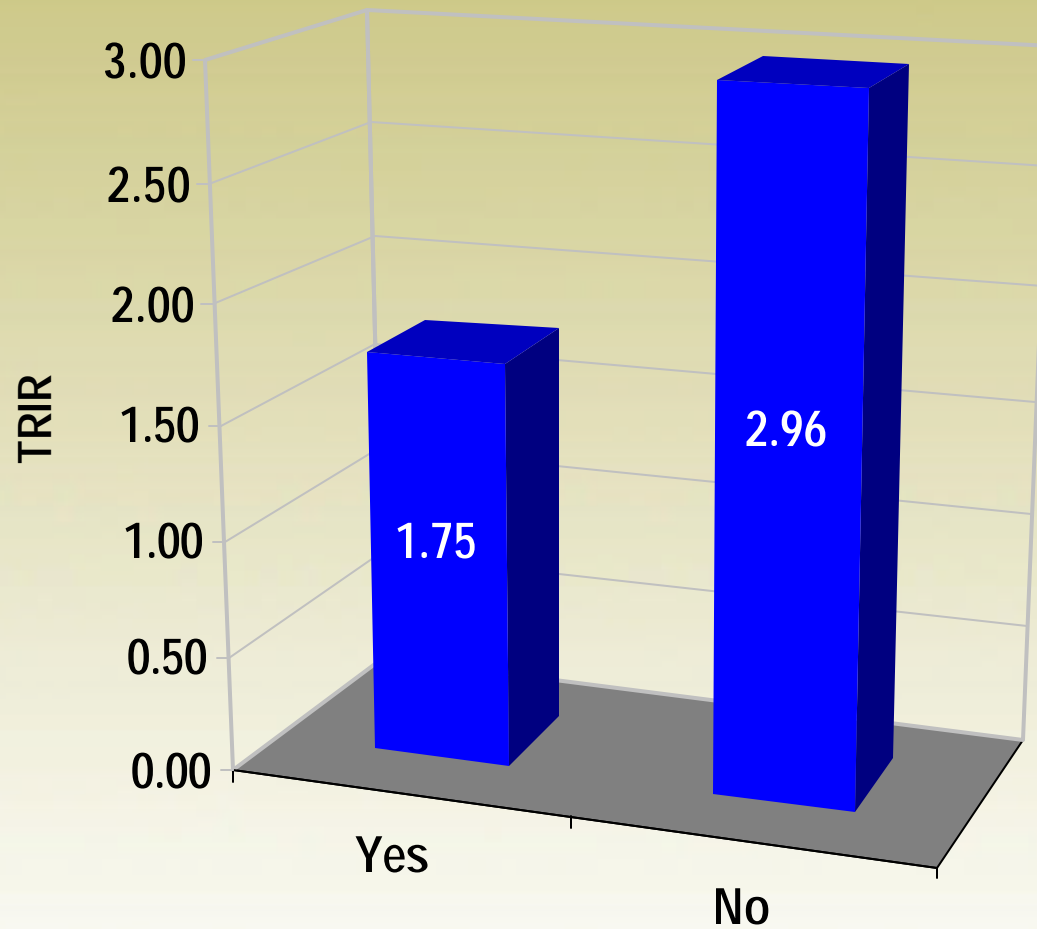


■ Safety Staff

■ Project Management Team

Personnel qualifications are reviewed when evaluating contractors safety

Contractual Safety Requirements

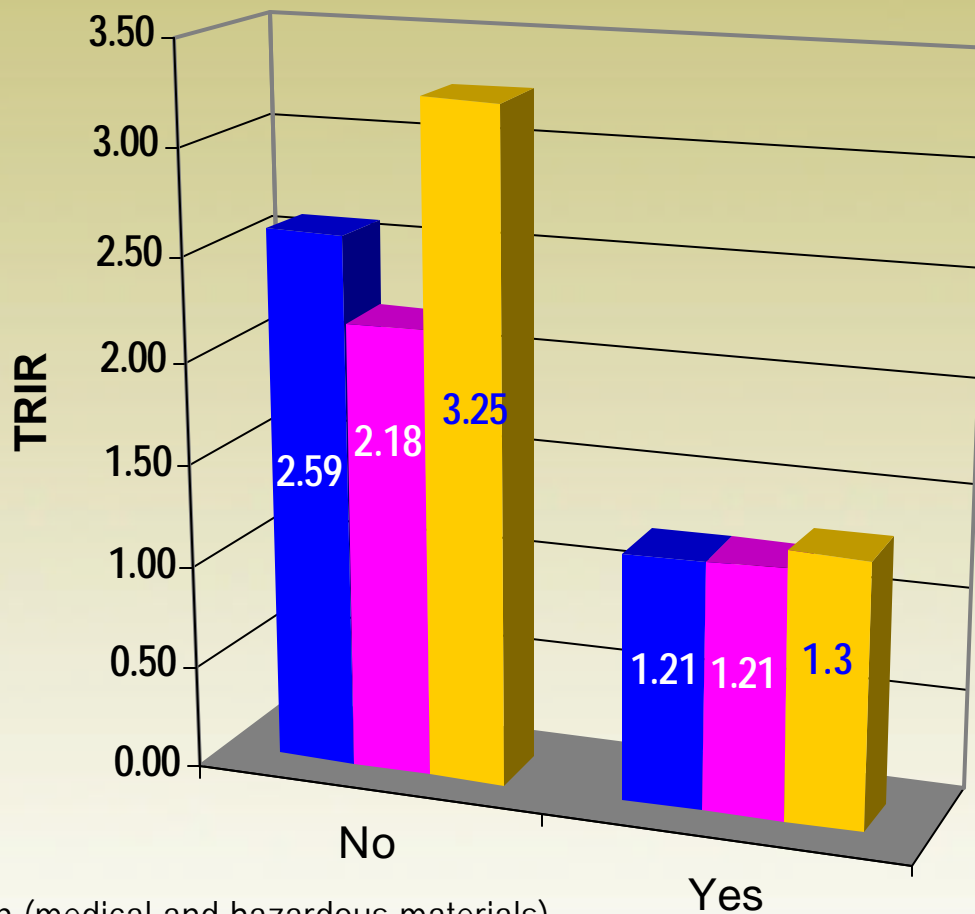


Contract requires at least one full time safety professional on site



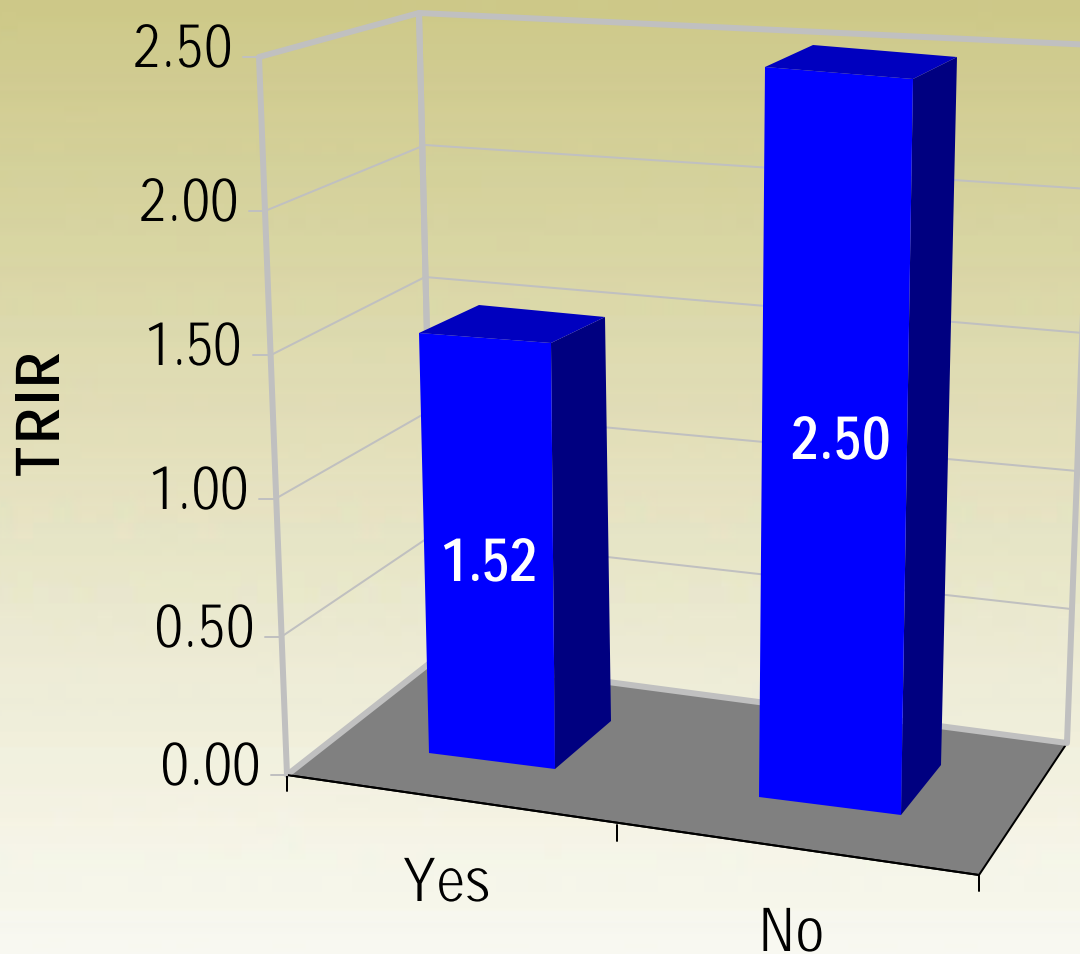
Owner's Safety Involvement During Project

Elements that
must be Included
in the
Contractor's
Safety Program



- Emergency plan (medical and hazardous materials)
- Daily JSA (job safety analysis) conducted on the project site
- Substance abuse program

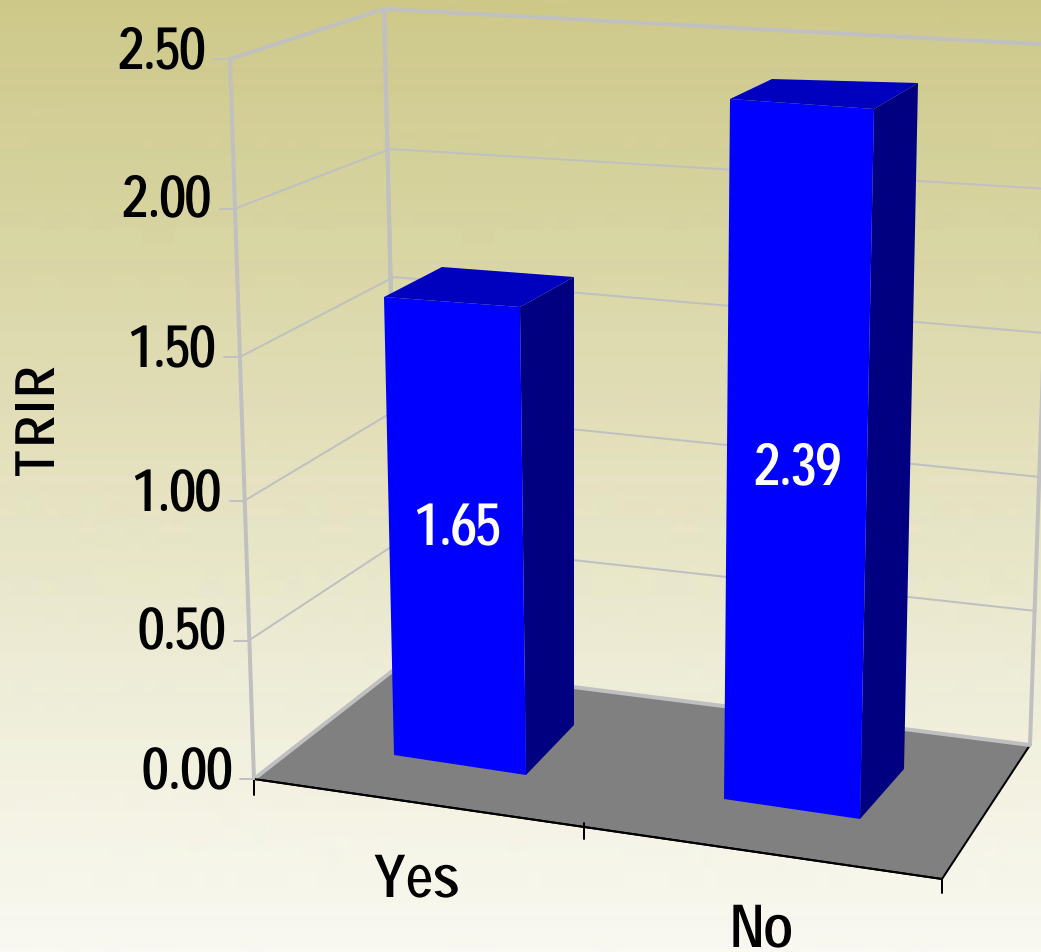
Owner's Safety Involvement During Project Execution



Owner keeps injury statistics separately on each contractor



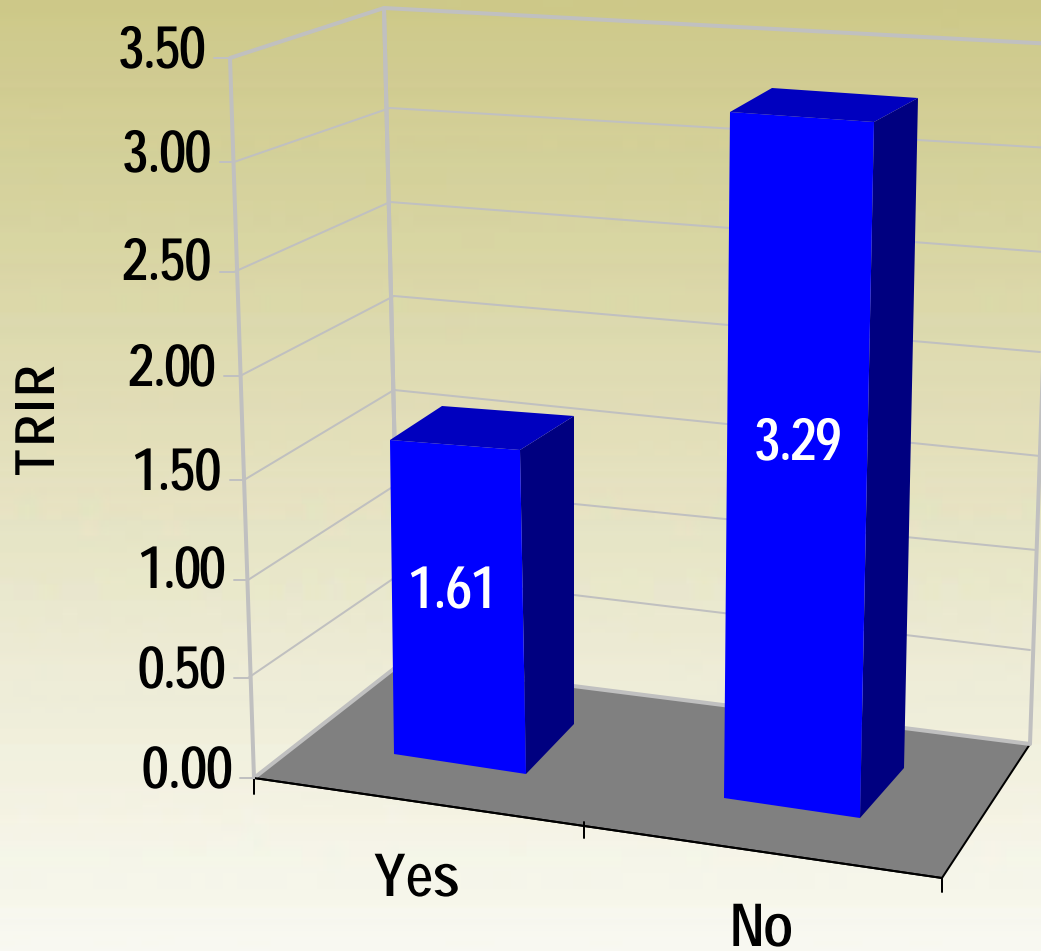
Owner's Safety Involvement During Project Execution



Owner provides extra funds (outside of the contract) to promote project safety

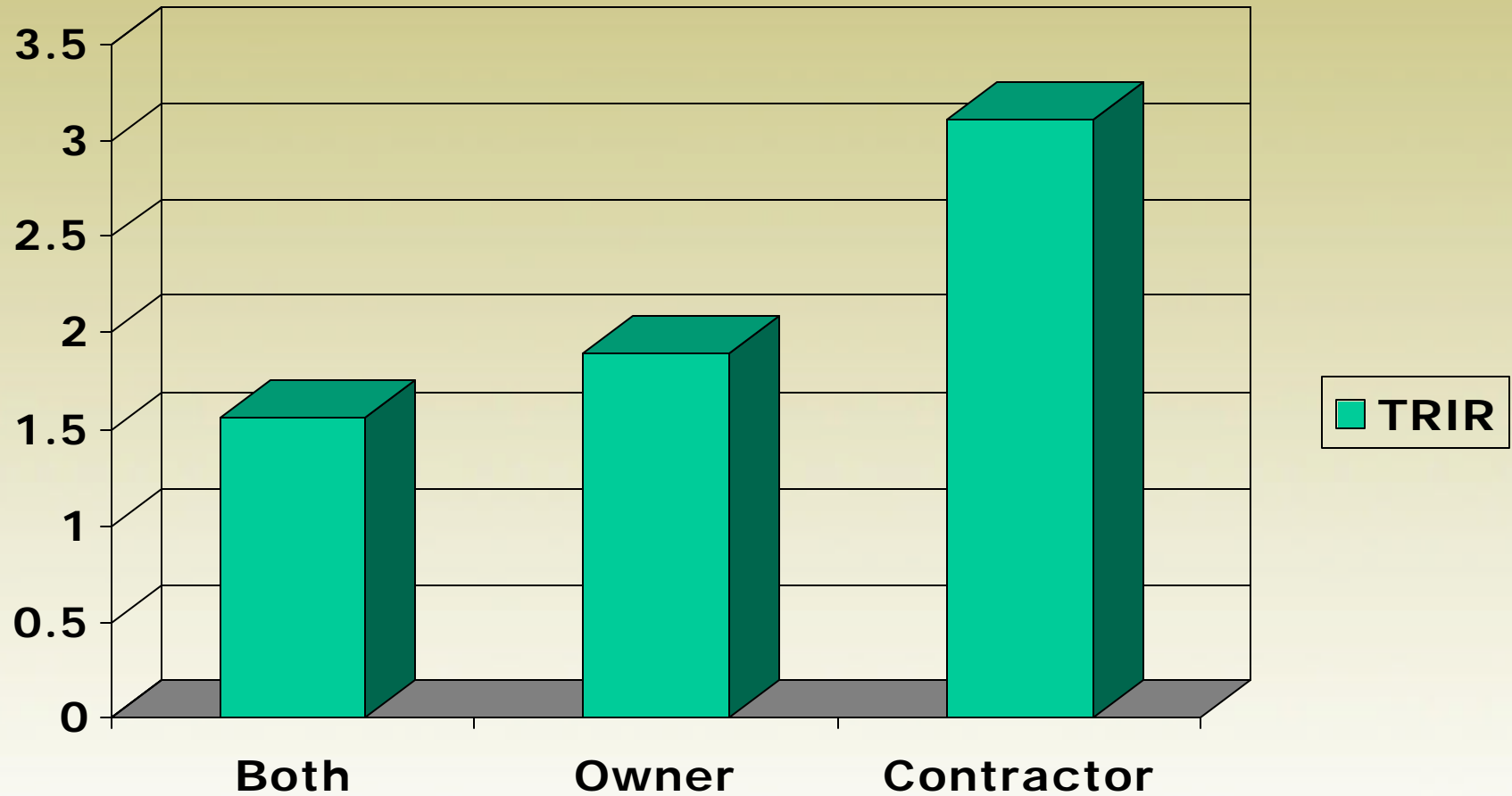


Owner's Safety Involvement During Project Execution



Owner participates in the safety recognition program

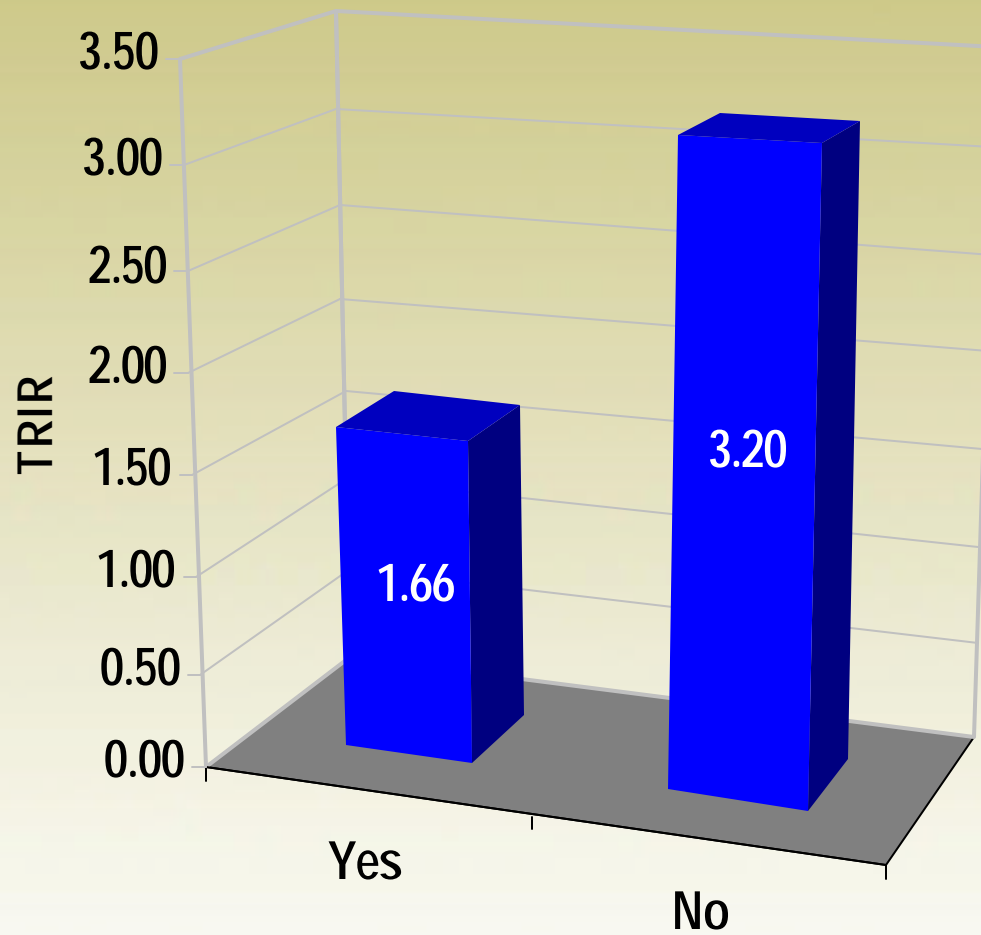
Owner's Safety Involvement During Project Execution



Who Participates in Conducting Orientation Training



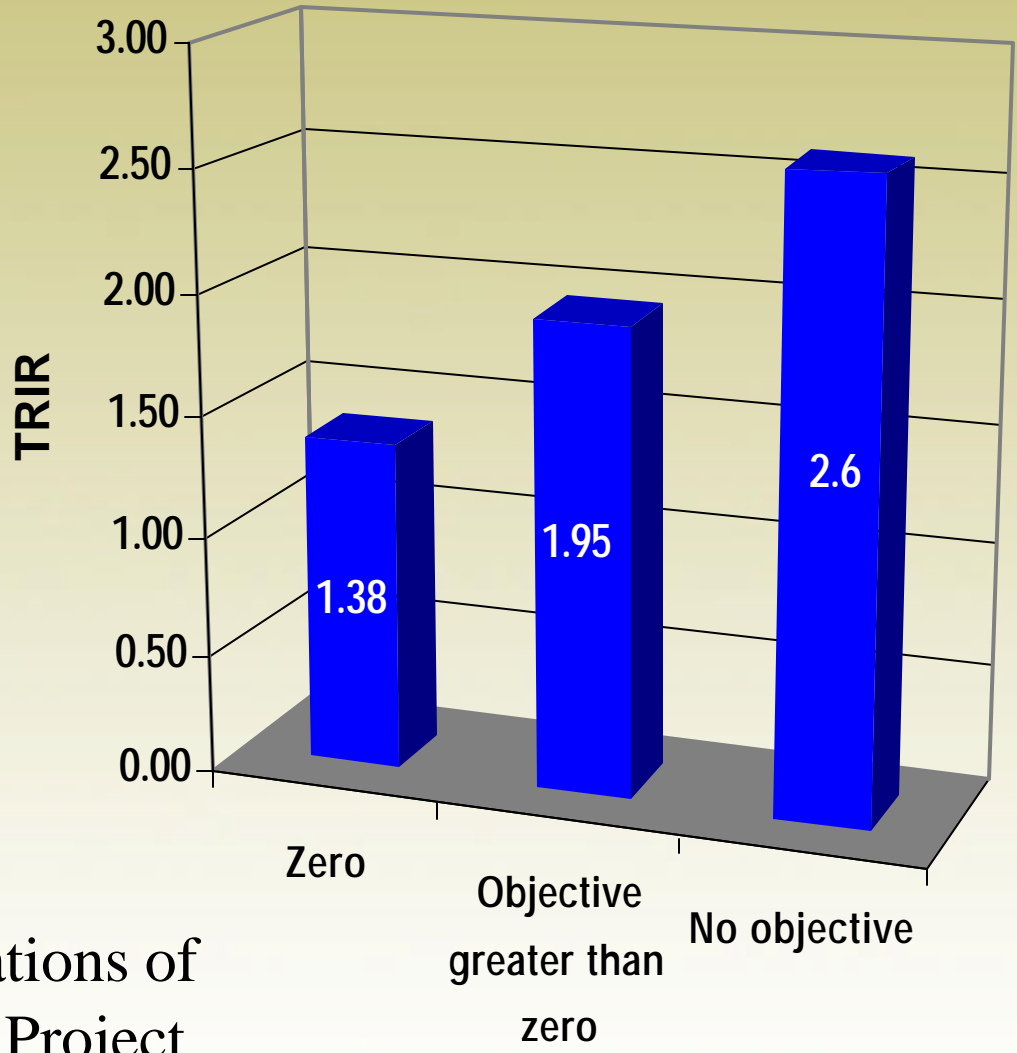
Owner's Safety Involvement During Project Execution



Owner requires testing after safety orientation



Owner's Safety Involvement During Project Execution



Owner's Expectations of the TRIR for the Project

Score Card for Owner Safety

Owner's Influence on Construction Safety Score Card

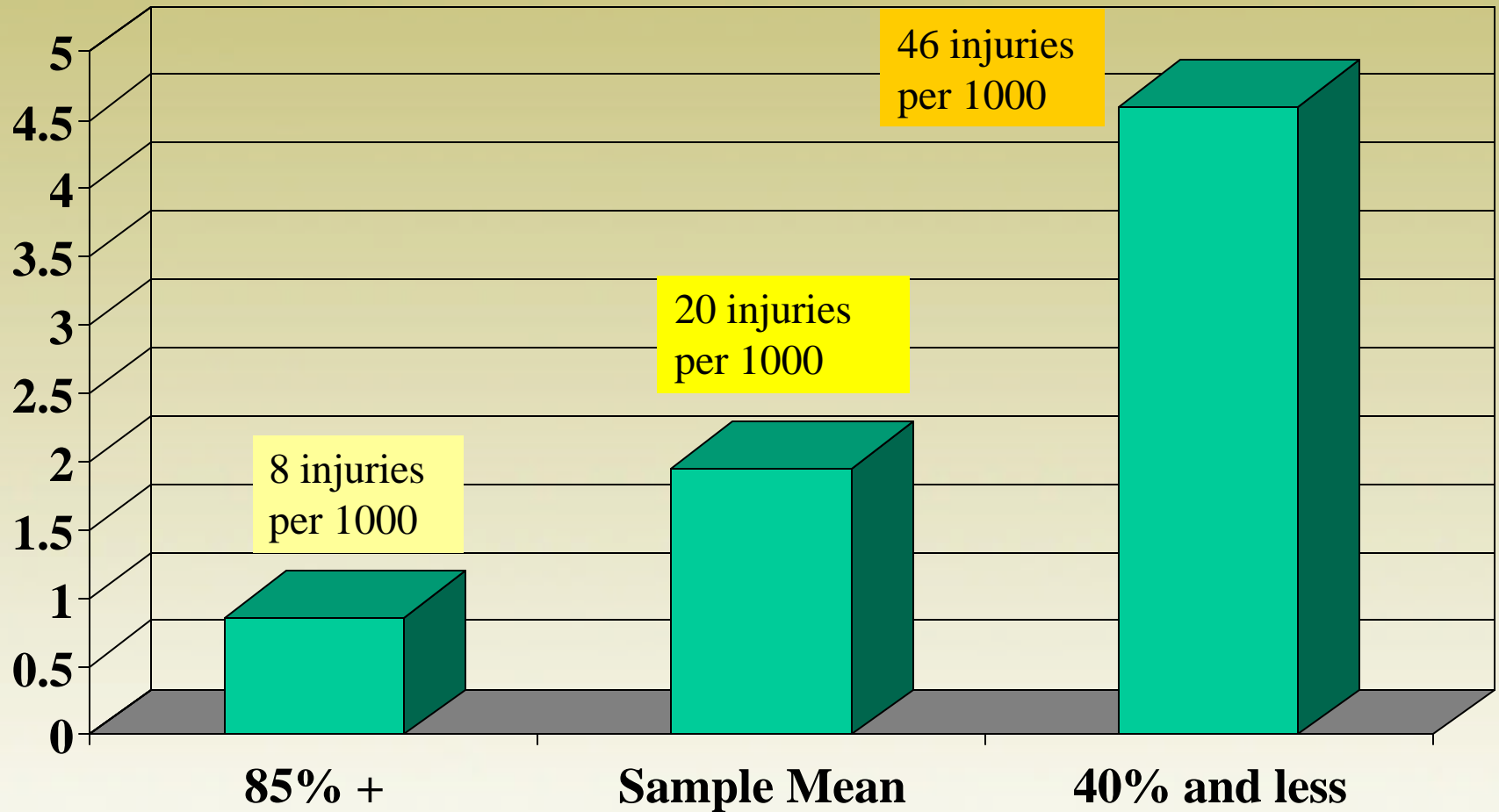
Project Context, Contractor Selection, Contractual Safety Requirements and Owner Involvement in Project Safety		Answer
Project context:		
(1) Does the project work one shift?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(2) Does the project work five days a week or less?	<input type="checkbox"/> Y <input type="checkbox"/> N	
Selection of contractor		
(3) Is the TRIR requirement for the contractor selection less than 2.0?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(4) Are the qualifications of the project team reviewed?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(5) Are the qualifications of the safety staff reviewed?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(6) Does the evaluation of each contractor's safety performance make a difference in awarding the contract?	<input type="checkbox"/> Y <input type="checkbox"/> N	
Contractual safety requirements		
(7) Does the project use a design-build contract?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(8) Does the contract require the contractor to place at least one full-time safety representative on the project site?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(9) Does the contract require the contractor to submit all safety personnel résumés for the owner's approval?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(10) Does the contract require the contractor to prepare a site-specific safety plan?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(11) Does the contract require the contractor to submit a safety policy signed by its CEO?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(12) Does the contract require the contractor to provide a minimum specified amount of training to the construction workers?	<input type="checkbox"/> Y <input type="checkbox"/> N	
Contractor Safety Program Requirements		
Which of the following are required to be included in the contractor's safety program?		
(13) Contractor must prepare a plan for site emergencies	<input type="checkbox"/> Y <input type="checkbox"/> N	
(14) Contractor must conduct pre-task safety planning on the project site	<input type="checkbox"/> Y <input type="checkbox"/> N	
(15) Contractor must implement a substance abuse testing program	<input type="checkbox"/> Y <input type="checkbox"/> N	
Owner's involvement in project safety management		
(16) Does the owner's safety representative investigate near misses?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(17) Are injury statistics on the projects maintained separately on each contractor?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(18) Are all project injuries included in the owner's overall measure of safety performance?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(19) The owner actively participates (gives presentations) during worker safety orientation?	<input type="checkbox"/> Y <input type="checkbox"/> N	
(20) Comprehension of safety training is evaluated through testing?	<input type="checkbox"/> Y <input type="checkbox"/> N	
Which of the following activities are performed by the owner's site safety representative?		
(21) Enforcing safety rules and regulations	<input type="checkbox"/> Y <input type="checkbox"/> N	
(22) Monitoring of the implementation of pre-task planning	<input type="checkbox"/> Y <input type="checkbox"/> N	
(23) Participating in safety recognition programs	<input type="checkbox"/> Y <input type="checkbox"/> N	
(24) Participating in safety and/or tool box meetings	<input type="checkbox"/> Y <input type="checkbox"/> N	
(25) Does the owner set zero injury as its safety expectation before the commencement of site work?	<input type="checkbox"/> Y <input type="checkbox"/> N	
Total Count of Yes Responses		
Multiply the Yes Count by 4	(X4)	%

What the score means:

85% or better is strong owner involvement

40% or less indicates weak owner involvement

Research Results are Clear



Score Card Results and TRIR