

ANNEX M

**WHOLE LIFE COSTS:
USING STATS19 DATA FOR
ACCIDENT TRENDS**

Table M1: WLC of Rebound Accidents

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£454,795
D/S TCB (3.2m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£431,867
D/S OBB (2.4m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£453,805
2 rows of S/S TCB (3.2m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£473,403
2 rows of S/S OBB (2.4m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£524,754
2 rows of DROBB (2.4m p/s)	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£570,623
Slipformed VCB	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£395,903
Slipformed HVCB	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£630,626
Dutch Step Barrier	0	0 x 0.022	0 x 0.145	0 x 0.833	£0	£0	£0	£0	0	£363,704

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£670,868
D/S TCB (3.2m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£654,119
D/S OBB (2.4m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£673,013
2 rows of S/S TCB (3.2m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£691,860
2 rows of S/S OBB (2.4m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£740,635
2 rows of DROBB (2.4m p/s)	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	5	£782,296
Slipformed VCB	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	0	£576,881
Slipformed HVCB	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	0	£811,604
Dutch Step Barrier	5	5 x 0.022	5 x 0.145	5 x 0.833	£149,289	£113,912	£57,644	£64,169	0	£544,682

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£852,815
D/S TCB (3.2m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£841,397
D/S OBB (2.4m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£857,720
2 rows of S/S TCB (3.2m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£875,838
2 rows of S/S OBB (2.4m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£922,442
2 rows of DROBB (2.4m p/s)	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	10	£960,549
Slipformed VCB	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	0	£729,260
Slipformed HVCB	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	0	£963,983
Dutch Step Barrier	10	10 x 0.022	10 x 0.145	10 x 0.833	£298,577	£227,824	£115,287	£64,169	0	£697,061

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,052,715
D/S TCB (3.2m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,047,078
D/S OBB (2.4m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,060,581
2 rows of S/S TCB (3.2m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,077,957
2 rows of S/S OBB (2.4m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,122,175
2 rows of DROBB (2.4m p/s)	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	15	£1,156,384
Slipformed VCB	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£896,684
Slipformed HVCB	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£1,131,407
Dutch Step Barrier	15	15 x 0.022	15 x 0.145	15 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£864,485

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,211,829
D/S TCB (3.2m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,210,948
D/S OBB (2.4m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,222,198
2 rows of S/S TCB (3.2m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,238,865
2 rows of S/S OBB (2.4m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,281,182
2 rows of DROBB (2.4m p/s)	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	20	£1,312,275
Slipformed VCB	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£1,029,927
Slipformed HVCB	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£1,264,651
Dutch Step Barrier	20	20 x 0.022	20 x 0.145	20 x 0.833	£447,866	£341,736	£172,931	£64,169	0	£997,729

Table M2: WLC of Crossover Accidents

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£454,795
D/S TCB (3.2m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£431,867
D/S OBB (2.4m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£453,805
2 rows of S/S TCB (3.2m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£473,403
2 rows of S/S OBB (2.4m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£524,754
2 rows of DROBB (2.4m p/s)	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£570,623
Slipformed VCB	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£395,903
Slipformed HVCB	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£630,626
Dutch Step Barrier	0	0 x 0.073	0 x 0.24	0 x 0.686	£0	£0	£0	£0	0	£363,704

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£902,437
D/S TCB (3.2m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£885,688
D/S OBB (2.4m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£904,683
2 rows of S/S TCB (3.2m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£923,429
2 rows of S/S OBB (2.4m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£972,205
2 rows of DROBB (2.4m p/s)	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£1,013,866
Slipformed VCB	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£837,857
Slipformed HVCB	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£1,077,912
Dutch Step Barrier	5	5 x 0.073	5 x 0.24	5 x 0.686	£495,367	£188,544	£47,471	£146,276	5	£805,659

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,279,359
D/S TCB (3.2m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,267,941
D/S OBB (2.4m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,284,265
2 rows of S/S TCB (3.2m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,302,383
2 rows of S/S OBB (2.4m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,348,986
2 rows of DROBB (2.4m p/s)	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,387,093
Slipformed VCB	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,209,970
Slipformed HVCB	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,454,515
Dutch Step Barrier	10	10 x 0.073	10 x 0.24	10 x 0.686	£990,734	£377,088	£94,942	£146,276	10	£1,177,774

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,693,486
D/S TCB (3.2m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,687,849
D/S OBB (2.4m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,701,352
2 rows of S/S TCB (3.2m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,718,728
2 rows of S/S OBB (2.4m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,762,946
2 rows of DROBB (2.4m p/s)	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,797,155
Slipformed VCB	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,618,825
Slipformed HVCB	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,868,303
Dutch Step Barrier	15	15 x 0.073	15 x 0.24	15 x 0.686	£1,486,101	£565,632	£142,414	£146,276	15	£1,586,630

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,023,092
D/S TCB (3.2m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,022,211
D/S OBB (2.4m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,033,461
2 rows of S/S TCB (3.2m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,050,128
2 rows of S/S OBB (2.4m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,092,445
2 rows of DROBB (2.4m p/s)	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,123,538
Slipformed VCB	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£1,944,213
Slipformed HVCB	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£2,197,618
Dutch Step Barrier	20	20 x 0.073	20 x 0.24	20 x 0.686	£1,981,468	£754,176	£189,885	£146,276	20	£1,912,019

Table M3: WLC of Retaining Accidents

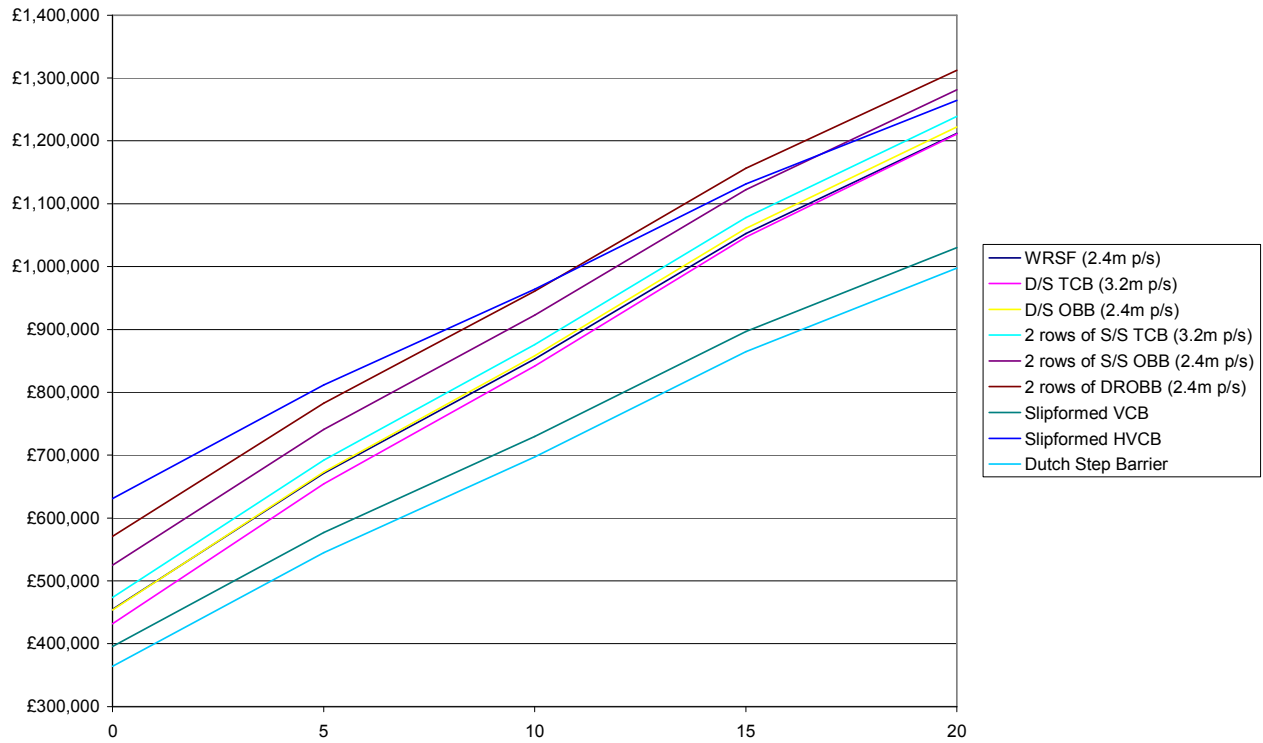
Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£454,795
D/S TCB (3.2m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£431,867
D/S OBB (2.4m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£453,805
2 rows of S/S TCB (3.2m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£473,403
2 rows of S/S OBB (2.4m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£524,754
2 rows of DROBB (2.4m p/s)	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£570,623
Slipformed VCB	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£395,903
Slipformed HVCB	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£630,626
Dutch Step Barrier	0	0 x 0.018	0 x 0.143	0 x 0.839	£0	£0	£0	£0	0	£363,704

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£654,905
D/S TCB (3.2m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£638,156
D/S OBB (2.4m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£657,050
2 rows of S/S TCB (3.2m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£675,897
2 rows of S/S OBB (2.4m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£724,672
2 rows of DROBB (2.4m p/s)	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	5	£766,333
Slipformed VCB	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	0	£560,918
Slipformed HVCB	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	0	£795,641
Dutch Step Barrier	5	5 x 0.018	5 x 0.143	5 x 0.839	£122,145	£112,341	£58,059	£58,509	0	£528,719

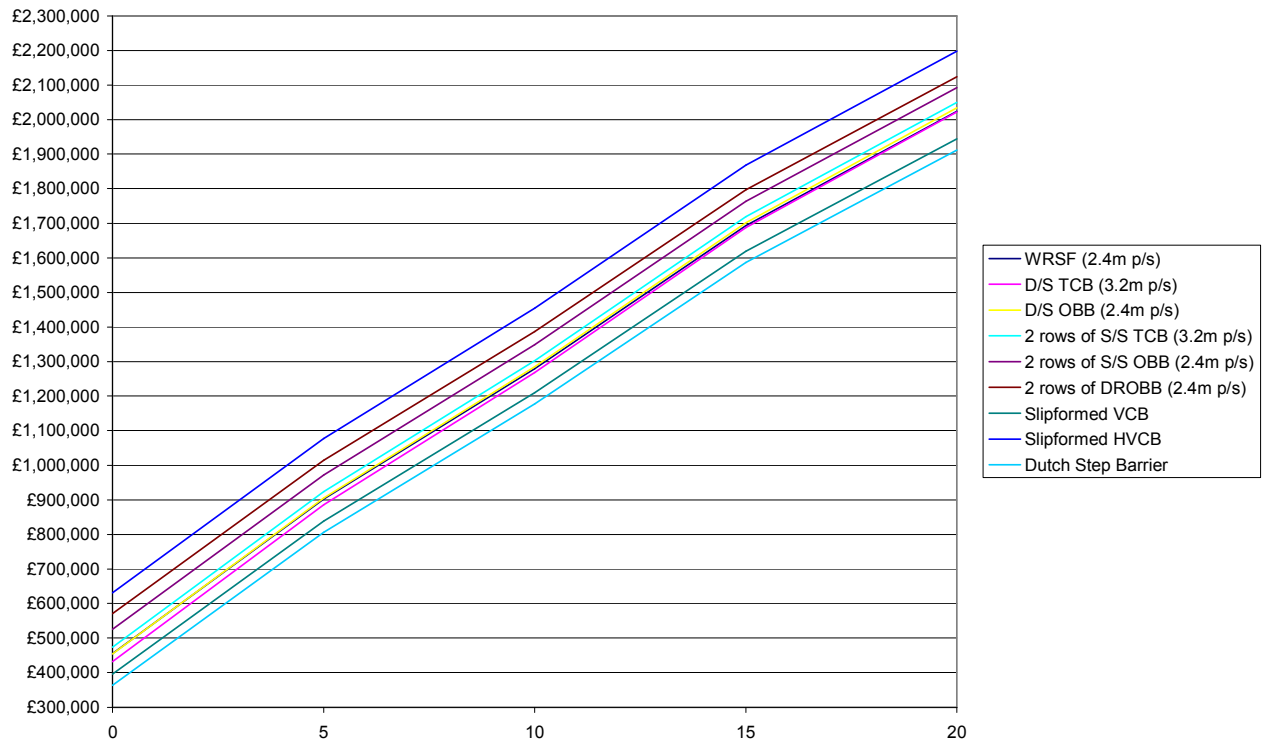
Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£823,411
D/S TCB (3.2m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£811,993
D/S OBB (2.4m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£828,317
2 rows of S/S TCB (3.2m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£846,435
2 rows of S/S OBB (2.4m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£893,038
2 rows of DROBB (2.4m p/s)	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	10	£931,145
Slipformed VCB	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	0	£699,586
Slipformed HVCB	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	0	£934,579
Dutch Step Barrier	10	10 x 0.018	10 x 0.143	10 x 0.839	£244,291	£224,682	£116,118	£58,509	0	£667,657

Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,008,544
D/S TCB (3.2m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,002,906
D/S OBB (2.4m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,016,410
2 rows of S/S TCB (3.2m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,033,785
2 rows of S/S OBB (2.4m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,078,004
2 rows of DROBB (2.4m p/s)	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	15	£1,112,213
Slipformed VCB	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	0	£852,515
Slipformed HVCB	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	0	£1,087,236
Dutch Step Barrier	15	15 x 0.018	15 x 0.143	15 x 0.839	£366,436	£337,022	£174,176	£58,509	0	£820,314

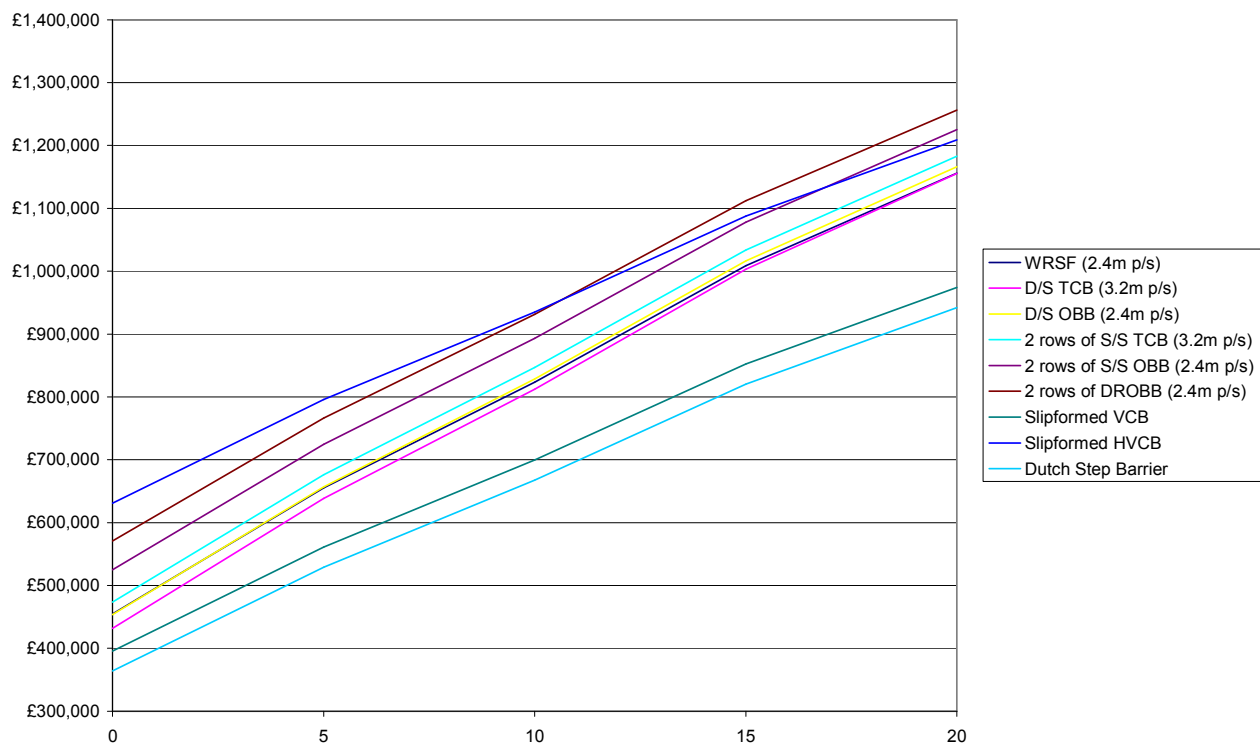
Column Number:	1	2	3	4	5	6	7	8	9	10
Safety Barrier Type	Number of Accidents during WL	Number of Fatal Injuries	Number of Serious Injuries	Number of Slight Injuries	Column 2 x £1,357,170: Accident Cost	Column 3 x £157,120: Accident Cost	Column 4 x £13,840: Accident Cost	Average Accident cost	Number of Repairs required during whole life (estimated)	TOTAL WLC (including accident costs)
WRSF (2.4m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,155,905
D/S TCB (3.2m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,155,024
D/S OBB (2.4m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,166,274
2 rows of S/S TCB (3.2m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,182,941
2 rows of S/S OBB (2.4m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,225,258
2 rows of DROBB (2.4m p/s)	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	20	£1,256,351
Slipformed VCB	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	0	£974,005
Slipformed HVCB	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	0	£1,208,727
Dutch Step Barrier	20	20 x 0.018	20 x 0.143	20 x 0.839	£488,581	£449,363	£232,235	£58,509	0	£941,806



Graph M1: Whole life Costs Associated with Accidents in which the vehicle rebounds from the Median Barrier



Graph M2: Whole life Costs Associated with Accidents in which the vehicle crosses the Median



Graph M3: Whole life Costs Associated with Accidents in which the vehicle is retained by the Median Barrier