

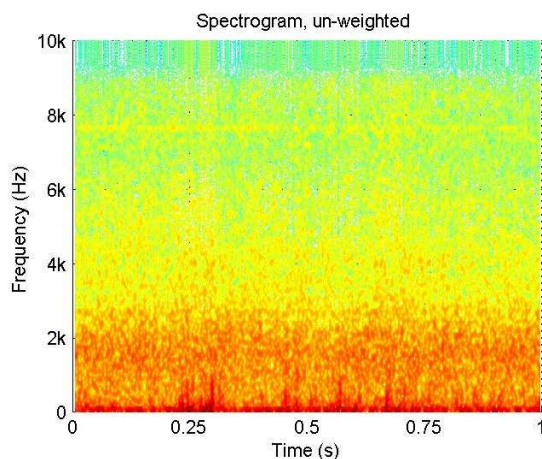
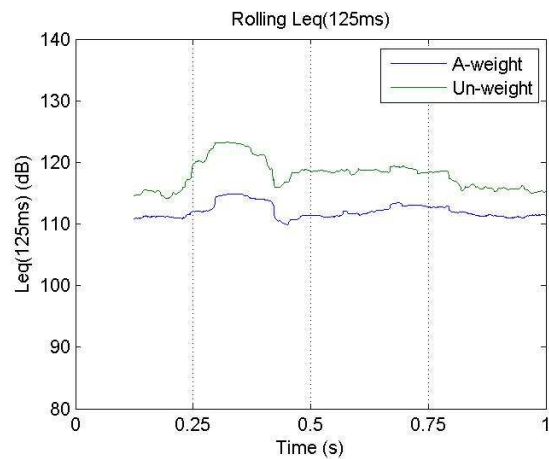
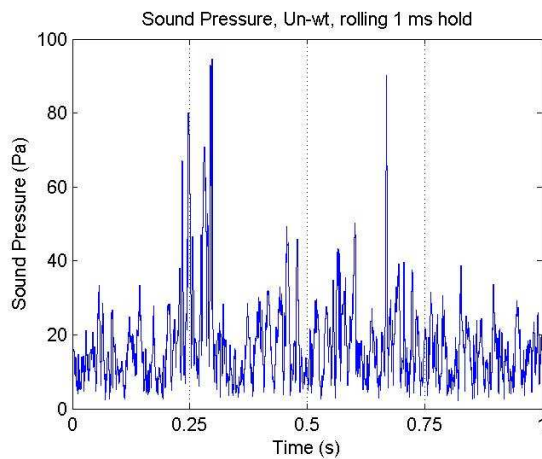
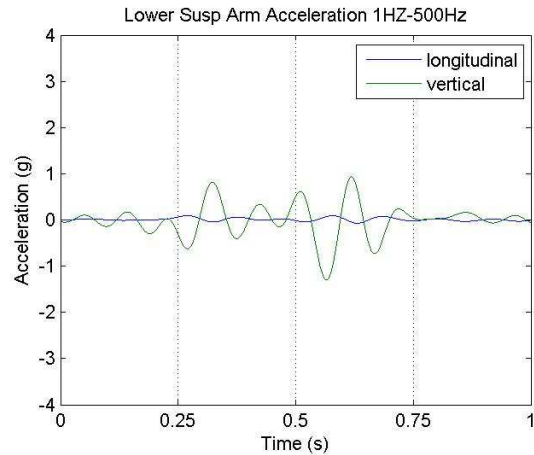
Bridge Structure Number: BSN NA

Name: AERODROME BRIDGE (WESTBOUND)
Route Position: 2 151 5.94
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 09:09:28
Marker No: 1

Latitude: -37.666193
Longitude: 176.181035
Speed (km/h): 72.6

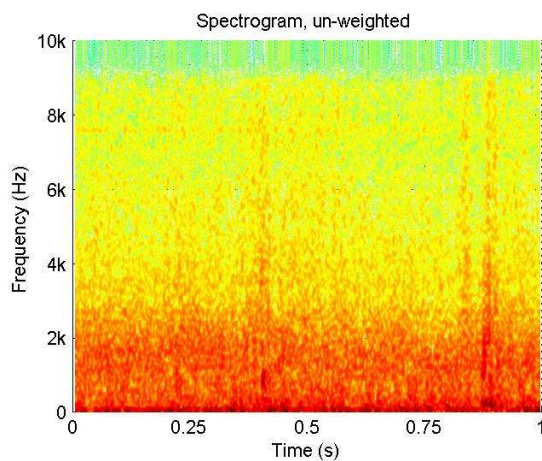
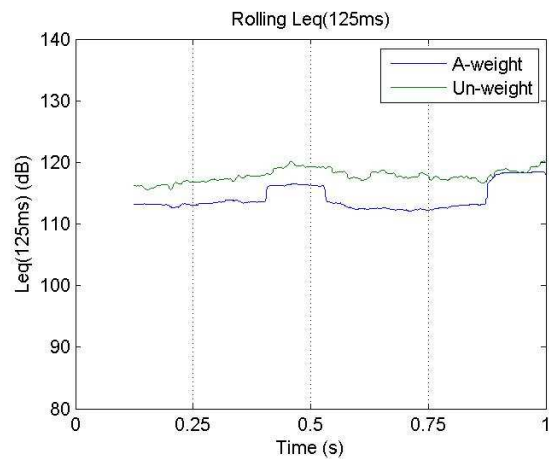
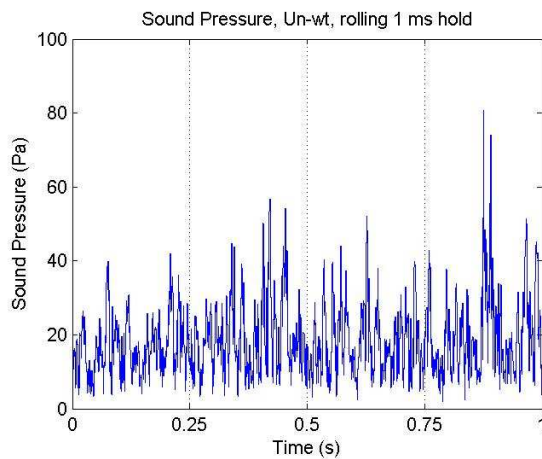
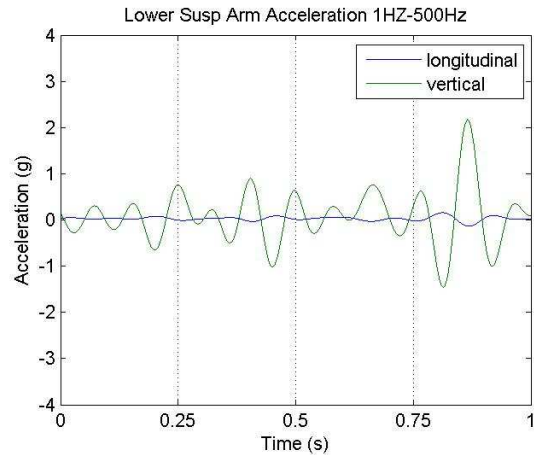


Acceleration – Maximum vertical (g): 1.29
Acceleration – Maximum longitudinal (g): 0.09
Displacement – Maximum vertical (mm): 13.09
Displacement – Maximum longitudinal (mm): 0.95
Noise Peak Sound Pressure (Pa): 94.56
Average sound level, Leq(1s) (dB): 118.40
Average sound level, LAeq(1s) (dB): 112.13
Maximum sound level, Leq(125ms) (dB): 123.26
Maximum sound level, LAeq(125ms) (dBA): 114.88

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.675000
 Date: 16-05-13 Longitude: 176.177252
 Time: 09:13:06 Speed (km/h): 86.3
 Marker No: 1

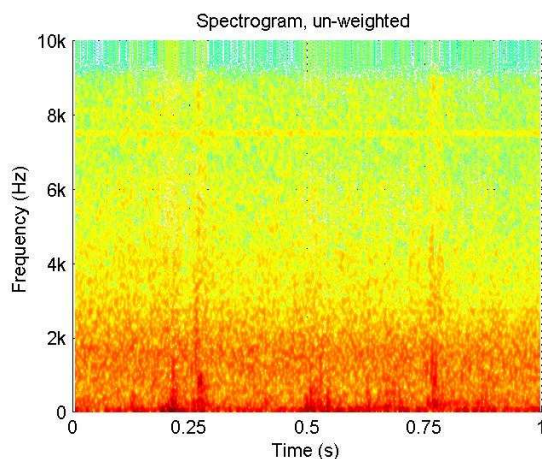
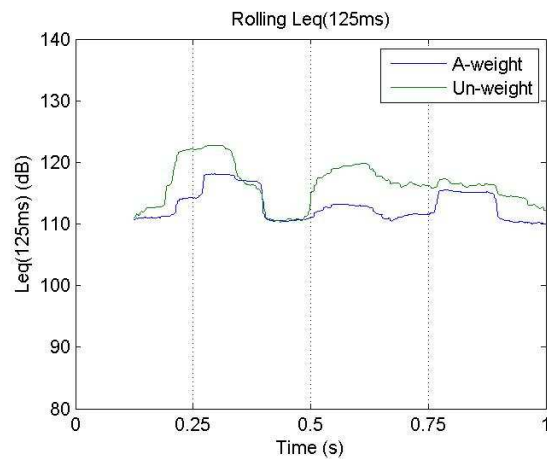
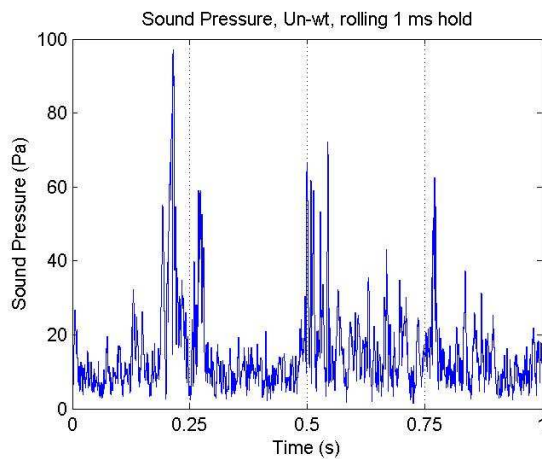
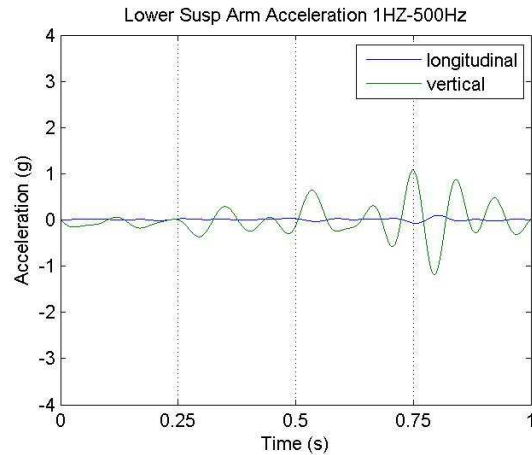


Acceleration – Maximum vertical (g): 2.17
 Acceleration – Maximum longitudinal (g): 0.16
 Displacement – Maximum vertical (mm): 22.01
 Displacement – Maximum longitudinal (mm): 1.61
 Noise Peak Sound Pressure (Pa): 80.80
 Average sound level, Leq(1s) (dB): 117.98
 Average sound level, LAeq(1s) (dB): 114.63
 Maximum sound level, Leq(125ms) (dB): 120.21
 Maximum sound level, LAeq(125ms) (dBA): 118.51

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.673263
 Date: 16-05-13 Longitude: 176.179718
 Time: 11:00:05 Speed (km/h): 85.9
 Marker No: 1



Acceleration – Maximum vertical (g): 1.19
 Acceleration – Maximum longitudinal (g): 0.10
 Displacement – Maximum vertical (mm): 12.03
 Displacement – Maximum longitudinal (mm): 1.02
 Noise Peak Sound Pressure (Pa): 97.19
 Average sound level, Leq(1s) (dB): 117.32
 Average sound level, LAeq(1s) (dB): 113.44
 Maximum sound level, Leq(125ms) (dB): 122.72
 Maximum sound level, LAeq(125ms) (dBA): 118.11

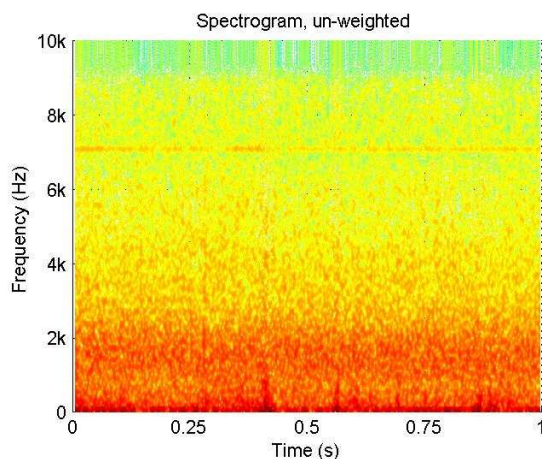
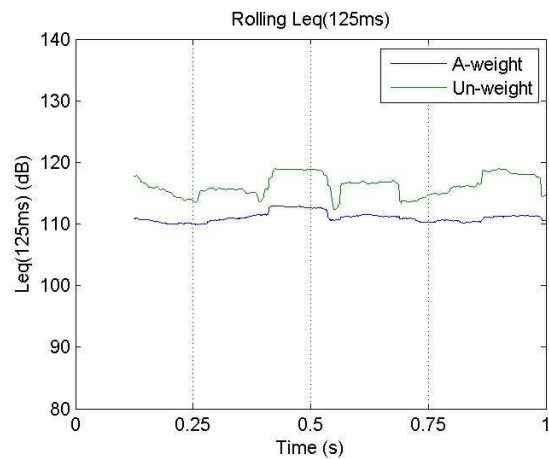
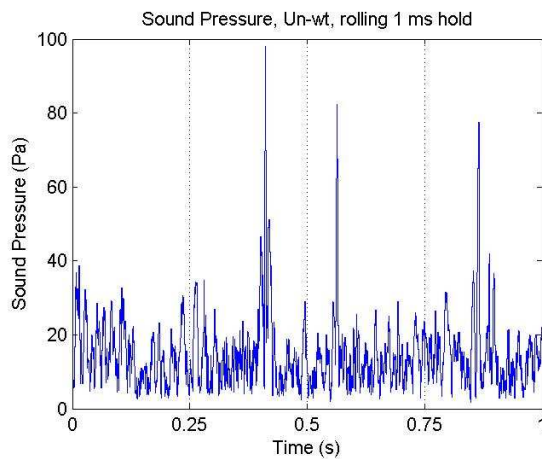
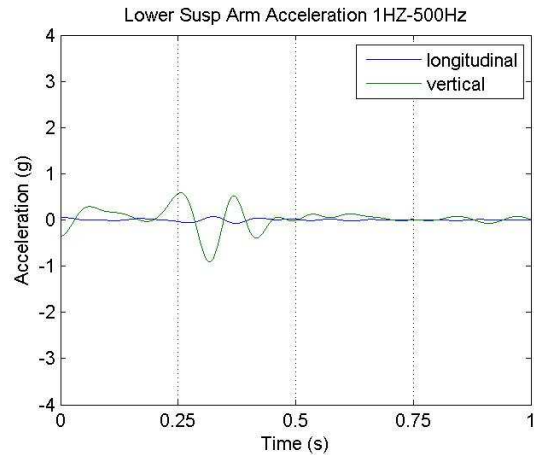
Bridge Structure Number: BSN NA

Name: AERODROME BRIDGE (WESTBOUND)
Route Position: 2 151 5.94
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 11:07:32
Marker No: 1

Latitude: -37.666048
Longitude: 176.181098
Speed (km/h): 76.5

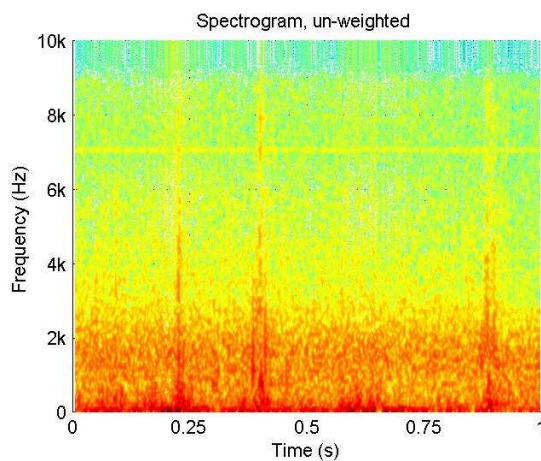
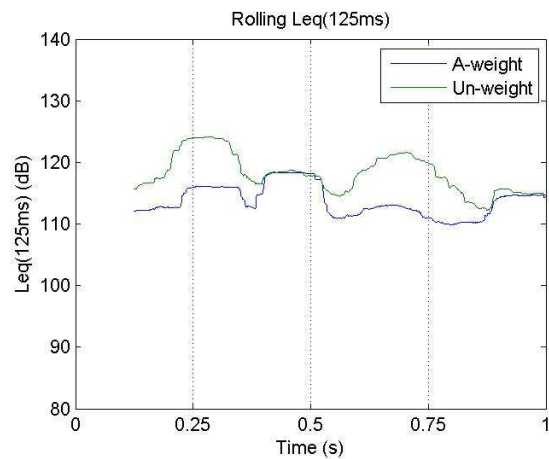
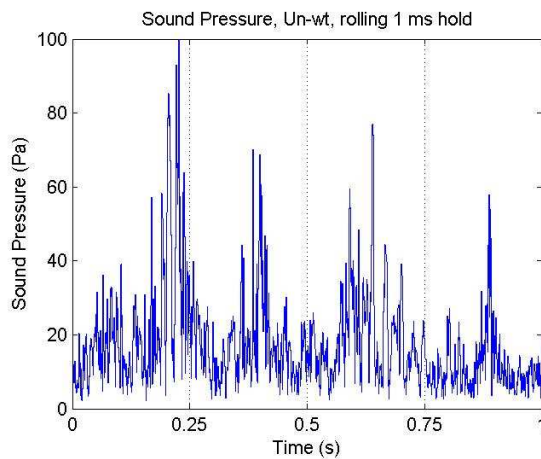
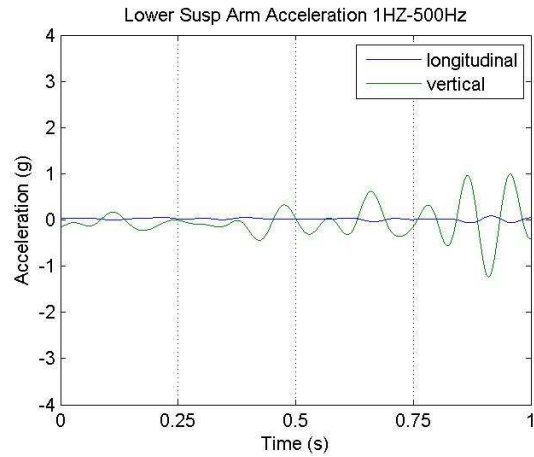


Acceleration – Maximum vertical (g): 0.91
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 9.21
Displacement – Maximum longitudinal (mm): 0.75
Noise Peak Sound Pressure (Pa): 97.94
Average sound level, Leq(1s) (dB): 116.64
Average sound level, LAeq(1s) (dB): 111.09
Maximum sound level, Leq(125ms) (dB): 119.01
Maximum sound level, LAeq(125ms) (dBA): 112.97

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674943
 Date: 16-05-13 Longitude: 176.177257
 Time: 11:10:40 Speed (km/h): 87.0
 Marker No: 1



Acceleration – Maximum vertical (g): 1.23
 Acceleration – Maximum longitudinal (g): 0.09
 Displacement – Maximum vertical (mm): 12.52
 Displacement – Maximum longitudinal (mm): 0.88
 Noise Peak Sound Pressure (Pa): 119.16
 Average sound level, Leq(1s) (dB): 118.91
 Average sound level, LAeq(1s) (dB): 114.20
 Maximum sound level, Leq(125ms) (dB): 124.11
 Maximum sound level, LAeq(125ms) (dBA): 118.42

Bridge Structure Number: BSN NA

Name: AERODROME BRIDGE (WESTBOUND)

Route Position: 2 151 5.94

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

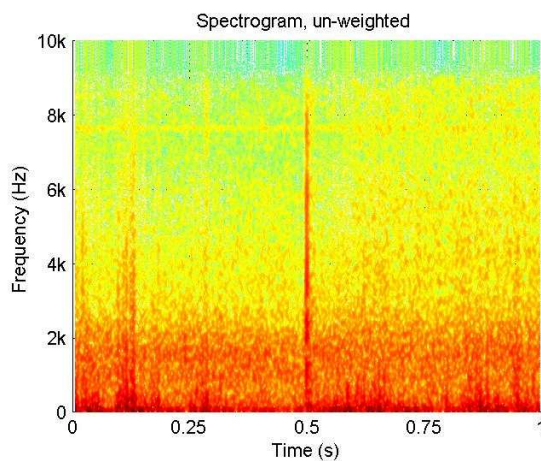
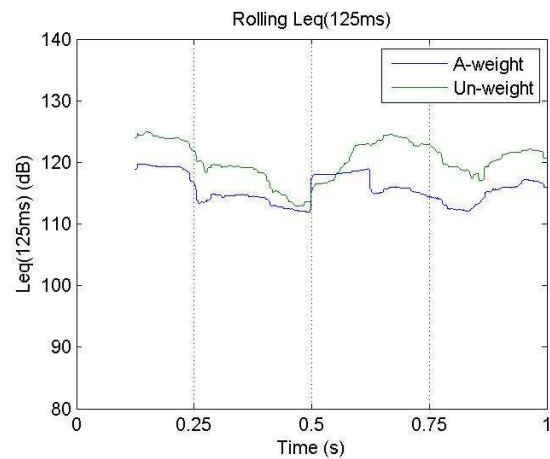
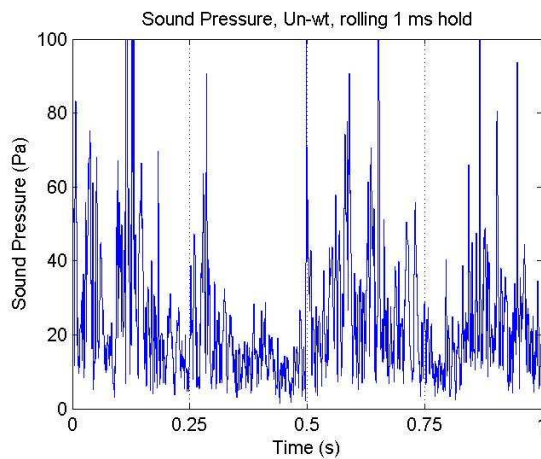
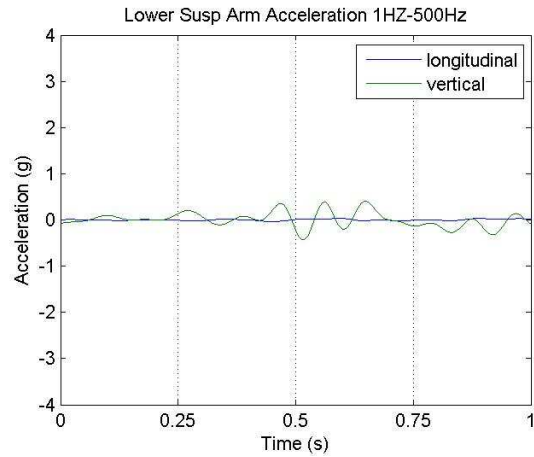
Time: 09:09:28

Marker No: 2

Latitude: -37.666855

Longitude: 176.180547

Speed (km/h): 76.3

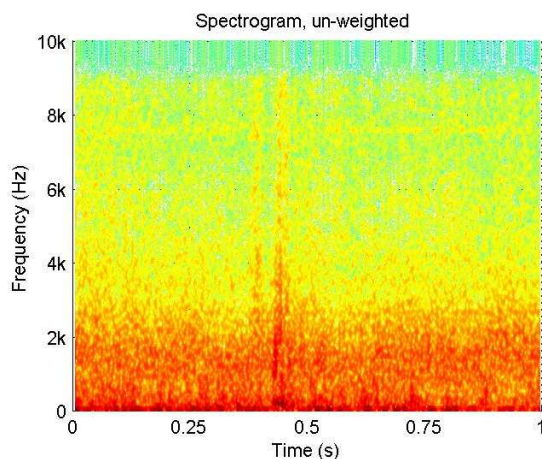
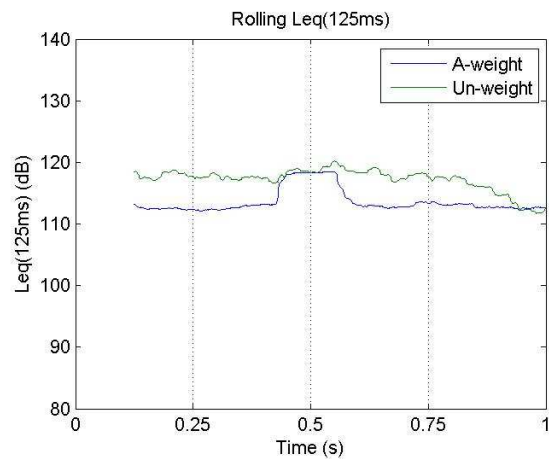
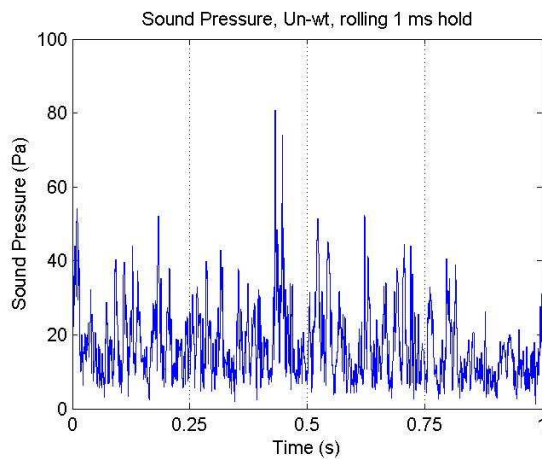
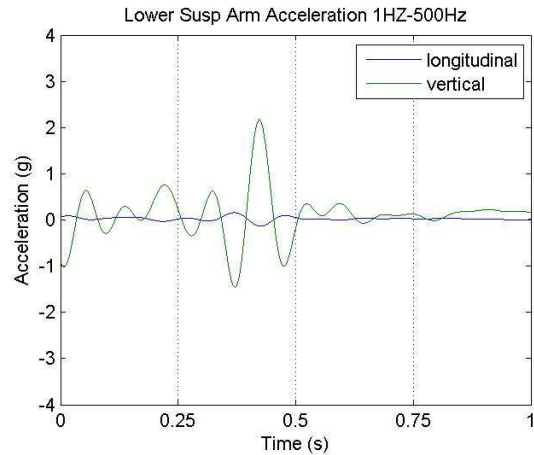


Acceleration – Maximum vertical (g): 0.43
Acceleration – Maximum longitudinal (g): 0.04
Displacement – Maximum vertical (mm): 4.37
Displacement – Maximum longitudinal (mm): 0.37
Noise Peak Sound Pressure (Pa): 157.69
Average sound level, Leq(1s) (dB): 121.41
Average sound level, LAeq(1s) (dB): 116.36
Maximum sound level, Leq(125ms) (dB): 124.98
Maximum sound level, LAeq(125ms) (dBA): 119.78

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.675058
 Date: 16-05-13 Longitude: 176.176990
 Time: 09:13:06 Speed (km/h): 86.3
 Marker No: 2

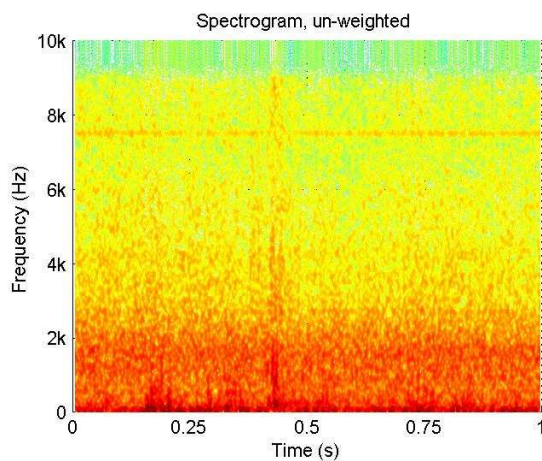
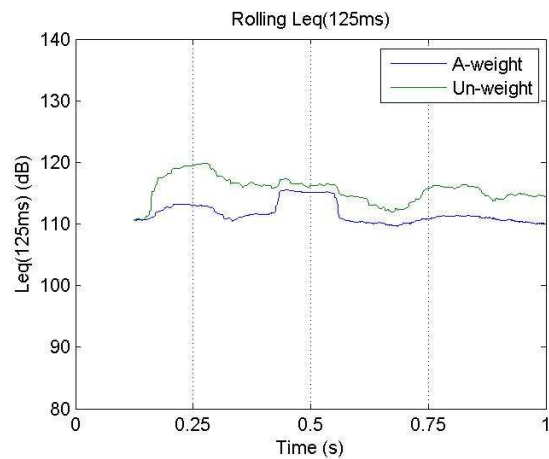
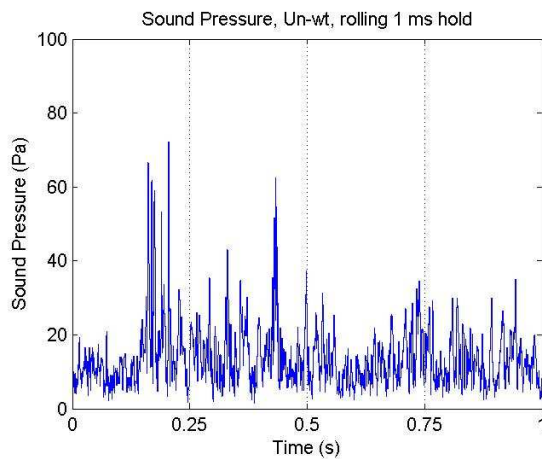
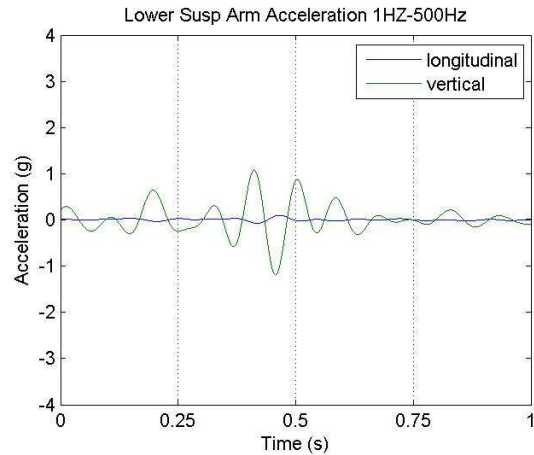


Acceleration – Maximum vertical (g): 2.17
 Acceleration – Maximum longitudinal (g): 0.16
 Displacement – Maximum vertical (mm): 22.01
 Displacement – Maximum longitudinal (mm): 1.61
 Noise Peak Sound Pressure (Pa): 80.80
 Average sound level, Leq(1s) (dB): 117.51
 Average sound level, LAeq(1s) (dB): 114.08
 Maximum sound level, Leq(125ms) (dB): 120.21
 Maximum sound level, LAeq(125ms) (dBA): 118.51

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.673263
 Date: 16-05-13 Longitude: 176.179718
 Time: 11:00:05 Speed (km/h): 86.9
 Marker No: 2



Acceleration – Maximum vertical (g): 1.19
 Acceleration – Maximum longitudinal (g): 0.10
 Displacement – Maximum vertical (mm): 12.03
 Displacement – Maximum longitudinal (mm): 1.02
 Noise Peak Sound Pressure (Pa): 72.19
 Average sound level, Leq(1s) (dB): 115.80
 Average sound level, LAeq(1s) (dB): 111.89
 Maximum sound level, Leq(125ms) (dB): 119.84
 Maximum sound level, LAeq(125ms) (dBA): 115.52

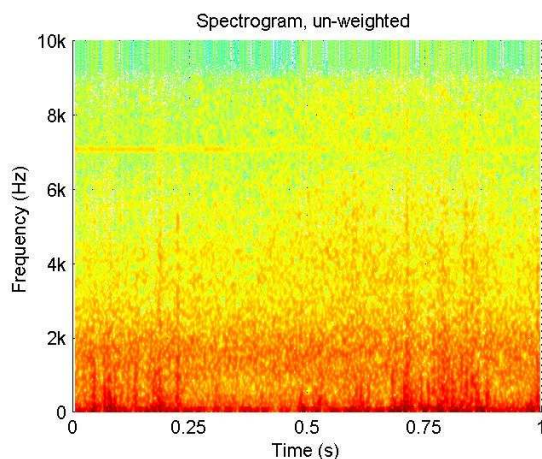
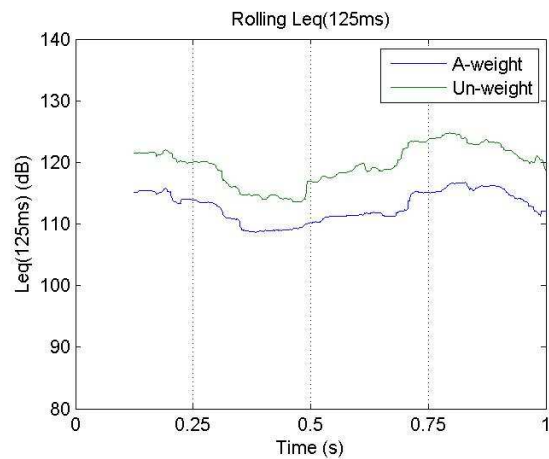
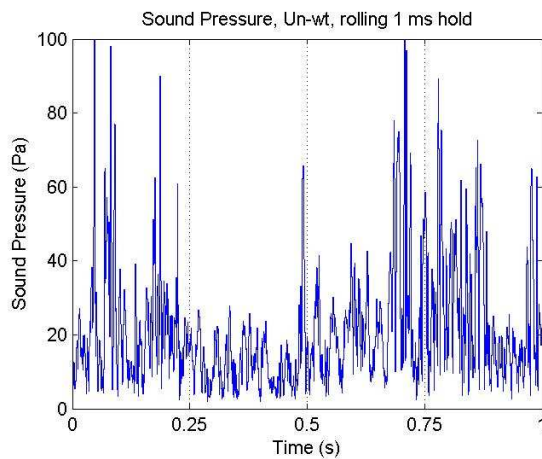
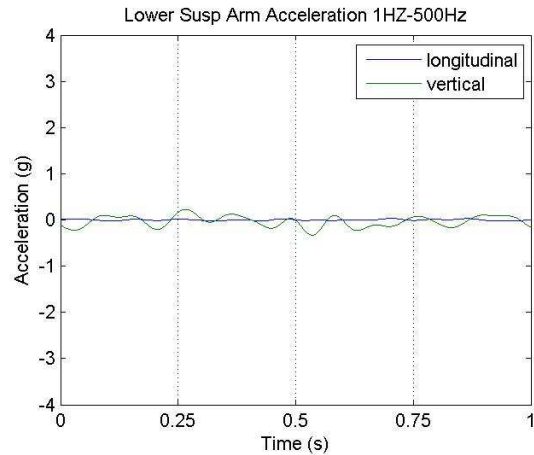
Bridge Structure Number: BSN NA

Name: AERODROME BRIDGE (WESTBOUND)
Route Position: 2 151 5.94
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 11:07:32
Marker No: 2

Latitude: -37.666722
Longitude: 176.180527
Speed (km/h): 81.9

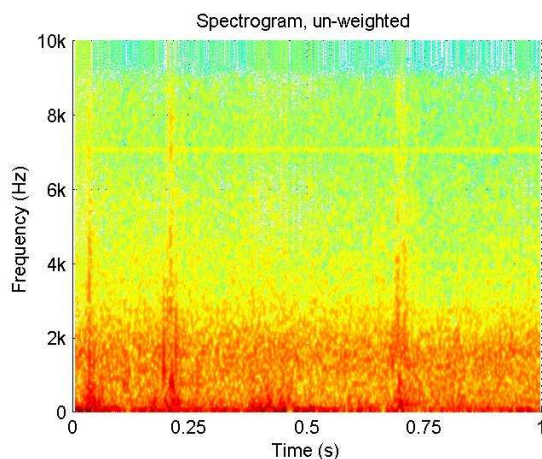
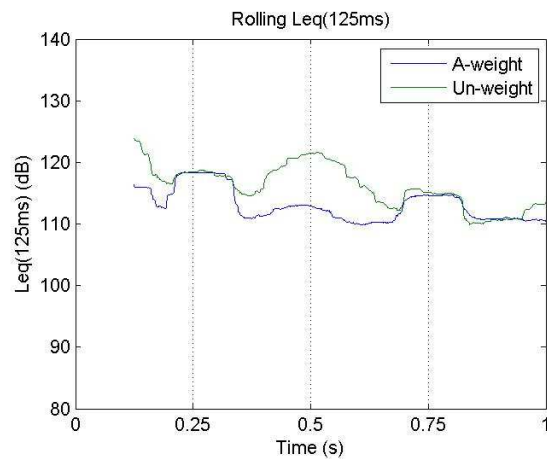
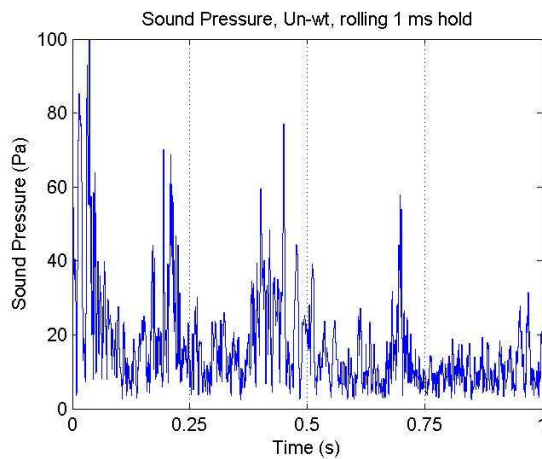
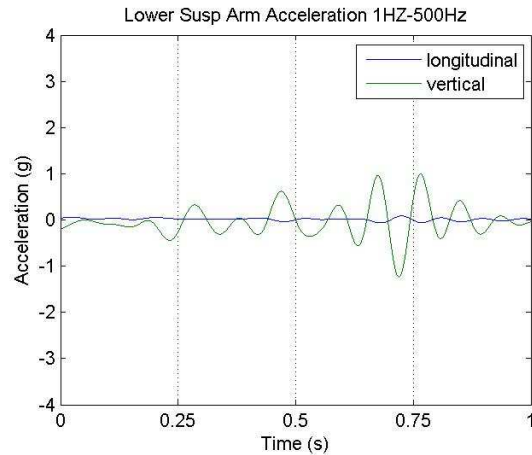


Acceleration – Maximum vertical (g): 0.33
Acceleration – Maximum longitudinal (g): 0.03
Displacement – Maximum vertical (mm): 3.34
Displacement – Maximum longitudinal (mm): 0.35
Noise Peak Sound Pressure (Pa): 126.64
Average sound level, Leq(1s) (dB): 120.66
Average sound level, LAeq(1s) (dB): 113.51
Maximum sound level, Leq(125ms) (dB): 124.76
Maximum sound level, LAeq(125ms) (dBA): 116.81

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.675003
 Date: 16-05-13 Longitude: 176.176995
 Time: 11:10:40 Speed (km/h): 87.0
 Marker No: 2

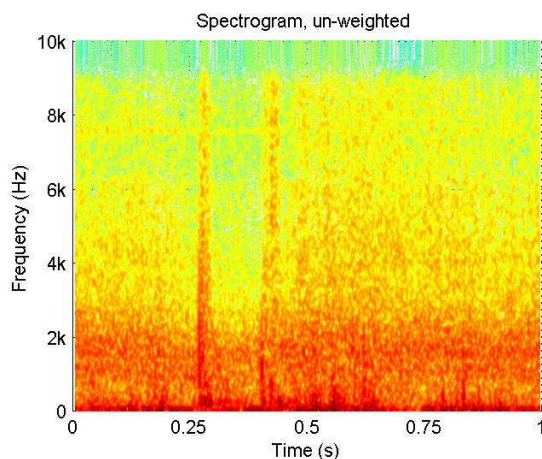
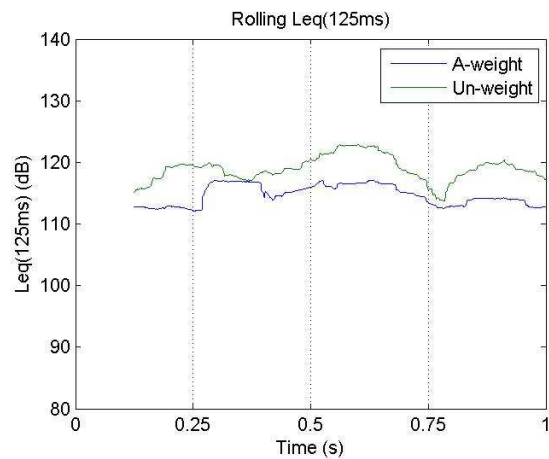
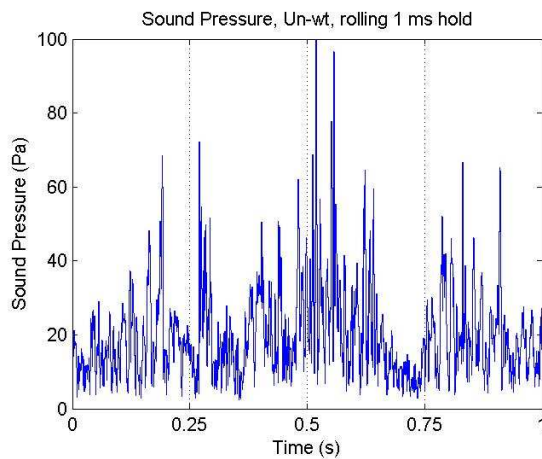
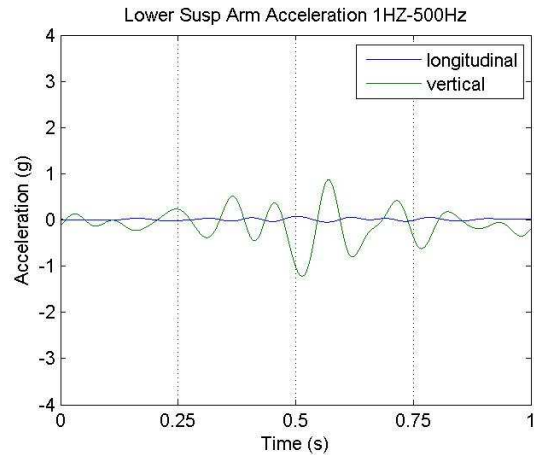


Acceleration – Maximum vertical (g): 1.23
 Acceleration – Maximum longitudinal (g): 0.09
 Displacement – Maximum vertical (mm): 12.52
 Displacement – Maximum longitudinal (mm): 0.88
 Noise Peak Sound Pressure (Pa): 119.16
 Average sound level, Leq(1s) (dB): 118.61
 Average sound level, LAeq(1s) (dB): 114.08
 Maximum sound level, Leq(125ms) (dB): 123.81
 Maximum sound level, LAeq(125ms) (dBA): 118.42

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674522
 Date: 16-05-13 Longitude: 176.171620
 Time: 09:13:06 Speed (km/h): 89.8
 Marker No: 3

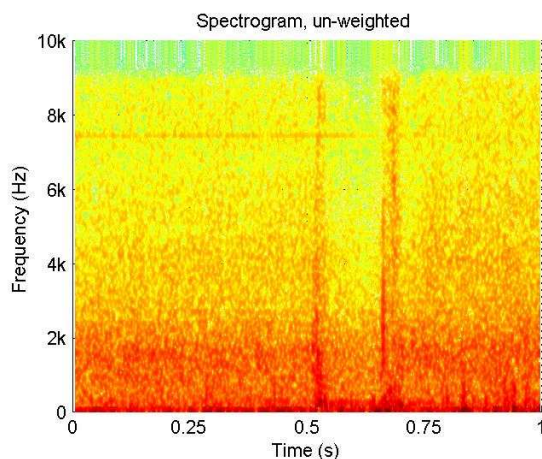
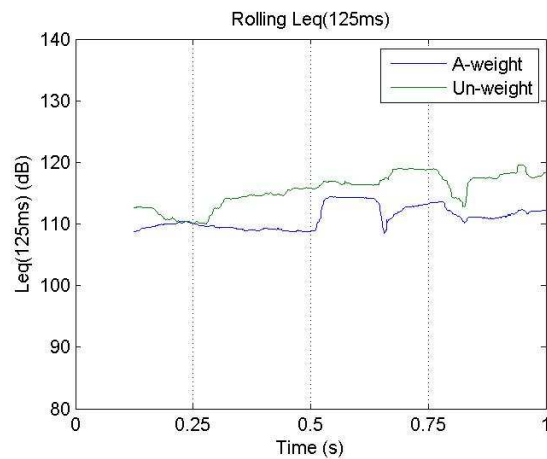
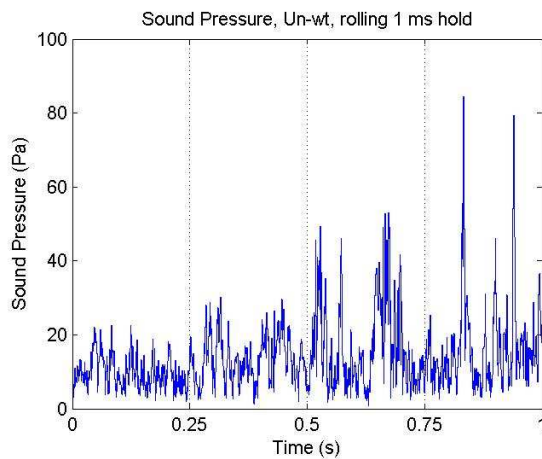
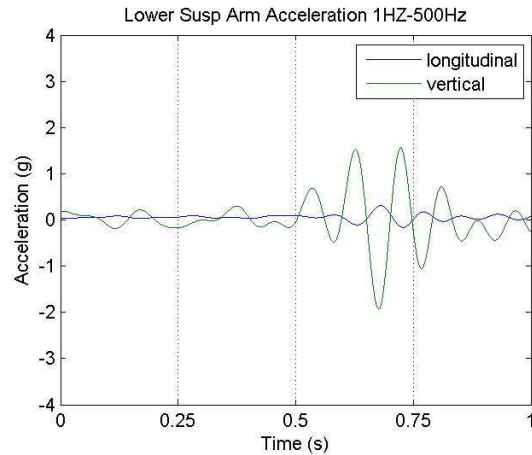


Acceleration – Maximum vertical (g): 1.22
 Acceleration – Maximum longitudinal (g): 0.08
 Displacement – Maximum vertical (mm): 12.34
 Displacement – Maximum longitudinal (mm): 0.82
 Noise Peak Sound Pressure (Pa): 99.80
 Average sound level, Leq(1s) (dB): 119.12
 Average sound level, LAeq(1s) (dB): 114.80
 Maximum sound level, Leq(125ms) (dB): 122.85
 Maximum sound level, LAeq(125ms) (dBA): 117.08

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.675163
 Date: 16-05-13 Longitude: 176.175040
 Time: 11:00:05 Speed (km/h): 83.5
 Marker No: 3

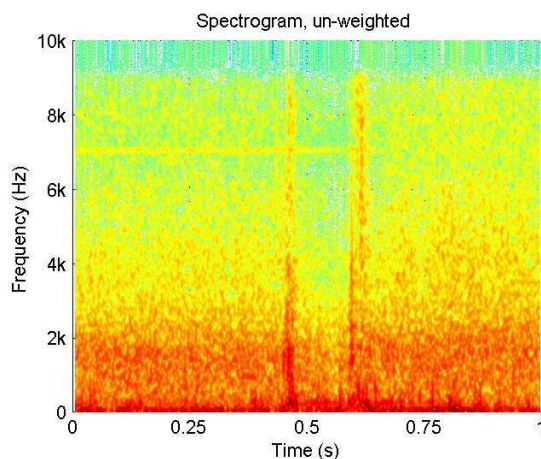
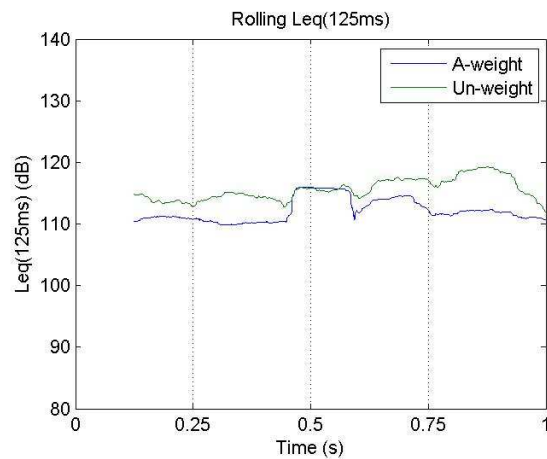
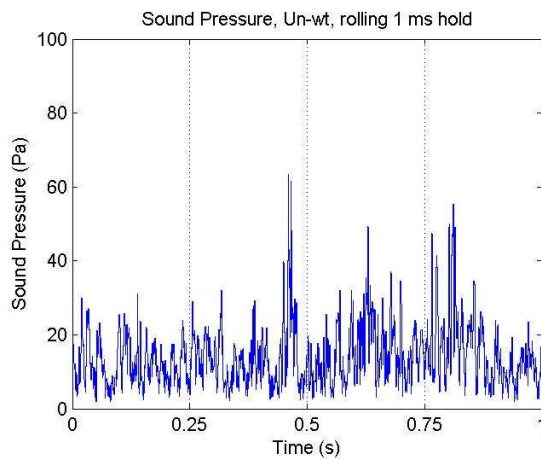
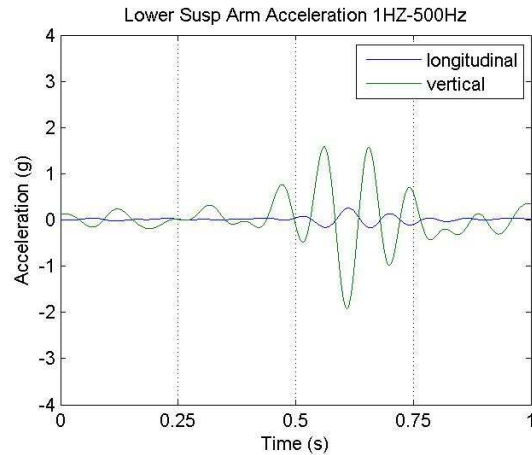


Acceleration – Maximum vertical (g): 1.93
 Acceleration – Maximum longitudinal (g): 0.31
 Displacement – Maximum vertical (mm): 19.52
 Displacement – Maximum longitudinal (mm): 3.17
 Noise Peak Sound Pressure (Pa): 84.48
 Average sound level, Leq(1s) (dB): 116.27
 Average sound level, LAeq(1s) (dB): 111.37
 Maximum sound level, Leq(125ms) (dB): 119.62
 Maximum sound level, LAeq(125ms) (dBA): 114.40

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674910
 Date: 16-05-13 Longitude: 176.173015
 Time: 11:10:40 Speed (km/h): 85.4
 Marker No: 3

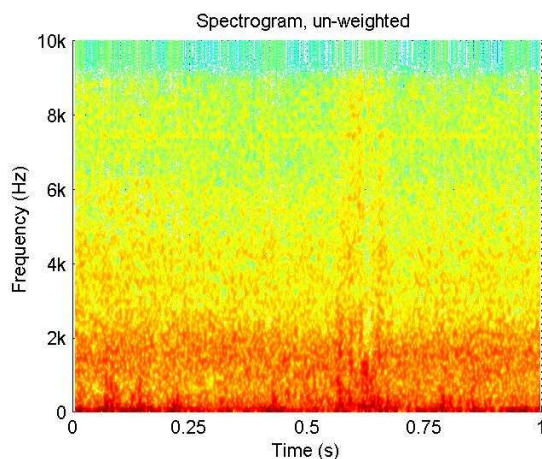
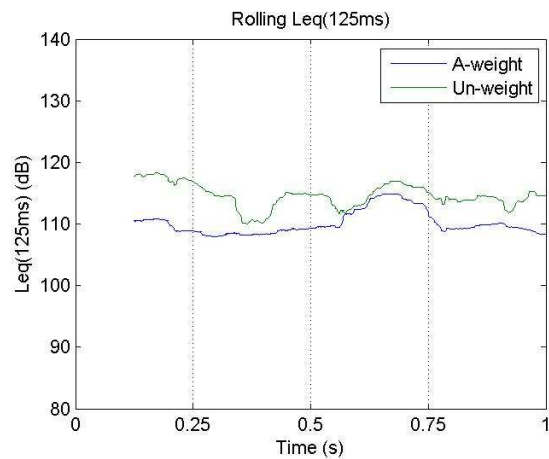
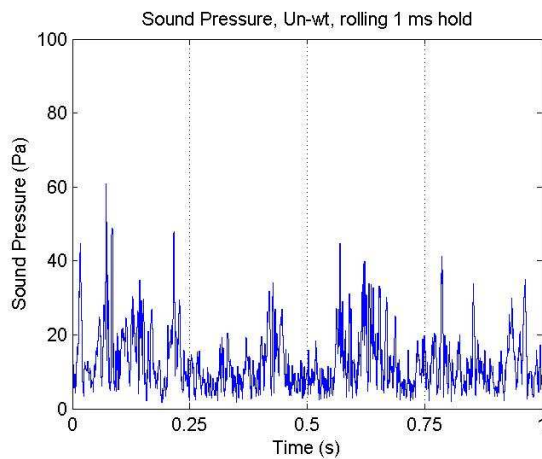
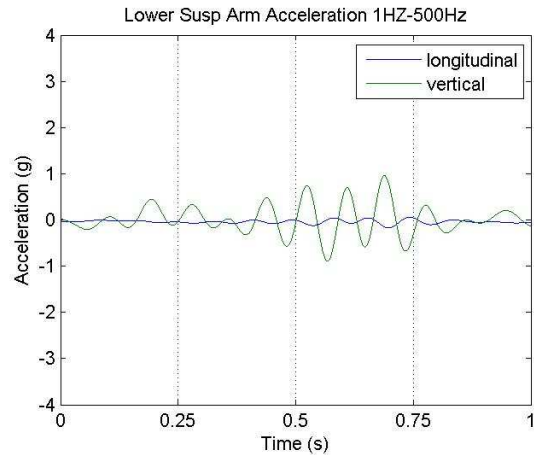


Acceleration – Maximum vertical (g): 1.92
 Acceleration – Maximum longitudinal (g): 0.26
 Displacement – Maximum vertical (mm): 19.49
 Displacement – Maximum longitudinal (mm): 2.59
 Noise Peak Sound Pressure (Pa): 63.34
 Average sound level, Leq(1s) (dB): 115.76
 Average sound level, LAeq(1s) (dB): 112.39
 Maximum sound level, Leq(125ms) (dB): 119.25
 Maximum sound level, LAeq(125ms) (dBA): 116.00

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.675003
 Date: 16-05-13 Longitude: 176.173452
 Time: 11:00:05 Speed (km/h): 84.6
 Marker No: 4

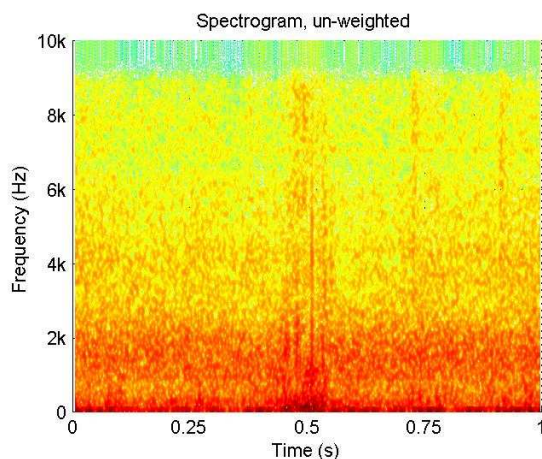
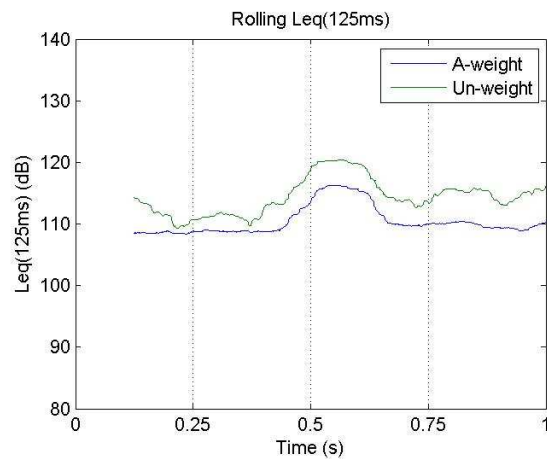
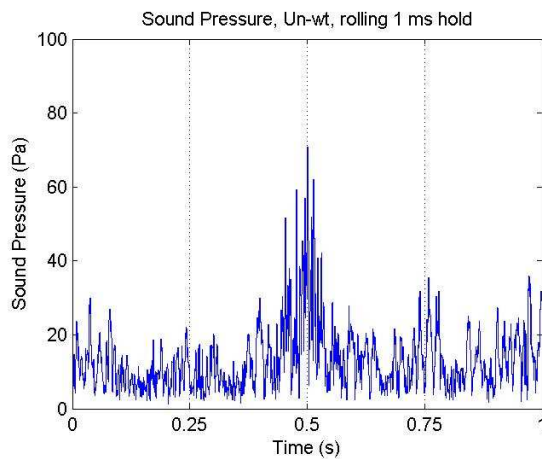
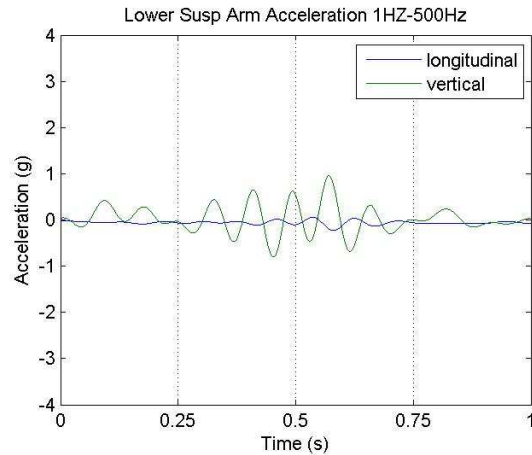


Acceleration – Maximum vertical (g): 0.96
 Acceleration – Maximum longitudinal (g): 0.17
 Displacement – Maximum vertical (mm): 9.75
 Displacement – Maximum longitudinal (mm): 1.74
 Noise Peak Sound Pressure (Pa): 60.89
 Average sound level, Leq(1s) (dB): 115.24
 Average sound level, LAeq(1s) (dB): 110.49
 Maximum sound level, Leq(125ms) (dB): 118.28
 Maximum sound level, LAeq(125ms) (dBA): 114.91

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674910
 Date: 16-05-13 Longitude: 176.173015
 Time: 11:10:40 Speed (km/h): 85.4
 Marker No: 4

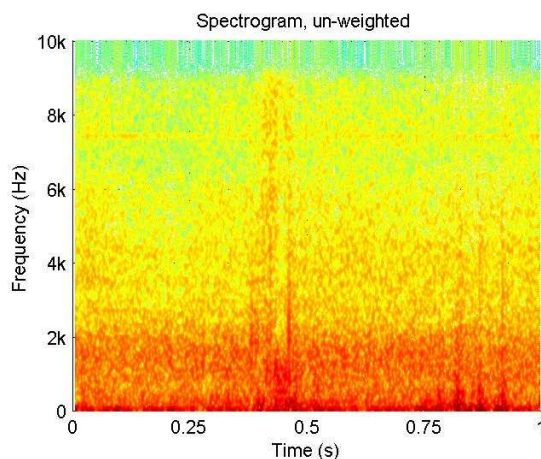
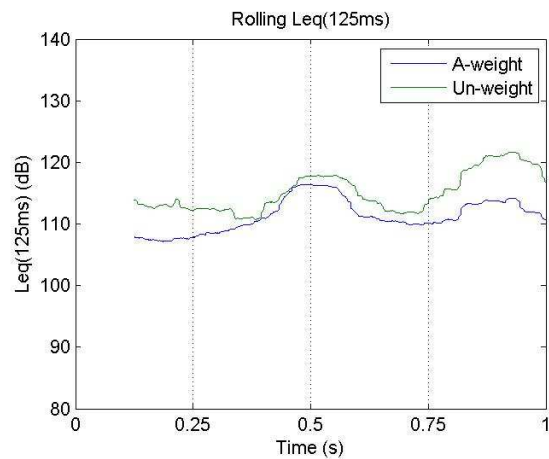
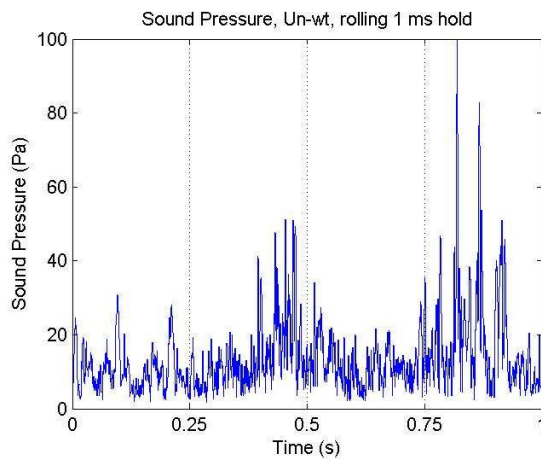
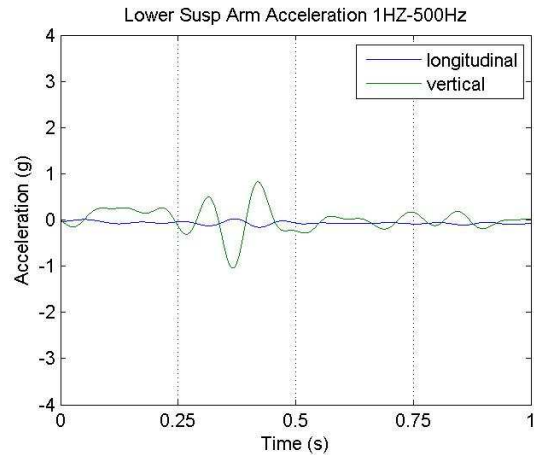


Acceleration – Maximum vertical (g): 0.96
 Acceleration – Maximum longitudinal (g): 0.23
 Displacement – Maximum vertical (mm): 9.73
 Displacement – Maximum longitudinal (mm): 2.32
 Noise Peak Sound Pressure (Pa): 70.68
 Average sound level, Leq(1s) (dB): 115.57
 Average sound level, LAeq(1s) (dB): 111.11
 Maximum sound level, Leq(125ms) (dB): 120.42
 Maximum sound level, LAeq(125ms) (dBA): 116.23

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674682
 Date: 16-05-13 Longitude: 176.172167
 Time: 11:00:05 Speed (km/h): 85.6
 Marker No: 5

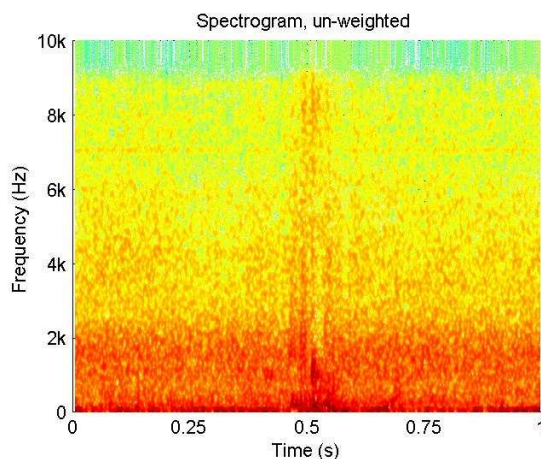
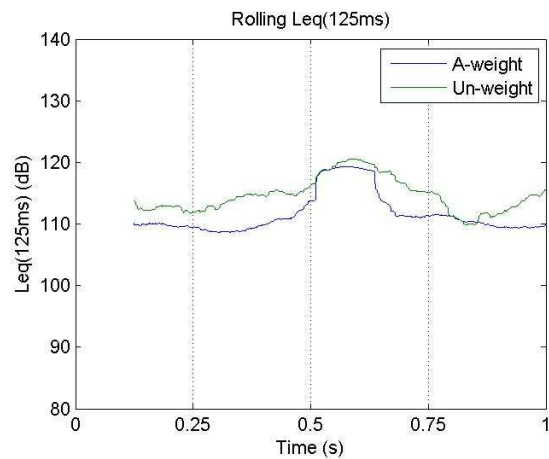
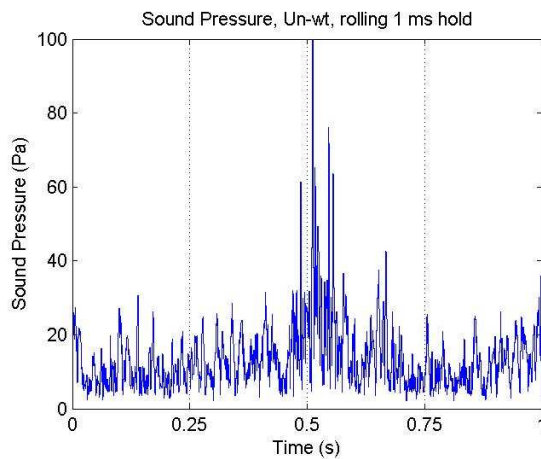
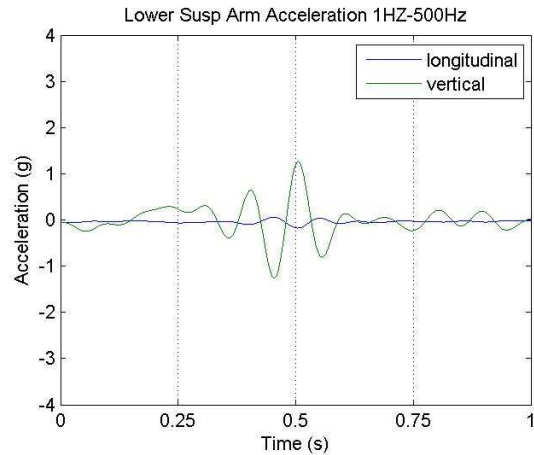


Acceleration – Maximum vertical (g): 1.04
 Acceleration – Maximum longitudinal (g): 0.16
 Displacement – Maximum vertical (mm): 10.58
 Displacement – Maximum longitudinal (mm): 1.61
 Noise Peak Sound Pressure (Pa): 105.95
 Average sound level, Leq(1s) (dB): 116.23
 Average sound level, LAeq(1s) (dB): 111.92
 Maximum sound level, Leq(125ms) (dB): 121.68
 Maximum sound level, LAeq(125ms) (dBA): 116.37

Bridge Structure Number: BSN NA
 Name: HARBOUR BRIDGE (WESTBOUND)
 Route Position: 2 151 4.73
 Direction: Decreasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch Latitude: -37.674703
 Date: 16-05-13 Longitude: 176.172242
 Time: 11:10:40 Speed (km/h): 86.3
 Marker No: 5



Acceleration – Maximum vertical (g): 1.27
 Acceleration – Maximum longitudinal (g): 0.18
 Displacement – Maximum vertical (mm): 12.84
 Displacement – Maximum longitudinal (mm): 1.79
 Noise Peak Sound Pressure (Pa): 110.70
 Average sound level, Leq(1s) (dB): 115.61
 Average sound level, LAeq(1s) (dB): 112.95
 Maximum sound level, Leq(125ms) (dB): 120.58
 Maximum sound level, LAeq(125ms) (dBA): 119.29

Bridge Structure Number: BSN1160

Name: TAHAWAI RIVER BRIDGE

Route Position: 2 116 0

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

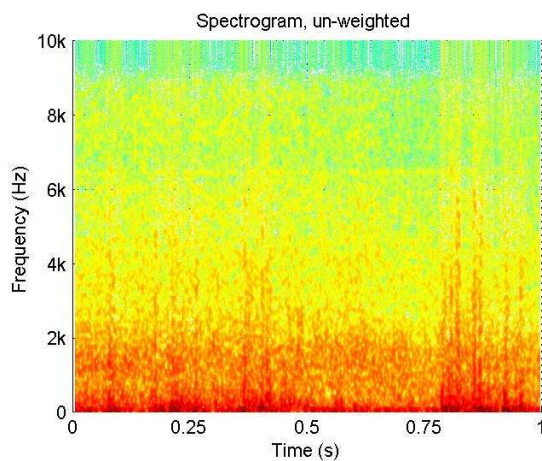
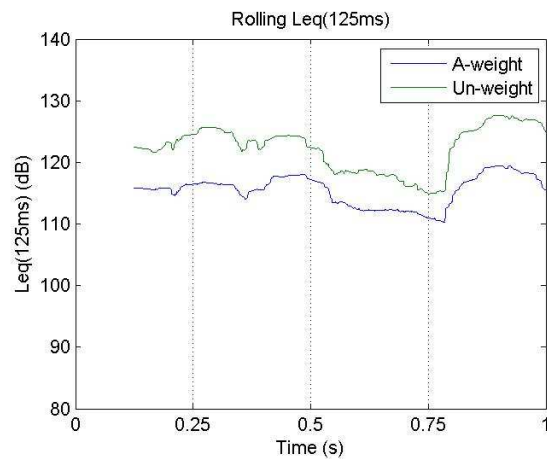
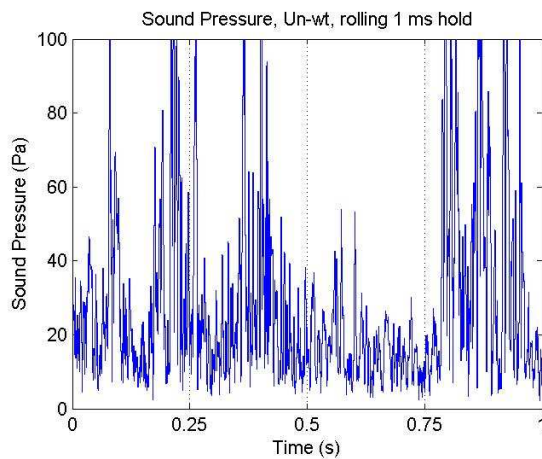
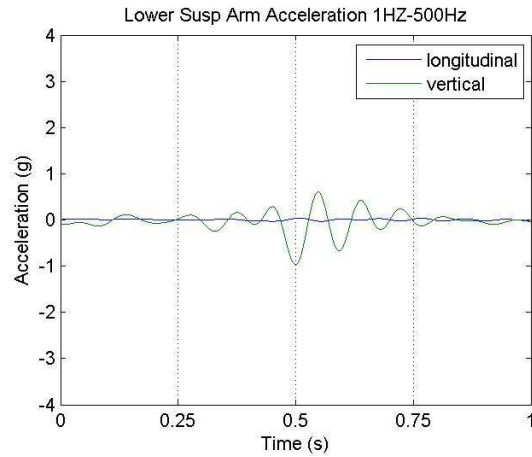
Time: 09:51:35

Marker No: 1

Latitude: -37.534233

Longitude: 175.914265

Speed (km/h): 82.8



Acceleration – Maximum vertical (g): 0.97
Acceleration – Maximum longitudinal (g): 0.04
Displacement – Maximum vertical (mm): 9.81
Displacement – Maximum longitudinal (mm): 0.40
Noise Peak Sound Pressure (Pa): 135.30
Average sound level, Leq(1s) (dB): 123.49
Average sound level, LAeq(1s) (dB): 115.98
Maximum sound level, Leq(125ms) (dB): 127.66
Maximum sound level, LAeq(125ms) (dBA): 119.46

Bridge Structure Number: BSN1160

Name: TAHAWAI RIVER BRIDGE

Route Position: 2 116 0

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

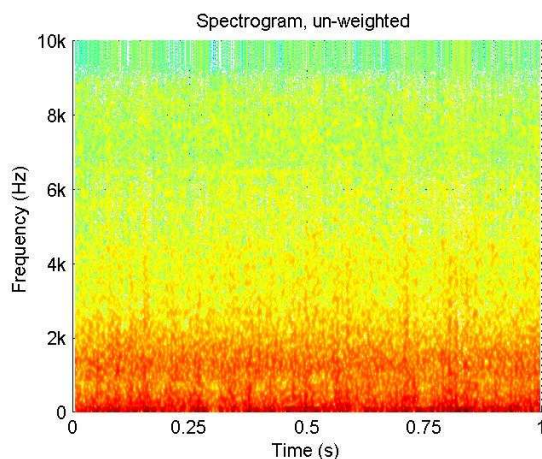
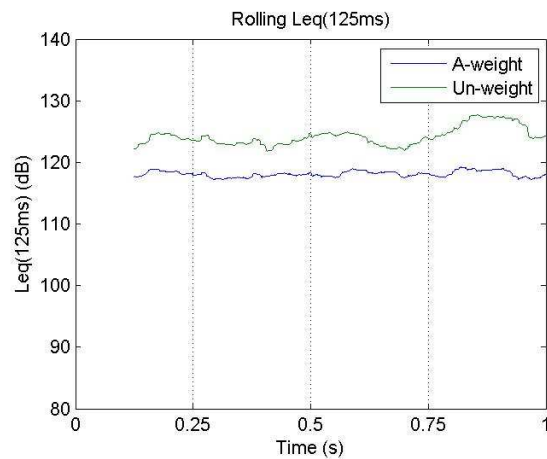
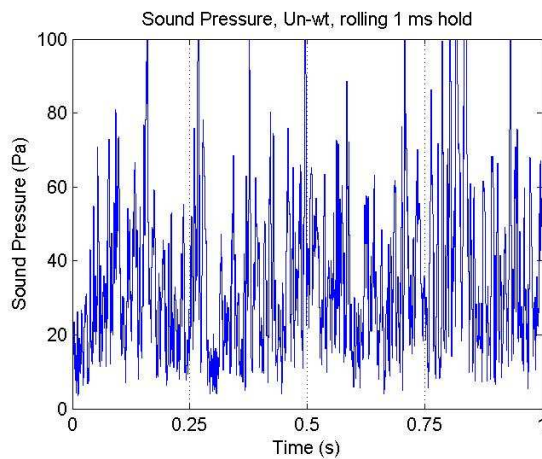
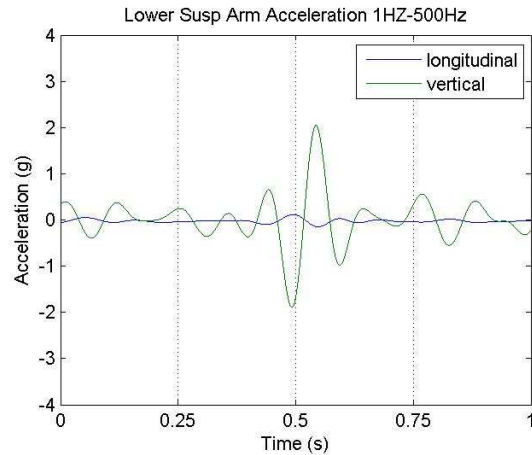
Time: 09:51:35

Marker No: 2

Latitude: -37.533543

Longitude: 175.914832

Speed (km/h): 83.2



Acceleration – Maximum vertical (g): 2.05
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 20.79
Displacement – Maximum longitudinal (mm): 1.50
Noise Peak Sound Pressure (Pa): 146.31
Average sound level, Leq(1s) (dB): 124.33
Average sound level, LAeq(1s) (dB): 118.10
Maximum sound level, Leq(125ms) (dB): 127.70
Maximum sound level, LAeq(125ms) (dBA): 119.22

Bridge Structure Number: BSN1160

Name: TAHAWAI RIVER BRIDGE

Route Position: 2 116 0

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

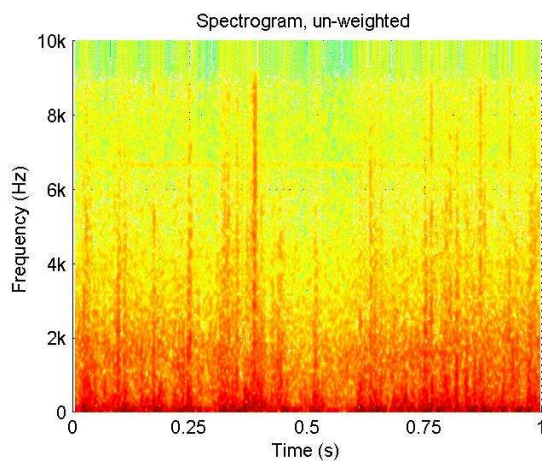
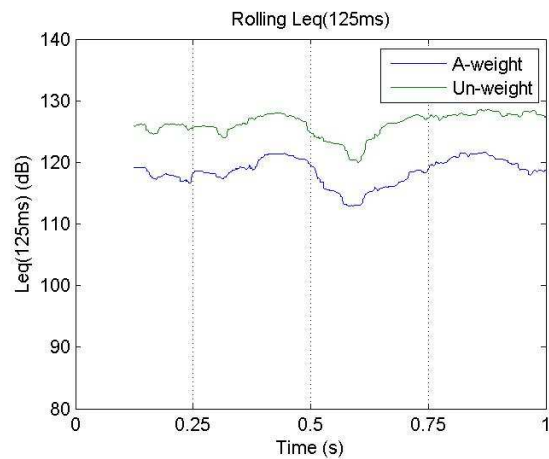
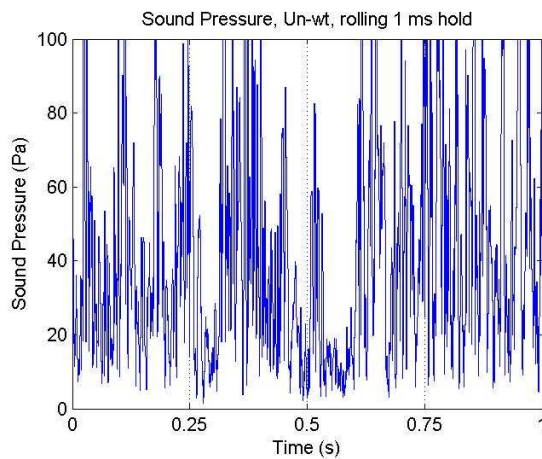
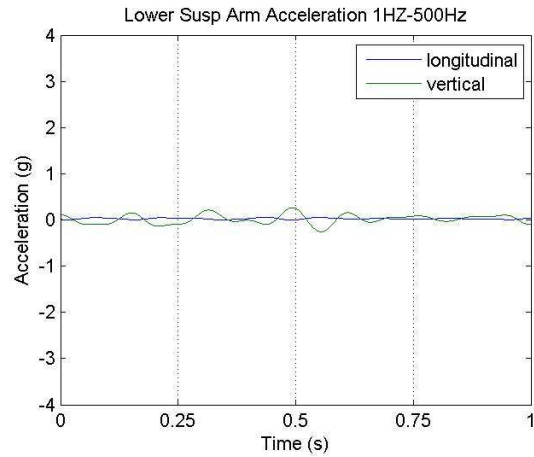
Time: 10:02:35

Marker No: 1

Latitude: -37.533503

Longitude: 175.914892

Speed (km/h): 87.4



Acceleration – Maximum vertical (g): 0.27
Acceleration – Maximum longitudinal (g): 0.06
Displacement – Maximum vertical (mm): 2.71
Displacement – Maximum longitudinal (mm): 0.59
Noise Peak Sound Pressure (Pa): 178.57
Average sound level, Leq(1s) (dB): 126.53
Average sound level, LAeq(1s) (dB): 119.05
Maximum sound level, Leq(125ms) (dB): 128.61
Maximum sound level, LAeq(125ms) (dBA): 121.65

Bridge Structure Number: BSN1160

Name: TAHAWAI RIVER BRIDGE

Route Position: 2 116 0

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

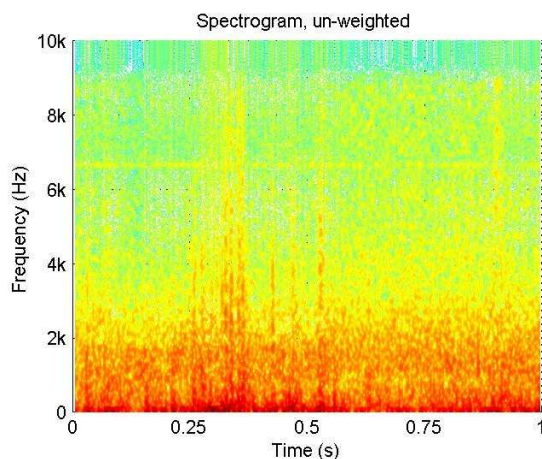
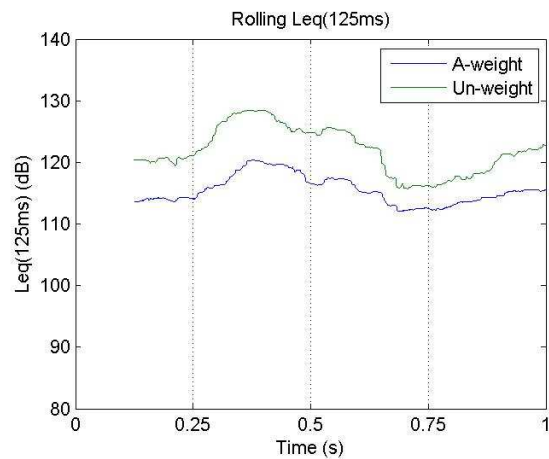
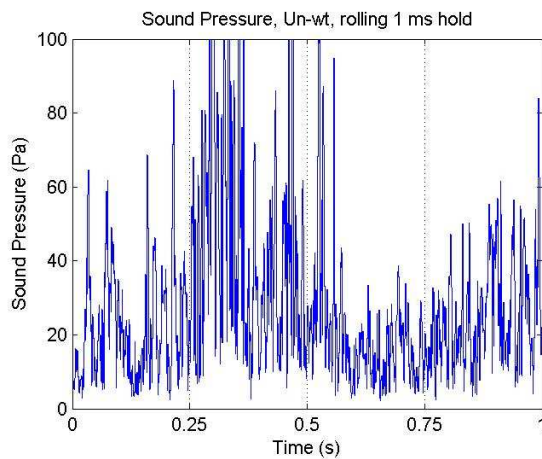
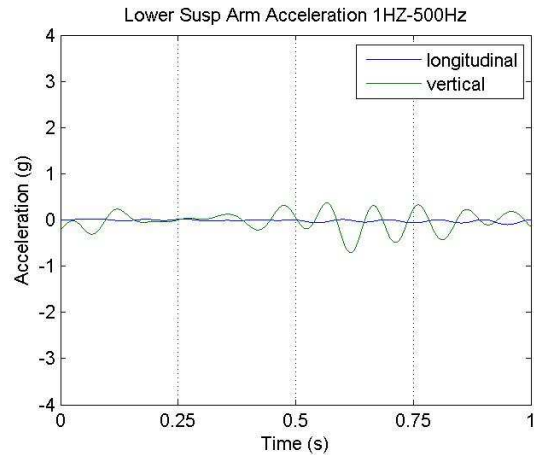
Time: 10:02:35

Marker No: 2

Latitude: -37.533887

Longitude: 175.914648

Speed (km/h): 84.8



Acceleration – Maximum vertical (g): 0.71
Acceleration – Maximum longitudinal (g): 0.10
Displacement – Maximum vertical (mm): 7.17
Displacement – Maximum longitudinal (mm): 1.03
Noise Peak Sound Pressure (Pa): 147.51
Average sound level, Leq(1s) (dB): 123.31
Average sound level, LAeq(1s) (dB): 115.94
Maximum sound level, Leq(125ms) (dB): 128.47
Maximum sound level, LAeq(125ms) (dBA): 120.40

Bridge Structure Number: BSN1182

Name: URETARA STREAM (WHARAWHARA)

Route Position: 2 116 2.29

Direction: Decreasing

Joint Type: Bitumen filled gap

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

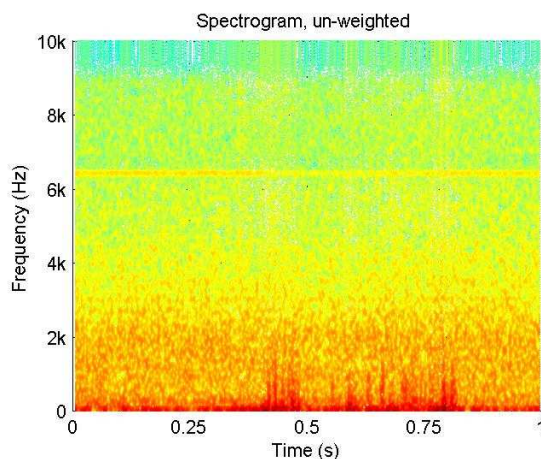
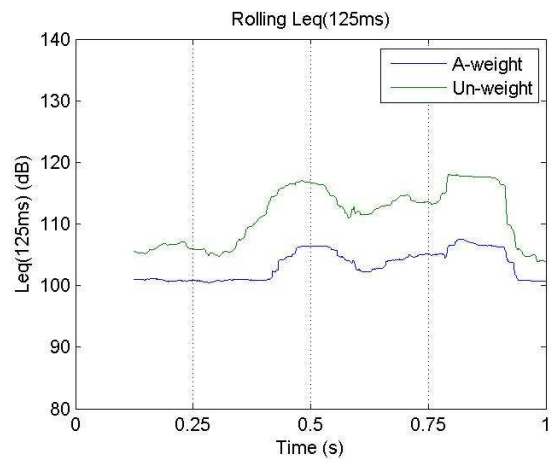
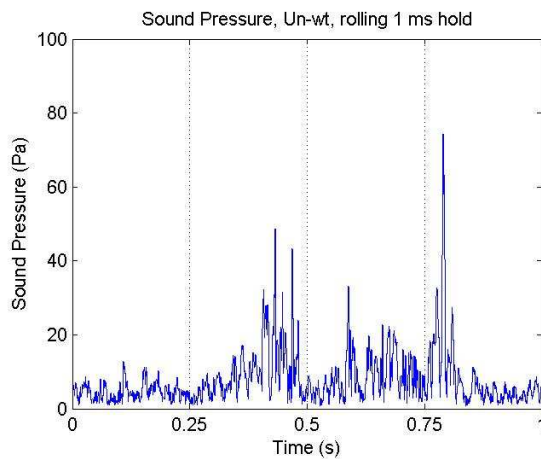
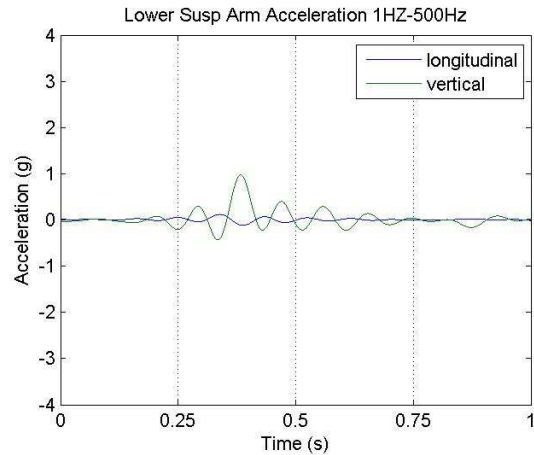
Time: 09:48:36

Marker No: 1

Latitude: -37.551073

Longitude: 175.917167

Speed (km/h): 53.5



Acceleration – Maximum vertical (g): 0.98
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 9.89
Displacement – Maximum longitudinal (mm): 1.22
Noise Peak Sound Pressure (Pa): 74.19
Average sound level, Leq(1s) (dB): 113.04
Average sound level, LAeq(1s) (dB): 103.67
Maximum sound level, Leq(125ms) (dB): 118.07
Maximum sound level, LAeq(125ms) (dBA): 107.50

Bridge Structure Number: BSN1182

Name: URETARA STREAM (WHARAWHARA)

Route Position: 2 116 2.29

Direction: Increasing

Joint Type: Bitumen filled gap

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

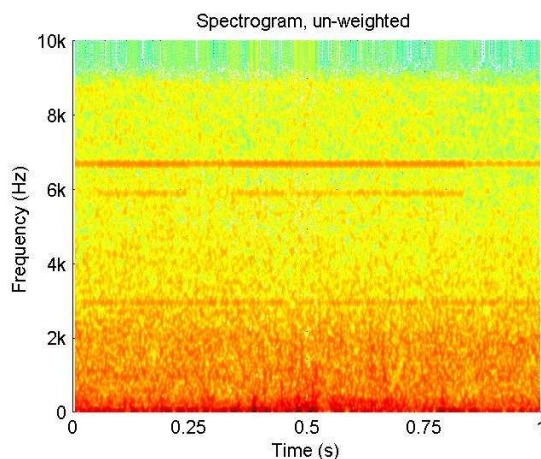
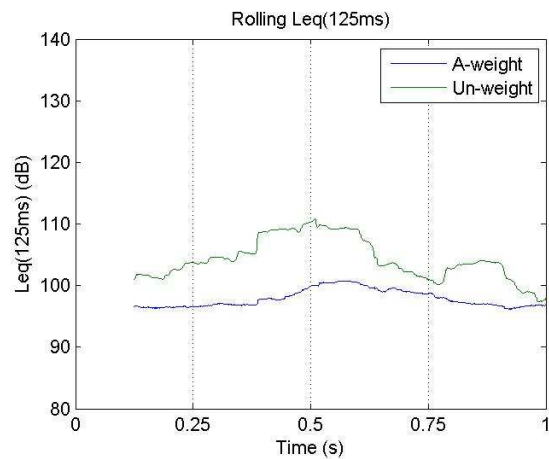
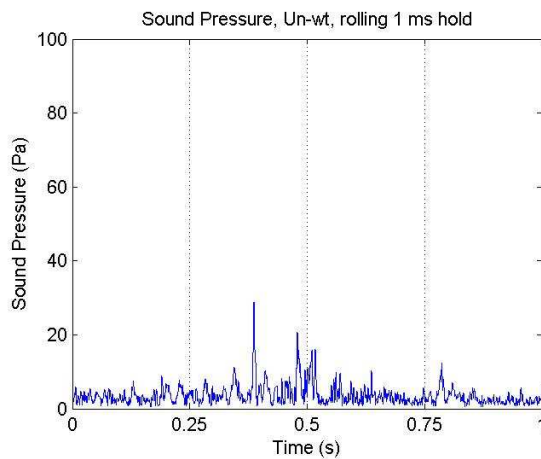
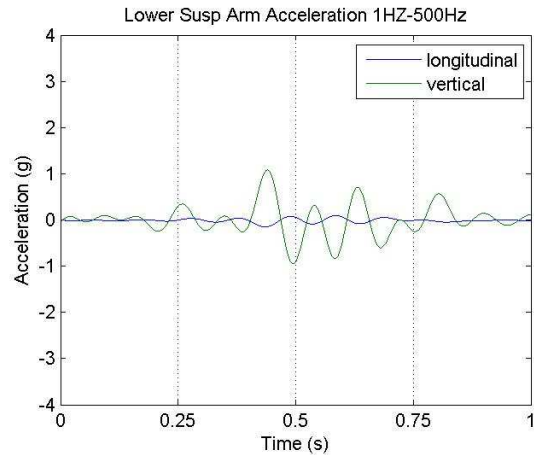
Time: 10:04:00

Marker No: 1

Latitude: -37.550605

Longitude: 175.916645

Speed (km/h): 45.6



Acceleration – Maximum vertical (g): 1.08
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 10.99
Displacement – Maximum longitudinal (mm): 1.52
Noise Peak Sound Pressure (Pa): 28.80
Average sound level, Leq(1s) (dB): 105.27
Average sound level, LAeq(1s) (dB): 97.98
Maximum sound level, Leq(125ms) (dB): 110.82
Maximum sound level, LAeq(125ms) (dBA): 100.75

Bridge Structure Number: BSN1182

Name: URETARA STREAM (WHARAWHARA)

Route Position: 2 116 2.29

Direction: Increasing

Joint Type: Bitumen filled gap

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

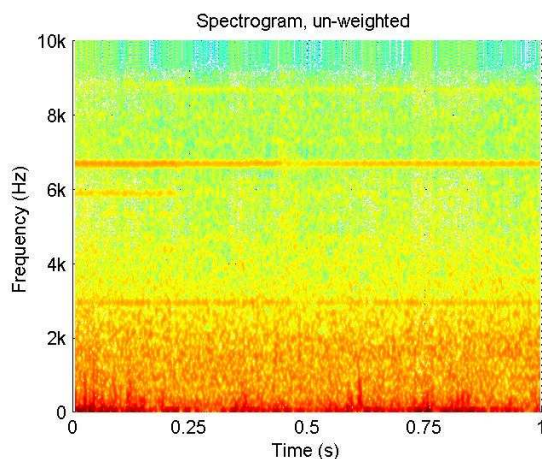
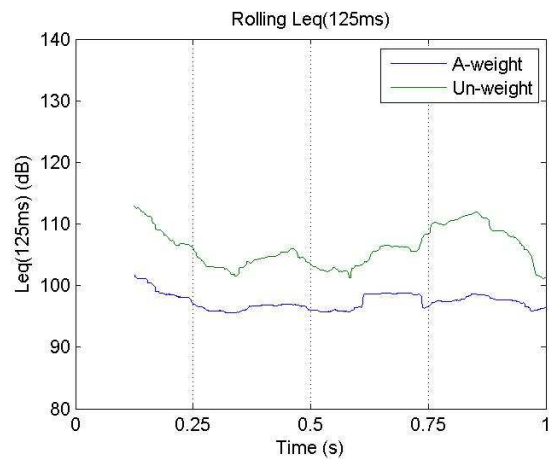
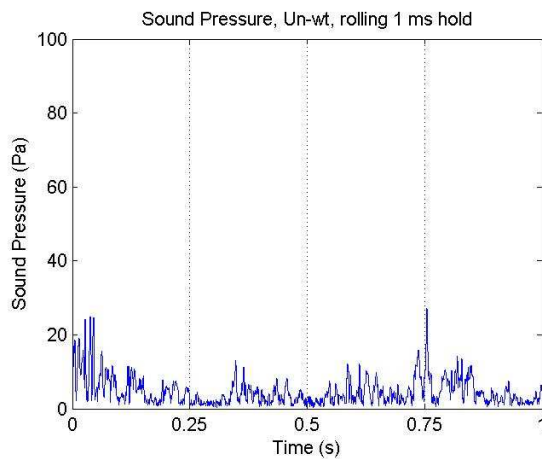
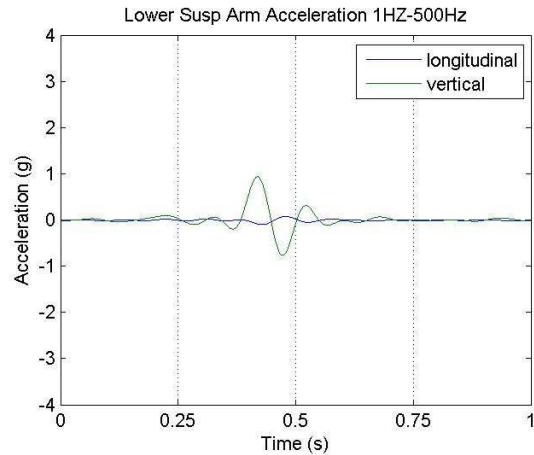
Time: 10:04:00

Marker No: 2

Latitude: -37.550765

Longitude: 175.916837

Speed (km/h): 44.5



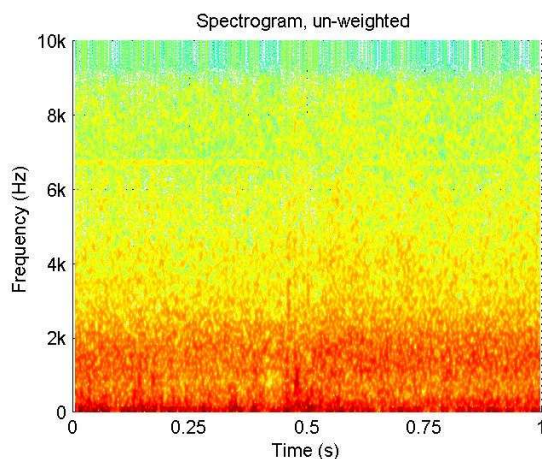
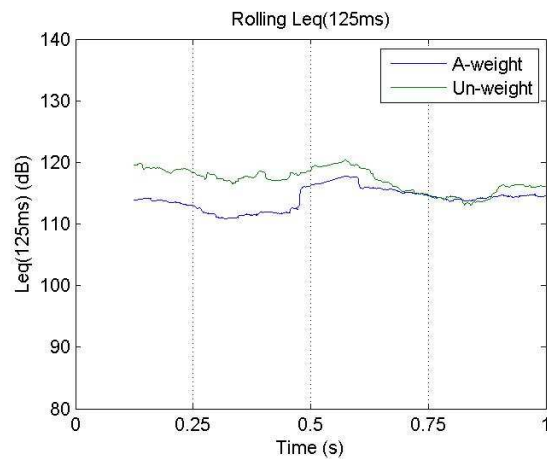
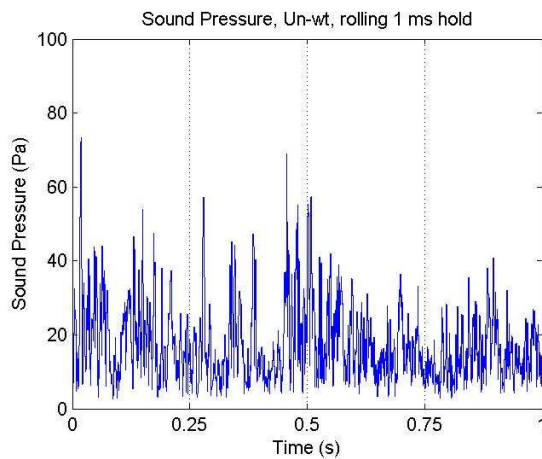
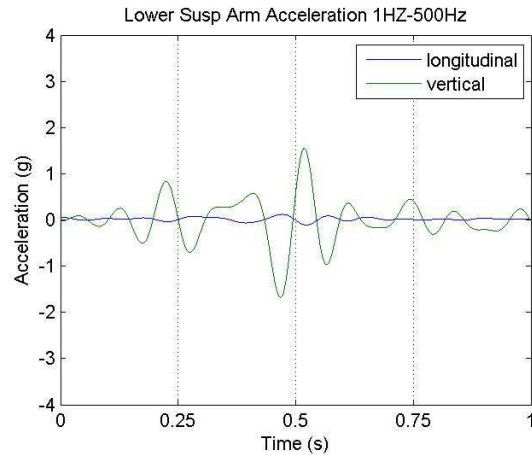
Acceleration – Maximum vertical (g): 0.94
Acceleration – Maximum longitudinal (g): 0.10
Displacement – Maximum vertical (mm): 9.51
Displacement – Maximum longitudinal (mm): 1.01
Noise Peak Sound Pressure (Pa): 27.05
Average sound level, Leq(1s) (dB): 108.08
Average sound level, LAeq(1s) (dB): 98.11
Maximum sound level, Leq(125ms) (dB): 112.87
Maximum sound level, LAeq(125ms) (dBA): 101.76

Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch Latitude: -37.577547
Date: 16-05-13 Longitude: 175.911063
Time: 10:08:54 Speed (km/h): 82.8
Marker No: 1



Acceleration – Maximum vertical (g): 1.67
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 16.96
Displacement – Maximum longitudinal (mm): 1.22
Noise Peak Sound Pressure (Pa): 73.29
Average sound level, Leq(1s) (dB): 117.59
Average sound level, LAeq(1s) (dB): 114.45
Maximum sound level, Leq(125ms) (dB): 120.38
Maximum sound level, LAeq(125ms) (dBA): 117.74

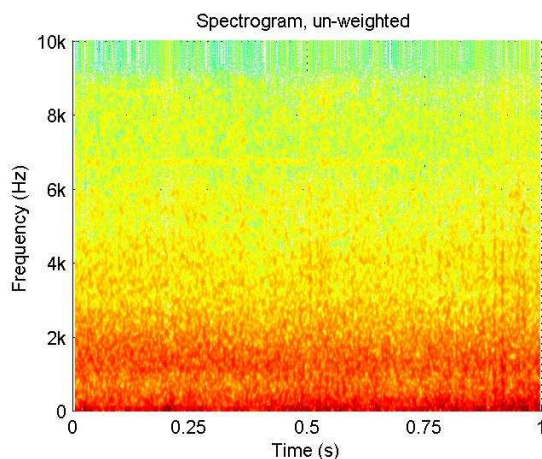
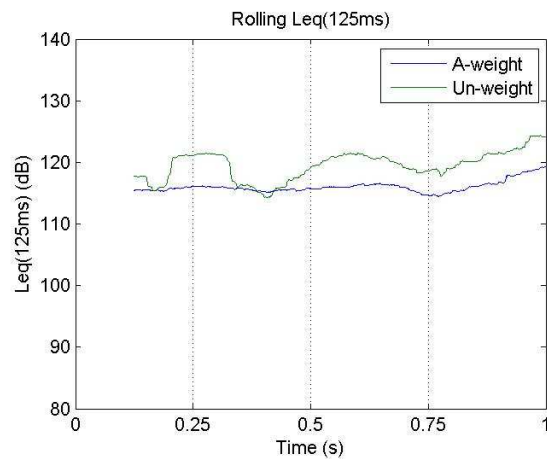
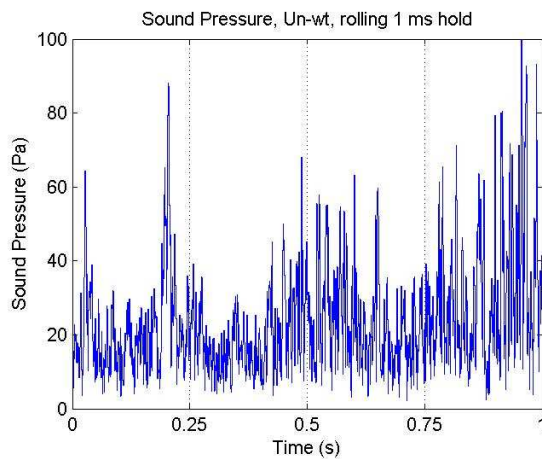
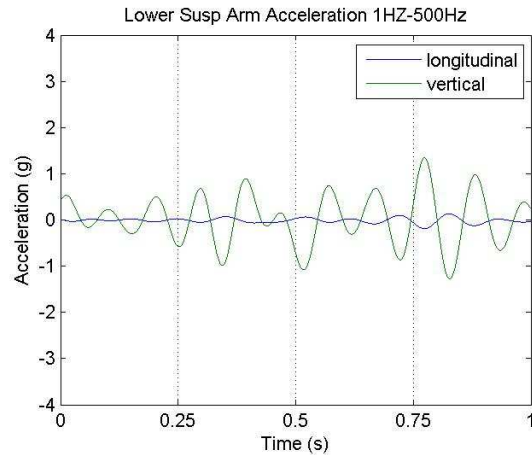
Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 10:08:54
Marker No: 2

Latitude: -37.577165
Longitude: 175.910872
Speed (km/h): 82.2



Acceleration – Maximum vertical (g): 1.34
Acceleration – Maximum longitudinal (g): 0.19
Displacement – Maximum vertical (mm): 13.63
Displacement – Maximum longitudinal (mm): 1.91
Noise Peak Sound Pressure (Pa): 105.61
Average sound level, Leq(1s) (dB): 120.51
Average sound level, LAeq(1s) (dB): 116.42
Maximum sound level, Leq(125ms) (dB): 124.37
Maximum sound level, LAeq(125ms) (dBA): 119.26

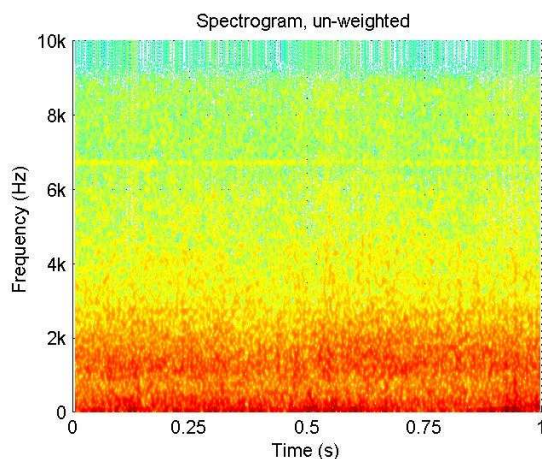
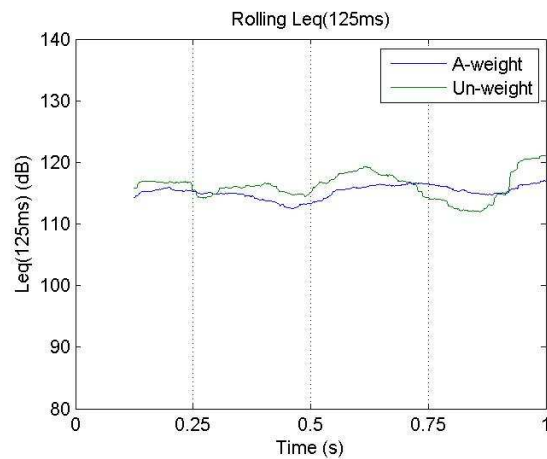
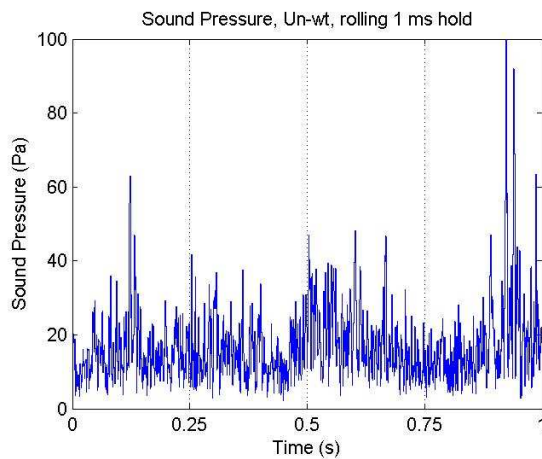
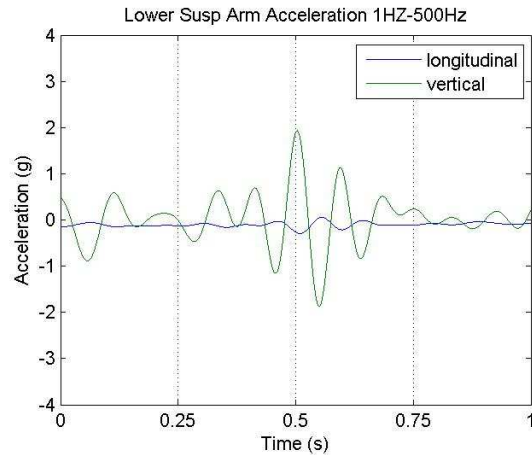
Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Increasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 10:07:53
Marker No: 1

Latitude: -37.576847
Longitude: 175.910752
Speed (km/h): 74.1



Acceleration – Maximum vertical (g): 1.93
Acceleration – Maximum longitudinal (g): 0.29
Displacement – Maximum vertical (mm): 19.60
Displacement – Maximum longitudinal (mm): 2.96
Noise Peak Sound Pressure (Pa): 106.38
Average sound level, Leq(1s) (dB): 116.99
Average sound level, LAeq(1s) (dB): 115.38
Maximum sound level, Leq(125ms) (dB): 121.06
Maximum sound level, LAeq(125ms) (dBA): 117.07

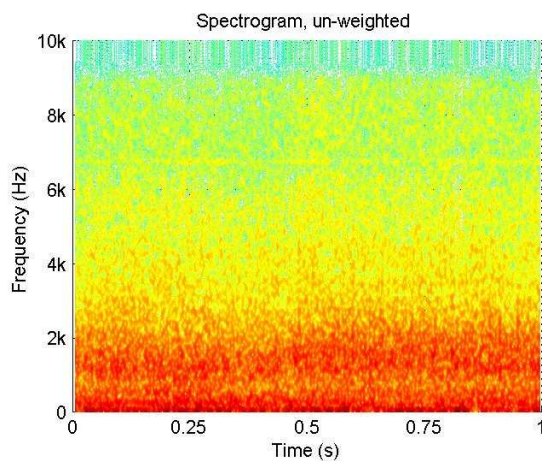
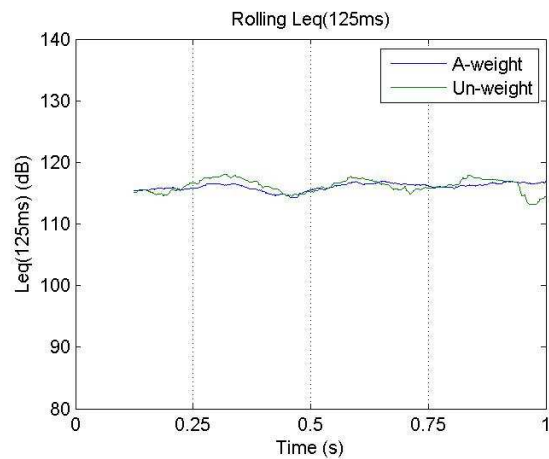
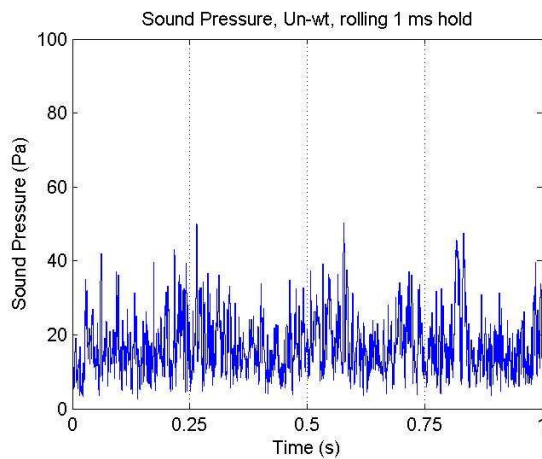
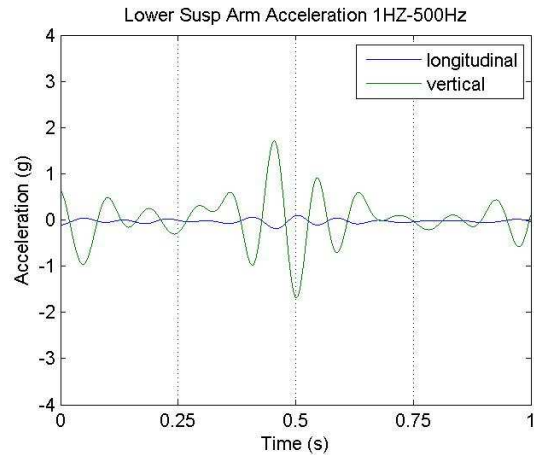
Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Increasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 10:09:43
Marker No: 1

Latitude: -37.576765
Longitude: 175.910702
Speed (km/h): 86.1



Acceleration – Maximum vertical (g): 1.71
Acceleration – Maximum longitudinal (g): 0.19
Displacement – Maximum vertical (mm): 17.35
Displacement – Maximum longitudinal (mm): 1.91
Noise Peak Sound Pressure (Pa): 50.34
Average sound level, Leq(1s) (dB): 116.17
Average sound level, LAeq(1s) (dB): 116.08
Maximum sound level, Leq(125ms) (dB): 117.99
Maximum sound level, LAeq(125ms) (dBA): 116.97

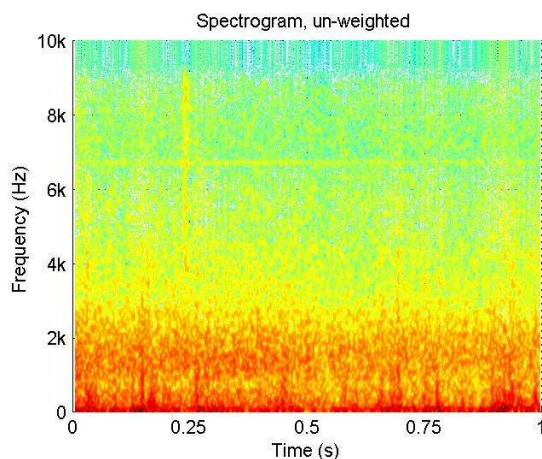
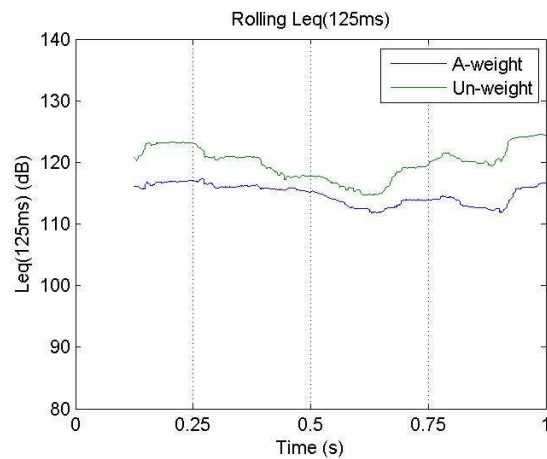
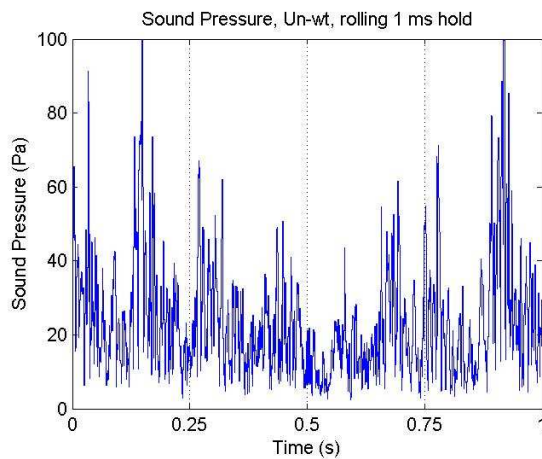
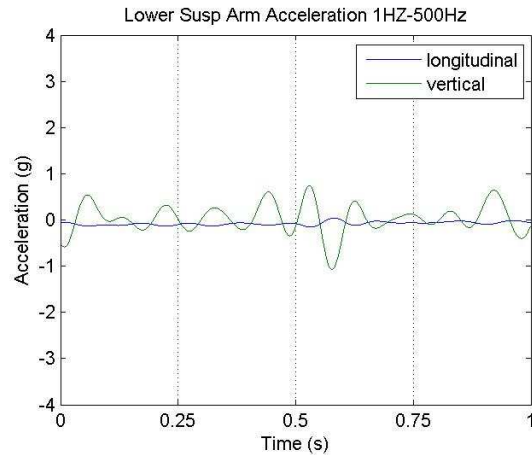
Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Increasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 10:07:53
Marker No: 2

Latitude: -37.577200
Longitude: 175.910932
Speed (km/h): 76.3



Acceleration – Maximum vertical (g): 1.07
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 10.89
Displacement – Maximum longitudinal (mm): 1.54
Noise Peak Sound Pressure (Pa): 150.63
Average sound level, Leq(1s) (dB): 121.01
Average sound level, LAeq(1s) (dB): 115.31
Maximum sound level, Leq(125ms) (dB): 124.52
Maximum sound level, LAeq(125ms) (dBA): 117.36

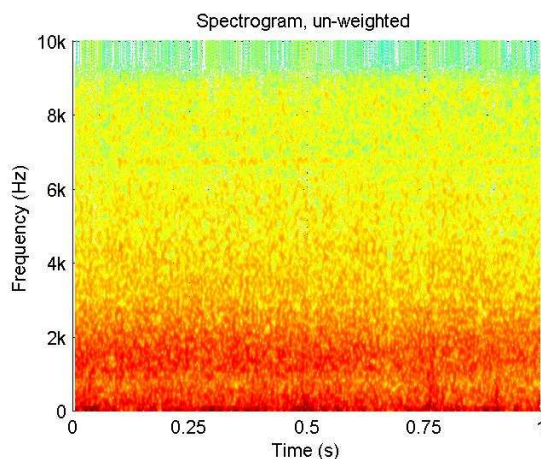
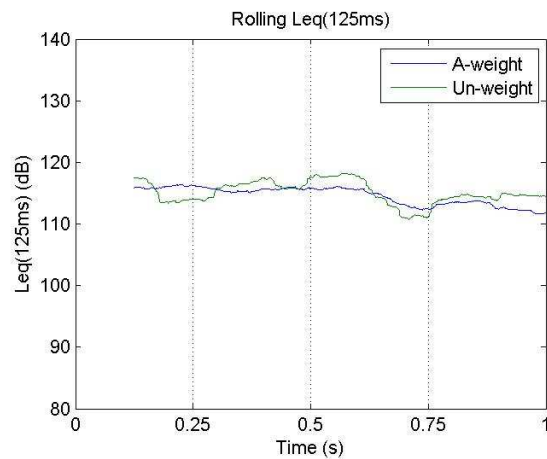
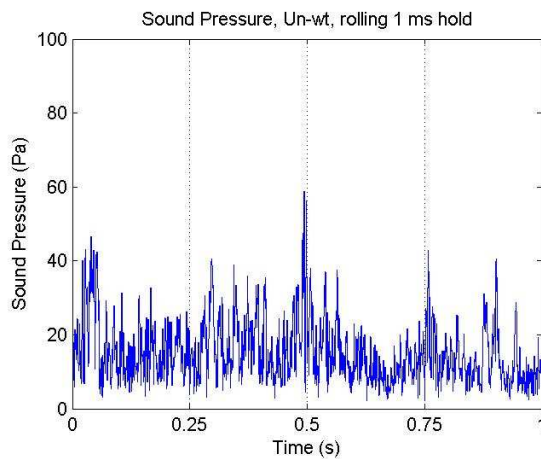
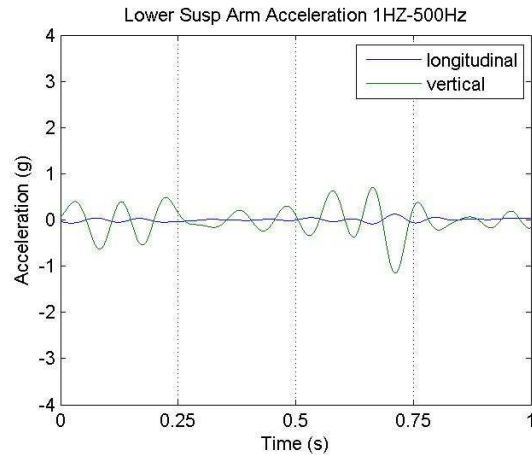
Bridge Structure Number: BSN1214

Name: TE REREREATUKAHIA RIVER BRIDGE
Route Position: 2 116 5.43
Direction: Increasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch
Date: 16-05-13
Time: 10:09:43
Marker No: 2

Latitude: -37.577158
Longitude: 175.910905
Speed (km/h): 85.2



Acceleration – Maximum vertical (g): 1.15
Acceleration – Maximum longitudinal (g): 0.13
Displacement – Maximum vertical (mm): 11.65
Displacement – Maximum longitudinal (mm): 1.28
Noise Peak Sound Pressure (Pa): 58.83
Average sound level, Leq(1s) (dB): 115.60
Average sound level, LAeq(1s) (dB): 114.74
Maximum sound level, Leq(125ms) (dB): 118.18
Maximum sound level, LAeq(125ms) (dBA): 116.41

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

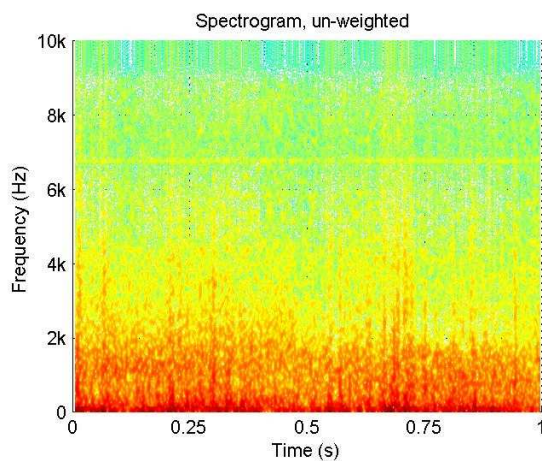
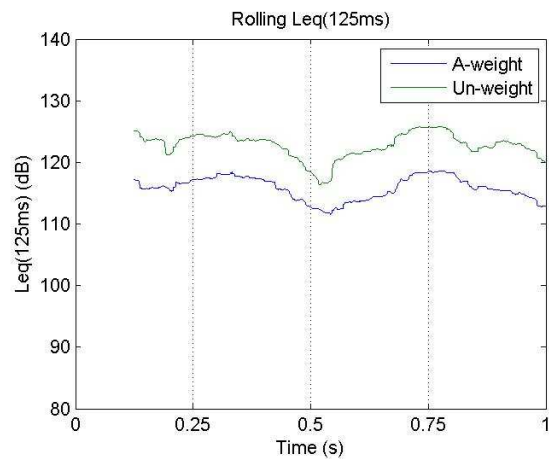
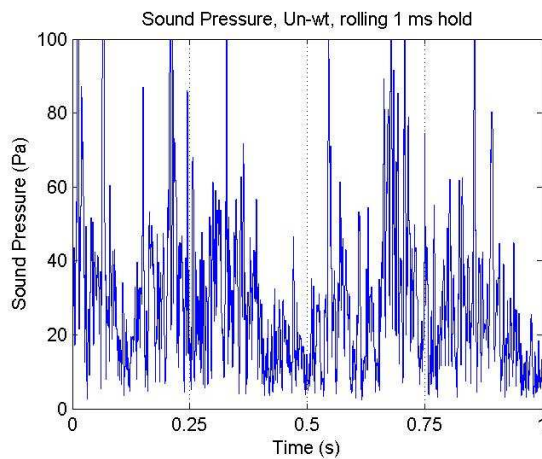
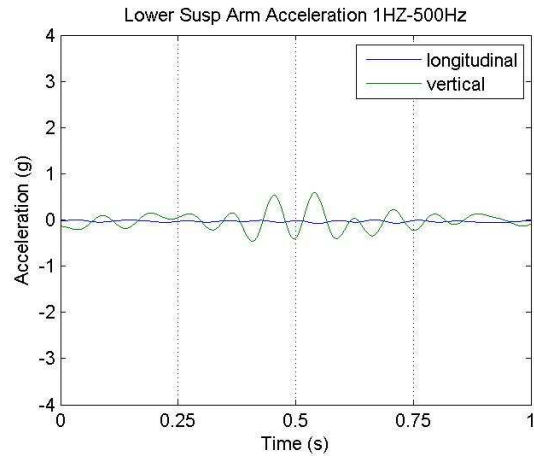
Time: 10:13:30

Marker No: 1

Latitude: -37.599798

Longitude: 175.916123

Speed (km/h): 83.5



Acceleration – Maximum vertical (g): 0.59
Acceleration – Maximum longitudinal (g): 0.08
Displacement – Maximum vertical (mm): 5.96
Displacement – Maximum longitudinal (mm): 0.78
Noise Peak Sound Pressure (Pa): 145.05
Average sound level, Leq(1s) (dB): 123.27
Average sound level, LAeq(1s) (dB): 116.19
Maximum sound level, Leq(125ms) (dB): 125.77
Maximum sound level, LAeq(125ms) (dBA): 118.60

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

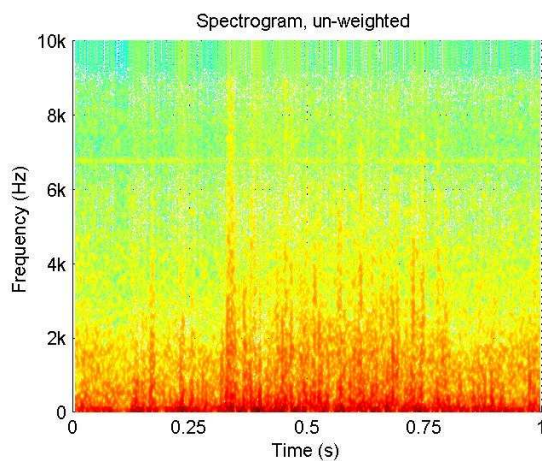
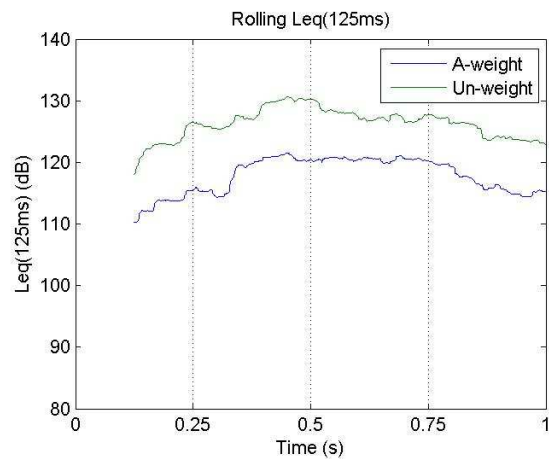
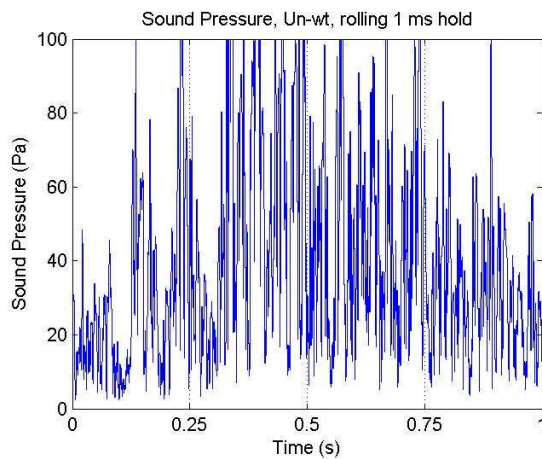
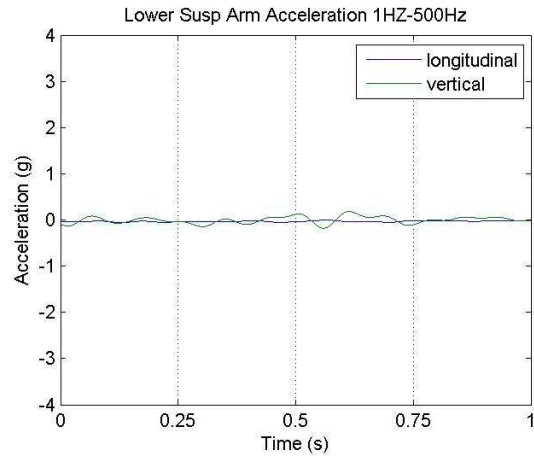
Time: 10:13:30

Marker No: 2

Latitude: -37.599447

Longitude: 175.915840

Speed (km/h): 83.2



Acceleration – Maximum vertical (g): 0.18
Acceleration – Maximum longitudinal (g): 0.06
Displacement – Maximum vertical (mm): 1.85
Displacement – Maximum longitudinal (mm): 0.56
Noise Peak Sound Pressure (Pa): 176.08
Average sound level, Leq(1s) (dB): 126.51
Average sound level, LAeq(1s) (dB): 118.30
Maximum sound level, Leq(125ms) (dB): 130.68
Maximum sound level, LAeq(125ms) (dBA): 121.57

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

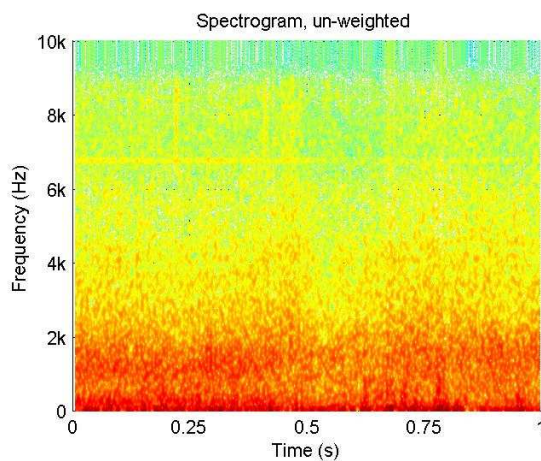
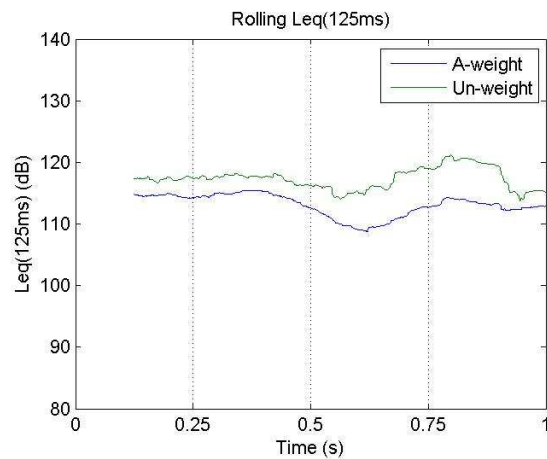
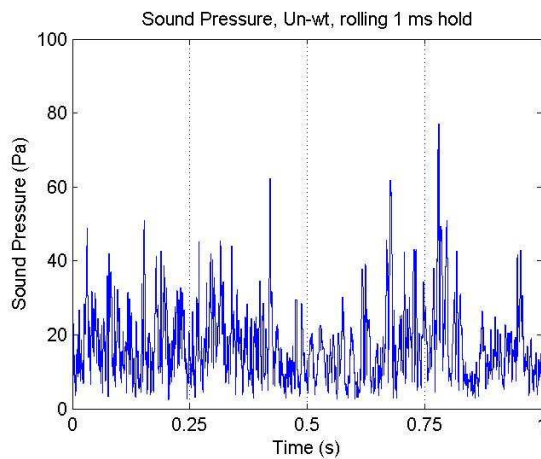
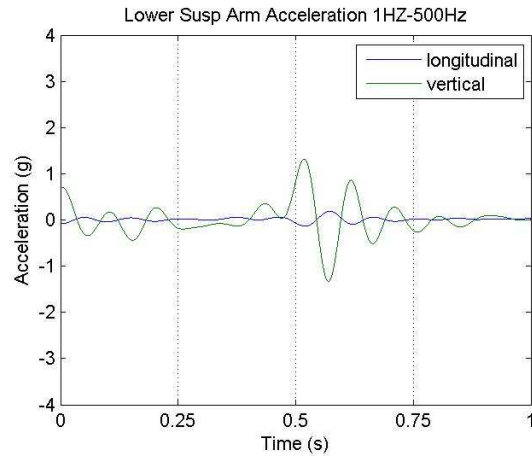
Time: 10:11:37

Marker No: 1

Latitude: -37.599005

Longitude: 175.915500

Speed (km/h): 86.9



Acceleration – Maximum vertical (g): 1.32
Acceleration – Maximum longitudinal (g): 0.19
Displacement – Maximum vertical (mm): 13.43
Displacement – Maximum longitudinal (mm): 1.92
Noise Peak Sound Pressure (Pa): 77.09
Average sound level, Leq(1s) (dB): 117.56
Average sound level, LAeq(1s) (dB): 113.46
Maximum sound level, Leq(125ms) (dB): 121.21
Maximum sound level, LAeq(125ms) (dBA): 115.48

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

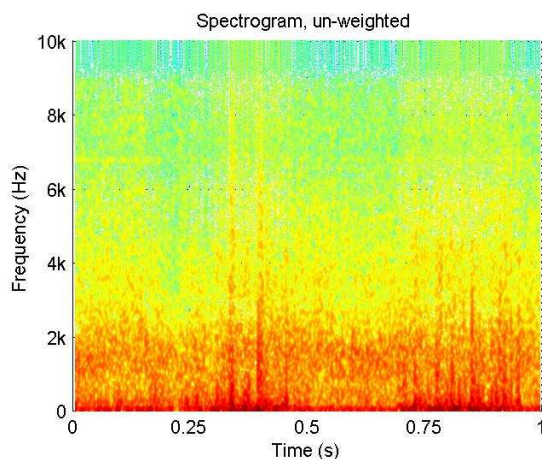
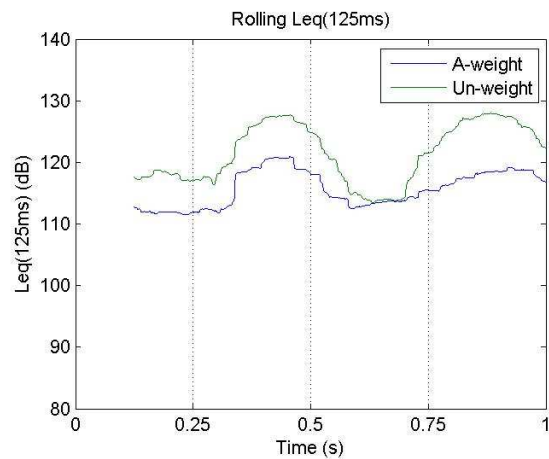
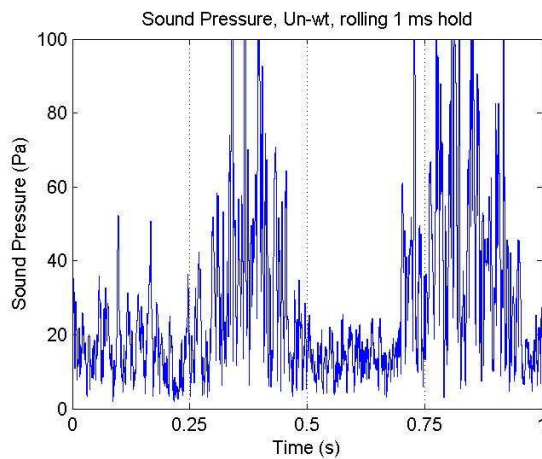
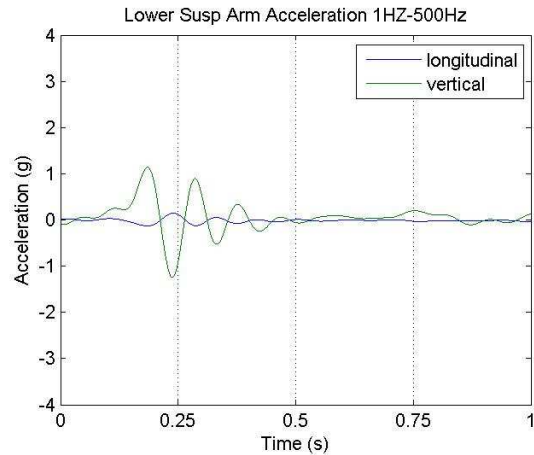
Time: 10:14:38

Marker No: 1

Latitude: -37.598898

Longitude: 175.915423

Speed (km/h): 87.2



Acceleration – Maximum vertical (g): 1.24
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 12.61
Displacement – Maximum longitudinal (mm): 1.51
Noise Peak Sound Pressure (Pa): 176.93
Average sound level, Leq(1s) (dB): 123.40
Average sound level, LAeq(1s) (dB): 116.48
Maximum sound level, Leq(125ms) (dB): 127.97
Maximum sound level, LAeq(125ms) (dBA): 120.93

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

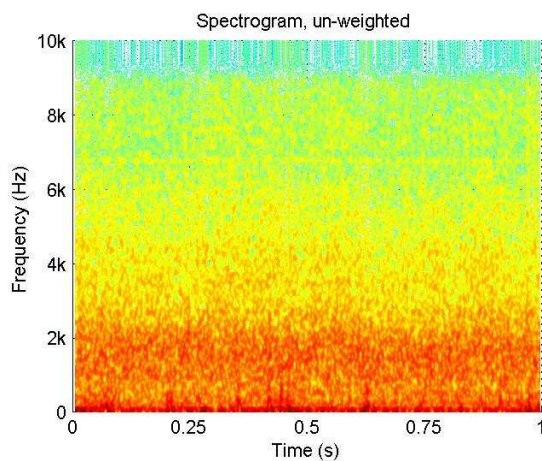
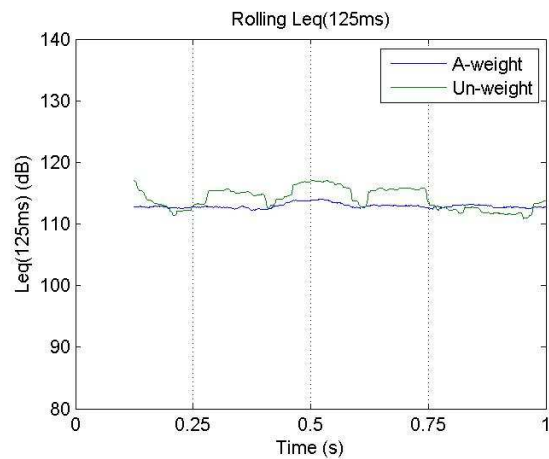
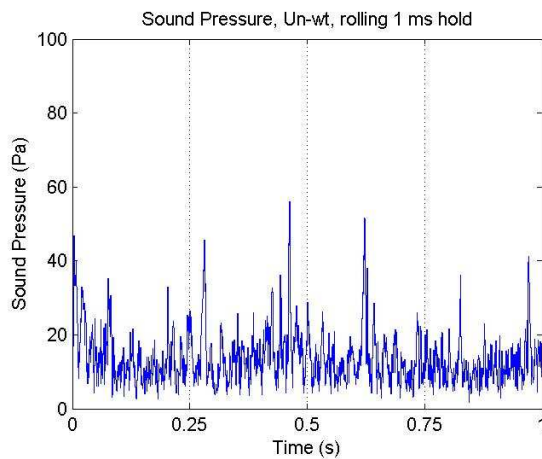
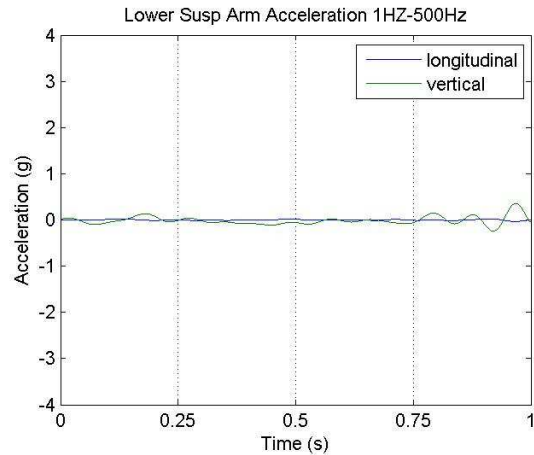
Time: 10:11:37

Marker No: 2

Latitude: -37.599183

Longitude: 175.915653

Speed (km/h): 86.7



Acceleration – Maximum vertical (g): 0.36
Acceleration – Maximum longitudinal (g): 0.03
Displacement – Maximum vertical (mm): 3.62
Displacement – Maximum longitudinal (mm): 0.34
Noise Peak Sound Pressure (Pa): 56.09
Average sound level, Leq(1s) (dB): 114.84
Average sound level, LAeq(1s) (dB): 112.91
Maximum sound level, Leq(125ms) (dB): 117.05
Maximum sound level, LAeq(125ms) (dBA): 114.04

Bridge Structure Number: BSN1240

Name: WAITEKOHE STREAM BRIDGE

Route Position: 2 116 8.07

Direction: Increasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

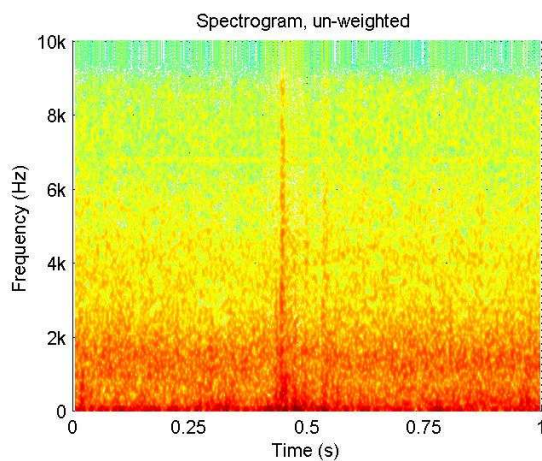
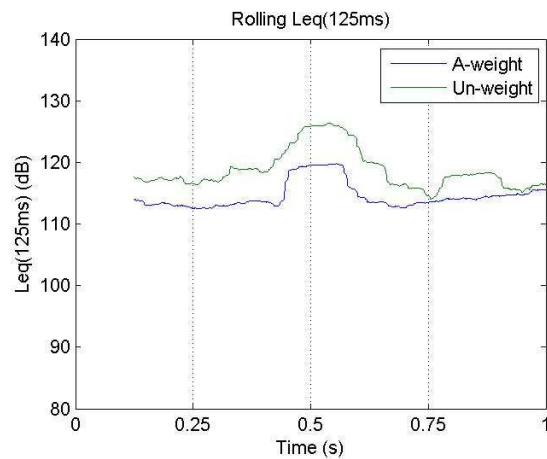
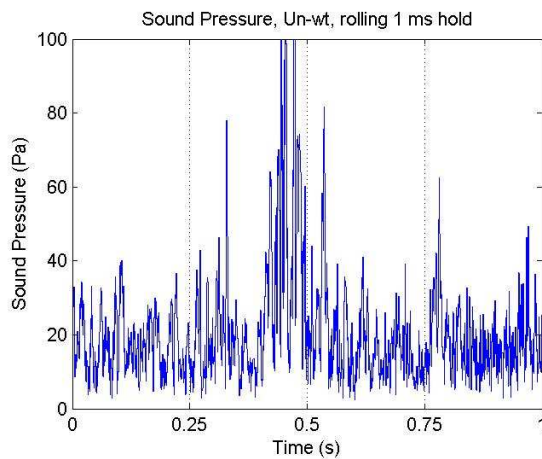
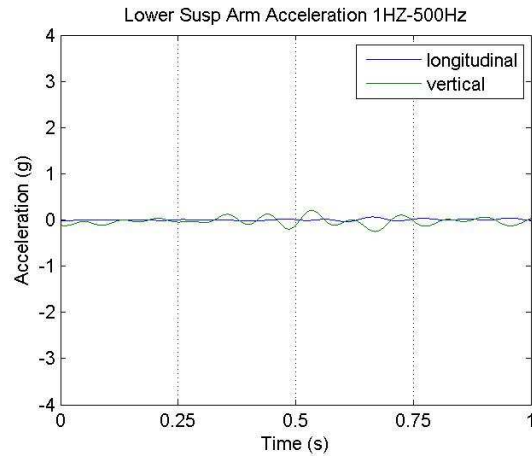
Time: 10:14:38

Marker No: 2

Latitude: -37.599257

Longitude: 175.915727

Speed (km/h): 86.7



Acceleration – Maximum vertical (g): 0.25
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 2.53
Displacement – Maximum longitudinal (mm): 0.66
Noise Peak Sound Pressure (Pa): 147.55
Average sound level, Leq(1s) (dB): 120.03
Average sound level, LAeq(1s) (dB): 115.21
Maximum sound level, Leq(125ms) (dB): 126.33
Maximum sound level, LAeq(125ms) (dBA): 119.78

Bridge Structure Number: BSN1265

Name: AONGATETE STREAM BRIDGE

Route Position: 2 116 10.56

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

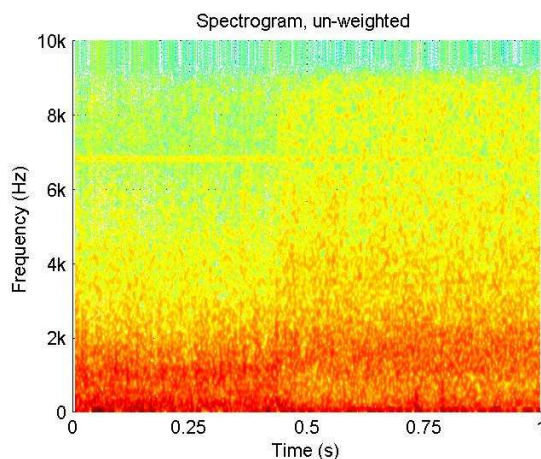
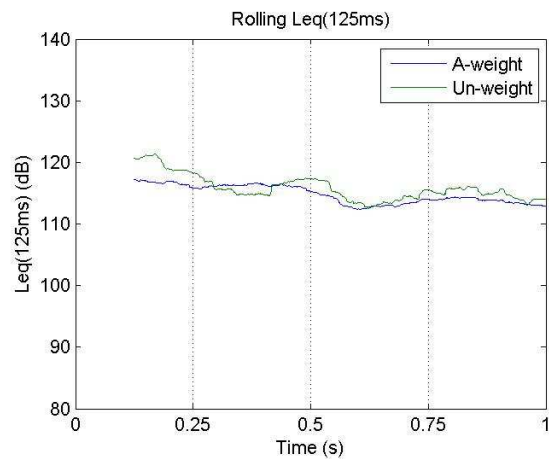
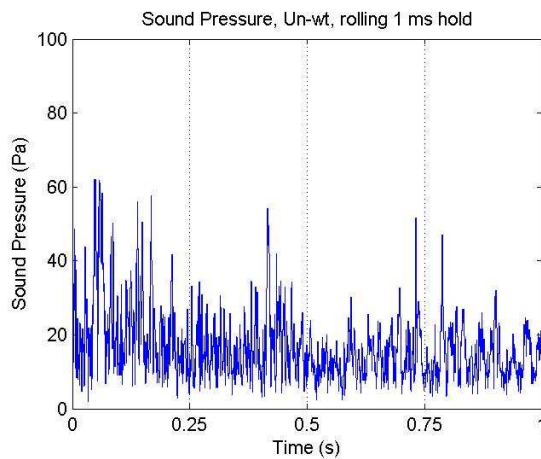
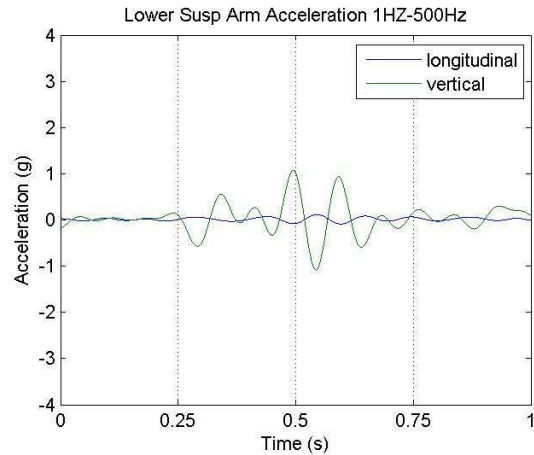
Time: 10:18:20

Marker No: 1

Latitude: -37.607753

Longitude: 175.942353

Speed (km/h): 81.5



Acceleration – Maximum vertical (g): 1.08
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 10.99
Displacement – Maximum longitudinal (mm): 1.19
Noise Peak Sound Pressure (Pa): 62.09
Average sound level, Leq(1s) (dB): 116.73
Average sound level, LAeq(1s) (dB): 115.07
Maximum sound level, Leq(125ms) (dB): 121.42
Maximum sound level, LAeq(125ms) (dBA): 117.19

Bridge Structure Number: BSN1265

Name: AONGATETE STREAM BRIDGE

Route Position: 2 116 10.56

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

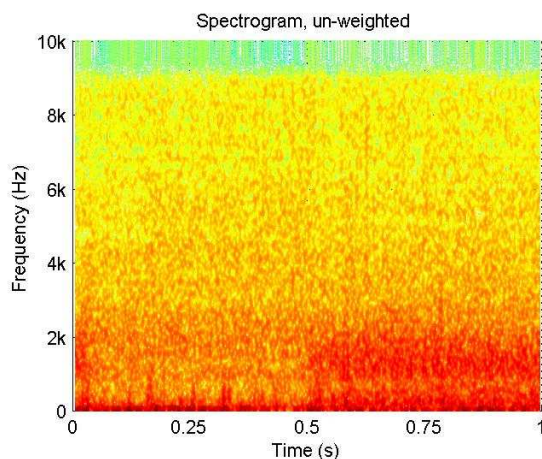
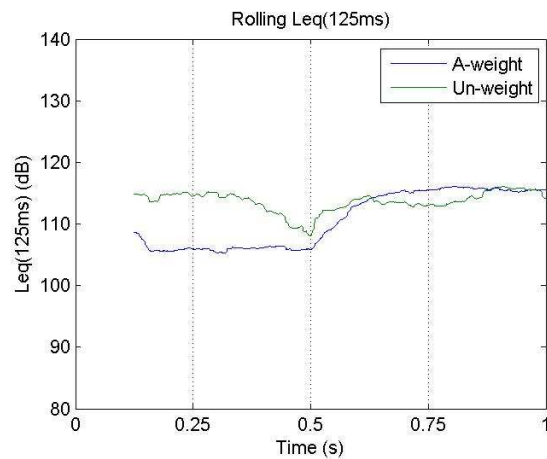
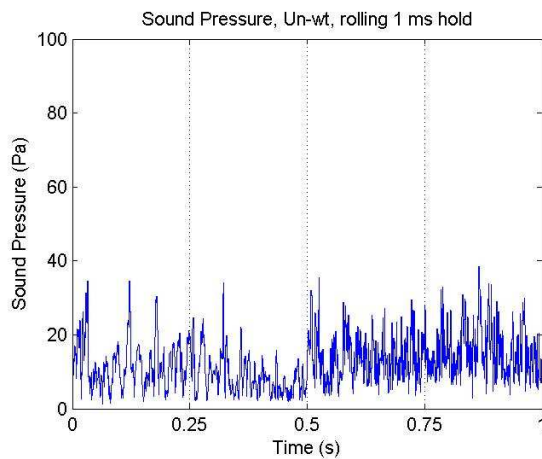
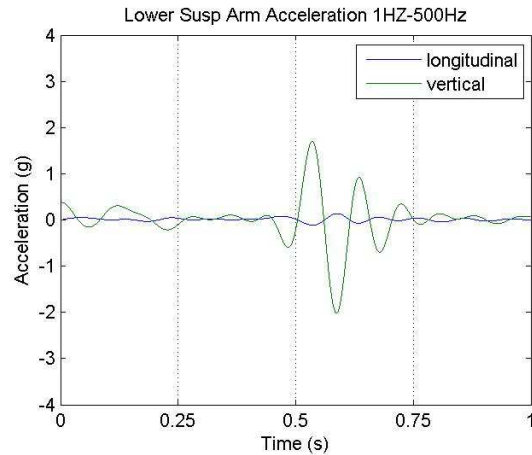
Time: 10:18:20

Marker No: 2

Latitude: -37.607492

Longitude: 175.941947

Speed (km/h): 83.2



Acceleration – Maximum vertical (g): 2.01
Acceleration – Maximum longitudinal (g): 0.14
Displacement – Maximum vertical (mm): 20.40
Displacement – Maximum longitudinal (mm): 1.39
Noise Peak Sound Pressure (Pa): 38.53
Average sound level, Leq(1s) (dB): 113.95
Average sound level, LAeq(1s) (dB): 112.80
Maximum sound level, Leq(125ms) (dB): 116.12
Maximum sound level, LAeq(125ms) (dBA): 116.13

Bridge Structure Number: BSN1265

Name: AONGATETE STREAM BRIDGE

Route Position: 2 116 10.56

Direction: Decreasing

Joint Type: Rubber seal (solid)

Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch

Date: 16-05-13

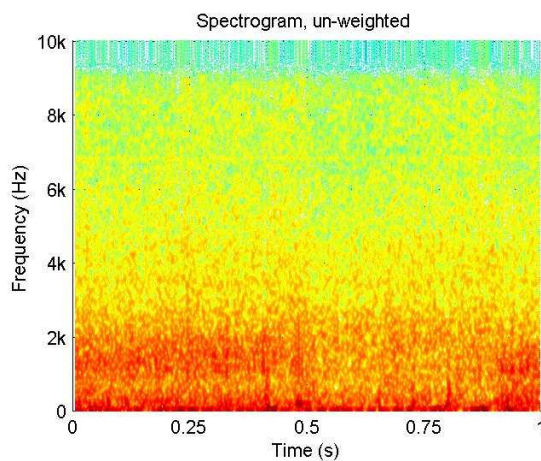
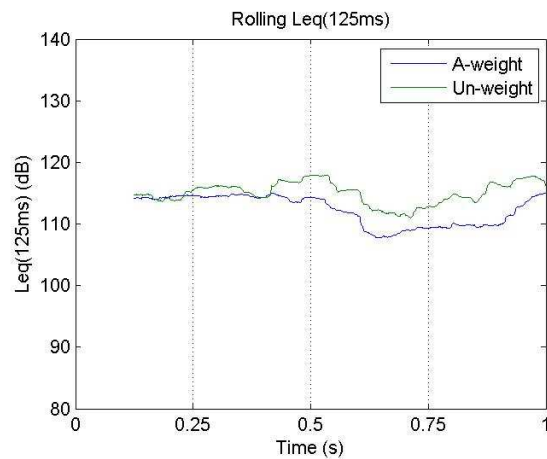
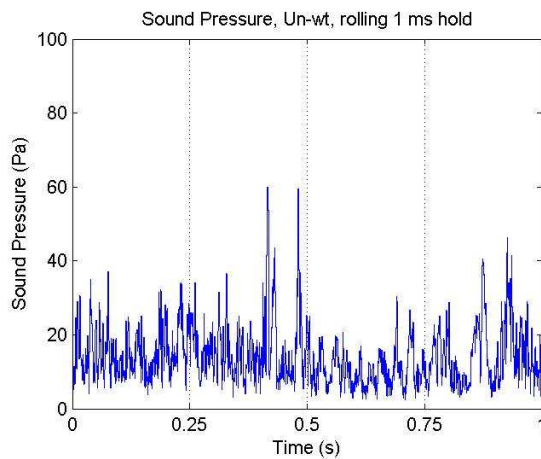
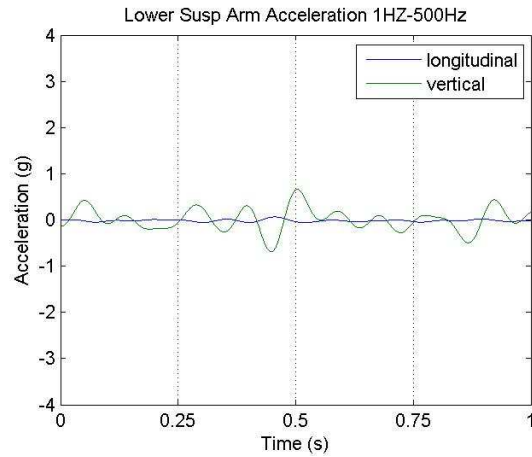
Time: 10:18:20

Marker No: 3

Latitude: -37.607222

Longitude: 175.941533

Speed (km/h): 85.2



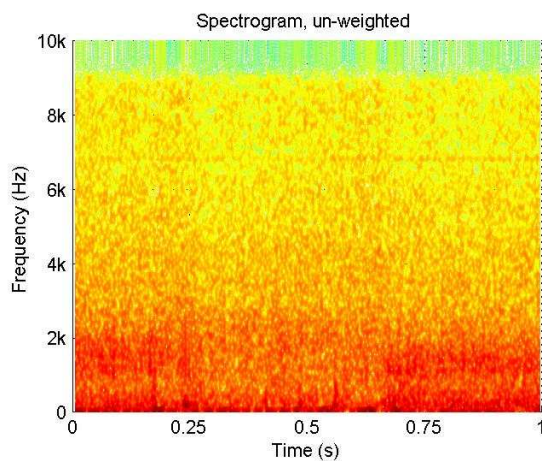
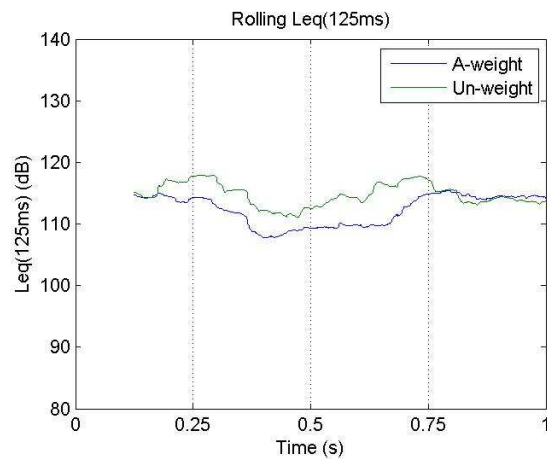
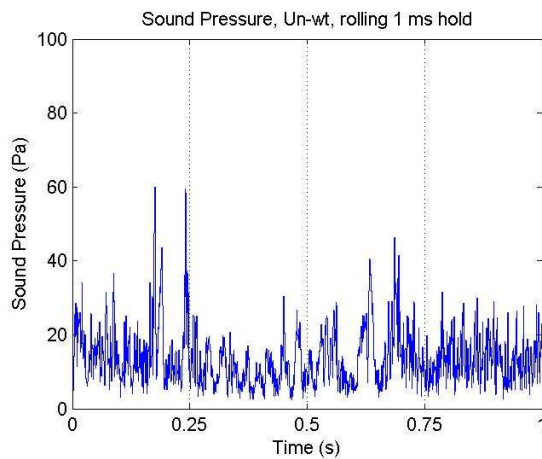
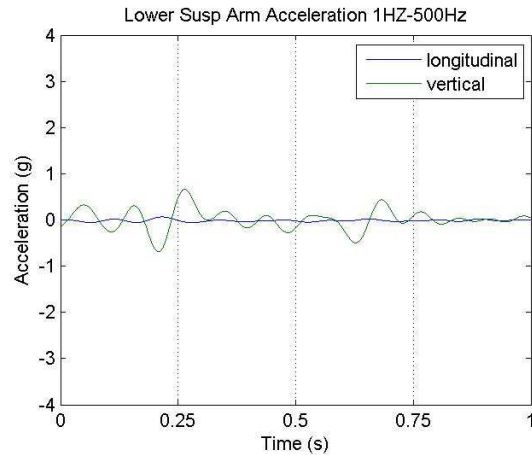
Acceleration – Maximum vertical (g): 0.69
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 6.99
Displacement – Maximum longitudinal (mm): 0.67
Noise Peak Sound Pressure (Pa): 59.87
Average sound level, Leq(1s) (dB): 115.36
Average sound level, LAeq(1s) (dB): 113.18
Maximum sound level, Leq(125ms) (dB): 117.94
Maximum sound level, LAeq(125ms) (dBA): 115.02

Bridge Structure Number: BSN1265

Name: AONGATETE STREAM BRIDGE
Route Position: 2 116 10.56
Direction: Decreasing
Joint Type: Rubber seal (solid)
Road Surface Type: Chip seal

Test Details:

Operator: I.Kvatch Latitude: -37.607088
Date: 16-05-13 Longitude: 175.941323
Time: 10:18:20 Speed (km/h): 85.2
Marker No: 4



Acceleration – Maximum vertical (g): 0.69
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 6.99
Displacement – Maximum longitudinal (mm): 0.67
Noise Peak Sound Pressure (Pa): 59.87
Average sound level, Leq(1s) (dB): 115.11
Average sound level, LAeq(1s) (dB): 113.15
Maximum sound level, Leq(125ms) (dB): 117.94
Maximum sound level, LAeq(125ms) (dBA): 115.43

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

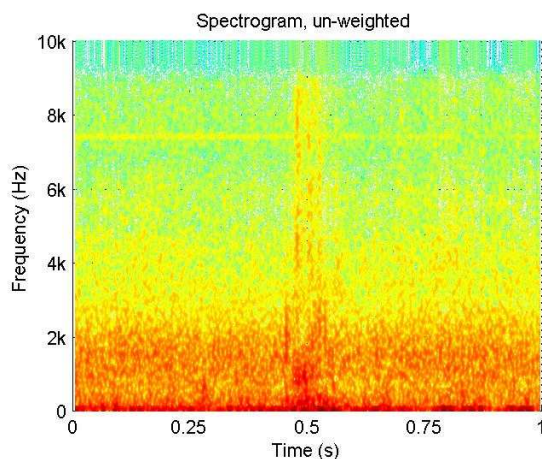
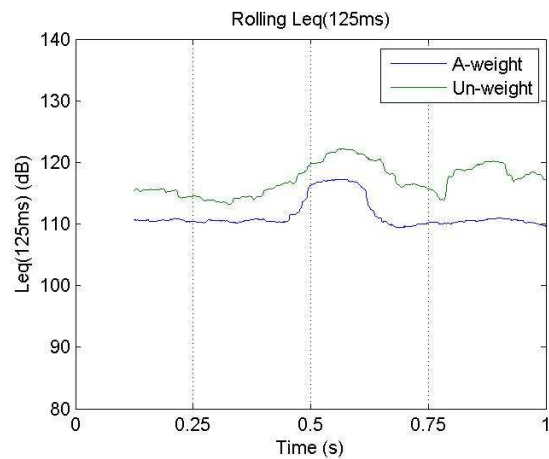
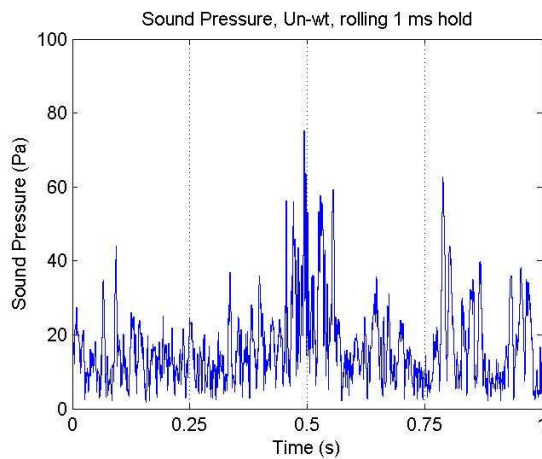
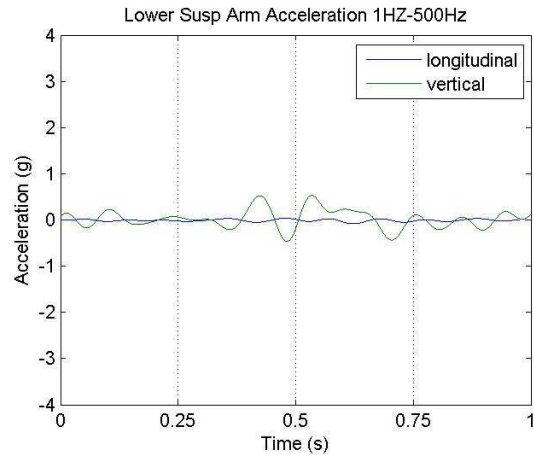
Time: 11:00:05

Marker No: 6

Latitude: -37.674105

Longitude: 176.170758

Speed (km/h): 83.3



Acceleration – Maximum vertical (g): 0.53
Acceleration – Maximum longitudinal (g): 0.08
Displacement – Maximum vertical (mm): 5.39
Displacement – Maximum longitudinal (mm): 0.84
Noise Peak Sound Pressure (Pa): 75.13
Average sound level, Leq(1s) (dB): 117.87
Average sound level, LAeq(1s) (dB): 112.00
Maximum sound level, Leq(125ms) (dB): 122.14
Maximum sound level, LAeq(125ms) (dBA): 117.19

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

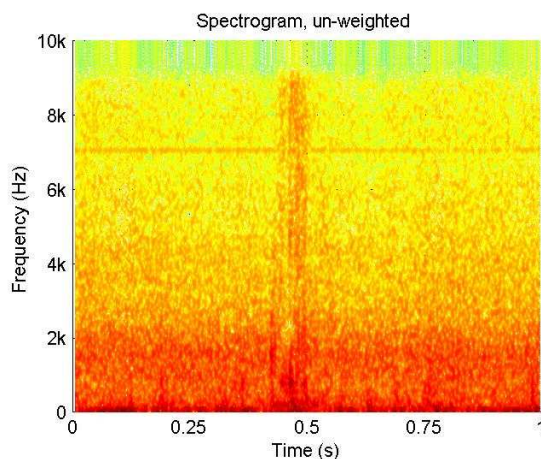
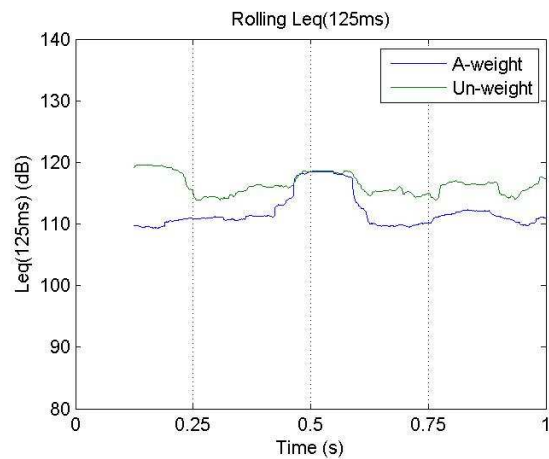
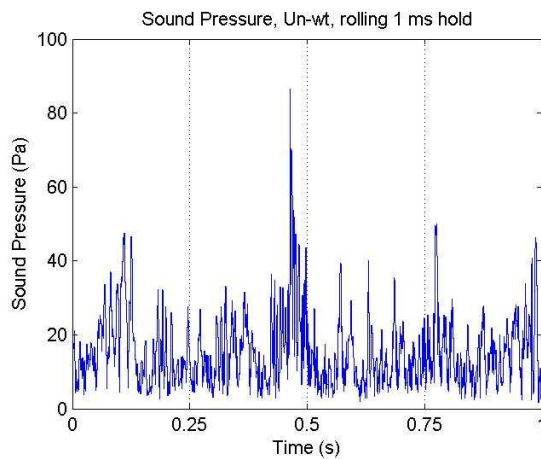
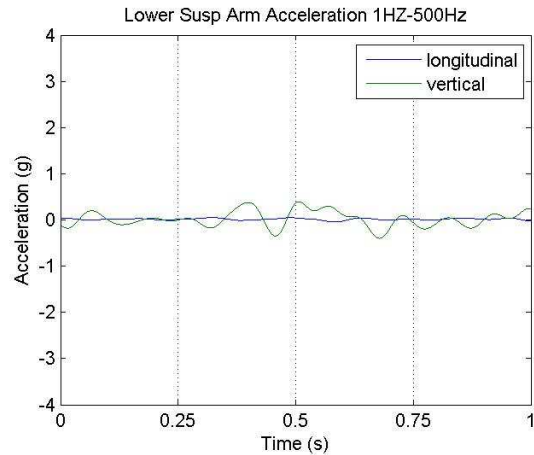
Time: 11:10:40

Marker No: 6

Latitude: -37.674220

Longitude: 176.171017

Speed (km/h): 87.0



Acceleration – Maximum vertical (g): 0.40
Acceleration – Maximum longitudinal (g): 0.05
Displacement – Maximum vertical (mm): 4.04
Displacement – Maximum longitudinal (mm): 0.52
Noise Peak Sound Pressure (Pa): 86.45
Average sound level, Leq(1s) (dB): 116.84
Average sound level, LAeq(1s) (dB): 112.88
Maximum sound level, Leq(125ms) (dB): 119.57
Maximum sound level, LAeq(125ms) (dBA): 118.58

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

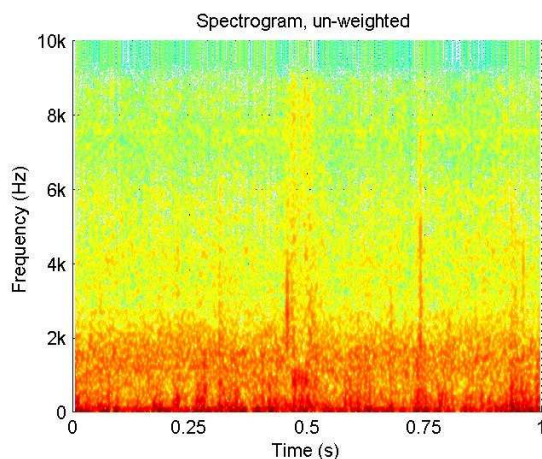
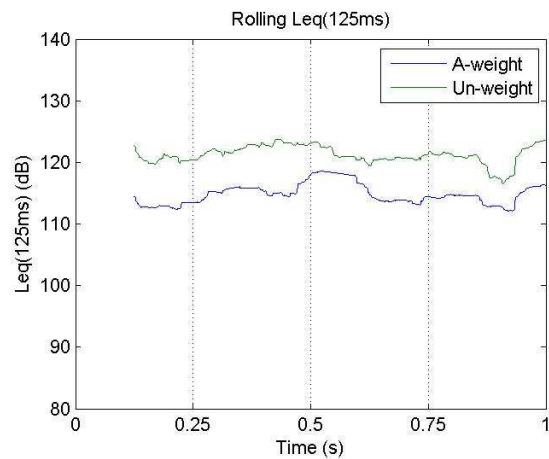
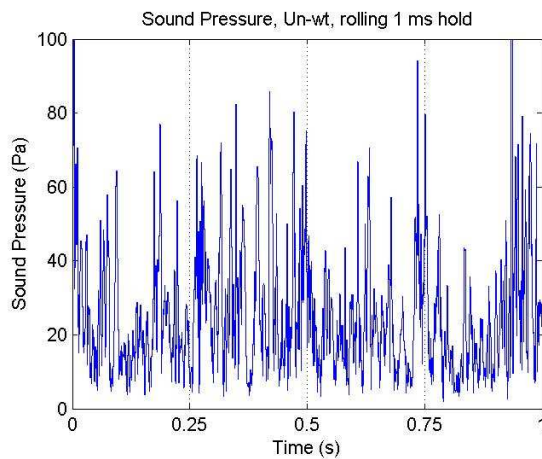
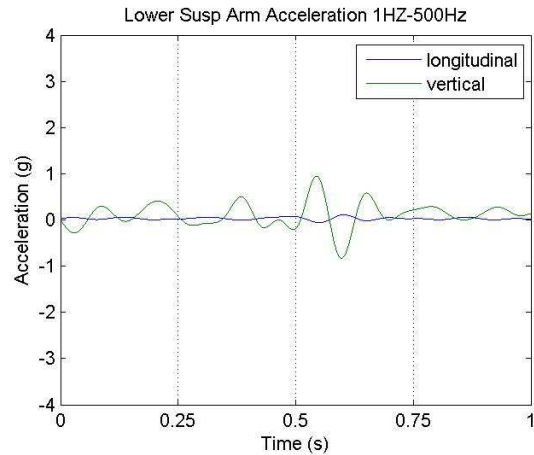
Time: 09:13:06

Marker No: 7

Latitude: -37.675855

Longitude: 176.165908

Speed (km/h): 88.3



Acceleration – Maximum vertical (g): 0.95
Acceleration – Maximum longitudinal (g): 0.11
Displacement – Maximum vertical (mm): 9.63
Displacement – Maximum longitudinal (mm): 1.14
Noise Peak Sound Pressure (Pa): 132.90
Average sound level, Leq(1s) (dB): 121.89
Average sound level, LAeq(1s) (dB): 115.32
Maximum sound level, Leq(125ms) (dB): 123.76
Maximum sound level, LAeq(125ms) (dBA): 118.55

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

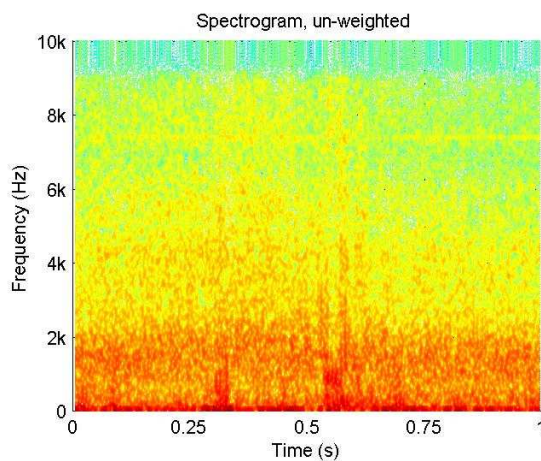
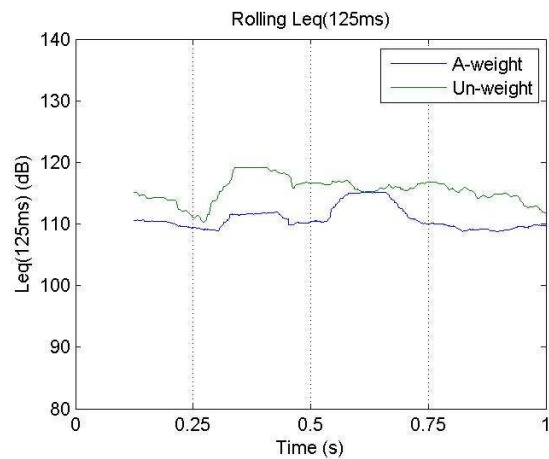
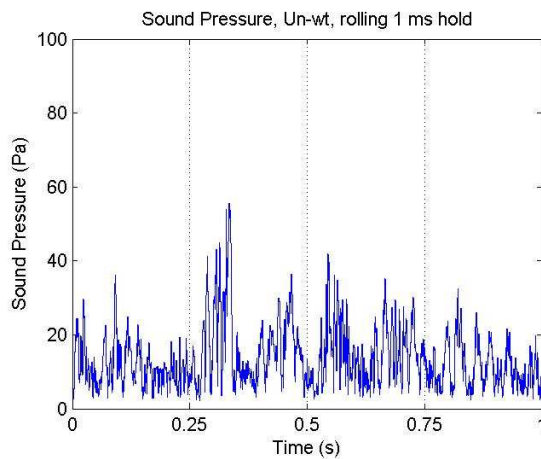
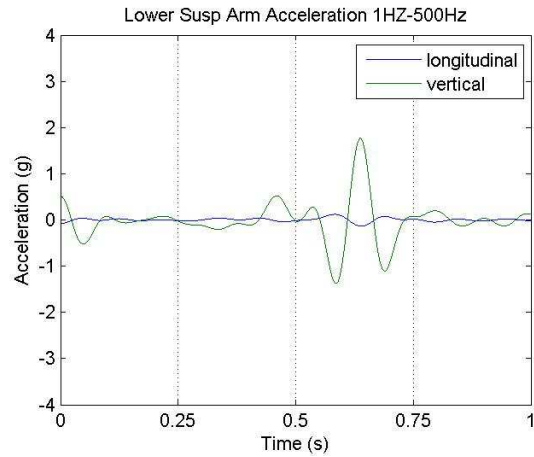
Time: 11:00:05

Marker No: 7

Latitude: -37.674102

Longitude: 176.168817

Speed (km/h): 77.4



Acceleration – Maximum vertical (g): 1.77
Acceleration – Maximum longitudinal (g): 0.14
Displacement – Maximum vertical (mm): 17.94
Displacement – Maximum longitudinal (mm): 1.38
Noise Peak Sound Pressure (Pa): 55.47
Average sound level, Leq(1s) (dB): 115.71
Average sound level, LAeq(1s) (dB): 111.18
Maximum sound level, Leq(125ms) (dB): 119.18
Maximum sound level, LAeq(125ms) (dBA): 115.16

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

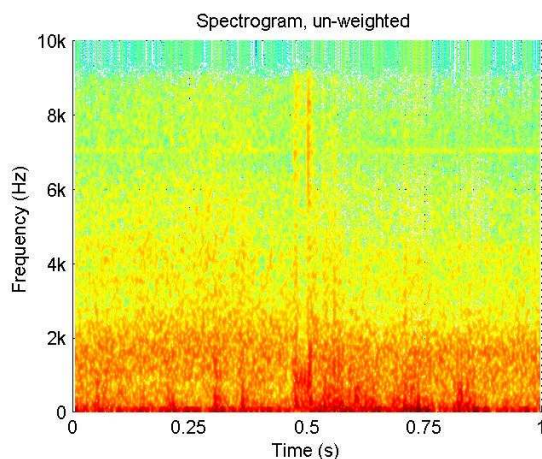
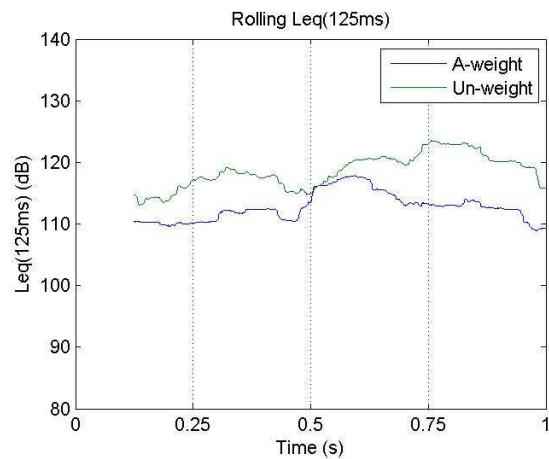
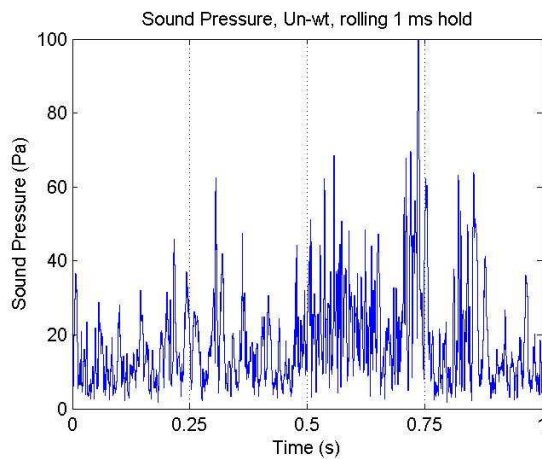
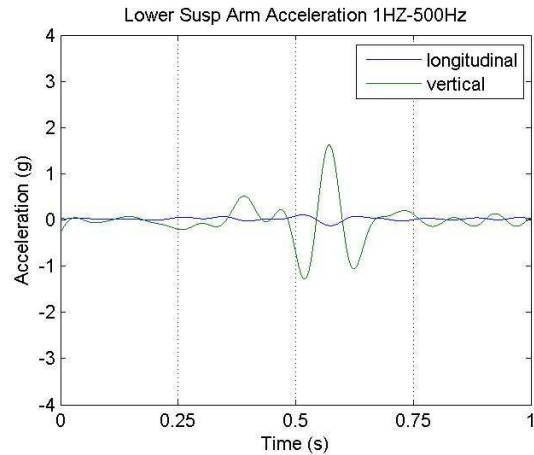
Time: 11:10:40

Marker No: 7

Latitude: -37.674118

Longitude: 176.168727

Speed (km/h): 83.5



Acceleration – Maximum vertical (g): 1.63
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 16.51
Displacement – Maximum longitudinal (mm): 1.26
Noise Peak Sound Pressure (Pa): 110.96
Average sound level, Leq(1s) (dB): 119.10
Average sound level, LAeq(1s) (dB): 113.08
Maximum sound level, Leq(125ms) (dB): 123.52
Maximum sound level, LAeq(125ms) (dBA): 117.84

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

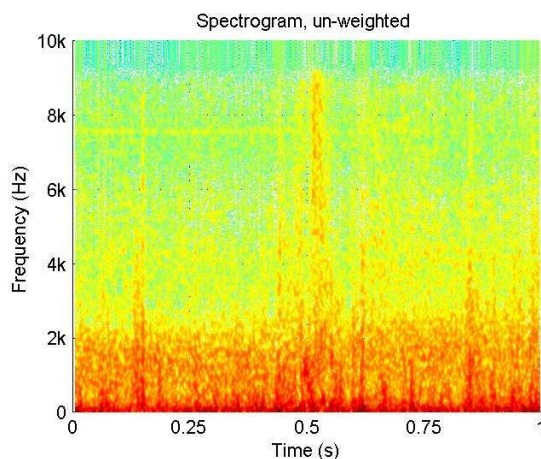
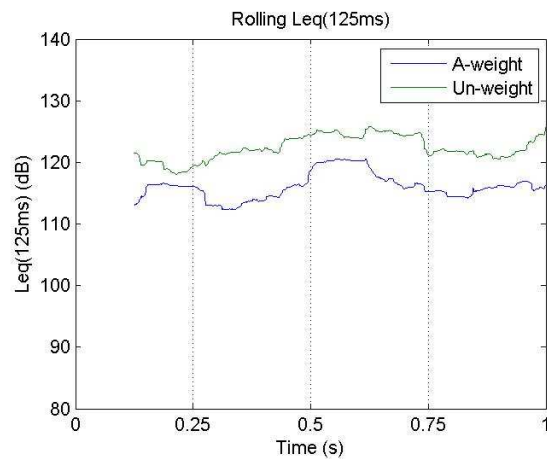
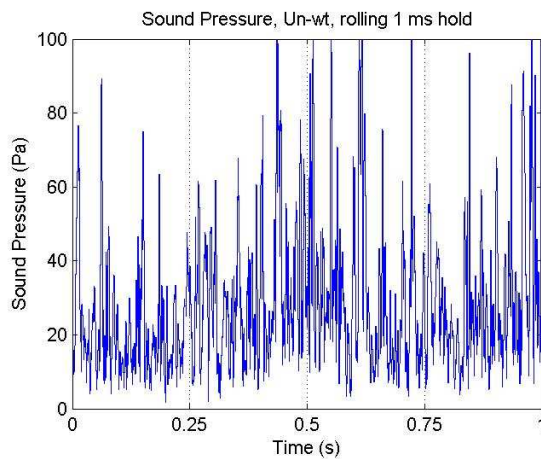
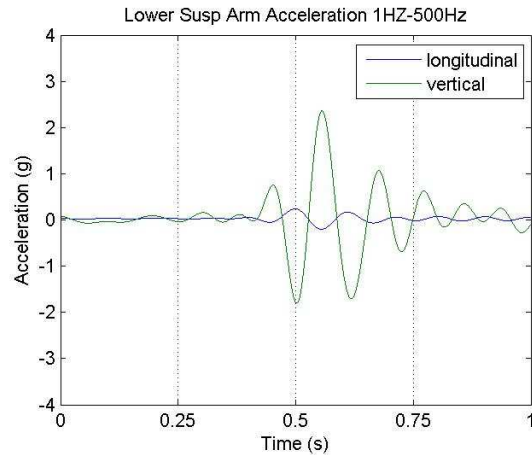
Time: 09:13:06

Marker No: 8

Latitude: -37.676390

Longitude: 176.165400

Speed (km/h): 89.3



Acceleration – Maximum vertical (g): 2.37
Acceleration – Maximum longitudinal (g): 0.24
Displacement – Maximum vertical (mm): 24.03
Displacement – Maximum longitudinal (mm): 2.43
Noise Peak Sound Pressure (Pa): 160.17
Average sound level, Leq(1s) (dB): 123.23
Average sound level, LAeq(1s) (dB): 116.53
Maximum sound level, Leq(125ms) (dB): 125.81
Maximum sound level, LAeq(125ms) (dBA): 120.56

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

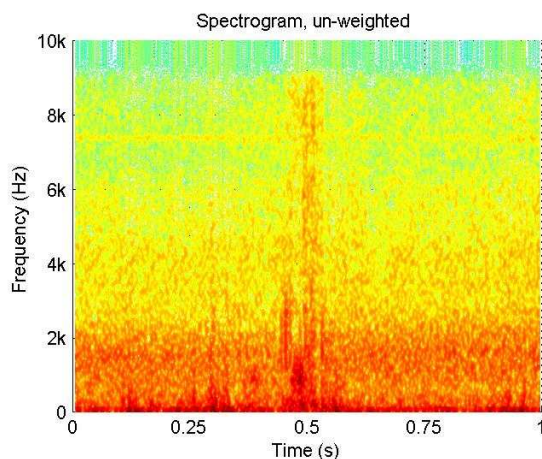
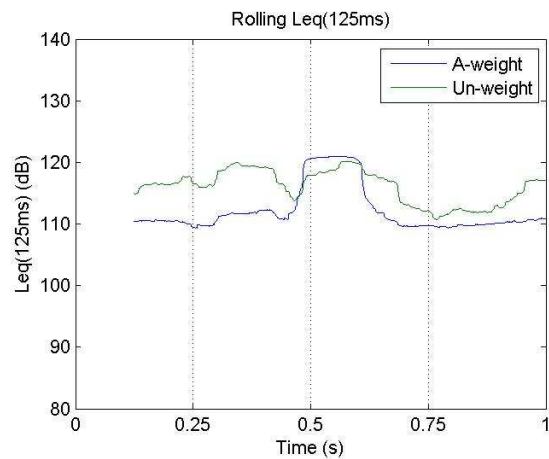
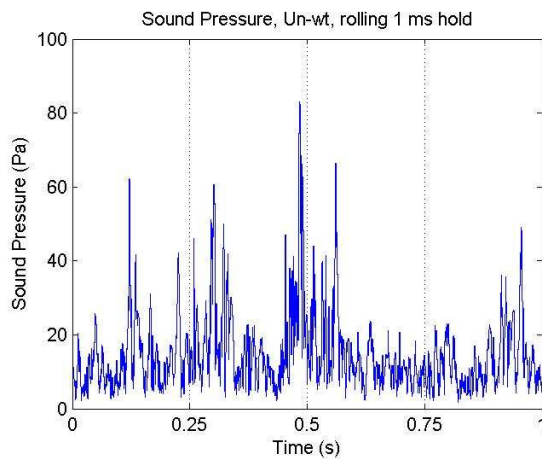
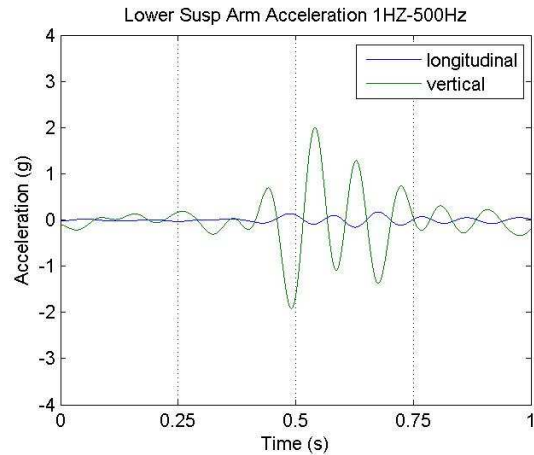
Time: 11:00:05

Marker No: 8

Latitude: -37.674535

Longitude: 176.167930

Speed (km/h): 83.5



Acceleration – Maximum vertical (g): 2.00
Acceleration – Maximum longitudinal (g): 0.17
Displacement – Maximum vertical (mm): 20.30
Displacement – Maximum longitudinal (mm): 1.76
Noise Peak Sound Pressure (Pa): 83.08
Average sound level, Leq(1s) (dB): 116.65
Average sound level, LAeq(1s) (dB): 114.05
Maximum sound level, Leq(125ms) (dB): 120.16
Maximum sound level, LAeq(125ms) (dBA): 121.01

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Decreasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

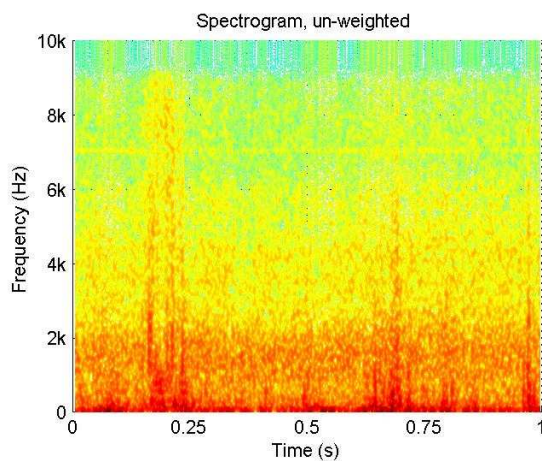
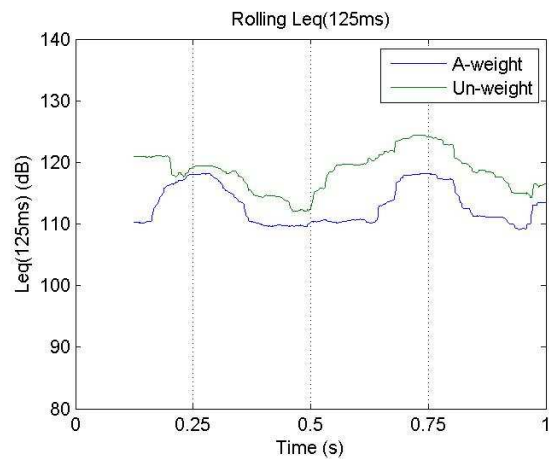
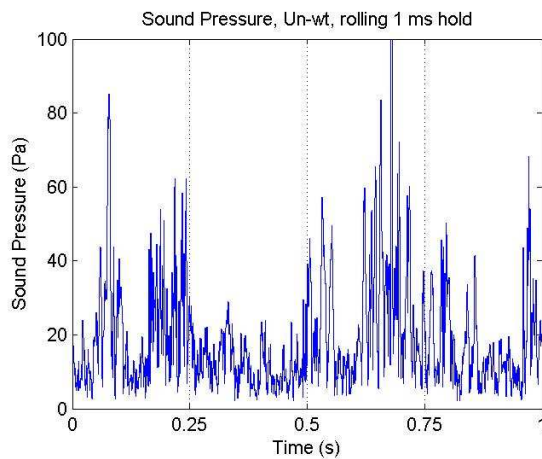
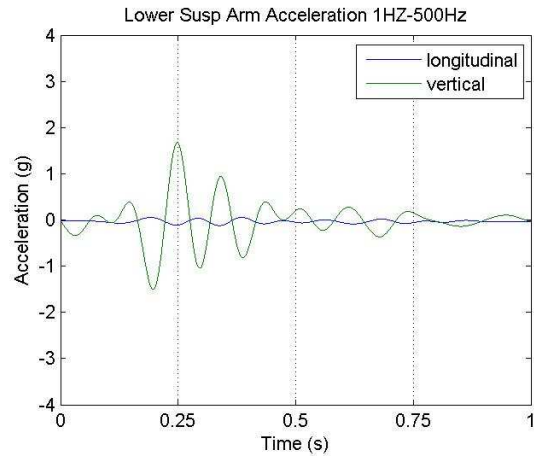
Time: 11:10:40

Marker No: 8

Latitude: -37.674585

Longitude: 176.167828

Speed (km/h): 84.6



Acceleration – Maximum vertical (g): 1.68
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 17.01
Displacement – Maximum longitudinal (mm): 1.24
Noise Peak Sound Pressure (Pa): 155.61
Average sound level, Leq(1s) (dB): 119.70
Average sound level, LAeq(1s) (dB): 114.12
Maximum sound level, Leq(125ms) (dB): 124.46
Maximum sound level, LAeq(125ms) (dBA): 118.15

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

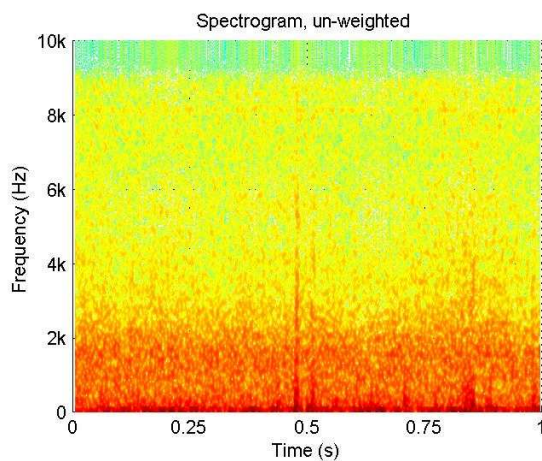
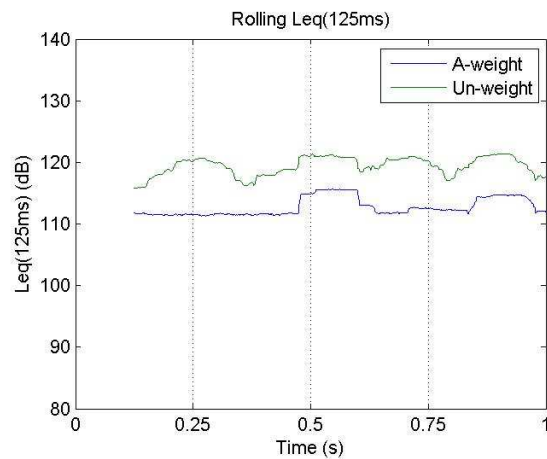
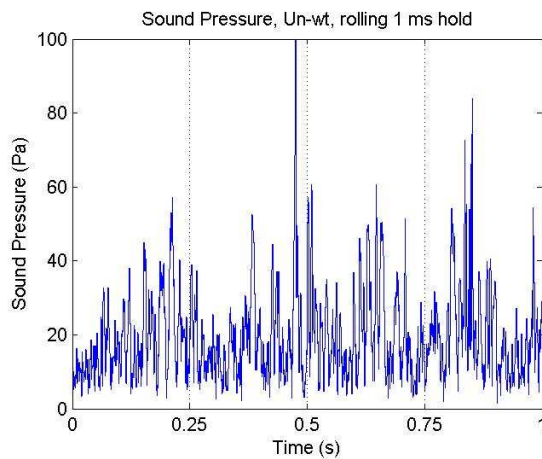
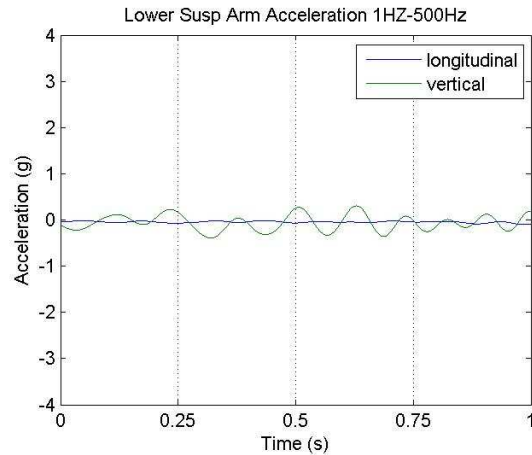
Time: 09:05:27

Marker No: 1

Latitude: -37.679170

Longitude: 176.163915

Speed (km/h): 85.2



Acceleration – Maximum vertical (g): 0.39
Acceleration – Maximum longitudinal (g): 0.10
Displacement – Maximum vertical (mm): 3.96
Displacement – Maximum longitudinal (mm): 1.02
Noise Peak Sound Pressure (Pa): 131.21
Average sound level, Leq(1s) (dB): 119.34
Average sound level, LAeq(1s) (dB): 112.88
Maximum sound level, Leq(125ms) (dB): 121.42
Maximum sound level, LAeq(125ms) (dBA): 115.63

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

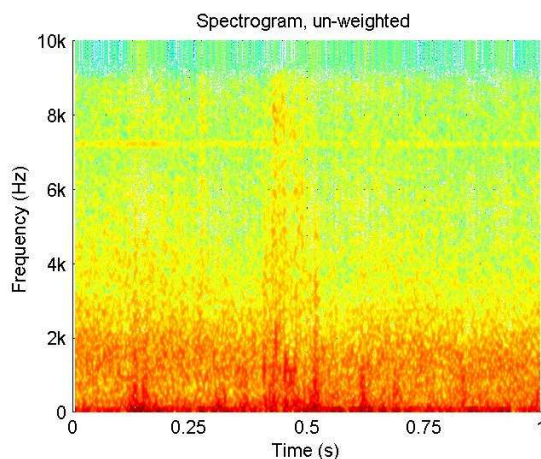
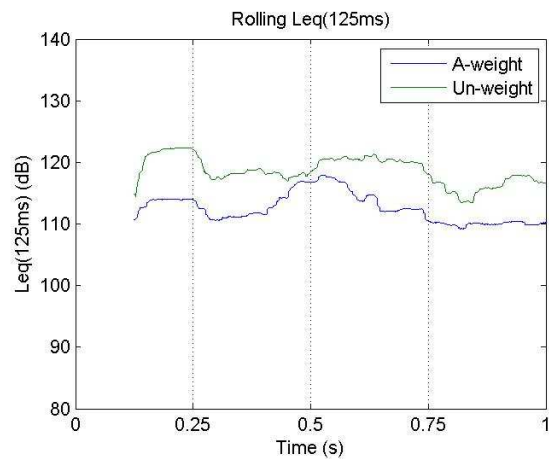
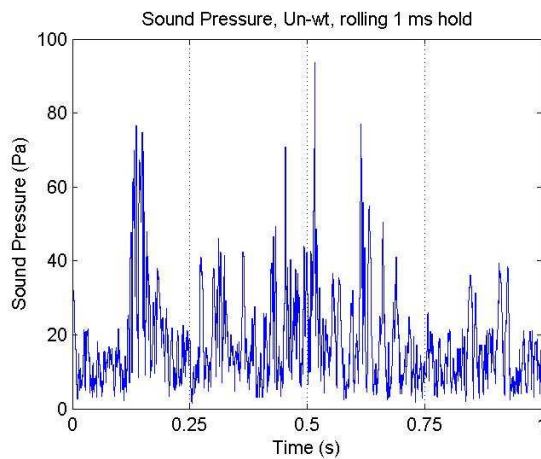
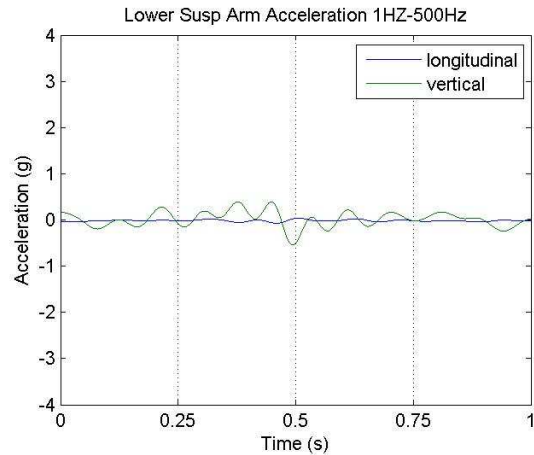
Time: 11:05:35

Marker No: 1

Latitude: -37.676802

Longitude: 176.164997

Speed (km/h): 83.2



Acceleration – Maximum vertical (g): 0.54
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 5.43
Displacement – Maximum longitudinal (mm): 0.72
Noise Peak Sound Pressure (Pa): 93.69
Average sound level, Leq(1s) (dB): 118.85
Average sound level, LAeq(1s) (dB): 113.02
Maximum sound level, Leq(125ms) (dB): 122.32
Maximum sound level, LAeq(125ms) (dBA): 117.91

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

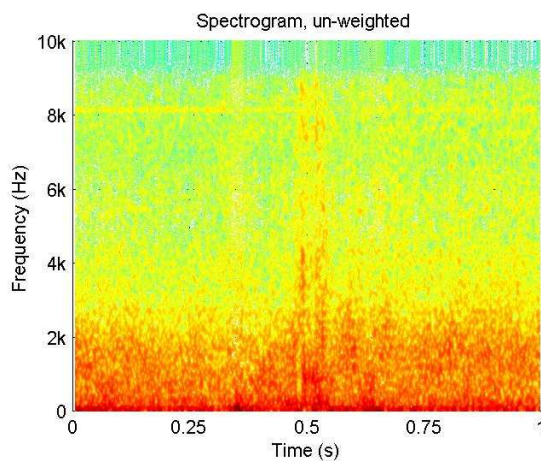
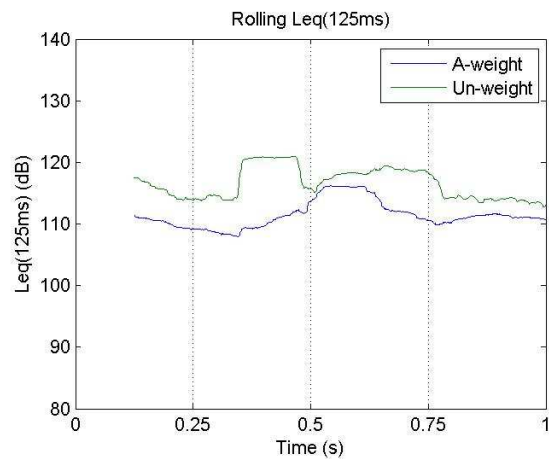
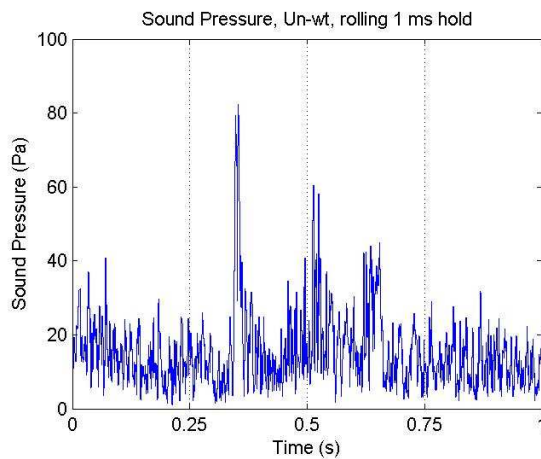
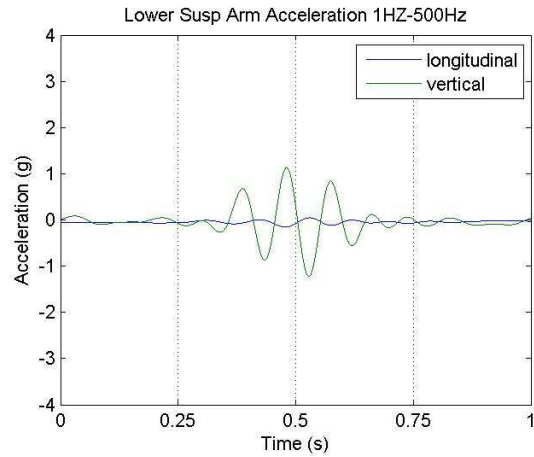
Time: 09:05:27

Marker No: 2

Latitude: -37.678578

Longitude: 176.164188

Speed (km/h): 83.7



Acceleration – Maximum vertical (g): 1.21
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 12.31
Displacement – Maximum longitudinal (mm): 1.56
Noise Peak Sound Pressure (Pa): 82.29
Average sound level, Leq(1s) (dB): 117.17
Average sound level, LAeq(1s) (dB): 111.93
Maximum sound level, Leq(125ms) (dB): 120.95
Maximum sound level, LAeq(125ms) (dBA): 116.20

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

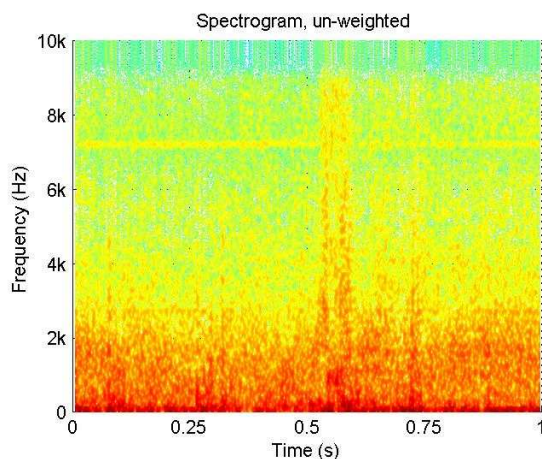
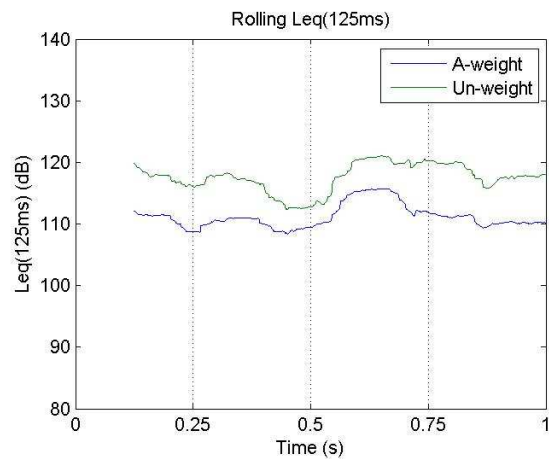
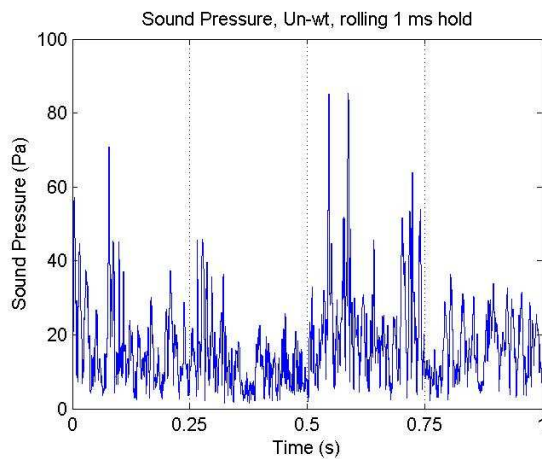
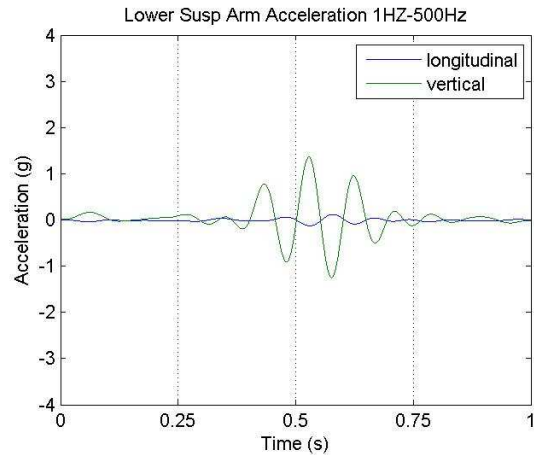
Time: 11:05:35

Marker No: 2

Latitude: -37.676067

Longitude: 176.165502

Speed (km/h): 84.1



Acceleration – Maximum vertical (g): 1.36
Acceleration – Maximum longitudinal (g): 0.13
Displacement – Maximum vertical (mm): 13.82
Displacement – Maximum longitudinal (mm): 1.29
Noise Peak Sound Pressure (Pa): 85.42
Average sound level, Leq(1s) (dB): 118.25
Average sound level, LAeq(1s) (dB): 111.59
Maximum sound level, Leq(125ms) (dB): 121.04
Maximum sound level, LAeq(125ms) (dBA): 115.68

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

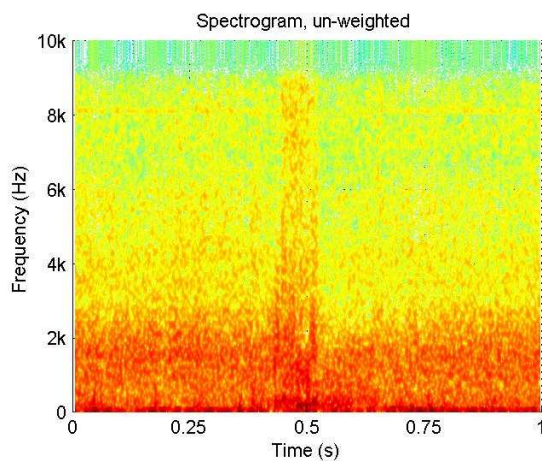
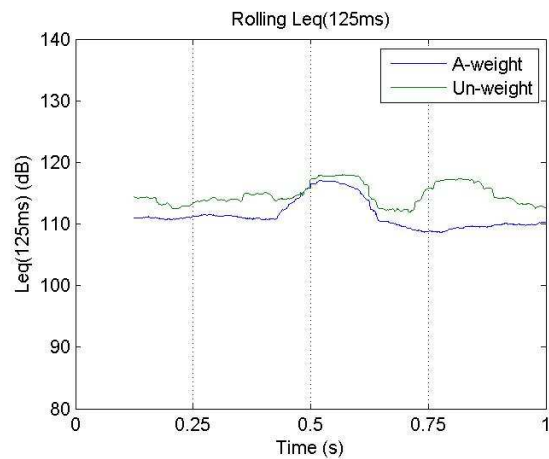
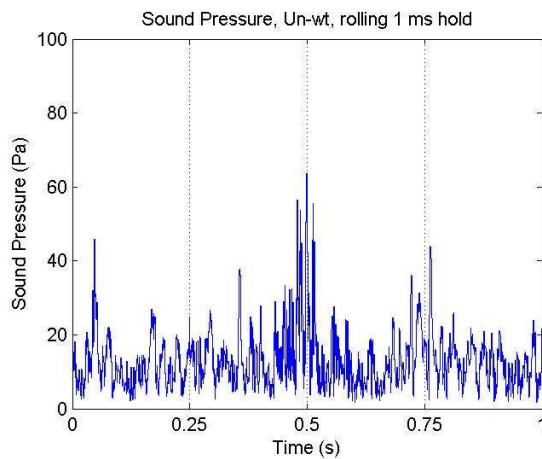
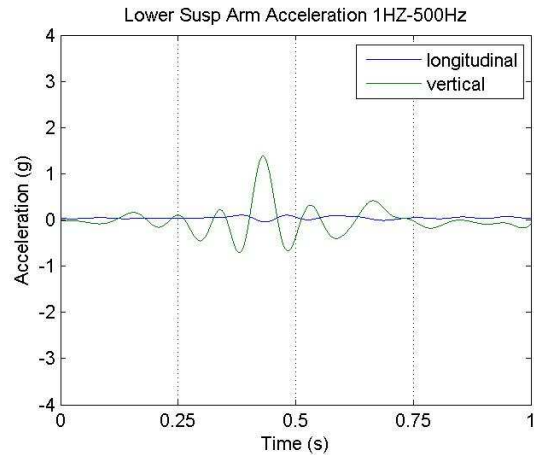
Time: 09:05:27

Marker No: 3

Latitude: -37.676953

Longitude: 176.164928

Speed (km/h): 88.5



Acceleration – Maximum vertical (g): 1.38
Acceleration – Maximum longitudinal (g): 0.11
Displacement – Maximum vertical (mm): 14.03
Displacement – Maximum longitudinal (mm): 1.06
Noise Peak Sound Pressure (Pa): 63.72
Average sound level, Leq(1s) (dB): 115.00
Average sound level, LAeq(1s) (dB): 112.04
Maximum sound level, Leq(125ms) (dB): 117.99
Maximum sound level, LAeq(125ms) (dBA): 117.03

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

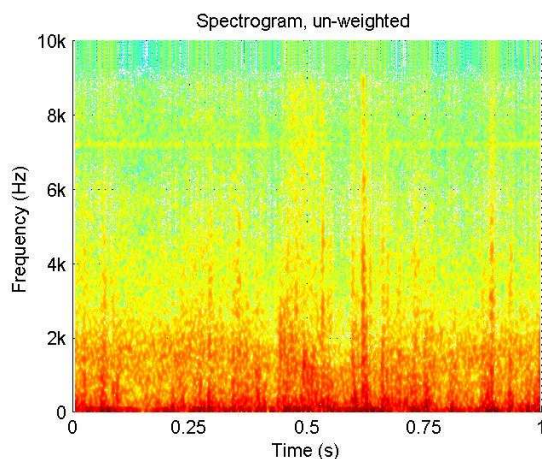
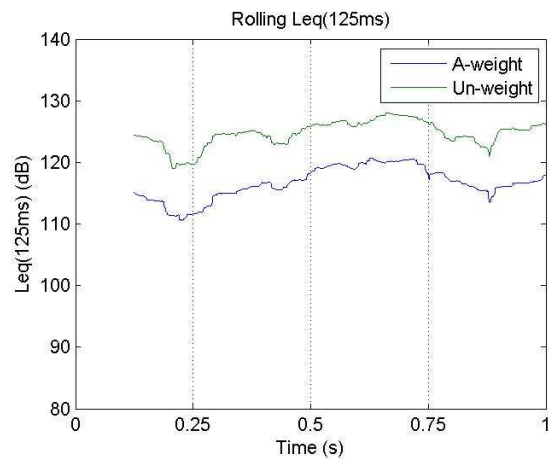
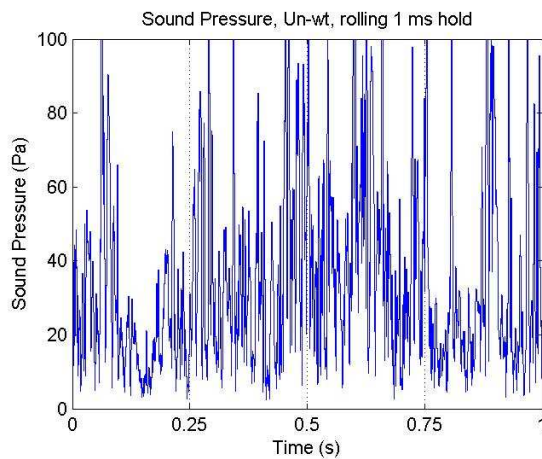
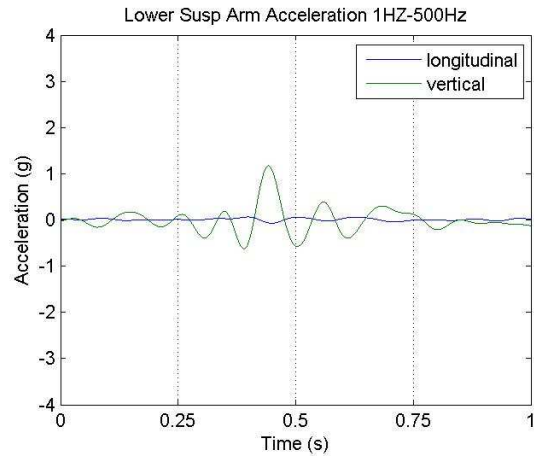
Time: 11:05:35

Marker No: 3

Latitude: -37.674813

Longitude: 176.167303

Speed (km/h): 84.5



Acceleration – Maximum vertical (g): 1.17
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 11.91
Displacement – Maximum longitudinal (mm): 0.71
Noise Peak Sound Pressure (Pa): 166.64
Average sound level, Leq(1s) (dB): 125.06
Average sound level, LAeq(1s) (dB): 117.23
Maximum sound level, Leq(125ms) (dB): 128.05
Maximum sound level, LAeq(125ms) (dBA): 120.70

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

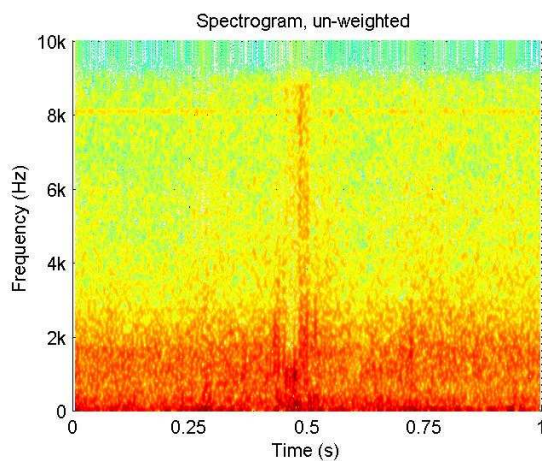
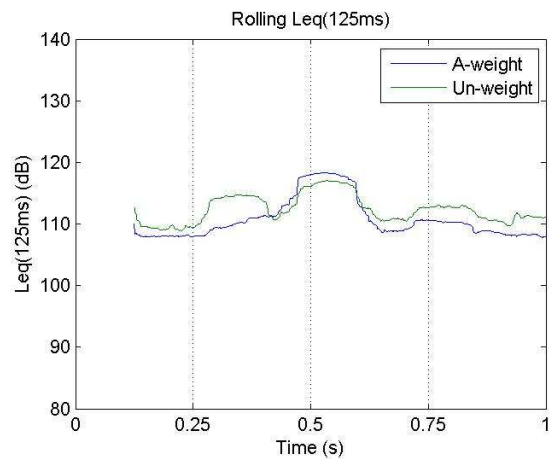
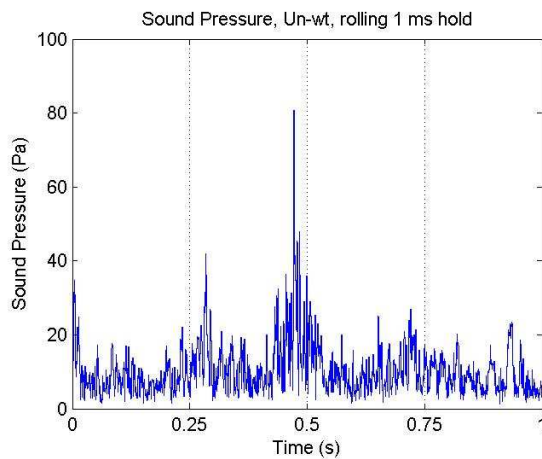
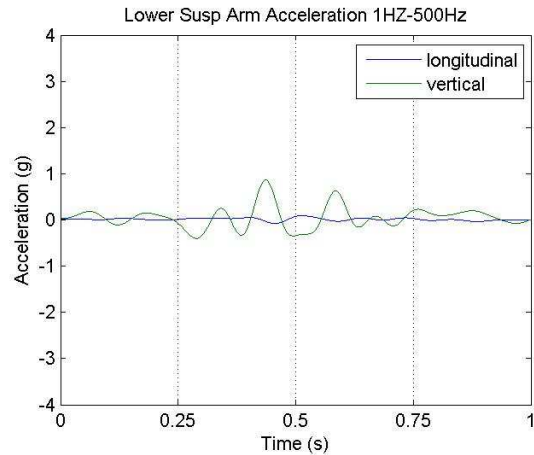
Time: 09:05:27

Marker No: 4

Latitude: -37.675832

Longitude: 176.165737

Speed (km/h): 86.5



Acceleration – Maximum vertical (g): 0.86
Acceleration – Maximum longitudinal (g): 0.09
Displacement – Maximum vertical (mm): 8.77
Displacement – Maximum longitudinal (mm): 0.93
Noise Peak Sound Pressure (Pa): 80.67
Average sound level, Leq(1s) (dB): 112.98
Average sound level, LAeq(1s) (dB): 112.07
Maximum sound level, Leq(125ms) (dB): 117.01
Maximum sound level, LAeq(125ms) (dBA): 118.27

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

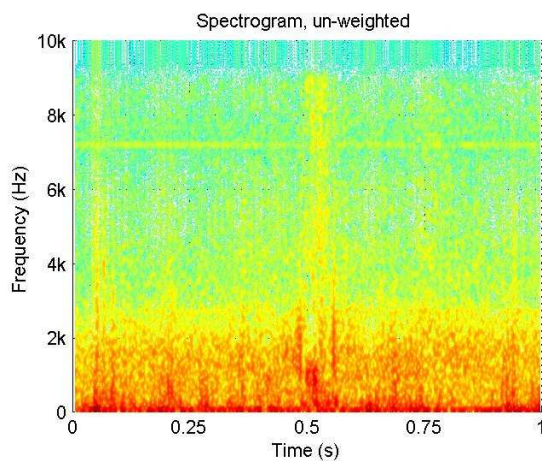
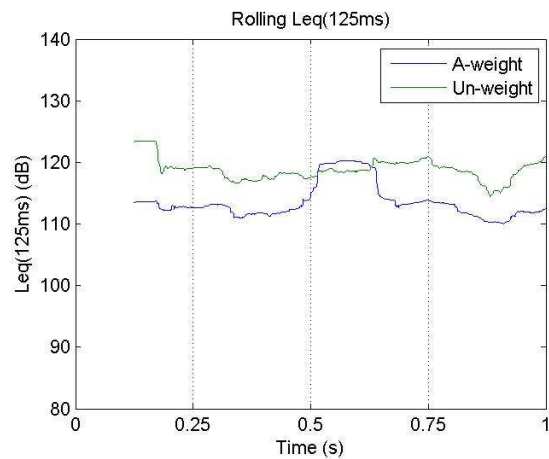
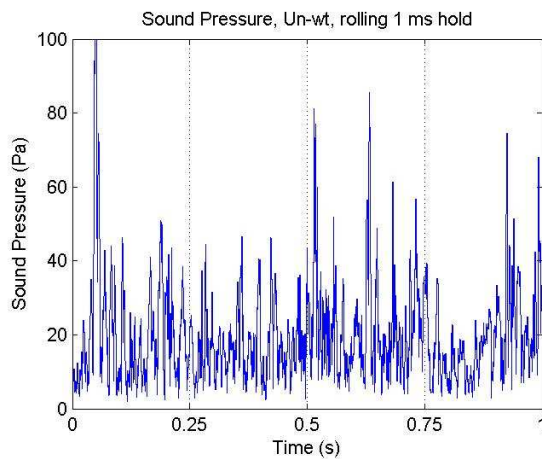
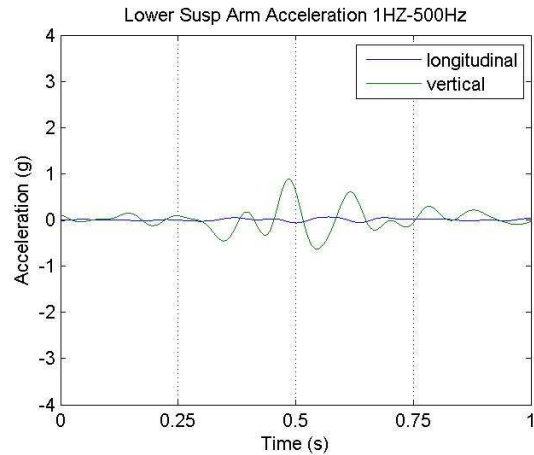
Time: 11:05:35

Marker No: 4

Latitude: -37.674085

Longitude: 176.168598

Speed (km/h): 84.3



Acceleration – Maximum vertical (g): 0.89
Acceleration – Maximum longitudinal (g): 0.06
Displacement – Maximum vertical (mm): 8.98
Displacement – Maximum longitudinal (mm): 0.66
Noise Peak Sound Pressure (Pa): 143.78
Average sound level, Leq(1s) (dB): 119.79
Average sound level, LAeq(1s) (dB): 114.55
Maximum sound level, Leq(125ms) (dB): 123.48
Maximum sound level, LAeq(125ms) (dBA): 120.25

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

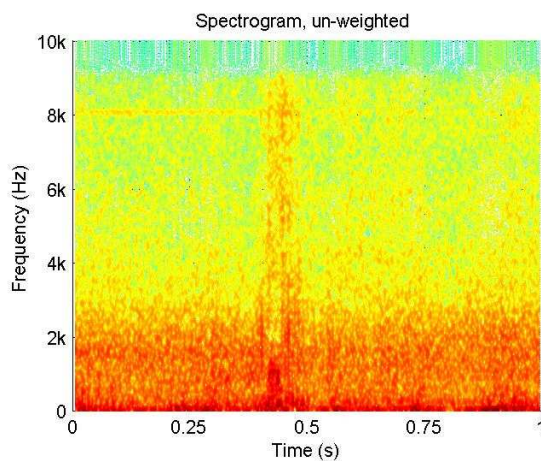
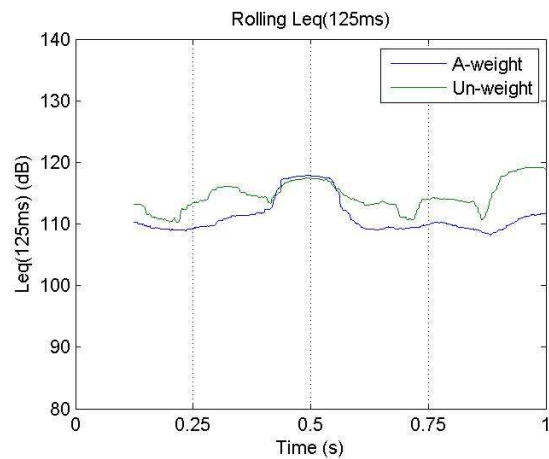
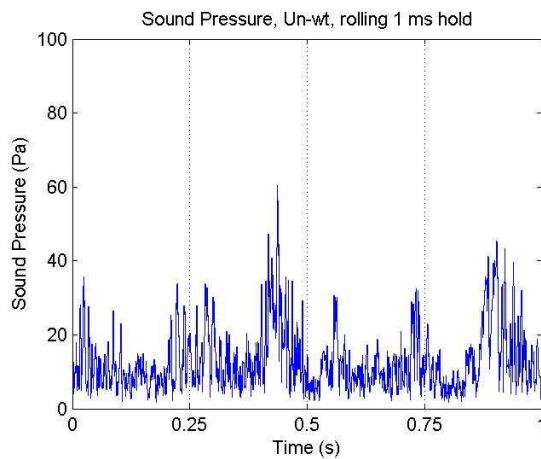
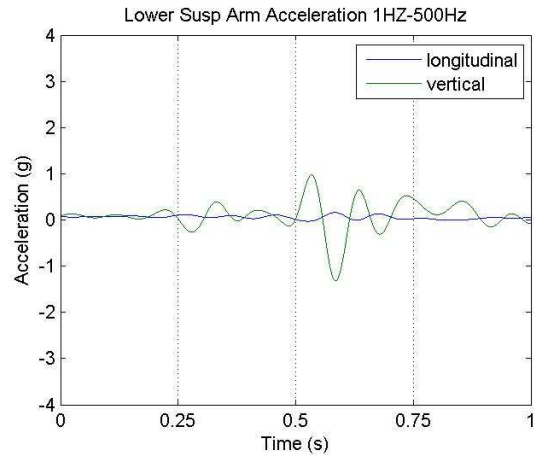
Time: 09:05:27

Marker No: 5

Latitude: -37.674992

Longitude: 176.167033

Speed (km/h): 89.3



Acceleration – Maximum vertical (g): 1.32
Acceleration – Maximum longitudinal (g): 0.16
Displacement – Maximum vertical (mm): 13.36
Displacement – Maximum longitudinal (mm): 1.63
Noise Peak Sound Pressure (Pa): 60.45
Average sound level, Leq(1s) (dB): 115.22
Average sound level, LAeq(1s) (dB): 112.22
Maximum sound level, Leq(125ms) (dB): 119.19
Maximum sound level, LAeq(125ms) (dBA): 117.85

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

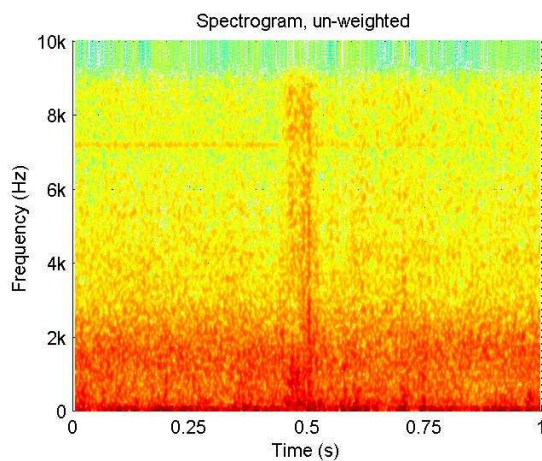
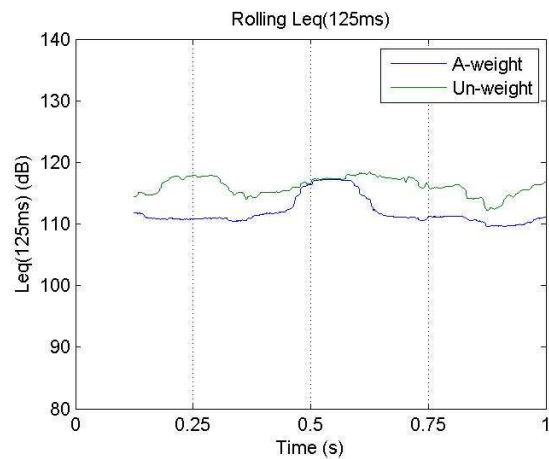
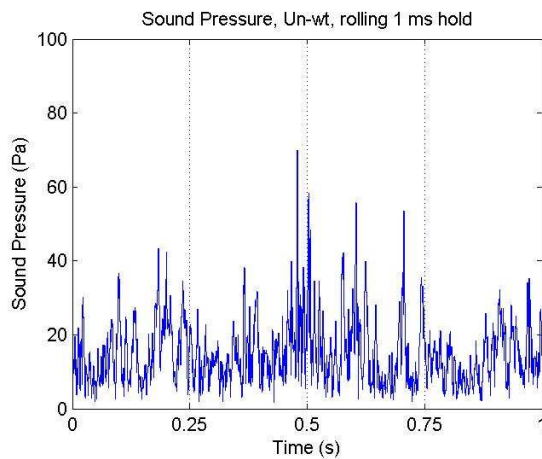
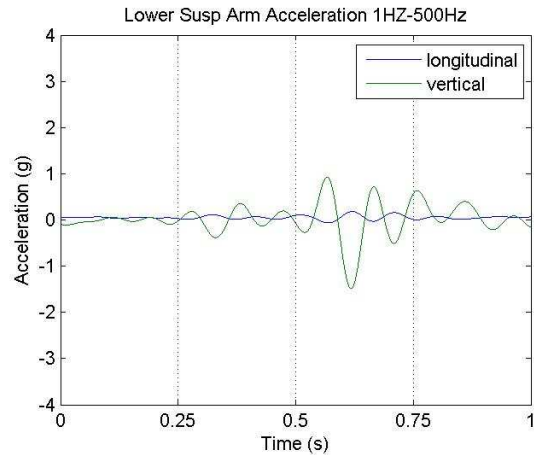
Time: 11:05:35

Marker No: 5

Latitude: -37.673857

Longitude: 176.169905

Speed (km/h): 85.2



Acceleration – Maximum vertical (g): 1.49
Acceleration – Maximum longitudinal (g): 0.18
Displacement – Maximum vertical (mm): 15.08
Displacement – Maximum longitudinal (mm): 1.86
Noise Peak Sound Pressure (Pa): 69.77
Average sound level, Leq(1s) (dB): 116.24
Average sound level, LAeq(1s) (dB): 112.54
Maximum sound level, Leq(125ms) (dB): 118.45
Maximum sound level, LAeq(125ms) (dBA): 117.22

Bridge Structure Number: BSN1550

Name: CHAPEL STREET VIADUCT

Route Position: 2 151 4.04

Direction: Increasing

Joint Type: Rubber extrusion + embedded steel plate

Road Surface Type: Stone Mastic Asphalt

Test Details:

Operator: I.Kvatch

Date: 16-05-13

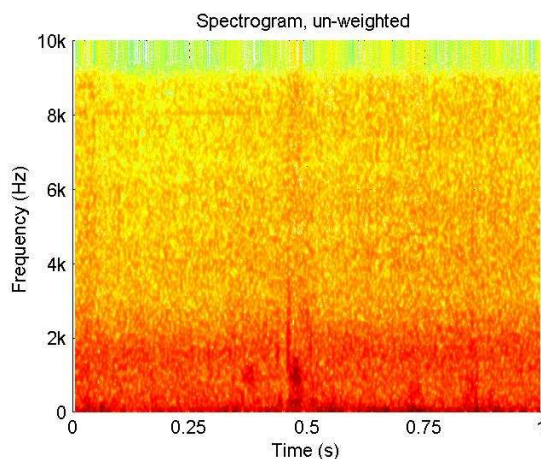
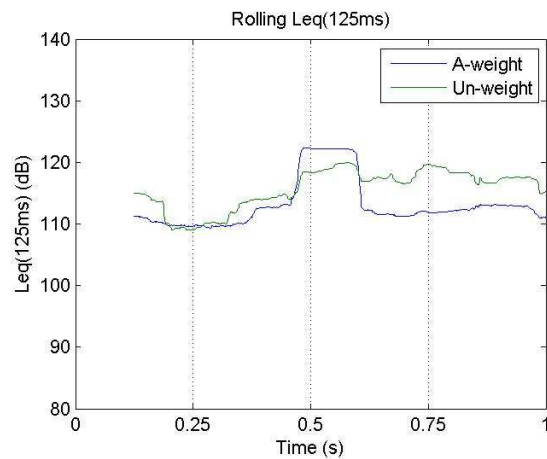
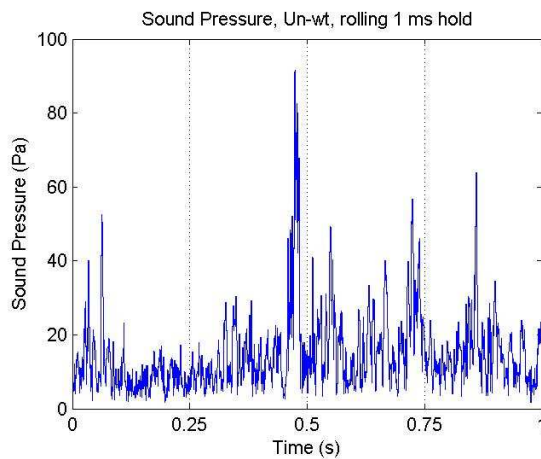
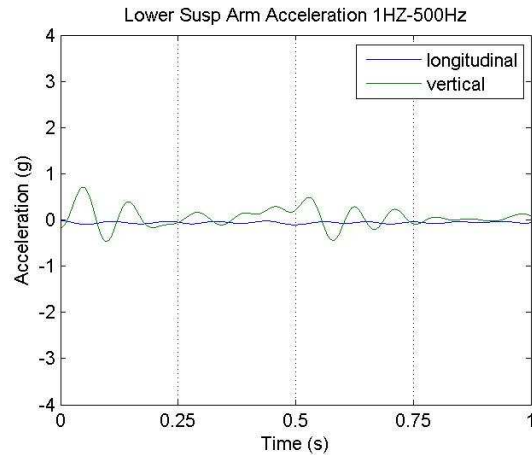
Time: 09:05:27

Marker No: 6

Latitude: -37.674240

Longitude: 176.168333

Speed (km/h): 82.2



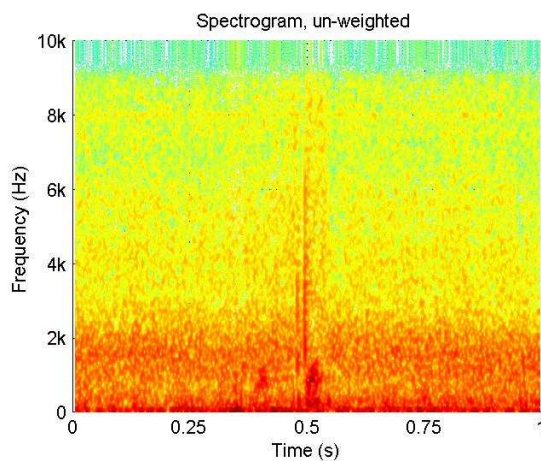
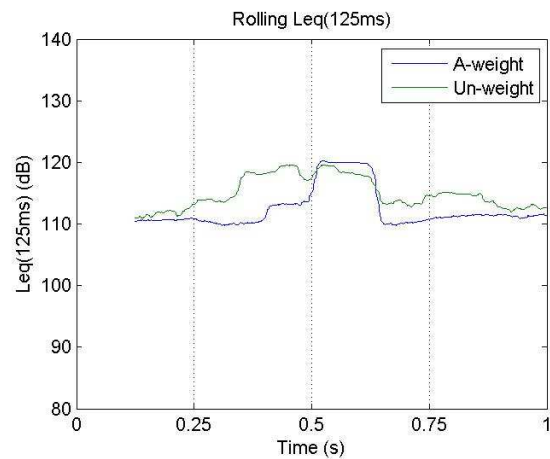
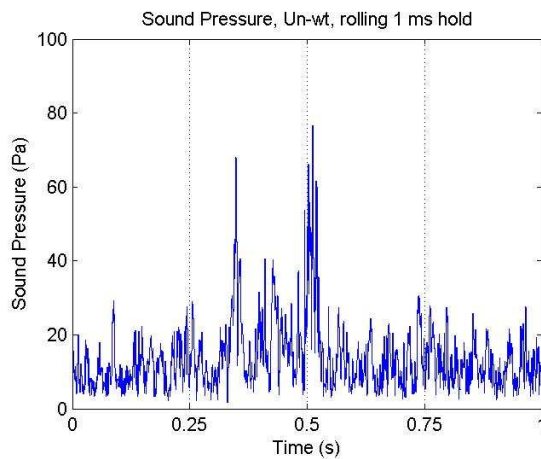
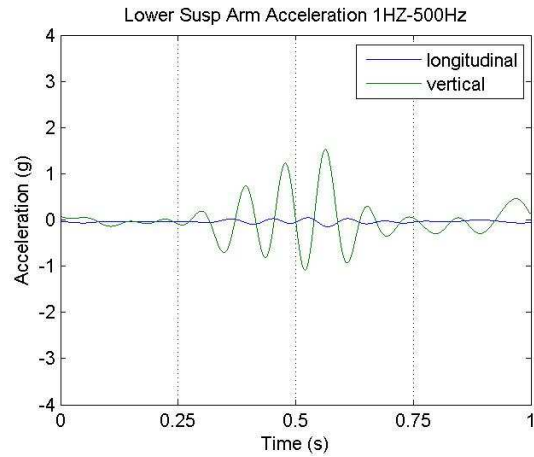
Acceleration – Maximum vertical (g): 0.71
Acceleration – Maximum longitudinal (g): 0.10
Displacement – Maximum vertical (mm): 7.21
Displacement – Maximum longitudinal (mm): 1.05
Noise Peak Sound Pressure (Pa): 91.52
Average sound level, Leq(1s) (dB): 116.49
Average sound level, LAeq(1s) (dB): 115.28
Maximum sound level, Leq(125ms) (dB): 119.96
Maximum sound level, LAeq(125ms) (dBA): 122.31

Bridge Structure Number: BSN1558
 Name: HARBOUR BRIDGE (EASTBOUND)
 Route Position: 2 151 4.73
 Direction: Increasing
 Joint Type: Modular expansion joint
 Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
 Date: 16-05-13
 Time: 09:05:27
 Marker No: 7

Latitude: -37.674872
 Longitude: 176.173168
 Speed (km/h): 85.6



Acceleration – Maximum vertical (g): 1.53
 Acceleration – Maximum longitudinal (g): 0.15
 Displacement – Maximum vertical (mm): 15.48
 Displacement – Maximum longitudinal (mm): 1.49
 Noise Peak Sound Pressure (Pa): 76.62
 Average sound level, Leq(1s) (dB): 115.49
 Average sound level, LAeq(1s) (dB): 113.80
 Maximum sound level, Leq(125ms) (dB): 119.58
 Maximum sound level, LAeq(125ms) (dBA): 120.24