

Accident Rates for Public Works Contracts and the Construction Industry from 2016 to 2025

Year ¹	Public Works Contracts			Accident Rates					
				Fatal Accidents			Reportable Accidents		
	No. of Fatalities	No. of Non-fatal Reportable Accidents ²	No. of Man-hours Worked ³	Public Works Contracts		Construction Industry	Public Works Contracts		Construction Industry
				a ⁴	b ⁵	c ⁶	a ⁴	b ⁵	c ⁶
2016	4	314	108,949,465.3	0.004	0.13	0.11	0.29	10.5	34.5
2017	5	411	124,246,121.5	0.005	0.17	0.19	0.34	12.1	32.9
2018	1	380	118,320,916.2	0.001	0.03	0.13	0.32	11.6	31.7
2019	0	189	101,275,373.5	0.000	0.00	0.16	0.19	6.7	29.0
2020	4	165	100,520,932.0	0.004	0.14	0.19	0.17	6.0	26.1
2021	3	206	108,526,771.6	0.003	0.10	0.22	0.19	6.9	29.5
2022	1	197	125,741,267.2	0.001	0.03	0.16	0.16	5.7	29.1
2023	6	233	132,597,988.3	0.005	0.16	0.17	0.18	6.5	27.6
2024	2	235	146,236,972.7	0.001	0.05	0.11	0.16	5.8	24.8
2025	2	187	141,836,191.5	0.001	0.05	0.18	0.13	4.8	21.3

¹ The figures for 2025 are captured as at 25 Mar 2026.

² A “non-fatal reportable accident” means industrial accident, which results in any injury that incapacity the worker for more than 3 days.

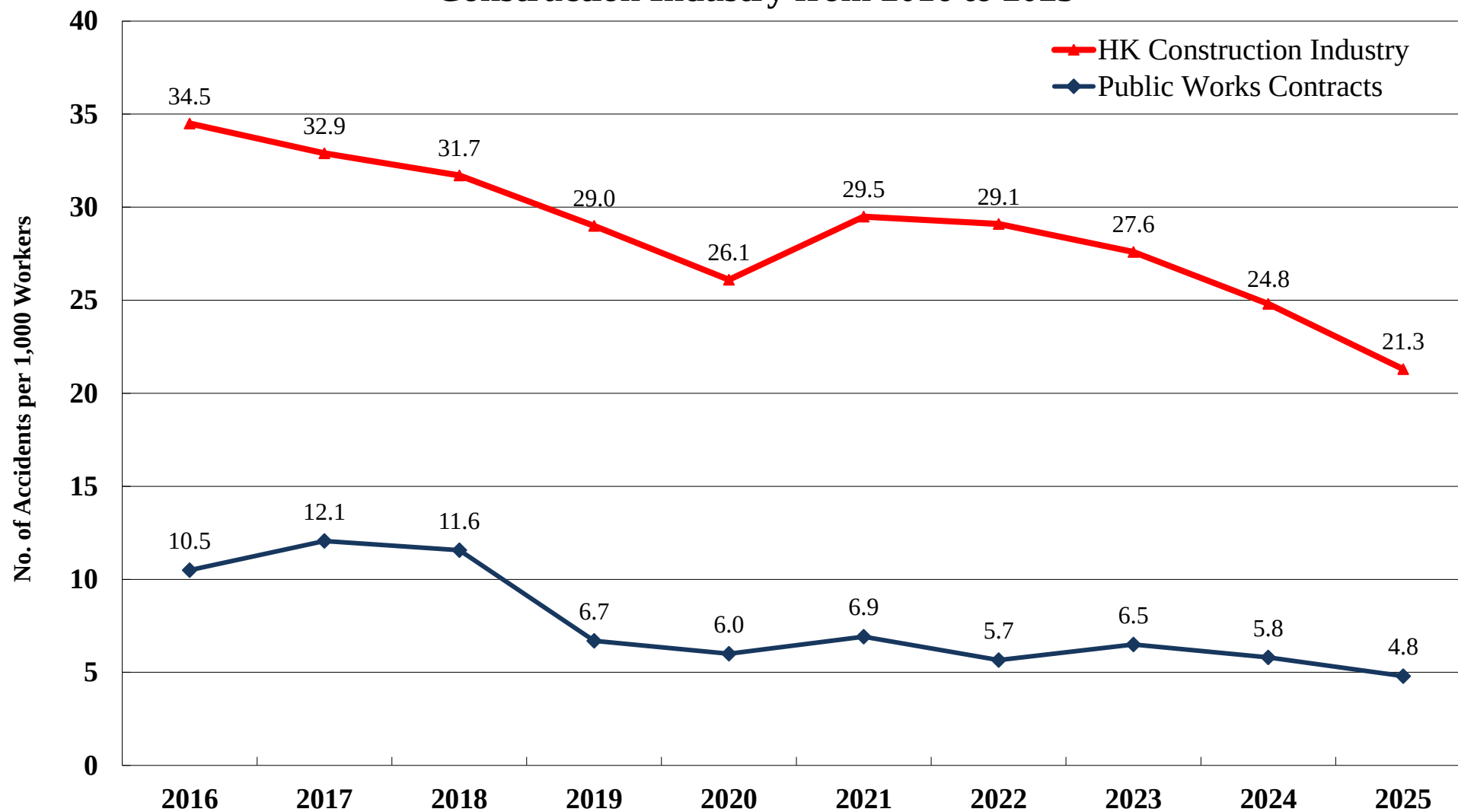
³ The “man-hours worked” means the man-hours worked by all persons employed on the works whether in the employ of main contractor and his sub-contractors who are exposed to the risks on the sites, including supervisory staff, site agent and engineer(s), workers, watchman etc.

⁴ The accident rates for columns marked with (a) are given in term of no. of accidents per 100,000 man-hours worked.

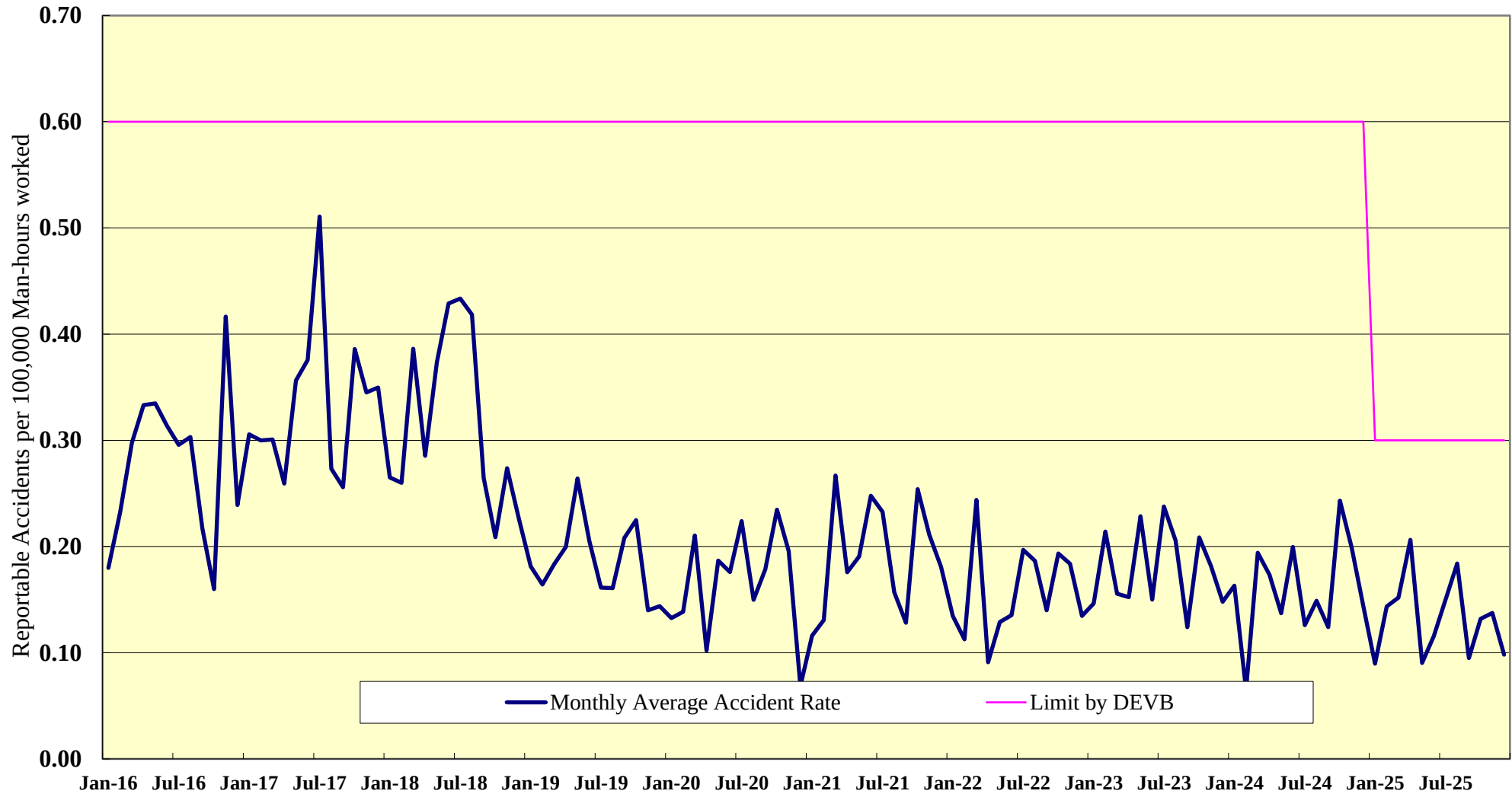
⁵ The accident rates for columns marked with (b) are given in term of no. of accidents per 1,000 workers per year based on a conversion of 1.67 accidents per 100,000 man-hours worked equivalent to 60 accidents per 1,000 workers per year.

⁶ The accident rates for columns marked with (c) are given in term of no. of accidents per 1,000 workers per year based on the statistics of the Labour Department.

Chart of Yearly Accident Rates for Public Works Contracts and the Construction Industry from 2016 to 2025



**Chart of Monthly Average Accident Rates
for Public Works Contracts from January 2016 to December 2025**



Period	1/03 - 3/04	4/04 - 3/05	4/05 - 1/11	2/11 - 12/24	since 1/25
Limit by DEVB	1.25	1.0	0.75	0.6	0.3

Number of Accidents for Public Works Contracts with Breakdown by Works Departments from 2016 to 2025**(A) No. of Fatalities**

Department	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
ArchSD	2	1	0	0	1	0	1	4	0	1
CEDD	0	0	1	0	2	2	0	0	0	0
DSD	0	0	0	0	0	1	0	0	2	1
EMSD	0	0	0	0	0	0	0	0	0	0
HyD	2	2	0	0	1	0	0	1	0	0
WSD	0	2	0	0	0	0	0	1	0	0
Total	4	5	1	0	4	3	1	6	2	2

(B) No. of Non-fatal accidents

Department	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
ArchSD	71	103	155	82	61	98	96	77	112	111
CEDD	47	64	74	41	38	52	40	35	35	29
DSD	11	16	9	8	14	12	15	17	18	16
EMSD	9	10	3	5	8	12	12	17	12	10
HyD	152	198	123	41	38	27	23	75	54	19
WSD	24	20	16	12	6	5	11	12	4	2
Total	314	411	380	189	165	206	197	233	235	187

Accident Rates for Public Works Contracts
with Breakdown by Works Departments from 2016 to 2025

Department		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
ArchSD	a ¹	0.27	0.31	0.42	0.27	0.21	0.31	0.24	0.21	0.24	0.23
	b ²	9.7	11.1	15.3	9.6	7.6	11.3	8.7	7.5	8.5	8.3
CEDD	a ¹	0.16	0.27	0.30	0.18	0.16	0.20	0.13	0.11	0.10	0.08
	b ²	5.8	9.7	10.9	6.3	5.9	7.0	4.6	3.9	3.5	2.7
DSD	a ¹	0.13	0.23	0.13	0.11	0.17	0.13	0.12	0.12	0.13	0.11
	b ²	4.8	8.4	4.8	4.0	6.1	4.6	4.3	4.4	4.7	3.8
EMSD	a ¹	0.13	0.16	0.04	0.06	0.10	0.12	0.10	0.14	0.10	0.09
	b ²	4.6	5.7	1.5	2.3	3.4	4.2	3.7	5.0	3.6	3.2
HyD	a ¹	0.44	0.46	0.36	0.17	0.19	0.14	0.12	0.33	0.23	0.11
	b ²	15.7	16.5	12.8	6.2	6.8	4.9	4.2	11.8	8.3	4.1
WSD	a ¹	0.22	0.22	0.18	0.14	0.06	0.05	0.11	0.11	0.03	0.02
	b ²	7.8	8.0	6.5	5.0	2.3	1.9	3.9	3.8	1.2	0.6
All Dept.	a ¹	0.29	0.34	0.32	0.19	0.17	0.19	0.16	0.18	0.16	0.13
	b ²	10.5	12.1	11.6	6.7	6.0	6.9	5.7	6.5	5.8	4.8
HA ^{3, 4}	b ^{3, 4}	6.8/1.5	6.9/4.2	7.4/5.7	5.2/5.3	4.5/0.3	5.2/0.7	5.7/0.0	5.2/0.7	4.8/0.7	4.8/2.7
Construction Industry ³	b ³	34.5	32.9	31.7	29.0	26.1	29.5	29.1	27.6	24.8	21.3

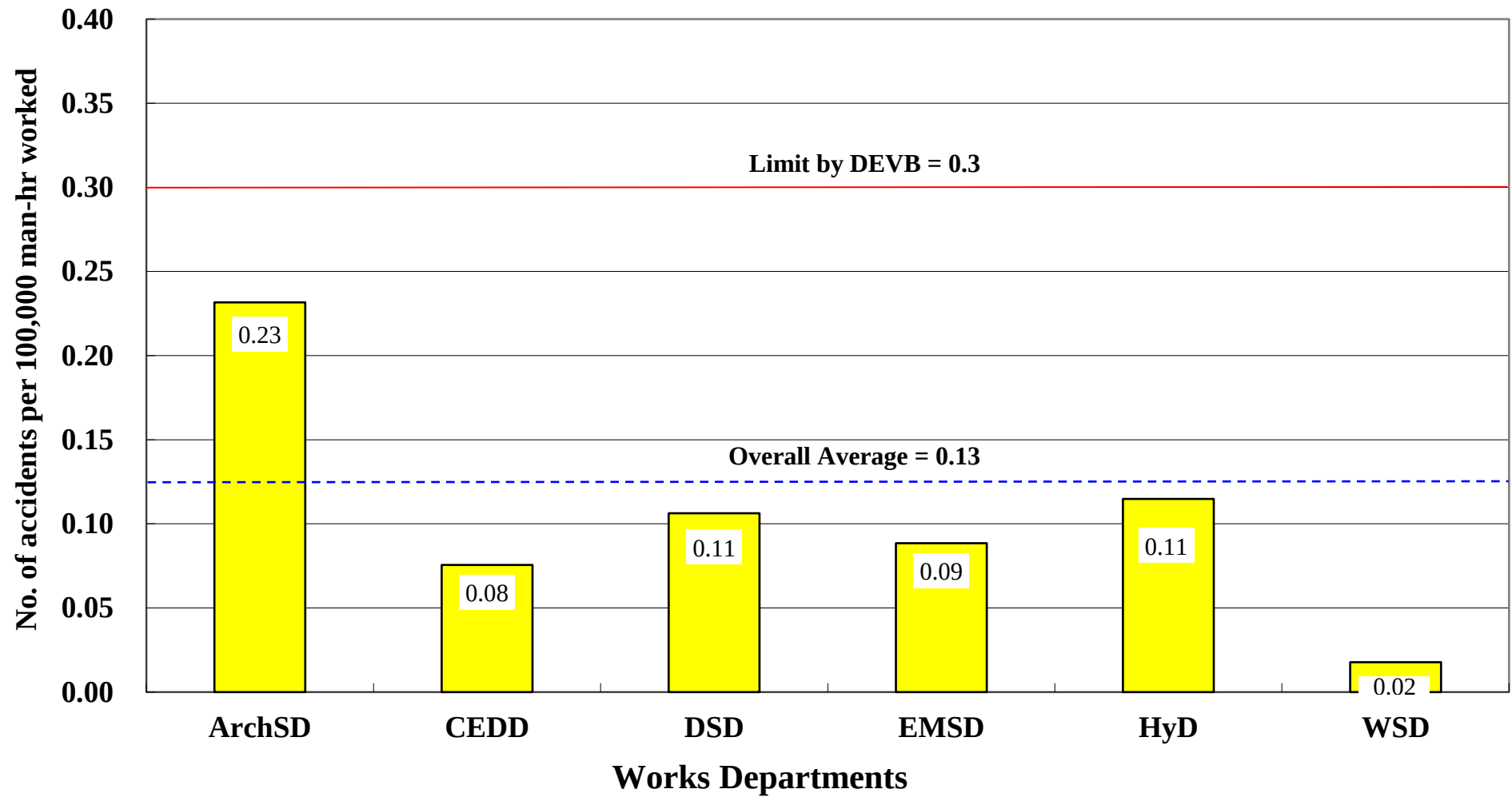
¹ The accident rates for columns marked with (a) are given in term of no. of accidents per 100,000 man-hours worked.

² The accident rates for columns marked with (b) are given in term of no. of accidents per 1,000 workers per year based on a conversion of 1.67 accidents per 100,000 man-hours worked equivalent to 60 accidents per 1,000 workers per year.

³ The accident rates for Housing Authority (HA) and the construction industry are given in terms of no. of accidents per 1,000 workers per year.

⁴ Housing Authority has two accident rates figures (New Works / Maintenance Works).

Accident Rates for Public Works Contracts in 2025



Appendix F

Severity for Public Works Contracts with Breakdown by Works Department from 2021 to 2025

No. of Man-Day Lost per 100,000 Man-Hours Worked

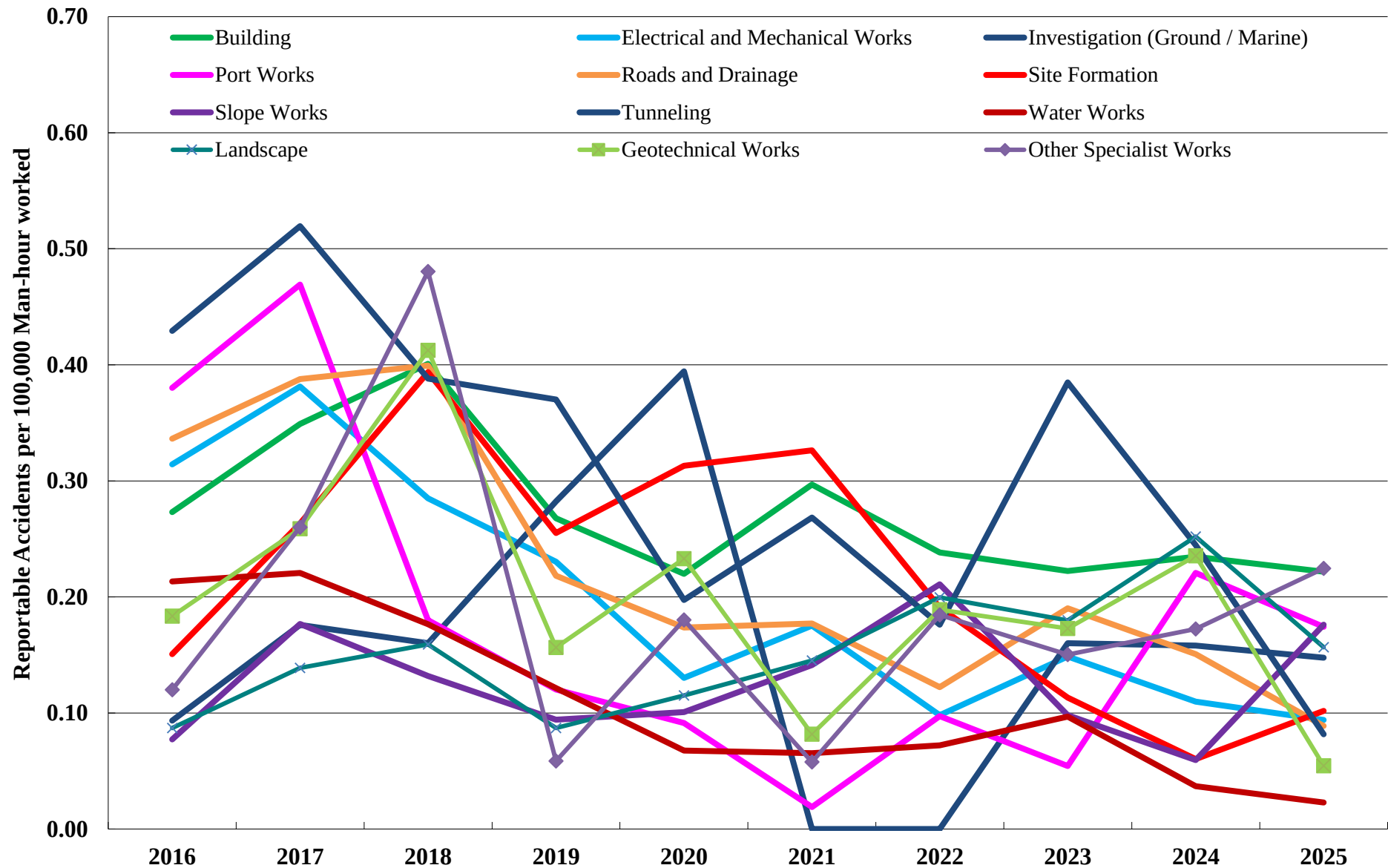
Department	2021	2022	2023	2024	2025
ArchSD	59.6	55.9	69.8	46.8	59.1
CEDD	52.8	44.1	32.7	32.2	26.6
DSD	24.9	35.4	34.2	30.1	26.0
EMSD	18.4	14.0	16.7	9.7	10.5
HyD	49.2	37.4	56.4	70.2	84.4
WSD	14.2	20.2	34.0	25.3	15.5
All Works Departments	44.9	41.3	46.5	40.4	42.2

Accident Rates for Public Works Contracts from 2016 to 2025
Analyzed by Types of Contracts

Types of Contracts	Accident Rates (in no. of accidents per 1,000 workers per year)										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Change ¹
Building	9.8	12.5	14.4	9.6	7.9	10.7	8.6	8.0	8.4	8.0	-4.76%
Port Works	13.7	16.9	6.5	4.3	3.3	0.7	3.5	2.0	7.9	6.3	-20.25%
Slope Works	2.8	6.3	4.7	3.4	3.6	5.1	7.6	3.5	2.1	6.3	200.00%
Landscape	3.1	5.0	5.7	3.1	4.1	5.2	7.2	6.5	9.1	5.6	-38.46%
Investigation (Ground / Marine)	3.4	6.3	5.8	10.1	14.2	0	0	5.8	5.7	5.3	-7.02%
Site Formation	5.4	9.5	14.1	9.2	11.2	11.7	6.9	4.1	2.2	3.7	68.18%
Electrical and Mechanical Works	11.3	13.7	10.2	8.3	4.7	6.3	3.5	5.3	3.9	3.4	-12.82%
Roads and Drainage	12.1	13.9	14.3	7.8	6.2	6.4	4.4	6.8	5.4	3.2	-40.74%
Tunneling	15.4	18.7	13.9	13.3	7.1	9.6	6.3	13.8	8.8	2.9	-67.05%
Geotechnical Works	6.6	9.3	14.8	5.6	8.4	2.9	6.8	6.2	8.5	2.0	-76.47%
Water Works	7.7	7.9	6.3	4.4	2.4	2.3	2.6	3.5	1.3	0.8	-38.46%
Other Specialist Works	4.3	9.3	17.3	2.1	6.5	2.1	6.6	5.4	6.2	8.1	30.65%
All Contracts	10.5	12.1	11.6	6.7	6.0	6.9	5.7	6.5	5.8	4.8	-17.24%

¹ The “Change” is the percentage difference in accident rates between 2024 and 2025.

Accident Rates for Public Works Contracts Analyzed by Types of Contracts from 2016 to 2025



No. of Accidents for Public Works Contracts from 2021 to 2025
Analyzed by Types of Accidents

Types of Accidents	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Slip, Trip or Fall On Same Level	37	17.70%	54	27.27%	60	25.10%	61	25.74%	46	24.34%	-15
Injured Whilst Lifting or Carrying/ Manual Lifting/ Manual Handling/ Handling Without Machinery	36	17.22%	25	12.63%	35	14.64%	29	12.24%	24	12.70%	-5
Hand Tool Accident	9	4.31%	11	5.56%	13	5.44%	16	6.75%	21	11.11%	5
Struck By Moving or Falling Object	21	10.05%	31	15.66%	26	10.88%	28	11.81%	18	9.52%	-10
Fall of Person From Height	25	11.96%	20	10.10%	25	10.46%	17	7.17%	16	8.47%	-1
Trapped In or Between Objects	13	6.22%	15	7.58%	16	6.69%	14	5.91%	12	6.35%	-2
Striking Against Fixed or Stationary Object	24	11.48%	11	5.56%	19	7.95%	23	9.70%	7	3.70%	-16
Contact With Moving Machinery or Object Being Machined	2	0.96%	5	2.53%	12	5.02%	10	4.22%	6	3.17%	-4
Dust/ Foreign Particle In Eye	2	0.96%	-	-	2	0.84%	1	0.42%	6	3.17%	5
Striking Against Moving Object	5	2.39%	5	2.53%	5	2.09%	3	1.27%	5	2.65%	2
Machinery Operation Accident	3	1.44%	1	0.51%	2	0.84%	2	0.84%	3	1.59%	1
Stepping On Object/ Nail	2	0.96%	-	-	3	1.26%	4	1.69%	2	1.06%	-2
Exposure To Fire/ Burning	-	-	1	0.51%	1	0.42%	1	0.42%	2	1.06%	1
Exposure To or Contact With Harmful Substance (e.g. poison gas, toxic or corrosive substance)	1	0.48%	-	-	-	-	3	1.27%	1	0.53%	-2
Drowning or Asphyxiation	-	-	-	-	-	-	-	-	1	0.53%	1
Trapped By Collapsing or Overturning Object	4	1.91%	-	-	-	-	-	-	-	-	-
Struck By Moving Vehicle/ Traffic Accident	1	0.48%	-	-	-	-	-	-	-	-	-
Crushing/ Burial	1	0.48%	-	-	-	-	5	2.11%	-	-	-5
Contact With Electricity or Electric Discharge	-	-	-	-	3	1.26%	-	-	-	-	-
Sub-total	186	89.00%	179	90.40%	222	92.89%	217	91.56%	170	89.95%	-47
Other Types	23	11.00%	19	9.60%	17	7.11%	20	8.44%	19	10.05%	-1
Total number of accidents	209	-	198	-	239	-	237	-	189	-	-48

¹ “Change” means the difference in no. of accidents between 2024 and 2025.

No. of Accidents for Public Works Contracts from 2021 to 2025
Analyzed by Trades of Workers

Trades of Workers	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Labourer	98	46.89%	88	44.44%	101	42.26%	108	45.57%	82	43.39%	-26
Carpenter (formworker)	13	6.22%	9	4.55%	28	11.72%	28	11.81%	17	8.99%	-11
Rigger/ Metal Formwork Erector	5	2.39%	6	3.03%	14	5.86%	9	3.80%	9	4.76%	-
Bar Bender and Fixer	12	5.74%	11	5.56%	8	3.35%	10	4.22%	8	4.23%	-2
Building Services/ E&M Worker	10	4.78%	12	6.06%	18	7.53%	10	4.22%	7	3.70%	-3
Excavator	2	0.96%	1	0.51%	1	0.42%	2	0.84%	4	2.12%	2
Manager/ Site Engineer/ General Foreman	3	1.44%	6	3.03%	6	2.51%	4	1.69%	4	2.12%	-
General Welder	6	2.87%	8	4.04%	8	3.35%	7	2.95%	4	2.12%	-3
Plasterer	2	0.96%	1	0.51%	2	0.84%	2	0.84%	4	2.12%	2
Plumber	2	0.96%	3	1.52%	2	0.84%	6	2.53%	4	2.12%	-2
Construction/ Mechanical Plant Mechanic or Fitter	4	1.91%	2	1.01%	1	0.42%	-	-	3	1.59%	3
Metal Scaffolder	5	2.39%	5	2.53%	2	0.84%	5	2.11%	3	1.59%	-2
Plant & equipment Operator (hoist and crane)	1	0.48%	1	0.51%	3	1.26%	4	1.69%	3	1.59%	-1
Painter and Decorator	-	-	2	1.01%	1	0.42%	3	1.27%	3	1.59%	-
Ganger	3	1.44%	4	2.02%	-	-	2	0.84%	2	1.06%	-
Metal Worker	9	4.31%	2	1.01%	5	2.09%	1	0.42%	2	1.06%	1
Truck and Other Vehicle Driver	3	1.44%	1	0.51%	2	0.84%	1	0.42%	2	1.06%	1
Bamboo Scaffolder	-	-	2	1.01%	-	-	-	-	1	0.53%	1
Leveller	-	-	1	0.51%	2	0.84%	2	0.84%	1	0.53%	-1
Chainman	-	-	-	-	1	0.42%	-	-	1	0.53%	1
Drilling Assistant	-	-	-	-	1	0.42%	-	-	1	0.53%	1
Concretor	3	1.44%	1	0.51%	-	-	-	-	-	-	-
Joiner	3	1.44%	1	0.51%	1	0.42%	3	1.27%	-	-	-3
Plant & Equipment Operator (earthmoving machinery)	1	0.48%	2	1.01%	1	0.42%	-	-	-	-	-
Tunnel Worker	1	0.48%	-	-	-	-	-	-	-	-	-
Drainlayer/ Mainlayer	-	-	1	0.51%	1	0.42%	-	-	-	-	-
Plant & equipment Operator (Piling)	-	-	2	1.01%	1	0.42%	1	0.42%	-	-	-1
Plant & Equipment Operator (tunnelling)	-	-	1	0.51%	-	-	1	0.42%	-	-	-1

Appendix I
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Trades of Workers	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Concreting Labourer	-	-	-	-	1	0.42%	4	1.69%	-	-	-4
Diver	-	-	-	-	1	0.42%	-	-	-	-	-
Plant & Equipment Operator (builders lift & other machinery)	-	-	-	-	1	0.42%	-	-	-	-	-
Sub-total	186	89.00%	173	87.37%	213	89.12%	213	89.87%	165	87.30%	-48
Other Types	23	11.00%	25	12.63%	26	10.88%	24	10.13%	24	12.70%	-
Total number of accidents	209	---	198	---	239	---	237	---	189	---	-48

1 “Change” means the difference in no. of accidents between 2024 and 2025.

Appendix J

No. of Accidents for Public Works Contracts from 2021 to 2025 Analyzed by Natures of Injury

Natures of Injury	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Fracture	71	28.51%	75	31.25%	74	26.81%	92	33.70%	65	29.55%	-27
Contusion & Bruise	58	23.29%	71	29.58%	62	22.46%	48	17.58%	42	19.09%	-6
Laceration and Cut	30	12.05%	28	11.67%	33	11.96%	38	13.92%	39	17.73%	1
Sprain/ Strain/ Twist	34	13.65%	23	9.58%	35	12.68%	26	9.52%	25	11.36%	-1
Crushing	10	4.02%	6	2.50%	17	6.16%	17	6.23%	10	4.55%	-7
Abrasion	4	1.61%	8	3.33%	6	2.17%	8	2.93%	9	4.09%	1
Amputation	2	0.80%	-	-	6	2.17%	7	2.56%	5	2.27%	-2
Burn (heat)	5	2.01%	2	0.83%	5	1.81%	1	0.37%	4	1.82%	3
Dislocation	5	2.01%	1	0.42%	2	0.72%	3	1.10%	2	0.91%	-1
Irritation	1	0.40%	1	0.42%	1	0.36%	1	0.37%	2	0.91%	1
Asphyxia	-	-	-	-	-	-	-	-	1	0.45%	1
Multiple Injuries	2	0.80%	-	-	1	0.36%	3	1.10%	1	0.45%	-2
Burn/ Scald	-	-	2	0.83%	5	1.81%	3	1.10%	-	-	-3
Concussion & Other Internal Injury	2	0.80%	2	0.83%	1	0.36%	1	0.37%	-	-	-1
Electric Shock/ Effects of Electric Current	-	-	-	-	2	0.72%	-	-	-	-	-
Puncture	2	0.80%	1	0.42%	3	1.09%	2	0.73%	-	-	-2
Poisoning and Gassing	-	-	-	-	-	-	2	0.73%	-	-	-2
Sub-total	226	90.76%	220	91.67%	253	91.67%	252	92.31%	205	93.18%	-47
Other Types	23	9.24%	20	8.33%	23	8.33%	21	7.69%	15	6.82%	-6
Total number of accidents²	249	-----	240	-----	276	-----	273	-----	220	-----	-53
	(209)		(198)		(239)		(237)		(189)		-48

1 “Change” means the difference in no. of accidents between 2024 and 2025.

2 The figures were the total sum of items “Nature of Injury Incurred 1”, “Nature of Injury Incurred 2” and “Nature of Injury Incurred 3” in the Injury Report Form. “()” is the total number of accidents of that year.

Appendix K

No. of Accidents for Public Works Contracts from 2021 to 2025 Analyzed by Parts of Body Injured in Accidents

Parts of Body Injured	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Finger	51	20.48%	40	16.67%	65	23.55%	66	24.18%	59	26.82%	-7
Back	30	12.05%	30	12.50%	31	11.23%	23	8.42%	22	10.00%	-1
Ankle	7	2.81%	12	5.00%	15	5.43%	19	6.96%	18	8.18%	-1
Hand/ Palm	9	3.61%	8	3.33%	12	4.35%	16	5.86%	14	6.36%	-2
Leg	14	5.62%	22	9.17%	10	3.62%	11	4.03%	12	5.45%	1
Forearm	5	2.01%	7	2.92%	6	2.17%	14	5.13%	11	5.00%	-3
Foot/ Toe	21	8.43%	14	5.83%	14	5.07%	19	7.00%	11	5.00%	-8
Chest	10	4.02%	7	2.92%	17	6.16%	14	5.13%	10	4.55%	-4
Knee	7	2.81%	8	3.33%	12	4.35%	6	2.20%	9	4.09%	3
Eye	6	2.4%	4	1.67%	2	0.72%	2	0.73%	8	3.64%	6
Shoulder	10	4.02%	9	3.75%	8	2.90%	7	2.56%	7	3.18%	-
Wrist	7	2.81%	4	1.67%	12	4.35%	8	2.93%	6	2.73%	-2
Face/ Cheek/ Chin	8	3.21%	2	0.83%	9	3.26%	8	2.93%	5	2.27%	-3
Elbow	6	2.41%	6	2.50%	7	2.54%	10	3.66%	5	2.27%	-5
Hip	6	2.41%	5	2.08%	5	1.81%	-	-	4	1.82%	4
Thigh	4	1.61%	8	3.33%	3	1.09%	9	3.30%	3	1.36%	-6
Pelvis/ Groin	2	0.80%	4	1.67%	2	0.72%	1	0.37%	2	0.91%	1
Upper Arm	-	-	2	0.83%	2	0.72%	4	1.47%	2	0.91%	-2
Skull/Scalp	9	3.60%	10	4.17%	14	5.07%	9	3.30%	1	0.45%	-8
Mouth/ Tooth/ Lip	3	1.20%	1	0.42%	-	-	1	0.37%	1	0.45%	-
Nose	3	1.20%	1	0.42%	2	0.72%	-	-	1	0.45%	1
Neck	8	3.21%	9	3.75%	6	2.17%	5	1.83%	1	0.45%	-4
Ear	1	0.40%	3	1.25%	-	-	2	0.73%	-	-	-2
Abdomen	1	0.40%	2	0.83%	1	0.36%	-	-	-	-	-
Trunk	-	-	2	0.83%	-	-	2	0.73%	-	-	-2
Waist	3	1.20%	6	2.50%	1	0.36%	3	1.10%	-	-	-3
Sub-total	231	92.77%	226	94.17%	256	92.75%	259	94.87%	212	96.36%	-47
Other Types	18	7.23%	14	5.83%	20	7.25%	14	5.13%	8	3.64%	-6
Total number of accidents²	249	-----	240	-----	276	-----	273	-----	220	-----	-53
	(209)		(198)		(239)		(237)		(189)		-48

¹ “Change” means the difference in no. of accidents between 2024 and 2025.

² The figures were the total sum of items “Body parts injured 1”, “Body parts injured 2” and “Body parts injured 3” in the Injury Report Form. “()” is the total number of accidents of that year.

No. of Accidents for Public Works Contracts from 2021 to 2025
Analyzed by Agents Involved in Accidents

Agents Involved	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Floor, Ground, Stairs or Any Working Surface	33	15.07%	44	21.57%	45	17.44%	48	19.51%	38	19.10%	-10
Material/ Product Being Handled or Stored (e.g. Plank, timber, rope etc.)	49	22.37%	34	16.67%	41	15.89%	41	16.67%	32	16.08%	-9
Portable Power or Hand Tools	16	7.31%	15	7.35%	18	6.98%	25	10.16%	29	14.57%	4
Ladder or Working At Height	12	5.48%	5	2.45%	6	2.33%	11	4.47%	12	6.03%	1
Other Machinery	9	4.11%	11	5.39%	8	3.10%	5	2.03%	7	3.52%	2
Equipment For Lifting/ Conveying	4	1.83%	4	1.96%	6	2.33%	5	2.03%	5	2.51%	-
Vehicle or Associated Equipment or Machinery	4	1.83%	-	-	7	2.71%	5	2.03%	3	1.51%	-2
Scaffolding/ Gondola	4	1.83%	1	0.49%	3	1.16%	2	0.81%	3	1.51%	1
Steel Bar/ Rod	6	2.74%	4	1.96%	18	6.98%	7	2.85%	3	1.51%	-4
Construction Formwork, Shuttering & Falsework	3	1.37%	-	-	6	2.33%	2	0.81%	2	1.01%	-
Pipe	2	0.91%	-	-	3	1.16%	4	1.63%	2	1.01%	-2
Sewerage, Manhole or Other Confined Space	5	2.28%	1	0.49%	2	0.78%	3	1.22%	1	0.50%	-2
Movable Container or Package of Any Kind	-	-	1	0.49%	-	-	1	0.41%	1	0.50%	-
Gas, Vapour, Dust or Fume	-	-	-	-	-	-	-	-	1	0.50%	1
Nail, Splinter or Chipping	-	-	1	0.49%	2	0.78%	1	0.41%	1	0.50%	-
Excavation/ Underground Work	4	1.83%	-	-	3	1.16%	3	1.22%	1	0.50%	-2
Slope	-	-	-	-	3	1.16%	2	0.81%	1	0.50%	-1
Electricity Supply, Wiring Apparatus or Equipment	1	0.46%	3	1.47%	-	-	3	1.22%	-	-	-3
Sub-total	152	69.41%	124	60.78%	171	66.28%	168	68.29%	142	71.36%	-26
Other Types	67	30.59%	80	39.22%	87	33.72%	78	31.71%	57	28.64%	-21
Total number of accidents ²	219 (209)	-----	204 (198)	-----	258 (239)	-----	246 (237)	-----	199 (189)	-----	-47 -48

¹ “Change” means the difference in no. of accidents between 2024 and 2025

² There were more records because multiple selection of “Agents Involved” was allowed. “()” is the total number of accidents of that year.

Appendix M

No. of Accidents for Public Works Contracts from 2021 to 2025 **Analyzed by Unsafe Actions Involved in Accidents**

Unsafe Actions	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Lapse Of Attention	60	25.42%	67	30.45%	87	31.18%	92	33.70%	82	36.94%	-10
Adopting Unsafe Position or Posture	35	14.83%	32	14.55%	44	15.77%	33	12.09%	25	11.26%	-8
Failure To Secure Objects	10	4.24%	15	6.82%	9	3.23%	18	6.59%	13	5.86%	-5
Use Unsafe Equipment/ Use Equipment Unsafely	10	4.24%	10	4.55%	11	3.94%	10	3.66%	13	5.86%	3
Use Unsuitable Access/ Failure To Use Access	12	5.08%	9	4.09%	13	4.66%	14	5.13%	13	5.86%	-1
Operating or Working At Unsafe Speed	-	-	-	-	3	1.08%	1	0.37%	4	1.80%	3
Failure To Use Eye Protector	3	1.27%	-	-	1	0.36%	-	-	4	1.80%	4
Failure To Warn Others or Give Proper Signals	2	0.85%	3	1.36%	4	1.43%	5	1.83%	4	1.80%	-1
Failure To Use Gloves	4	1.69%	2	0.91%	4	1.43%	5	1.83%	4	1.80%	-1
Working On Moving or Dangerous Equipment	2	0.85%	1	0.45%	3	1.08%	3	1.10%	3	1.35%	-
Failure To Use Proper Footwear	3	1.27%	2	0.91%	1	0.36%	4	1.47%	3	1.35%	-1
Failure To Use Safety Belt/ Harness	2	0.85%	3	1.36%	1	0.36%	2	0.73%	3	1.35%	1
Operating Without Authority	4	1.69%	2	0.91%	3	1.08%	7	2.56%	2	0.90%	-5
Making Safety Devices Inoperative	-	-	1	0.45%	-	-	1	0.37%	2	0.90%	1
Unsafe Loading, Placing, Mixing etc.	9	3.81%	4	1.82%	6	2.15%	3	1.10%	2	0.90%	-1
Failure To Use Helmet	4	1.69%	-	-	2	0.72%	2	0.73%	2	0.90%	-
Failure To use Proper Clothing	1	0.42%	-	-	1	0.36%	-	-	1	0.45%	1
Sub-total	161	68.22%	151	68.64%	193	69.18%	200	73.26%	180	81.08%	-20
Other Types	75	31.78%	69	31.36%	86	30.82%	73	26.74%	42	18.92%	-31
Total sum of “Unsafe Actions” ²	236 (209)	-----	220 (198)	-----	279 (239)	-----	273 (237)	-----	222 (189)	-----	-51 -48

¹ “Change” means the difference in no. of accidents between 2024 and 2025

² There were more records because multiple selection of “Unsafe Actions” was allowed. “()” is the total number of accidents of that year.

Appendix N

No. of Accidents for Public Works Contracts from 2021 to 2025 Analyzed by Unsafe Conditions Involved in Accidents

Unsafe Conditions	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Unsafe Process or Job Methods	29	12.95%	23	10.22%	35	12.87%	32	11.76%	36	16.74%	4
Improper Procedure	27	12.05%	27	12.00%	33	12.13%	31	11.40%	28	13.02%	-3
Lack Of Warning System	4	1.79%	8	3.56%	9	3.31%	12	4.41%	18	8.37%	6
Slippery Area	13	5.80%	14	6.22%	20	7.35%	18	6.62%	12	5.58%	-6
Improper Stacking/ Storage	11	4.91%	10	4.44%	12	4.41%	12	4.41%	10	4.65%	-2
Poor Housekeeping	8	3.57%	17	7.56%	16	5.88%	21	7.72%	9	4.19%	-12
Inadequate Working Space/ Platform	9	4.02%	11	4.89%	13	4.78%	10	3.68%	8	3.72%	-2
Defective Tool, Machinery or Material	4	1.79%	6	2.67%	3	1.10%	6	2.21%	6	2.79%	-
Inadequate Tools and Protective Equipment	2	0.89%	7	3.11%	10	3.68%	7	2.57%	5	2.33%	-2
Improper Guarding/ No Guarding	3	1.34%	7	3.11%	3	1.10%	5	1.84%	4	1.86%	-1
No Protective Gear	2	0.89%	1	0.44%	4	1.47%	4	1.47%	3	1.40%	-1
Improper Dress/ Footwear	2	0.89%	-	-	1	0.37%	3	1.10%	2	0.93%	-1
Improper Illumination	1	0.45%	1	0.44%	-	-	5	1.84%	2	0.93%	-3
Adverse Weather	-	-	2	0.89%	1	0.37%	3	1.10%	2	0.93%	-1
Defective Protective Gear	1	0.45%	-	-	2	0.74%	-	-	1	0.47%	1
Unsafe Layout Of Job, Traffic etc.	1	0.45%	1	0.44%	1	0.37%	2	0.74%	-	-	-2
Sub-total	117	52.23%	135	60.00%	163	59.93%	171	62.87%	146	67.91%	-25
Other Types	107	47.77%	90	40.00%	109	40.07%	101	37.13%	69	32.09%	-32
Total number of accidents ²	224 (209)	-----	225 (198)	-----	272 (239)	-----	272 (237)	-----	215 (189)	-----	-57 -48

1 “Change” means the difference in no. of accidents between 2024 and 2025.

2 There were more records because multiple selection of “Unsafe Conditions Involved” was allowed. “()” is the total number of accidents of that year.

No. of Accidents for Public Works Contracts from 2021 to 2025
Analyzed by Personal Factors Involved in Accidents

Personal Factors Involved	2021		2022		2023		2024		2025		
	No.	%	No.	%	No.	%	No.	%	No.	%	Change ¹
Carelessness/ Not Concentrate	118	50.43%	130	58.30%	145	50.70%	166	61.03%	129	58.37%	-37
Incorrect Attitude/ Motive	23	9.83%	24	10.76%	33	11.54%	28	10.29%	29	13.12%	1
Lack Of Knowledge or Skill	22	9.40%	21	9.42%	32	11.19%	25	9.19%	24	10.86%	-1
Unsafe Act By Another Person	12	5.13%	6	2.69%	14	4.90%	8	2.94%	7	3.17%	-1
Fatigue/ Exhaustion	2	0.85%	2	0.90%	-	-	5	1.84%	2	0.90%	-3
Physical Defects	1	0.43%	1	0.45%	4	1.40%	4	1.47%	1	0.45%	-3
Sub-total	178	76.07%	184	82.51%	228	79.72%	236	86.76%	192	86.88%	-44
Other Types	56	23.93%	39	17.49%	58	20.28%	36	13.24%	29	13.12%	-7
Total number of accidents ²	234 (209)	-----	223 (198)	-----	286 (239)	-----	272 (237)	-----	221 (189)	-----	-51 -48

1 “Change” means the difference in no. of accidents between 2024 and 2025.

2 There are more records than the number of accidents because multiple selection of “Person Factors Involved” was allowed. “()” is the total number of accidents of that year.