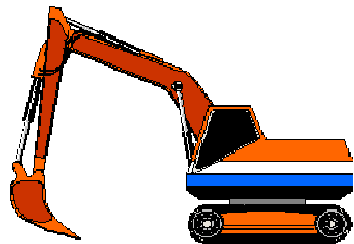


Module 4

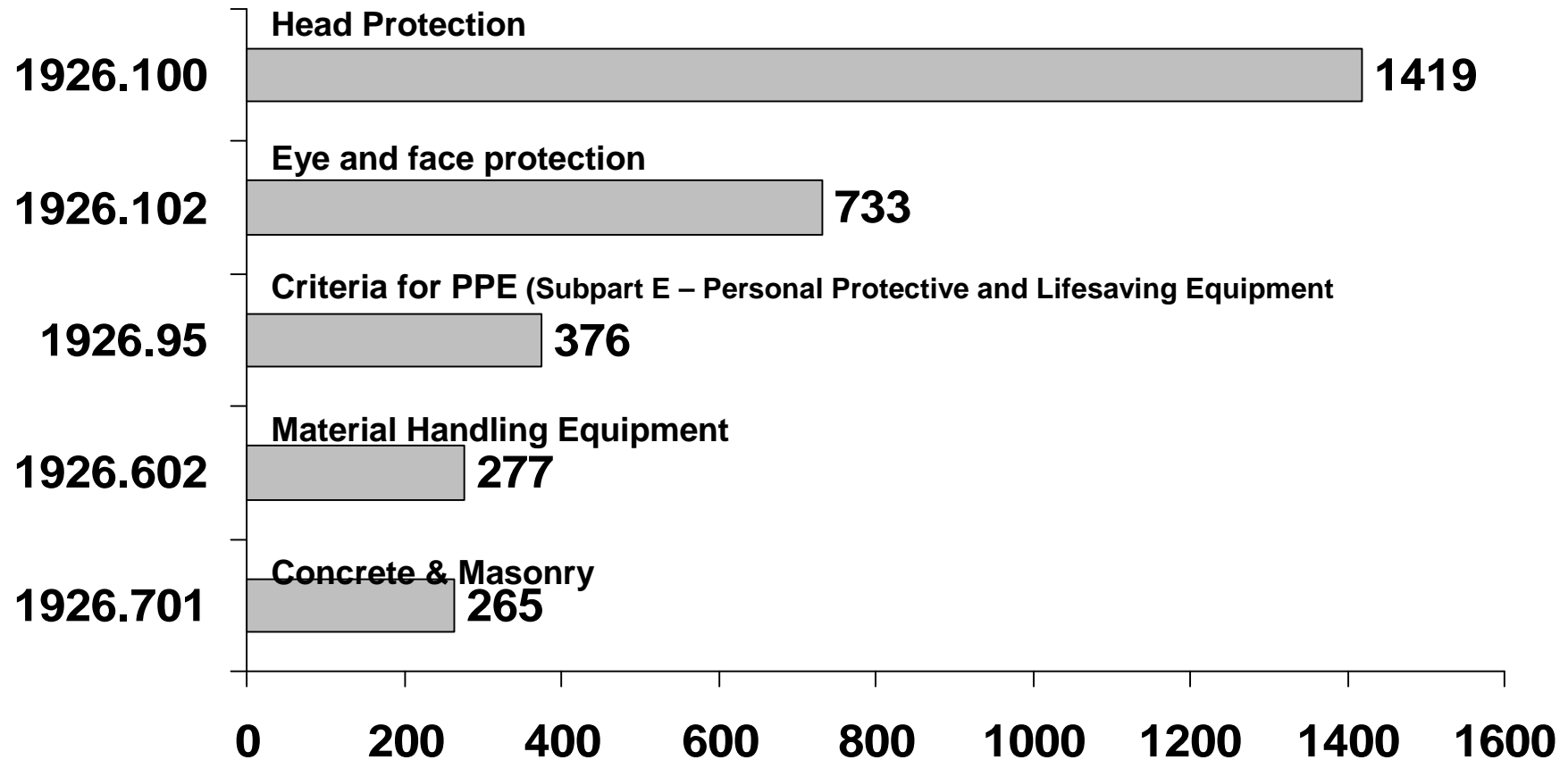
Struck-By Hazards



Causes of Struck-by Fatalities

- Falling Objects
- Rigging Failure
- Loose or Shifting Materials
- Equipment Tip over or Malfunction
- Lack of Overhead Protection
- Vehicle and Equipment Strikes
- Backing Incidents
- Workers on Foot
- Flying Objects

Top Struck-By Citations (FY 2005)



Backing Incidents

- A Paving & Construction Co. was completing milling and paving activities on a northbound frontage road along I-10 that had been closed to traffic. The employer's superintendent, a 47-year old male, was working with an ADOT inspector along the east side of the road. Several other employees were working nearby, including an asphalt truck driver who was backing up the frontage road toward a parked paver with the intent to dump a load of asphalt into the paver. The superintendent and inspector approached the road edge at the same time the truck was about 20 feet away from them. The inspector stopped at the road edge and the superintendent took two additional steps onto the road, directly behind the truck backing up, and stopped with his back to the truck. Moments later, the inspector saw the truck out of the corner of her eye just before the truck struck the superintendent and ran over him with the two rear right hand tires.

Backing Incident

Two employees were filling sewer trenches at a housing development. One employee was operating a tractor equipped with a Gannon box (used for grading) and the other employee (laborer) was tamping and spraying water for dust control. For an unknown reason the laborer started operating the tractor, and backed over the original operator. The accident occurred in October 2005, and the employee died of injuries from the accident.

Falling Objects

Two employees were hanging ten foot lengths of six inch cast iron pipe approximately ten feet in the air. They were working on step ladders. The victim fell from the ladder, hit his head on the concrete floor and was subsequently struck in the head by the falling pipe.

Hard Hats

- **Hard hats are required for:**
 - Overhead hazards
 - Falling objects
 - Flying objects
 - Electrical hazards
 - Scaffold use



Summary

- When working on any construction jobsite be aware of your surroundings.
- Watch out for moving equipment.
- Precautions must be taken to prevent being struck by falling objects.

