America’s Leading Manufacturer of Fall Protection Systems and Safe Vehicle Access Systems!
American industry recognizes OSHA's increasing emphasis on fall protection. As areas with high risk potential for serious injuries due to accidental falls have been targeted, the incidence rate has declined. Existing OSHA general statutes make fall protection mandatory where workers are exposed to potential fall hazards from heights of six feet or more. Many companies have voluntarily lowered their in-house standards even further than the OSHA guidelines and restrict workers from traversing more than four feet above unprotected potential fall surfaces. Informed insurance industry risk evaluators believe “four foot maximum potential falls” may become the regulated standard in the future, since insurance industry research into documented falls has shown that serious injuries are common even from this minimal height. In addition to free-falls off high working surfaces such as railcars or truck trailers, some of the most common injuries are caused by minimal, non-impact falls including slips, trips, and sliding falls. Fall Protection Systems, Inc., the leading manufacturer of fall protection systems in the USA, offers effective, comparatively low cost fall protection systems for these applications.

The most effective pro-active approach toward reducing fall related injuries is based on addressing the hazards presented by falls. Minimizing total allowable fall distance is the primary safety engineering concern.
What Is A Turnkey System, and Why Should I Buy One?

Some companies sell fall protection components and try to convince you to “do it yourself”. That might sound logical to someone trying to save a few dollars. We don’t necessarily agree!

A manufacturer-installed system is called a “Turnkey System”. Fall Protection Systems installs over 98% of our systems as “Turnkey Systems”. When we recommend a turnkey system, it may be a little more difficult for you to compare our quotation to others, but it’s worth the extra effort. Keep in mind that with our proposal, there is “nothing to add” to the quotation to cover additional costs. Everything is included, even the engineering, freight, and installation!

Don’t Take Chances With An Unprofessional Installation

Our company replaces over a hundred of our competitor’s fall protection systems every year due to poor or inadequate designs or improper installation. Regardless of the manufacturer or type of fall protection system you choose, all of the components of a professionally engineered fall protection system must be carefully matched together to produce a truly effective system. For instance, retractable lifelines of more than eleven feet in length are not normally used with safety cable systems because they create a problem known in our industry as “walkout”, in which the user can literally walk too far away from his lifeline, creating an unsafe swing fall condition. Because of our long experience in this field, our professional system designers recognize and eliminate these concerns in advance when we design a system for your company. We have a long relationship with the railroads. We know their unique installation requirements, and we often eliminate potential hassles by addressing problems before they happen.

Professional installation eliminates errors!

Fall Protection Systems, Inc. engineers know the OSHA, ANSI, and most other industry-specific regulations, and we consistently design and assemble components into a safe and effective system. We have the experience and know how to quickly and properly install them. What might take an inexperienced subcontractor weeks to install, we typically complete in one or two days. We own the latest installation equipment, such as cranes, augurs, man lifts and laser leveling systems, and we always have all the tools we need when we arrive to do an installation. Our years of professional experience eliminate wasted time and costly errors.
Fall Protection Systems is the leading supplier to the American grain and feed industries, where our systems protect thousands of workers every day from falls off hopper, tanker and dry bulk railroad cars.

We are also heavily involved in several other industries, such as flatbed trailer truck tarping and strapping applications, cement and concrete industries, chemical industry, plating industry, steel mills, electric and natural gas utility plants, oil refineries, stadiums and arenas, aircraft hangers and wash racks, and several other areas presenting equally challenging requirements for fall protection systems.

We are the leading fall protection supplier to American dry bulk material manufacturers and handling companies, such as the plastics industry, flour mills, cereal manufacturers, plastic molding companies and resin suppliers, powdered materials manufacturers such as powdered carbon materials used in charcoal, and many other dry bulk material industries.

“Call for a FREE Site Survey”
What Is Wrong With Flexible Lifeline Style Fall Arrest Systems?

▲ Secondary falls are a serious concern with so called “Safety Cables”. A safety cable behaves similar to a rubber band under load. A tensioned cable "bounces" a fall victim during a fall arrest, an effect known as a “Secondary Fall”. Secondary falls are often more damaging to a fall victim that the initial fall arrest.

▲ To minimize cable deflection and spring-back during fall arrests, safety cable systems cannot span long distances without using several intermediate attachments.

▲ Safety Cables typically allow a falling worker to drop several feet before the fall is totally arrested, creating a much higher likelihood that a fall arrest victim will strike an impact hazard below. For example, "slips and trips" on a cable system are quite likely to cause a worker to strike his knees on the walking surface he is traversing.

▲ All safety cable systems, regardless of manufacturer, have a common generic problem with intermediate supports. Intermediate attachments must support the cable to minimize fall arrest deflection, however, the cable trolley must be able to pass intermediate attachments without losing its hold on the cable.

To prevent excessive drag resistance on a walking worker’s harness attachment, safety cable trolleys must pass smoothly over the intermediate connections without hanging up on the attachment brackets.

Although some cable systems are better than others, users of even the most popular safety cable systems, including ours, complain that their cable trolleys get temporarily hung up as they pull the trolley by the intermediate attachments. Hang-ups cause the user’s self-retracting lifeline to temporarily feed out additional slack as the trolley is pulled past the resistance caused by the intermediate attachment. If the worker is walking too fast, the lifeline may be fooled into sensing a fall and may activate the brake mechanism, potentially pulling the worker over backward. This is a serious problem with virtually all safety cable systems with intermediate attachments, and documented falls have been caused by this problem.
To minimize the effect of constant stress loads on the safety cable, as well as to the structure to which it is attached, safety cable systems are typically installed with only 1200# of tension on the cables. Therefore, the cable may “droop” to some extent between connections. Shock absorbers may be added to help minimize cable deflection, although their use delivers minimal improvement. Lanyards, or light-weight self-retracting life lines (SRL’s), are used with typical safety cable systems to minimize traversing problems. Heavier self-retracting lifeline systems tend to hangup on the intermediate connections while traversing the system. Furthermore, because typically there is no brake in the cable trolley system, when a worker falls anywhere but in the center of the span between the overhead cable attachments, he is likely to coast down hill toward the center of equilibrium of the span between supporting attachments.

Falls with safety cable systems always introduce significant horizontal load stress on a building structure. Most buildings are not designed to absorb such a severe horizontal load. Unless the system is properly engineered, your building structure may suffer costly structural damage due to the horizontal stresses introduced by a fall arrest with a safety cable system.

Regardless of the manufacturer, all professionally engineered safety cable systems, must be quarantined after a fall arrest, and a thorough recertification inspection by a competent person is required before the system may be used again.

Falls are not covered under the typical safety cable manufacturers’ limited one year warranty. After a fall, virtually every professionally engineered safety cable system, including ours, must be taken out of service temporarily until it has been repaired. Most safety cable system manufacturers’ repair procedures require temporary dismantling of the system while a factory-trained professional replaces the costly damaged parts.

The apparent major advantage of safety cables is lower initial cost, until you do a little research into our rigid trolley rail systems, which address every one of these issues with a logical solution!
“Nothing else compares! Our Patented Trolley Beam System is The Safest Fall Arrest System In The World”

Your fall protection system should stop your fall in the shortest possible distance, and our Trolley Beam Systems do just that. Imagine how dangerous a fall would be with a flexible lifeline if this man went down between these railcars! Our trolley beams typically terminate a fall in less than two feet with no secondary falls. A typical safety cable system would allow a far greater and much more dangerous fall distance of four to six feet, and would also allow dangerous bouncing (secondary falls) to occur as well.

Consider The Advantages!

Cable Systems allow longer falls, dangerous secondary falls (bounces) which can lead to potential injuries.

Our Trolley Beam System arrests falls in the shortest distance possible with no secondary falls. Result: Eliminates injuries.
Our most popular line of equipment, these systems are widely recognized as the current standard of the industry! No other commercially available fall protection system delivers a safer fall arrest, and no other company in America installs as many systems as we do. Trolley Beams, despite being universally considered the most effective fall protection systems, were once limited to short coverage spans. The development of patented high strength integrated truss-based systems by Fall Protection Systems, Inc., has made FPS, Inc., the leading system manufacturer and installer in the U.S.A. These systems are so unique they are covered under US patent numbers 6,269,904B1 and D440,023S. Here’s why they are the most popular system in America.

▲ **Highest safety performance available**
Nothing is more effective at arresting falls than our trolley beam system. Total maximum fall distances of less than two feet are common with our system! No secondary falls (“no bounces during a fall arrest”) are introduced by the system! Slips and Trips are typically arrested before a worker can fall to his knees.

▲ **User Friendliness**
These systems eliminate trolley hangups and excessive drag on the lifeline and trolley because there are no intermediate connections. Our trolley rail systems are laser leveled, guaranteeing a level, smooth running system end to end. In dangerous weather, such as high winds or icy conditions, we recommend that a worker “lock” and continue holding the lifeline, drawing it along with him while traversing a slippery vehicle, providing him with moving overhead support to hold on to while walking that will help maintain his balance.

▲ **Unlimited length and future expansion capability**
Want to extend the system later? No problem. Inexpensive extensions of any length desired can be added at any time. There is no limit on the total length of this system. We have several multi-user systems in the field that exceed one thousand feet in continuous length. How would you efficiently extend a fixed length wire rope system? Depending on the manufacturer, many single span safety cable systems are limited to maximum lengths of between 120 and 150 feet.

▲ **Sole Source Responsibility**
Fall Protection Systems engineers, manufactures, and installs most of our systems, eliminating costly middlemen and lowering your cost. In the unlikely situation where anything needs warranty attention, you have but one finger to point and we will respond immediately. No other company in the world installs as many systems as we do, and our experienced award-winning installation service is exceptional.

▲ **Durability and Reliability**
Without question, Fall Protection Systems manufactures the most durable system in the industry. In fact, nothing else compares. None of our thousands of systems in the field has ever needed repairs after a fall arrest! That means unnecessary downtime is eliminated for our customers, and eliminates the high expense that all safety cable customers are required to spend as required by OSHA regulations to recertify a system after a fall arrest. Our trolley beam systems are so durable, recertification is not necessary after a fall arrest!
 ▲ **Recertification After A Fall**
Our trolley beam systems are so durable, recertification is not required after a fall arrest! Fall Protection Systems will ask you to visually look over your system, however, no system has ever required rework in our many years of experience. Note: The self-retracting lifeline may require recertification if the red fall indicator has appeared. Consult User Instruction Manual.

 ▲ **Five-Year Unlimited Warranty**
Our five year “no strings attached” full warranty is simply the best in the industry! (Refer to warranty.)

 ▲ **Low Cost/Affordability**
We proudly lead the fall protection industry in America with our exceptionally high quality products and service, user-friendly performance, and reliability...yet the cost is surprisingly low. We manufacture and install more fall protection systems each year than any other company in America. You may be quite pleasantly surprised to learn how, despite the obvious unparalleled value, our trolley beam systems are typically priced about the same as comparable safety cable systems.

 ▲ **Delivery, Terms and Conditions**
From the time you place your order, we coordinate the installation with your people. Our Field Installation Superintendent will work with you to obtain permits and variations if necessary to clear the installation through proper channels. Once approval is attained, we typically install our systems within six to eight weeks after order placement.

 ▲ **Free User Training and Certification**
Free User Training and Certification are included with your system. We provide an instructional video tape for annual recertification for your workers as required by OSHA regulations. We also provide convenient pocket-sized training manuals, and OSHA-required instructional training logs to record training dates. Each of your workers will also receive personal wallet sized “authorized user certification” cards. This package eliminates all concerns regarding OSHA compliance.

Optional Annual Inspections are offered by Fall Protection Systems professional inspectors. They are not currently required by law.
Typical Installations

This twin fall protection system starts as a freestanding, column-mounted system, becomes a shed roof-mounted system, and then becomes a free-standing system again as the tracks begin to merge well past the far end of the shed. We call this a “Combo System.”

This long fall protection system was custom built with special vertical support columns, and was attached to the customer’s existing conveyor bridge to save cost.

This system has extra tall support columns. When additional vertical clearance is desired, our trolley rail systems can be mounted on columns up to 45 feet high.
Curved tracks? No problem! Note the raised “Ballard Base” on the nearest column - it protects the column nearest a traffic lane from inadvertent impact damage.

Our standard Vertical Support Columns are extra tall, allowing extra height clearance for obstacles like loading spouts. Tall columns also move the trolley beam up higher to improve user friendliness.
This special Single Point Hookup "SPH" system allows the worker to travel in a ten foot diameter range. Notice the extra long reach of the vertical support column on this custom-engineered system.

This worker is using a "Tug and Walk" procedure. A quick tug on the lifeline locks the retractable feature, and the lifeline may be used for vertical support while traversing a slippery vehicle.
Our patent-protected Td3 Truss-supported Trolley Beam System spans an incredible 100 feet between Vertical Support Columns. The benefit to our customers? Lower cost and fewer obstacles.

This system has a little bit of everything! Note the twin Vertical Support Columns, the attachment to an existing structure, and the Extra Long Reach Column at the far end of the system.

Our curved inserts and our ability to attach to existing structures offer convenience at affordable cost. Curved inserts allow the system to stay centered over a protected surface.
Notice the short total fall distance allowed by our trolley beam systems. This 240 pound man stepped off the platform seconds before this photo was taken. His fall distance? Less than 18"!
This twin system is installed at a chemical plant where truck maneuvering space is at a premium. The support legs for this system are 60 feet apart. Note the attachment to an existing structure, which reduces the equipment cost.

Our Trolley Beam Systems are so strong we can cantilever up to thirty feet past the last vertical support column on each end of the system. Benefit? Lower cost!
Typical Installations

There are two systems shown here, a twin 40 foot long system and a custom designed sixty foot long system mounted on the building steel.

This S6 System shows one style of our many Engineered Vertical Attachments used to support an S6 Fall Protection System.

This photo shows a close up of our patent protected T3 Integrated Truss and Trolley Beam Assembly design, the most popular fall protection system in America.
Custom attachments are used where limited space is available. FPS installed a horizontal leg and pinned it to the concrete structure to support these two fall protection systems.

This is a 60 foot long Twin T3 Fall Protection System with AR-2 Vehicle Access System. Note: The customer has saved mounting costs by running his product lines over the top of our truss assembly.

When tall obstructions interfere with the planned course of a fall protection system, the system may be interrupted to clear the obstacle. Note also that the Vertical Support Columns may be located on either side of the railroad tracks as desired.
This system displays the versatility of our S6 Beam style Fall Protection Systems. The curved "turnout" sections start at the worker's access entrances, with the coverage extending in both directions.

This is not an optical illusion! This "Combo System" runs several hundred feet long and passes uninterrupted through an existing shed. The first section of the system includes our patent-protected Model Td3 Integrated Truss Trolley Beam System supported by our standard Vertical Support Columns. As the system continues through the shed, it becomes an S6 Trolley Beam System supported by the existing shed support steel. The last span of uninterrupted coverage on the other side of the shed, measuring 110 feet long, is also Td3 which is supported by a single Vertical Support Column. Notice how the system turns to follow the curved tracks past the shed.
We have covered several plastics plants with our Td#3 Systems. This typical state of the art trolley beam fall protection system spans 460' of uninterrupted coverage using only five Vertical Support Columns.

Custom Mounting Supports are necessary when standard Vertical Support Columns are not practical. We design, build and install them when required.

Safety and Convenience are combined in this "Combo System" from FPS. Notice how we skirt around an obstruction, returning the course of the fall protection trolley beam to the center of the protected vehicle below in the shortest possible distance with our curved beam insert.

Try this with a Safety Cable System! Our Patented Triangular Truss Systems are capable of thirty (30') foot long Cantilever Distances, resulting in the need for fewer Vertical Support Columns and lower cost to our customers.
“AR Series” Vehicle Access Systems

There are several models in the AR Series, all of which include a slip resistant Staircase and Platform with Guardrails, and a spring-loaded lightweight Gangway. All AR systems include a platform and staircase available with durable high visibility “safety yellow” urethane paint or galvanized steel finish. Gangways, or Access Ramps, are typically made of corrosion resistant aluminum.

The Gangway may include a self leveling staircase or flat ramp, depending upon the inclination angle to the landing surface.

Model AR-1:
The most popular railcar and trailer access system in the industry! These systems are available in various heights to fit your particular application. The footing package supplied with the AR-1 kit includes a rebar cage with mounting bolts and requires a poured concrete footing. The pedestal is made of heavy duty tubular steel. AR-1 Vehicle Access Systems are available with left hand, right hand or straight ahead staircase access. Available installed or in Kit Form.

Model AR-1NP:
The Model AR-1 is also available in a version that attaches to your fall protection system and does not require a separate column and footing. Available installed or in kit form.

The Model AR-1 Access Platform System includes a heavy duty tubular steel Pedestal and lightweight aluminum Drop Down Ramp - Straight Ahead Staircase version shown, standard 90 Degree Left or Straight Ahead Staircase Versions also available.
Model AR-2 Twin Vehicle Access Systems:

A system including a Staircase and Platform with Guardrails and Drop Down Access Ramp. The Access Ramp (also commonly called a “Gangway”) includes Telescoping Fold Up Guard Rails and may be adjusted for "Down Position" level to make sure the Gangway "pops back up" a foot or so off the vehicle when the worker steps off. This will prevent the vehicle from destroying the Gangway if the worker inadvertently forgets to retract the Gangway before the vehicle moves away. The Gangway is also Spring Loaded to facilitate movement up and down.
Our Single Point Hookup Model SPH is 30’ high with a 30’ stainless steel self-retracting lifeline. Adding an AR-1 Vehicle Access System to the SPH makes it a Model AR-1SPH System.

AR-1SPH Spartan Total Vehicle Access System

This all-inclusive system includes an SPH system, including a Vertical Support Column with Anchor Point and Self-Retracting Weather Resistant Stainless Steel Lifeline, Carabiner and Harness, as well as an AR-1 Vehicle Access System with Staircase, 3’ x 5’ Work Staircase and Platform, Handrails, and Gangway. This system provides an exceptionally high level of safety while accessing a single vehicle. To achieve maximum safety while using this system, a worker must hookup to the fall arrest system before stepping onto the vehicle. (no photo shown)

AR-1SPHSC Spartan Total Vehicle Access System

The System includes all the features of the AR-1SPH above plus an additional Gangway mounted Safety Cage and Handrail System. This system is primarily used for access to tanker vehicles. Please note that the safety cage does not provide total compliance with OSHA regulations unless the overhead fall protection system is also utilized, since workers may still be able to slide off the vehicle underneath the vehicle’s existing crash box handrail system. (no photo shown)
AR-20, AR-40 and AR-60
Spartan Total Vehicle Access Systems

The Spartan AR-20, AR-40 and AR-60 Systems include all the features of the AR-1 Vehicle Access Systems plus a patented Truss-supported Trolley Rail Style Fall Protection System.

MODEL 20 PROVIDES 30 FEET OF COVERAGE FOR UP TO 2 WORKERS
MODEL 40 PROVIDES 50 FEET OF COVERAGE FOR 1 WORKER
MODEL 60 PROVIDES 64 FEET OF COVERAGE FOR 1 WORKER

All three models include only one heavy duty Vertical Support Column while providing a low cost solution to many smaller plant locations. These systems are available installed by Fall Protection Systems, Inc. or in Kit Form. Kits include all mounting hardware plus rebar footing cage and detailed instructions for installation.

Model 20T Twin Fall Protection System
Model 40T Twin Fall Protection System
Model 60T Twin Fall Protection System

These two Dual Fall Protection Systems are both Model 20T Systems, and behind each system is an AR-2 Dual Vehicle Access System. These 20T and AR-2 Systems are also available in a combined integrated version we call Total Vehicle Access Systems. Mounted on a single extra heavy-duty column, they include the Model AR-20T, with two twenty-foot trolley beams providing two full thirty foot spans of effective fall protection; Model AR-40T (providing up to 50 foot spans of effective fall protection), and AR-60T (providing up to 64 foot spans of effective fall protection). Note: Add five additional feet past each end of the trolley rails to determine the full range of effective coverage!
Ramps and Gangways

Our solutions to fall protection applications don’t end with fall protection systems. We also address safe access to these vehicles. Our complete line of Staircases, Ramps, Gangways and Service Platforms is geared toward simple low cost access solutions. We also offer Heavy-Duty Portable Roll-around Staircase Access systems with oversized tires and extension staircases. Larger projects requiring custom designs begin with a free on-site engineering evaluation at your facility. Custom design engineering, manufacturing, and field installations are coordinated through to installation by our experienced field engineering personnel, providing our customers with one source to deal with that has full responsibility for their projects.

Gangway with Self-Leveling Staircase Model GSL-1

The Model GSL-1 Gangway is a Gangway that includes a built-in Self-Leveling Staircase with Telescoping Handrails. The "down staircase" shown below telescopes to become a flat ramp as the system is raised to a perpendicular (horizontal) position, and becomes an "up staircase" as the system is raised above the horizontal plane. This system is particularly well suited to applications that require access to vehicles of varying heights. Protective Safety Cages also available. Field installation or kit packages available. Specify ramp length and width required.

Pivoting Gangway Model PG-1

The PG-1 Pivoting Gangway may be mounted onto an existing platform or included with a new platform from Fall Protection Systems. The Pivoting Gangway may be selected for applications where the vehicle being accessed does not land in the same location each time. This Gangway may also be used to access either of two or more walkways that travel in different directions, while allowing the Gangway to be raised up and out of the way. This model also includes a Retractable Extension to increase the forward reach of the Gangway in the horizontal position. Notice the round, heavy-duty "Socket Pivot" on the front face of the platform on which the Gangway pivots.
Sliding Gangway Vehicle Access System Model SG-1

The Sliding Gangway Vehicle Access System Model SG-1 provides excellent versatility at an affordable price. Notice the heavy-duty steel Slide Mounting Track just below the handrails at the rear of the Gangway Base. When vehicles are located anywhere within the range of the Sliding Gangway, the Gangway may be easily moved onto or over a convenient vehicle access location. The built-in Safety Cage shown is designed to protect the worker by extending the height of the vehicle’s Crash Box in compliance with OSHA fall protection requirements while the worker is atop the vehicle. This flexible, durable system includes heavy duty Roller Bearings on the Variable Length Slide (specify length desired, 10 foot slide length shown). The optional Aluminum Safety Cage shown here is available in various sizes to meet your application requirements. Available installed or as a Kit.

Canopy Plus!

Vehicle Access Systems

Your workers will love our Canopy Plus! Systems. These Self-Contained Vehicle Access Systems Packages provides convenient protection from bad weather and ultraviolet light in addition to safe access to vehicles. A galvanized steel Staircase, Walkway and Handrail System deliver the worker to the loading station where any of our various Gangway Systems may be utilized. Discuss this system with our engineering department for a detailed proposal.
Hydraulic Tanker Trailer
Caged Vehicle Access System

The Descending Hydraulic Ramp provides easy access and the Aluminum Safety Cage ensures safety when accessing tankers with our Hydraulic Tanker Trailer Caged Vehicle Access System. These systems are convenient, durable and practical for Tanker Trailer loading and unloading applications.

Custom Designed
Vehicle Access Systems

Want a custom designed system for your vehicle access stations? We build hundreds every year. For a free site survey and consultation with a field site survey expert, call for an appointment. We'll discuss your requirements and offer a proposal for your consideration.

Model G-1 Gangway

Our Gangways have telescoping handrails, and feature lightweight aluminum construction. A counterbalance spring makes raising and lowering very easy.
Portable Vehicle Access Systems

Our Portable Vehicle Access Systems roll up to the vehicle with ease on their 18" diameter pneumatic tires. This system is man-rated for one worker weighing up to 500#. The system is so well designed that a 500# man may raise the system up to its full available height and walk out to the end of the platform without concern for the system wobbling or tipping over. Includes Safety Wheel Locks, Manual Winch to raise the Slip-Resistant Staircase, and a rugged 4’ x 6’ welded Aluminum Safety Cage. Two versions are available to approach vehicles from either the front or side of the vehicle. (Side access version shown)

Staircase Crossover Bridges

Staircase Crossover Bridges are available in various materials of construction to suit your application requirements. Our Crossover Bridges include Slip-Resistant Stair Treads and durable welded Side Protective Handrails. Specify construction materials required, height, length, width, and space limitations for a complete proposal.

To demonstrate a fall arrest with our Trolley Beam System, this 250# man intentionally stepped off the rear of the car backwards. As you can see, his fall was arrested in less than 18".
**Climbing Down Railroad Cars Is Dangerous!**

The first step down is one of the worst. Most people have to kneel on the top of the serrated metal walkway (ouch!), grip the horizontally mounted ladder rung on the top surface of the walkway, pronate, and lower themselves down backwards onto the vertical ladder rungs on the rear of the car. (above)

Descending the middle rungs is easy, assuming they are not ice covered. (above)

Once the last ladder rung on the rear of the car is reached, many workers carelessly jump to the ground, which is well over two feet down, sloped, and typically covered with large rocks. Many knee, foot and ankle injuries are caused by this practice, including falls. There are even documented fatalities from falls off this rung. (above)

The proper procedure is to shift around 90 degrees to the left and finish descending the last one or two steps. (above)

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**Safety Warning! Safety Cages May Not Provide Adequate Protection!**

While this system may appear to provide a reasonable amount of protection for a worker traversing this tanker vehicle, a potential fall hazard continues to exist between the guardrails and the top of the vehicle. Caution should be exercised when selecting Safety Cage enclosures for fall protection applications. Recommended Solution: Provide a lifeline tie-off as well.
Custom Light Packages

LIGHT UP YOUR WORK AREA FOR NIGHTTIME EFFICIENCY AND SAFETY!

Custom Light Packages are available for installation on your fall protection system. These highly efficient 400w or 1000w HID lighting fixtures provide maximum lighting with a wide horizontal spread of light. Durable, weatherproof construction features include a rugged one-piece cast aluminum housing with an impact resistant thermal shock-resistant glass lens, and a hinged access door for easy bulb replacement.

Lighting fixtures may be powered by 120VAC, 208VAC, 240VAC or 277VAC service. High Pressure Sodium Bulbs are offered for extremely low temperature service areas (as low as -40F startup temperature).

Metal Halide Bulbs are recommended for normal service areas (as low as -20F startup temperature).

Sold in pairs. Suggested mounting position is located on the horizontal arms of vertical support columns. Available installed with a new system, or as a kit. (Requires drilling and tapping for mounting hardware). Mounting Brackets and Safety Strap are included. Field installation by our crews is available only when ordered with a new fall protection system. NOTE: Field installation by FPS does not include conduit wiring and electrical service hookup.
Additional Products and Accessories:

We offer a full range of Lighting Packages, Safety Harnesses, Self-Retracting Lifelines, Carabiners, Ladder Climbing Safety Systems, Fall Restraint Systems, Rescue Retrieval Systems, etc. Please call us to discuss your requirements.

"Web" style self-retracting lifelines are commonly used to support the worker indoors. Stainless steel lifelines are always used outdoors.

Carabiners attach self-retracting lifelines to the Fall Protection Trolley.

FOR YOUR PROTECTION AND COMFORT
The Lightweight Full Body Harness is available with Adjustable Leg Straps for added comfort. Several styles are available.

The Model FPS 3000 Trolley from Fall Protection Systems, Inc. has been designed for use on an approved trolley beam as part of an engineered fall protection system.
INSTALLATION

Most of our competitors subcontract their installation work. Some stretch the truth, claiming that their own people will do the installation, until you issue an order and an inexperienced subcontractor shows up at your door asking you for guidance on how to install the system. Some insist on sending out an overseer at your expense to supervise your installation. Our employees do 100% of our installations...from the boring of the footing holes to the pouring of the concrete, and from the erection of the vertical support columns to the laser leveling of the trolley beam assembly. Because you put your faith in us to do these installations correctly, we assume full responsibility for the entire package.

We save you money by doing it all ourselves. Because we are the industry leader, we do more system installations than anyone else in America, and that lowers our mobilization and transportation costs. Chances are we'll also be installing systems at the same time for several of your neighbors. The mobilization savings we typically enjoy are already factored into our proposal. There are no middlemen, each trying to make a profit. Best of all, you have one company to call if anything doesn't meet your satisfaction. We take full responsibility!

WHAT'S THE BOTTOM LINE?
WHAT'S THE WARRANTY?

Because we can offer the best system available and control the complete installation, we also offer the best warranty in the industry at FIVE YEARS! Compare our warranty, your true cost of installation, the value of the best and safest system available, and we think you'll agree. There is no better value in the marketplace than the industry leader, Fall Protection Systems!

ALL FALL PROTECTION SYSTEMS PRICES INCLUDE A FREE PROFESSIONAL TRAINING VIDEO TAPE AND A FULL DOCUMENTATION PACKAGE TO SATISFY THE LATEST OSHA REQUIREMENTS.

Your employees may be trained and certified by our professional instructors as “approved users” with the purchase of any Fall Protection System from FPS, Inc. With our Video Training Program (provided free with every system), your Safety Manager is trained to teach your personnel the principles of fall protection usage and receives credentials as a Certified Fall Protection Systems Training Instructor. Each trained employee receives a free personal training manual.

REQUEST FOR AN EVALUATION OR QUOTE?

If you are considering a Fall Protection System, we will provide a free detailed analysis of your facility and recommend the right system to satisfy your needs.
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