

From A. C. LANG

To H. Guttridge ✓  
c.c. Dr. A. G. Stacey  
G. T. Sharp  
cfi. J. C. Thorn

Our ref. ACL/RW  
Date 9th August, 1988

WIRE ROPE SAFETY FENCE - M.62 ACCIDENT ANALYSIS

Further to our discussions on the accident reports, we have analysed these and enclose a detailed analysis for your consideration. We are still awaiting reports for more recent accidents which West Yorkshire Police have agreed to supply us with - the system for collating information in their own offices is still in place but in the absence of any request, has fallen into dis-use. They will correct this.



A. C. LANG

# BRIDON ROPES

## BRIFEN<sup>®</sup> Wire Rope Safety Fence

### Analysis of M62 U.K. accident statistics involving BRIFEN Wire Rope Safety Fence

Driving Conditions		%
Road Surface	- Dry	53
	- Wet	25
	- Snow/Ice	22
Weather	- Fine	58
	- Wet	18
	- Snow/Ice	18
	- High Winds	3
	- Fog	3
Vehicle Type		
	- Car	79
	- Coach/HGV	18
	- Motor Cycle	3
Accident Details/Outcome		
Speed on barrier impact	→ 50 mph	40
	50 → 70	57
	Above 70	3
Injuries	- None	68
	- Slight	29
	- Serious	3
Damage to vehicle	- Minor	50
	- Extensive	50
No. of posts knocked over	1 → 10	64
	11 → 30	14
	Above 30	21
Final positioning of vehicle	- Carriageway	11
	- Central Reservation	89
Vehicles crossing/penetrating to opposing carriageway	- Yes	Nil
	- No	100*

\*In one instance a vehicle (articulated HGV) straddled the barrier.



1262

NO.	REF. NO.	YEAR	MONTH	SURFACE	DIRECTION	WEATHER	VEHICLE	CONDITION	SPEED	CAUSE	OCCUPANTS	SEAT BELT	INJURIES	IMPACT	DIRECTION	POSITION	POSTS DOWN	DAMAGE	ROAD	DAMAGE	PENETRATION
1	0	17771	1971	8 DRY	EAST	FINE	CAR	GOOD	60	OVERHALE	1 NO	NO	FORWARDS	EAST	CARRIAGEWAY	69 MINOR	-	-	-	NO	
2	2	1211074	1974	8 DRY	EAST	FINE	CAR	GOOD	35	WIND	3 UNKNOWN	SLIGHT	EAST	EAST	CARRIAGEWAY	41 MINOR	-	-	-	NO	
3	3	12112476	1976	8 DRY	EAST	FINE	COACH	GOOD	55	PUNCTURE	46 NO	NO	EAST	EAST	C. RESERVIN.	44 MINOR	-	-	-	NO	
4	0	12110476	1976	9 DRY	EAST	FINE	CAR	GOOD	50	PUNCTURE	4 NO	NO	EAST	EAST	UNKNOWN	2 EXTENSIVE	-	-	-	NO	
5	0	12225378	1978	11 DRY	EAST	FINE	CAR	GOOD	50		1 YES	NO	S. EAST	S. EAST	UNKNOWN	5 MINOR	-	-	-	NO	
6	RT	12301	1981	2 SNOW	WEST	SNOW	HEV	GOOD	30	WEATHER	1 NO	NO	WEST	WEST	C. RESERVIN.	9 MINOR	-	-	-	YES	
7	0	12132081	1981	7 DRY	WEST	FINE	CAR	GOOD	60	CARELESS	1 NO	NO	WEST	WEST	CARRIAGEWAY	36 EXTENSIVE	-	-	-	NO	
8	0	12195481	1981	12 NET	EAST	FINE	CAR	GOOD	45	HEV JACKKINED	2 YES	SLIGHT	EAST	EAST	CARRIAGEWAY	7 MINOR	-	-	-	NO	
9	0	1313082	1982	2 ICE	WEST	FINE	CAR	GOOD	35	WEATHER	2 UNKNOWN	NO	WEST	WEST	C. RESERVIN.	10 MINOR	-	-	-	NO	
10	0	1313082	1982	2 NET	WEST	M/W	C/C	GOOD	40	WEATHER	1 N/A	NO	WEST	WEST	C. RESERVIN.	0 MINOR	-	-	-	NO	
11	0	1316982	1982	2 ICE	EAST	FOS	CAR	GOOD	40	WEATHER	1 UNKNOWN	NO	WEST	WEST	CARRIAGEWAY	1 MINOR	-	-	-	NO	
12	0	1316982	1982	1 SNOW	EAST	WIND	HEV	DAMAGED	25	WEATHER	1 NO	SLIGHT	EAST	EAST	DRIVE OFF	10 MINOR	-	-	-	NO	
13	0	13126083	1983	10 NET	EAST	FINE	CAR	DAMAGED	W/2 FELL ASLEEP		1 YES	NO	EAST	EAST	C. RESERVIN.	43 EXTENSIVE	-	-	-	NO	
14	0	1278483	1983	12 SNOW	WEST	SNOW	CAR	DAMAGED	60	WEATHER	2 YES	SLIGHT	WEST	WEST	C. RESERVIN.	32 W/O	-	-	-	NO	
15	0	1278483	1983	12 DRY	EAST	WIND	CAR	DAMAGED	70	COLLISION	2 YES	SLIGHT	PERP.	PERP.	CARRIAGEWAY	5 W/O	-	-	-	NO	
16	0	135184	1984	1 SNOW	EAST	SNOW	CAR	DAMAGED	40	WEATHER	2 YES	NO	EAST	EAST	CARRIAGEWAY	3 MINOR	-	-	-	NO	
17	0	1317494	1984	2 NET	EAST	WIND	CAR	GOOD	70	WEATHER	1 YES	NO	S. EAST	S. EAST	DRIVE OFF	11 MINOR	-	-	-	NO	
18	0	1218884	1984	4 DRY	EAST	FINE	CAR	GOOD	100	ALCOHOL	1 YES	SLIGHT	S. EAST	S. EAST	CARRIAGEWAY	38 W/O	-	-	-	NO	
19	0	1352184	1984	7 DRY	WEST	FINE	CAR	GOOD	60	DEBRIS	1 YES	NO	WEST	WEST	CARRIAGEWAY	10 EXTENSIVE	-	-	-	NO	
20	ED	132485	1985	1 SNOW	WEST	SNOW	HEV	GOOD	60	JACKKINED	1 N/A	NO	BACKWARDS	BACKWARDS	C. RESERVIN.	20 EXTENSIVE	-	-	-	NO	
21	ED	1324886	1985	8 DRY	EAST	FINE	CAR	DAMAGED	65	UNKNOWN	1 UNKNOWN	NO	EAST	EAST	CARRIAGEWAY	14 EXTENSIVE	-	-	-	NO	
22	EA	1236286	1985	9 DRY	EAST	FINE	CAR	GOOD	60	OTHER VEN.	1 YES	SLIGHT	S. EAST	S. EAST	C. RESERVIN.	7 EXTENSIVE	-	-	-	NO	
23	ED	1332786	1985	11 DRY	WEST	FINE	CAR	GOOD	60	PUNCTURE	1 YES	NO	WEST	WEST	CARRIAGEWAY	4 MINOR	-	-	-	NO	
24	ED	1342886	1985	12 NET	WEST	WIND	CAR	GOOD	60	WEATHER	1 YES	NO	NORTH	NORTH	C. RESERVIN.	9 MINOR	-	-	-	NO	
25	ED	1343886	1985	12 NET	WEST	WIND	CAR	GOOD	60	OTHER VEN.	1 YES	NO	EAST	EAST	C. RESERVIN.	8 EXTENSIVE	-	-	-	NO	
26	ED	13387	1987	1 NET	EAST	WIND	CAR	DAMAGED	60	WEATHER	1 YES	NO	WEST	WEST	CARRIAGEWAY	25 EXTENSIVE	-	-	-	NO	
27	EA	124987	1987	1 DRY	EAST	FINE	CAR	GOOD	60	OVERTAKING	1 YES	SLIGHT	SPLINTERS	SPLINTERS	C. RESERVIN.	3 W/O	-	-	-	NO	
28	ED	133787	1987	3 DRY	EAST	FINE	CAR	GOOD	70	OTHER VEN.	1 YES	NO	EAST	EAST	C. RESERVIN.	8 MINOR	-	-	-	NO	
29	ED	1314387	1987	4 DRY	EAST	FINE	CAR	GOOD	70	SPEED AT BEND	1 YES	NO	EAST	EAST	CARRIAGEWAY	3 MINOR	-	-	-	NO	
30	ED	1314487	1987	4 DRY	EAST	FINE	CAR	GOOD	70	SPEED	2 YES	NO	EAST	EAST	C. RESERVIN.	6 UNKNOWN	-	-	-	NO	
31	ED	1316687	1987	5 DRY	WEST	WIND	CAR	GOOD	60	CARELESS	1 YES	NO	OVERTURNED	OVERTURNED	CARRIAGEWAY	15 EXTENSIVE	-	-	-	NO	

NO	VEHICLE	VEHICLE	WEATHER	WEATHER	WEATHER	WEATHER
30	1	1	17	7	5	2
VEHICLE	VEHICLE	WEATHER	WEATHER	WEATHER	WEATHER	WEATHER
CAR	COACH	FINE	WIND	SNOW	FOG	1
26	1	18	8	4	4	1

NO	VEHICLE	DAMAGE	DAMAGE	DAMAGE	DAMAGE
M/C	HEV	MINOR	EXTENSIVE	UNKNOWN	N/A
1	1	15	10	1	4

NO	POSITION	POSITION	INJURIES	INJURIES
CARRIAGEWAY	C. RESERVIN.	NO	SLIGHT	8
13	14	23	8	

NO	POSITION	POSITION
DRIVE OFF	UNKNOWN	2
2	2	2