

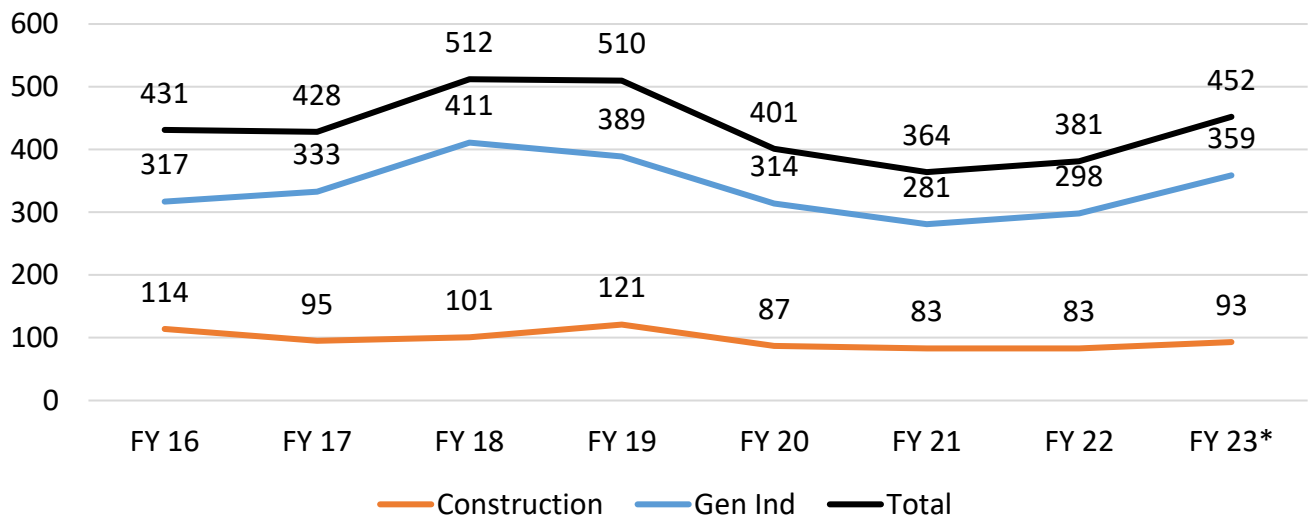
FY 2023 SE TX Construction Serious Incident Report (SIR) Estimates* (v1 Oct 2023)

In Fiscal Year (FY) 2023 there were about 452 Serious Incident Reports (SIRs) to the SE TX OSHA offices versus 381 SIRs the previous year. SIRs incidents include cases of hospitalizations, amputations, and loss of an eye. Of the 452 reports, 359 were in general industry (versus 298 in FY 22) and 83 (same as FY 22) in construction. Let's work together to send every worker home safe at the end of the day.

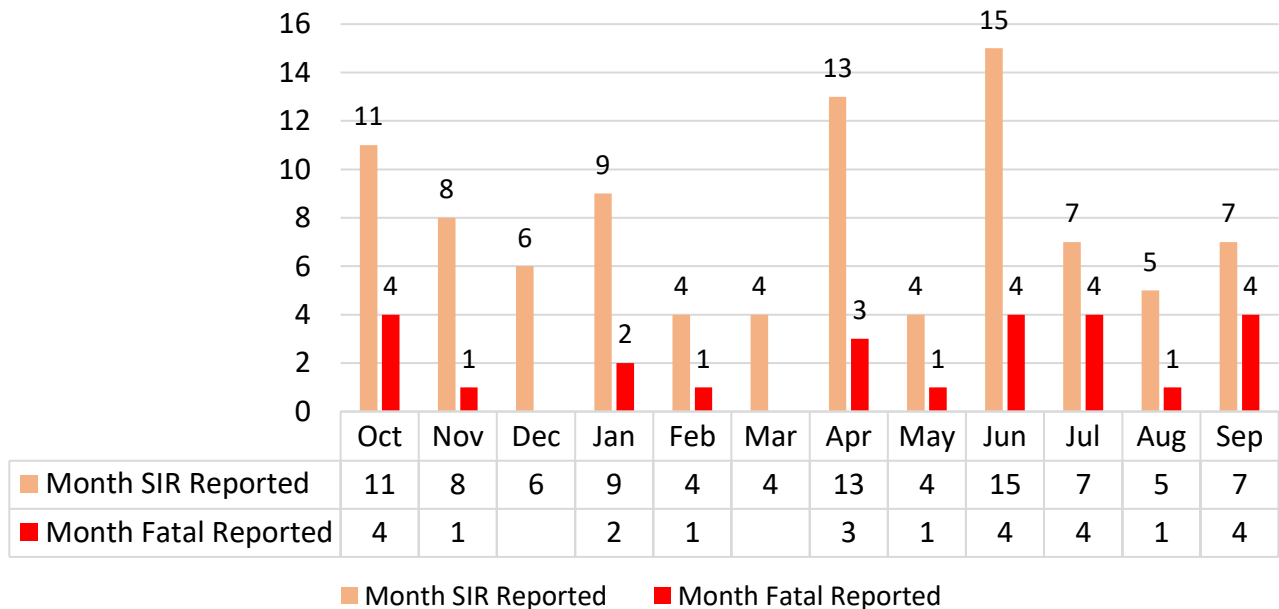


Of the 93 construction SIRs, 81 were hospitalizations and 13 were amputations. 1 amputation required hospitalization, so they were technically counted twice. $81 + 13 - 1 = 93$

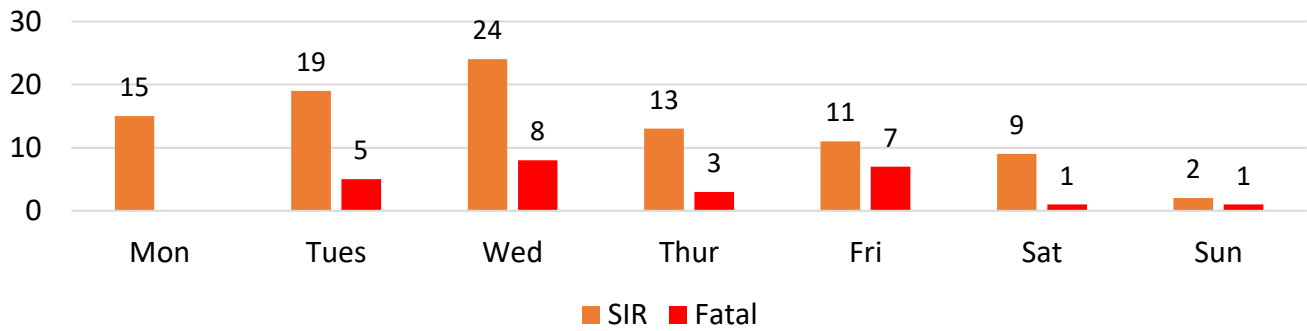
FY 23* SE TX SIRs by Gen Industry and Construction



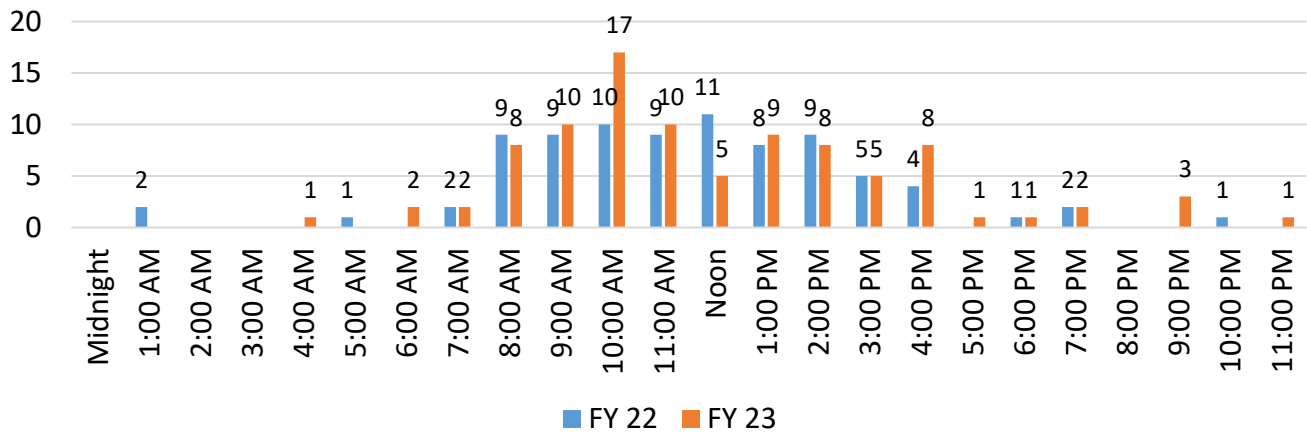
FY 23* SE TX Construction SIRs vs Fatal Incidents by Month



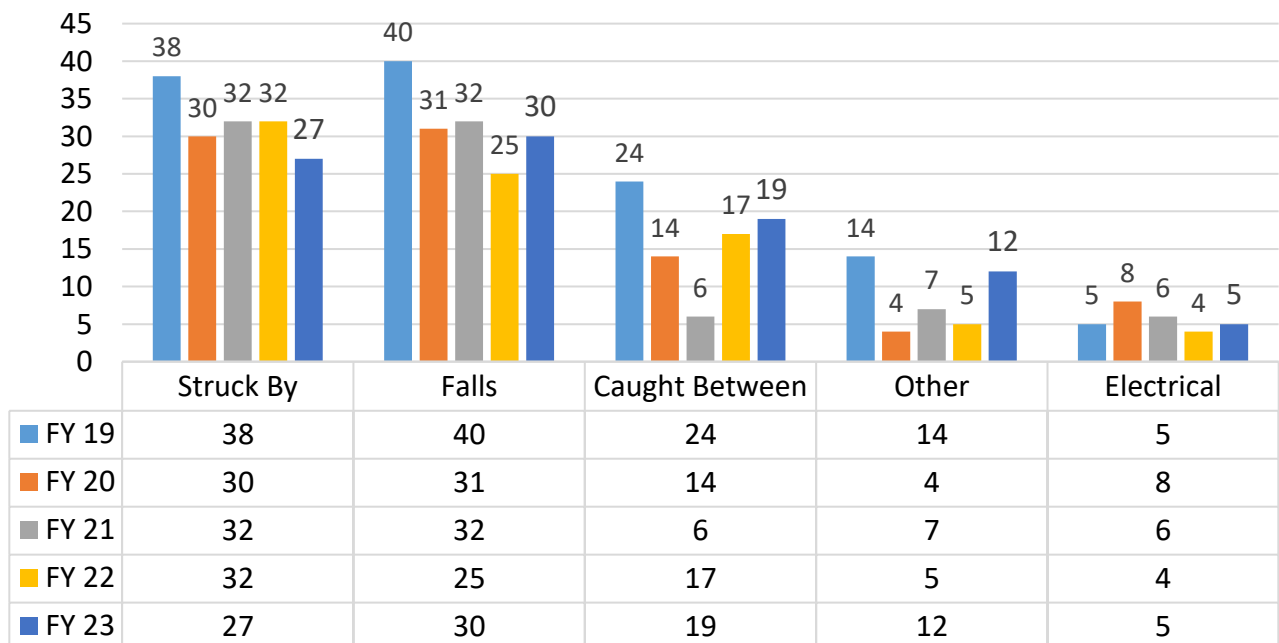
FY 23* SE TX Constuction SIRs vs Fatal Incidents by Day of the Week



FY 23* SE TX Construction SIR Incidents by Hour



FY 23* SE TX Construction SIRs by Focus Four



SE TX Construction SIRs by Events FY 23* vs FY 22

SIRs by Event	FY 22	FY 23
Caught between stationary and moving equipment or objects	8	10
Struck by falling object or equipment	10	9
Exposure to heat - environmental	3	6
Fall lower-level ladder	8	6
Entangled in running equipment or machinery	2	5
Fall lower-level structure or equipment	3	4
Fall through surface	1	4
Struck by blade/knife/sharp object	2	4
Struck by flying object	1	4
Caught between moving objects or equipment	4	3
Fall lower-level roof	2	3
Fall lower-level scaffolding		3
Struck by moving object or equipment	10	3
Caught between stationary and falling equipment or objects		2
Electric shock power lines	1	2
Fall lower-level building	2	2
Fall lower-level pit/hole	2	2
Fall lower level through roof opening	1	2
Fall on same level	3	2
Insects, snakes, animals		2
Struck by shifting load or equipment		2
Struck by tool	1	2
Arc flash	1	1
Body movement		1
Electric shock		1
Electrical burns	2	1
Exposure to cold - environmental		1
Fall lower level moving vehicle		1
Fall lower-level nonmoving vehicle		1
Infection		1
Pressure wave		1
Struck by rolling object or equipment	2	1
Unknown		1
Burns chemical	1	
Burns hot liquids	1	
Caught between stationary equipment or objects	1	
Excavation cave-in	2	
Fall lower-level elevator shaft	1	
Fall lower-level stairs	2	
Struck by powered vehicle	5	
Struck by swinging load or equipment	1	
	83	93

SE TX Area Construction SIR Reports by NAICS Code FY 23* v FY 22

NAICS	Industry	FY 22 SIRs	FY 23 SIRs
237310	Highway, Street, and Bridge Construction	11	9
237130	Power and Comm Line and Related Structures Construction	1	8
238220	Plumbing, Heating, and Air-Conditioning Contractors	7	8
238990	All Other Specialty Trade Contractors	5	8
238210	Electrical Contractors and Other Wiring Installation Contractors	7	7
238310	Drywall and Insulation Contractors	3	7
237110	Water and Sewer Line and Related Structures Construction	6	6
237990	Other Heavy and Civil Engineering Construction	9	6
238160	Roofing Contractors	5	5
238120	Structural Steel and Precast Concrete Contractors	7	4
238130	Framing Contractors	1	4
236210	Industrial Building Construction	1	3
237120	Oil and Gas Pipeline and Related Structures Construction	1	3
236115	New Single-Family Housing Construction	1	2
236220	Commercial and Institutional Building Construction	7	2
238140	Masonry Contractors		2
238910	Site Preparation Contractors	3	2
238110	Poured Concrete Foundation and Structure Contractors	6	1
238150	Glass and Glazing Contractors	1	1
238290	Other Building Equipment Contractors		1
238320	Painting and Wall Covering Contractors	1	1
238330	Flooring Contractors		1
238340	Tile and Terrazzo Contractors		1
238350	Finish Carpentry Contractors		1
		83	93

FY 23* SE TX SIR Incident Narratives by Event

Arc flash

- An employee received an electrical shock and burns while servicing conductors inside an underground residential distribution transformer. He touched an energized elbow probe with his bare hands causing an arc flash and received an electric shock and burns to his face, hands, and legs.

Body movement

- Employee was walking on a concrete sidewalk and felt a pop in his leg. He was taken to the hospital and diagnosed with a broken femur. The employee had metal hardware in his femur from an automobile accident a few months before this incident.

Caught between moving objects or equipment

- Employee was breaking drill pipe out of the well. He was holding backup tongs when the pipe unexpectedly rotated catching his finger between the slip handle and chain tong handle. The tip of his finger was pinched off inside his glove. Glove was removed and blood was observed. He was taken to the hospital where it was

determined that the incident resulted in a partial amputation of the tip of their right ring finger at the fingernail.

- A crew was tasked with excavating a ditch in order to lower in the next section of pipe. Later that morning the crew was getting ready to place the 10th piece of road plate for the that day in its place. There was one operator in charge of bringing the road plate to the ditch and setting it in place. As he was lowering the road plate in the excavation, one side of the road plate began to move away from the spot that it needed to be in. Because of the precise location that the plates needed to be in, labor hands were manually guiding the plate. One of the employees that was manually guiding the plate to the opposite side of the plate began to move out of place. He ran from the side he was at to the other side that was moving to try and push it back. At the same time, an operator that was assisting reached over the road plate into a blind spot with his bucket to try and move the plate into place as well. The employee was on the opposite side of where the operator was and was not visible to the operator reaching over the plate. The employee was pinched between the bucket and the road plate. He was care flighted to the hospital for fractured neck bones
- Employee was in the process of securing two pipes on a band saw and while activating the pressure switch, he had placed his right hand between the first and second pipe. The two pipes rolled together resulting in an avulsion to the right index finger, amputation of the fingertip on right middle finger and distal fracture of another finger.

Caught between stationary and falling equipment or objects

- Employee was getting ready to assist the team in installing the chute to the concrete bucket. The supervisor was giving the signals to the operator. The operator saw that the concrete was uneven. The supervisor signaled to swing, but the operator cabled down instead of swinging to settle the concrete. The base rim of the concrete bucket came down on the supervisor's left foot causing a laceration and fracture to the left little toe and laceration of left fourth toe.
- After leaving the sampling lab at the water processing facility, the employee was driving a side-by-side utility vehicle at a high rate of speed in reverse. The utility vehicle flipped over on its side resulting in a broken right arm and a laceration to his left hand.

Caught between stationary and moving equipment or objects

- Employee was working on a manlift putting down plywood forms and got his left hand middle and ring finger caught between the manlift and plywood when the plywood hit the cage causing an amputation of the middle and ring finger fatty tissue.
- Employee was trying to adjust a wire spool on the fork when a second employee reached in to adjust the cribbing. The spool shifted, pinning her right hand resulting in a right index finger amputated and right thumb fractured.
- Employee is a concrete roller paver operator and was cleaning the carriage of the machine. He raised the lever for the carriage and smashed his right hand between the carriage and frame.
- Employee was inspecting a bridge from an aerial lift bucket and caught his hand between the bridge and the bucket causing an amputation to the tip of his thumb.
- Employee completed a job and was returning to the operations control room to sign out of the unit. After completing his sign out, he used his right shoulder to push open the door and exit the building. As he exited, the door closed faster than anticipated and pinched his left middle finger between the door and the frame causing a fingertip amputation on his left middle finger.
- Employee was raising dredge screen, and his thumb was caught between a handrail and the dredge box resulting in an amputation of the right thumb tip.

- While assembling a 3-part composite power pole approximately 60' in completed length, an employee stuck a finger in a bolt hole to align the sections and the apprentice helper pushed the sections together trapping the employee's finger. His right middle finger was amputated at the middle knuckle.
- Due to a lightning alert, the employee was storing tools inside a metal job box inside a work trailer. He rested his right hand on the edge of the box and the lid of the box closed on his hand partially amputating the right pinkie finger.
- An employee was using the hydraulic press to make a polymer product. He needed to flip the mold 180 degrees. He moved the cylindrical mold from a vertical position to horizontal position. He then attempted to lift the mold back into a vertical position so that the bottom was now the top. While lifting the 80–100-pound mold it slipped. He tried to catch the mold but ended up having his finger between the mold and the bottom of the hydraulic press platform smashing it. He did not use a flipping tool that he was trained to use for flipping molds.
- Employee was loading fittings into the back of his vehicle when a fuel truck backed into him pinning him between the two vehicles causing a fractured hip.

Electric shock

- A construction laborer was assisting in setting up a protective liner along a fence line in the football field track area in order to prevent overspray from the field. When they extended their arm out to gain support on a stadium light tower, he was shocked by electricity from a shorted out electrical panel. He fell to the ground and was in and out of consciousness while receiving aid. Admitted to the hospital for electric shock and a bruise to the right face.

Electric shock power lines

- Two employees were in a manlift installing cables on a small cellular communication pole 14' 6" from power lines. A cable came in contact with the powerline, and they were shocked and received flash burns. They brought the manlift to the ground and called 911. One employee was life flighted to the hospital and the other was transported to the hospital by ambulance.
- Employee had been installing steel on a structure and got back into to the aerial lift basket to go back to the ground level. He swung the basket towards and against nearby electrical overhead lines and made contact with the live lines receiving an electrical shock and burns.

Electrical burns

- Employee was in an aerial lift washing a tank to prepare it for painting when they struck an overhead powerline. They suffered severe burns throughout the body.

Entangled in running equipment or machinery

- Mechanic was adjusting the tunnel machine's conveyor belt scraper. Once he completed tightening the scraper, he began to move out and a signal was given to the operator to turn the belt on. As the conveyor belt came on it caught the mechanic's hand as he was leaving his work area crushing his right fingers.
- While removing a section of chain that restrains an air plug which is inserted into the flexible pipe as part of the process, the chain became hung up as the take up reel was rotating. The employee tried to untangle the chain while the wheel was rotating instead of waiting for the reel rotation to be stopped. He suffered an amputation to the tip of the right thumb.
- Employee was trying to get concrete out of the hopper side and another employee did not see him and turned the auger on. His left leg was caught in the auger resulting in a left leg amputation.

- Employee was using a lathe which caught one of his gloves and twisted his left arm causing multiple fractures to his left arm.
- Employee using the hose of a vacuum truck to vacuum up oily water got his hand sucked into the vacuum hose causing rhabdomyolysis of the hand/arm injury requiring hospitalization.

Exposure to cold – environmental

- Employee was at work site and said his back was getting stiff in the cold and requested to go home. He was later admitted to the hospital with back-related injuries.

Exposure to heat – environmental

- Employee was working outside and suffered heat exhaustion and was taken to hospital.
- Employee was working in the pole yard and suffered heat exhaustion.
- Employee was digging a hole with a post hole digger to set a new distribution pole in a backyard. He started to feel ill. They had him go to the truck to cool down and called the company paramedic. After the arrival of the paramedic, the paramedic called an ambulance to take the employee to a nearby emergency room. The ER administered IV fluids and the employee was admitted to the hospital. Suspected heat related illness.
- Employee was performing construction related activities and got overheated. Suspected heat related illness.
- Employee was cramping and overheated on the worksite. They made multiple complaints about cramping and was put on numerous breaks during the timeframe. Later the same day, they cried out for help due to the cramping. 911 was called and an ambulance took them to the hospital. Heat related illness.
- A foreman noticed an employee working on an electric pole was fatigued asked him to stop work and rest inside a truck. The employee was given Gatorade, water and was monitored and declined medical assistance. Later in the evening after working hours, the employee was driven to the hospital and was admitted for heat exhaustion.

Fall lower-level building

- Employee was stacking material and fell from a second story balcony that was missing handrails injuring his right leg.
- Employee was installing plywood on the third floor of an apartment complex. He was moving from one point to another, therefore, disconnected himself from his lanyard and tripped. He fell from the third floor of an apartment complex and suffered fractures to his right leg, left arm and 2 vertebrate fractures.

Fall lower-level ladder

- An employee was on a 4' step ladder outside of the blast booth in the powder plant and fell off the ladder onto the concrete suffering a head injury.
- Employee was climbing down a ladder when his foot/leg was caught on a welding lead that was hung up on one of the rungs. As he tried to untangle himself from the welding lead, he lost his footing and fell 12'-15' to the floor below, breaking his pelvis.
- A service technician mis stepped while climbing on the fixed ladder and fell approximately 5' to 6' and suffered some broken ribs and bones in his back.
- Employee was tightening tarp tie-downs from a ladder and slipped off the third rung of the ladder and fell to the ground. Employee landed on his right foot and suffered a broken leg, broken wrist, and fractured back.
- Employee was carrying his tools and gauges while climbing up a roof access ladder. He fell approximately 14' to 15' feet from the roof access ladder and broke his leg above the ankle.
- Employee was climbing a structural fixed ladder and fell fracturing their elbow and wrist.

Fall lower level moving vehicle

- A non-operational 3-wheel personnel scooter was being towed in the parking lot when the employee steering the scooter fell off and fractured their right leg and ankle.

Fall lower-level nonmoving vehicle

- Employee was climbing down from work truck and fell, scraping their leg on a steel drum.

Fall lower-level pit/hole

- Employees were tasked with changing out some hoses in a loading rack. They were gathering parts and changing out the cam lock fittings in preparation to change out the hoses. One employee went over to the west side of the loading rack and accessed the working platform and fell through the open grating receiving a head injury.
- Employee was guiding a backhoe and at some point, the operator lost eye contact with the employee, and someone yelled at him to stop the backhoe. At the same time the employee tried to get out of way of the back of the backhoe and leaned on a handrail that was around the underground tank they were building. The handrail did not support the employee and he fell approximately 10' to the bottom of the tank injuring his spine and left hand.

Fall lower-level roof

- Employee fell from a roof while installing roof insulation and broke his right wrist and left elbow.
- Employee was measuring on a roof and stepped backwards and fell approximately 4' to a lower level suffering a rotator cuff tear in three places.
- Employee was installing solar panels on roof of a two-story new construction home and slid off and fell to the ground. He was wearing fall protection, but it did not engage.

Fall lower-level scaffolding

- Employee was working on a scaffold platform cleaning grout and fell off the scaffold platform injuring his leg.
- Employee was removing baffle plates from a tower in facility and were moving to an upper level on the scaffold. He lost his footing a fell 8'-9' to lower level, breaking five ribs on his right side and internal bleeding on the kidney.
- An employee working from a scaffold fell and received minor cuts, lacerations, and bruises.

Fall lower-level structure or equipment

- Employee was entering the mini track hoe to get his inspection book. He accessed the mini track hoe from the front of the machine where the push blade is located to enter the cab door. The hoe was parked on a slight incline and the employee had to stretch to enter the cab. When they stretched to reach the handles, he slipped, lost his balance and fell. He landed on his left rib cage area on top of the push blade. He was taken to an occupational medical clinic to be evaluated for any injuries. X-rays were taken and he was seen by a medical professional. He was released and told that there were no broken bones or any other medical conditions. We were told that he would be sore and have some bruising. They then returned to work. He left work early due to the rain and upon returning home, his pain had increased, and he was not feeling well. He was taken to an ER by his wife. A CT scan was completed, and he was found to have 3 fractured ribs and a punctured lung.

- Employee was changing out bolts on a two-hole splice plate of an erected steel beam after hammering in a bull pin to remove the first bolt. After removing the second bolt, the bull pin dislodged causing the beam to fall. He fell off the beam and his fall protection lanyard slid off the beam and he fell approximately 20' onto a pipe spool fracturing his left clavicle, left wrist and lacerations above his left eyebrow.
- Employee was installing fiberglass decking on the upper level of the framework. He was wearing fall protection equipment but was not tied-off. He fell 13' to the concrete surface below and suffered head and neck fractures.
- Employee was working on the second floor installing materials with stilts and fell to first floor fracturing his left wrist and received a concussion.

Fall lower level through roof opening

- Employee was removing roofing debris from roof of a commercial retail center and fell approximately 9' - 12' to the concrete surface below through a 5' X 7' hole in the roof decking injuring his back.
- Employee was reportedly looking for an anchor point while installing decking and fell through a roof opening approximately 17'. He suffered four fractured ribs on the right side, a laceration to the back of his head, and two vertebrae fractures.

Fall on same level

- Employee was removing tee post from the ground when he lost his balance, tripped, and fell on his left arm fracturing the left elbow.
- Employee was lifting rigging equipment when a 3-ton capacity chain fell off a peg (hook) from a height slightly above an employee's head. He lost his balance and fell on his left side fracturing his left femur.

Fall through surface

- Employee was waterproofing the roof of a newly constructed building. As he was walking, he stepped onto a piece of plywood that was a part of a hatch that was not secured. He fell 6' - 8' feet and landed onto a catwalk fracturing his left ankle and heel and puncture wound.
- Employee was standing on an R panel roof spraying water on the roof to wash the pollen off. The panel was not completely fastened to the C panel and he fell through the roof and landed on a barbeque pit sustaining two fractures in his back.
- Employee was running conduit and wires through an attic of a residential home to install solar panels. He was traversing the rafters and mis stepped. He stepped in between the rafters and fell through the sheetrock approximately 20' suffering a fracture of the right elbow.
- A service technician fell approximately 15' through the first-floor sheetrock ceiling of a residential home while diagnosing HVAC issues injuring his back.

Infection

- Employee stepped on a nail while on the jobsite and later went to the emergency room and was admitted for an infection in his foot.

Insects, snakes, animals

- Employee was mowing property on a z-rider mower and was attacked by bees. He ran to the front of the property and was hosed down with water to try and get the bees off. He was stung 30 to 50 times at least. He was given medication and kept overnight for observation.
- Employee was opening a water faucet valve at the facility and was stung by a wasp and experienced a severe allergic reaction.

Pressure wave

- Employee was refilling the abrasive blast pot with grit and when he opened the pressurized pot lid, it depressurized resulting in fractures of the neck, eye socket and head.

Struck by blade/knife/sharp object

- Employee was moving plywood, and a nail pricked his right hand. He was wearing gloves. He went home and called his supervisor to report that he was going to be heading to the hospital due to pain and swelling of his hand. He was admitted and a small incision was done by the doctor to relief puss.
- While cutting wood for a walkway with a hand saw, an employee cut his left index finger through his work glove. The finger was cut behind the knuckle and he was admitted to the hospital for surgery because it cut a tendon.
- Employee was cutting wood with a circular saw and cut their left thigh resulting in transportation by ambulance to the hospital.
- Employee was ripping a 3" wide board into a 2" wide board on a table saw. While positioning the wood on the table saw for a cut their index finger was struck by the rotating saw blade partially amputating it.

Struck by falling object or equipment

- Employee was using a grinder to cut metal, which broke off and cut his hand.
- Employee was working inside a 12' deep excavation with three benches grading the bottom of the excavation to install pipe when the first bench at 4' collapsed. Vibration from the traffic caused the type B soil to slide hitting him at the knee/calf. He tripped and fell to the second bench and hit his shoulder fracturing it.
- Four employees were working in the company yard removing signal poles from a trailer. Each pole is 50' long and weighs 3,000 pounds. A forklift operator was removing a pole, and it was not balanced on the forks. The pole fell off, landing on the legs of an employee that was working from the ground. They were transported to the hospital with two fractured legs and a dislocated shoulder.
- Employee was working on the sidewalk clearing around the brick column fences. The mortar of the bricks came apart and the top half of the column fell on top of his left leg fracturing his femur.
- Employee was checking transmission hardness under a work truck on stands to install a drive axle. Another employee turned on the ignition of a nearby tractor causing a sudden start of the tractor which moved forward pushing the work truck off the stands. The employee under the stands was crushed and suffered fractures to the jaw, hand, collar bone and back.
- Two employees were holding a wall in a standing position when both employees released the wall and walked away to get their air guns. The wall fell on top of one of the employees who suffered a severe blow to the back left side of his head.
- Employee was replacing a plate of glass in a broken window and as he was pulling it out, a large shard of glass became dislodged and fell down his left arm down to his left foot. He received a laceration to the left arm and left toe requiring surgery.
- Employee was moving sheet rock with a sheetrock dolly when the sheetrock hit a wall. The sheetrock tipped over and fell on their leg fracturing the right tibia and fibula.
- A warehouse employee was prying off a sheet panel from an A-frame holder to get it prepared for the forklift. While doing so, the sheet panel behind it fell forward onto them. The sheet is 64" x 127" and weighs approximately 359 pounds.

Struck by flying object

- While conducting highway lawn maintenance and was wearing the required C87 eye protection. They received dust and debris in the left eye from a co-worker that was using a leaf blower for a final clean. They suffered a congenital hemorrhage.
- Employee was removing a chained link fence when a guide wire tip struck him on the face causing a small abrasion to the face on the side of the nose, close to the eyelid.
- Employee was using a nail gun when a nail ricocheted back striking them in the neck resulting in a hospitalization.
- Employee was struck in the eye by a nail while hammering.

Struck by moving object or equipment

- A forklift operator was delivering rebar and could not fit through the delivery gate. The load was raised in order to clear the gate, causing the load to tip the forklift forward. The employee's hard hat contacted the upper roll cage, and he suffered a vertical neck fracture.
- An employee was injured when she was struck-by a sheet rock dolly moving a load of sheetrock causing a fracture to her right lower leg.
- Employee was pulling a flat cart loaded with material from jobsite. When he reached the ramp going down to the lower level of the dock, the material's weight shifted forward and he lost control of the flat cart. He was pushed into a wall at the bottom of the ramp with the weight of the material against his upper body causing a small cut on bridge of nose and back of head and 3 hairline fractures.

Struck by rolling object or equipment

- A rigging crew was in the process of installing structural steel beams from a staging area into the pipe rack. The crew used the crane to stand the beam onto the connect plates and then made adjustments to the wire rope rigging. The structural beam became unstable and rolled towards the employee striking him on both legs beneath the knees fracturing them just above the ankles.

Struck by shifting load or equipment

- Employee was assisting a forklift operator move a steel joist. The steel joist became stuck by the forklift tire. As the forklift started to move, the joist shifted and struck the employee's right leg fracturing it.
- Employees were staging I-beam supports for new construction and as the forklift was setting it down it shifted and struck an employee in the left foot and shin causing an open fracture.

Struck by tool

- Employee was using a crowbar to adjust the shims on a crawler crane drive track. While holding a track shim in place with crowbar something moved causing the crowbar to strike and puncture his chest.
- Employee in the fabrication shop was using a sledgehammer to adjust a metal I-beam. When the employee struck the I-beam with the sledgehammer, his left pinky finger was pinched between the edge of the I-beam and the sledgehammer causing an amputation of his left pinkie fingertip.

Unknown

- Employee hurt his leg.

*Disclaimer: Preliminary information – The OSHA Fiscal Year (FY) runs from Oct 1 through September 30. Incidents are logged or recorded in various mediums and reports generated using various criteria. The incidents are reviewed as best as possible based on available information. Late reporting, natural causes which may have generated an initial report, and other factors may affect the overall numbers over time. Some incidents may end up not being work related. Once medical determination is made the information will be updated SE TX data is edited to determine an estimate of incidents under OSHA jurisdiction and may change over time as records are updated. Narratives are based on the first report of injury and is usually used 'as is' with editing for readability and may not reflect the final results of an investigation. Motor vehicle incidents, sole proprietors, Covid-19, drug related, suicide etc. are not generally included. The numbers and information are for accident prevention purposes and trending and is not intended to be a statistical study or evaluation. The goal has been to track the same types of incidents to get a rough comparison on whether core incidents increased or decreased. For questions contact the Houston North OSHA Office, Jim Shelton, CAS, at shelton.james@dol.gov