

DISASTER FACTS

ACCIDENT REPORT



U.S. Department of Labor • Occupational Safety and Health Administration • Kansas City Region VII No. 19

ACCIDENT SUMMARY

Accident Type: Bridge forms collapse

Weather Conditions: Clear

Type of Company: General Contractor

Size of Work Crew: 6

Union or Non-Union: Non- union

Worksite Inspections Conducted: Yes

Designated Competent Person on Site: Yes

Employer Safety and Health Program: Yes

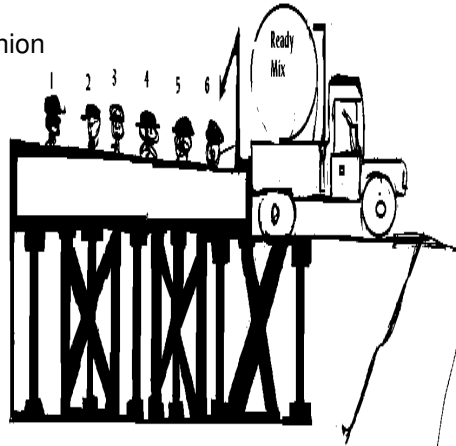
Training and Education for Employees: Yes

Craft of Deceased Employee: Carpenter/Laborer

Age/Sex: 6 males - ages 28, 31, 34, 39, 46, and 64

Time on the Job: 6 months

Time at the Task: 3.5 hours



SOURCES OF HELP

◆ OSHA standards, regulations, documents and technical information are available on the Internet World Wide Web at <http://www.OSHA.gov/>. That information also is on CD-ROM, which may be purchased from the Government Printing Office, phone (202) 512-1800 or fax (202) 512-2250, Order No. 729-13-00000-5; cost \$79 annually; \$28 quarterly.

◆ For hard copies of OSHA Construction Standards [29 CFR Part 1926], which include all OSHA job safety and health rules and regulations covering construction, contact Government Printing Office, phone (202) 512-1800, fax (202) 512-2250, order number 869-022-00114-1, \$33.

◆ OSHA-funded free consultation services listed in telephone directories under U.S. Labor Department or under the state government section where states administer their own OSHA programs.

◆ OSHA Safety and Health Training Guidelines for Construction, Volume III (Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161; phone (703)487-4650; Order No. PB-239-312/AS, \$25 to help construction employers establish a training program.

◆ Courses in construction safety are offered by the OSHA Training Institute, 1555 Times Drive, Des Plaines, IL 60018, (847) 297-4810, and the Metropolitan Community Colleges Business & Technology Center, 6899 Executive Drive, Kansas City, MO 64120, (816) 482-5210.

BRIEF DESCRIPTION OF ACCIDENT

Employees were pumping concrete into bridge beam forms for a pedestrian walkway. Approximately 130 feet of a 392 foot pour had been completed when a failure occurred. Six employees fell approximately 16 feet onto a sandy river bank. The form work for the bridge beam forms collapsed during the pour. Three employees were treated and released, two employees were hospitalized over night for observation, and the sixth employee was hospitalized with three crushed vertebrae (two in the lumbar and one in the cervical spine).

ACCIDENT PREVENTION RECOMMENDATIONS

1. Construct form work in accordance with engineering recommendations.

2. Maintain a copy of bridge work blue prints on the jobsite for reference.

Note: This case described was selected as being representative of improper work practices which likely contributed to a fatality from a fall and/or electrocution. The accident prevention recommendations do not necessarily reflect the outcome of the legal aspects of the incident case. Your company or organization is eligible to receive one free copy of this leaflet which you may duplicate and share with your co-workers. To be placed on the distribution list, send your name, title and address to: U.S. Department of Labor - OSHA, 1100 Main, Suite 800, Kansas City, MO 64105, Attn: TECFAP, or e-mail to dearing-cynthia@dol.gov.