

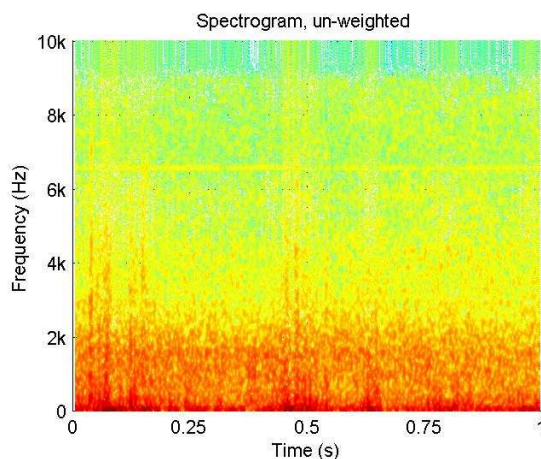
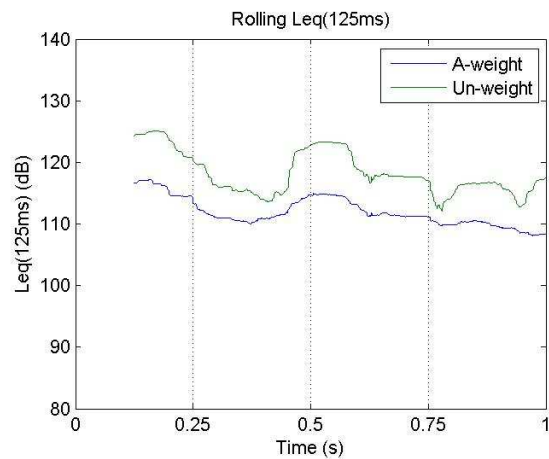
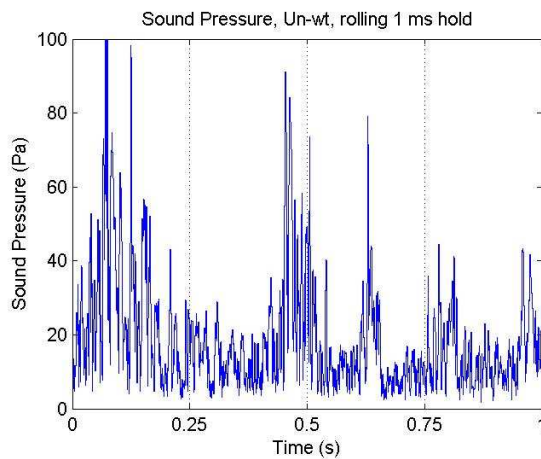
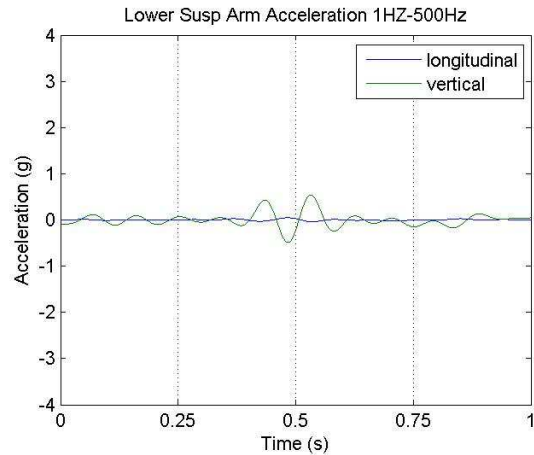
Bridge Structure Number: BSN10223

Name: LINDALE OVERBRIDGE
Route Position: 1N 1012 10.25
Direction: Decreasing
Joint Type: Bitumen filled gap
Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
Date: 27-05-13
Time: 13:04:56
Marker No: 1

Latitude: -40.911287
Longitude: 175.016412
Speed (km/h): 65.0



Acceleration – Maximum vertical (g): 0.54
Acceleration – Maximum longitudinal (g): 0.05
Displacement – Maximum vertical (mm): 5.50
Displacement – Maximum longitudinal (mm): 0.49
Noise Peak Sound Pressure (Pa): 122.62
Average sound level, Leq(1s) (dB): 120.01
Average sound level, LAeq(1s) (dB): 112.78
Maximum sound level, Leq(125ms) (dB): 125.14
Maximum sound level, LAeq(125ms) (dBA): 117.22

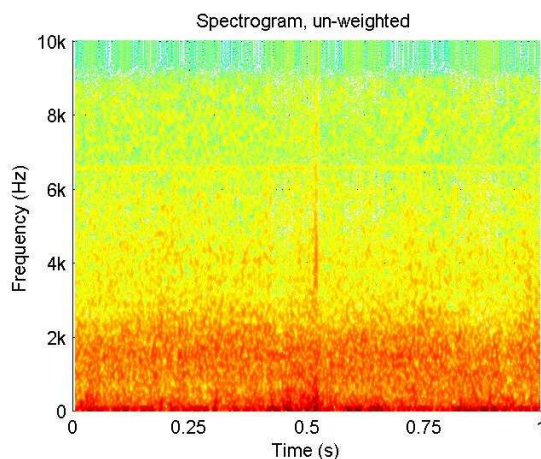
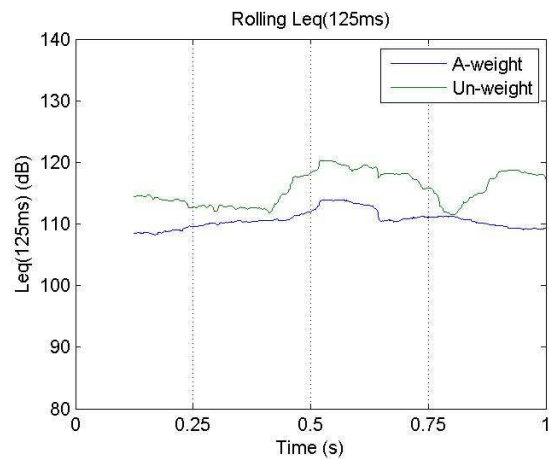
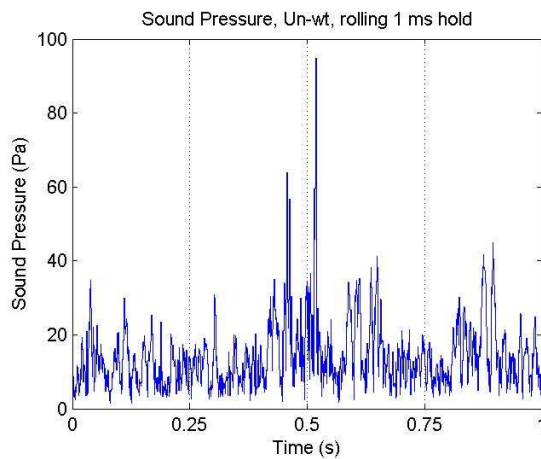
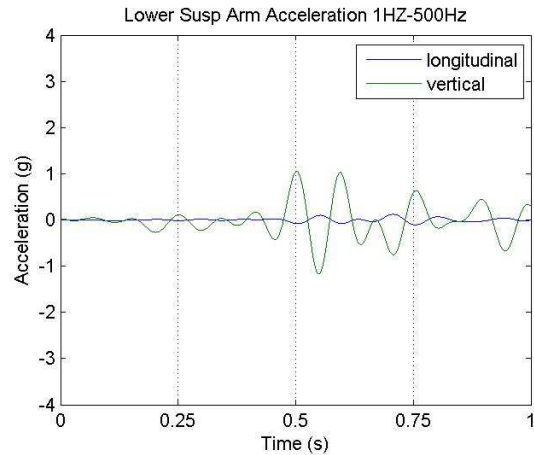
Bridge Structure Number: BSN10223

Name: LINDALE OVERBRIDGE
Route Position: 1N 1012 10.25
Direction: Decreasing
Joint Type: Bitumen filled gap
Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch
Date: 27-05-13
Time: 13:04:56
Marker No: 2

Latitude: -40.911113
Longitude: 175.016555
Speed (km/h): 73.2



Acceleration – Maximum vertical (g): 1.17
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 11.82
Displacement – Maximum longitudinal (mm): 1.24
Noise Peak Sound Pressure (Pa): 94.89
Average sound level, Leq(1s) (dB): 116.38
Average sound level, LAeq(1s) (dB): 110.71
Maximum sound level, Leq(125ms) (dB): 120.31
Maximum sound level, LAeq(125ms) (dBA): 113.90

Bridge Structure Number: BSN10223

Name: LINDALE OVERBRIDGE

Route Position: 1N 1012 10.25

Direction: Increasing

Joint Type: Bitumen filled gap

Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch

Date: 27-05-13

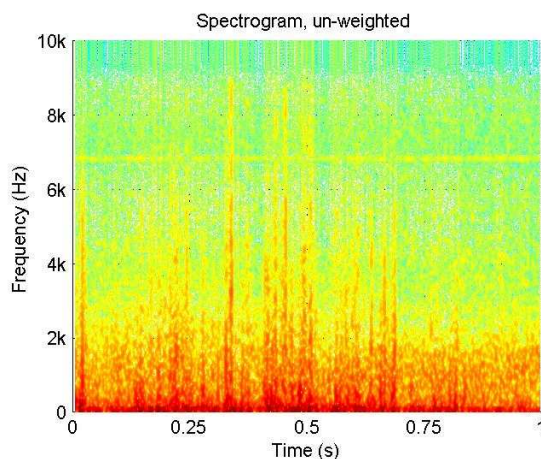
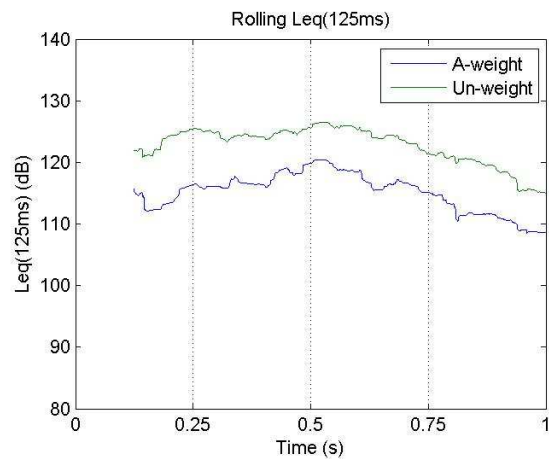
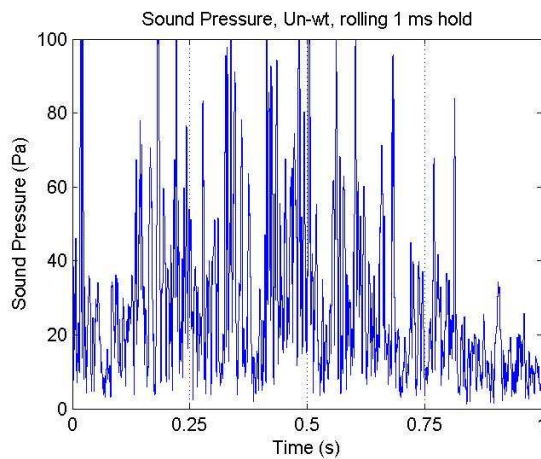
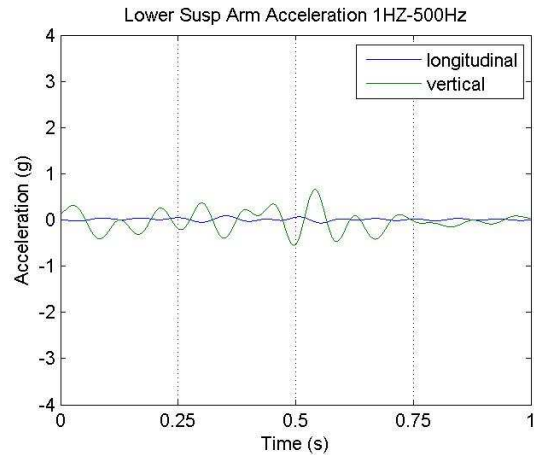
Time: 13:03:29

Marker No: 1

Latitude: -40.908645

Longitude: 175.018967

Speed (km/h): 82.2



Acceleration – Maximum vertical (g): 0.66
Acceleration – Maximum longitudinal (g): 0.09
Displacement – Maximum vertical (mm): 6.66
Displacement – Maximum longitudinal (mm): 0.90
Noise Peak Sound Pressure (Pa): 148.72
Average sound level, Leq(1s) (dB): 123.31
Average sound level, LAeq(1s) (dB): 116.03
Maximum sound level, Leq(125ms) (dB): 126.49
Maximum sound level, LAeq(125ms) (dBA): 120.41

Bridge Structure Number: BSN10223

Name: LINDALE OVERBRIDGE

Route Position: 1N 1012 10.25

Direction: Increasing

Joint Type: Bitumen filled gap

Road Surface Type: Asphalt

Test Details:

Operator: I.Kvatch

Date: 27-05-13

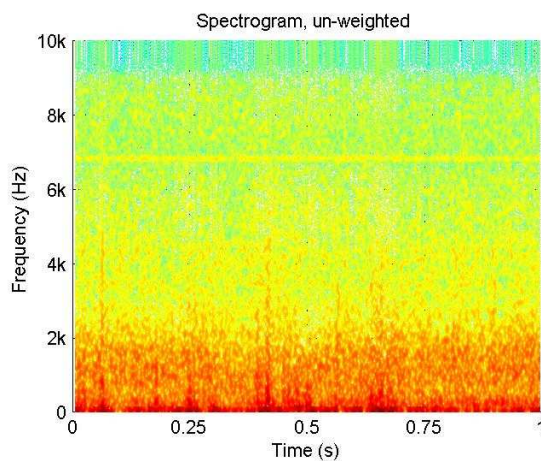
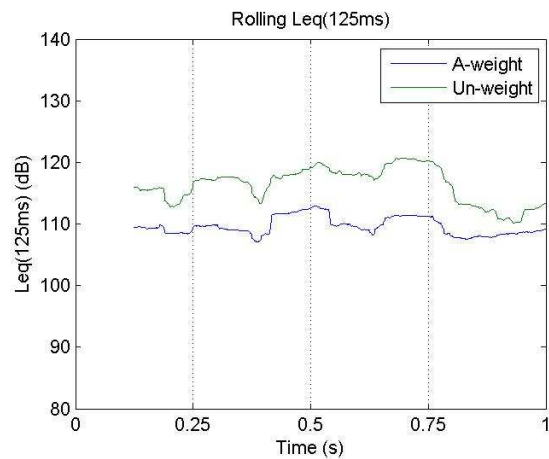
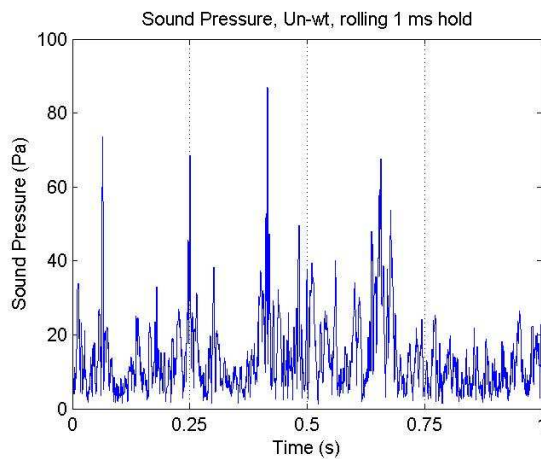
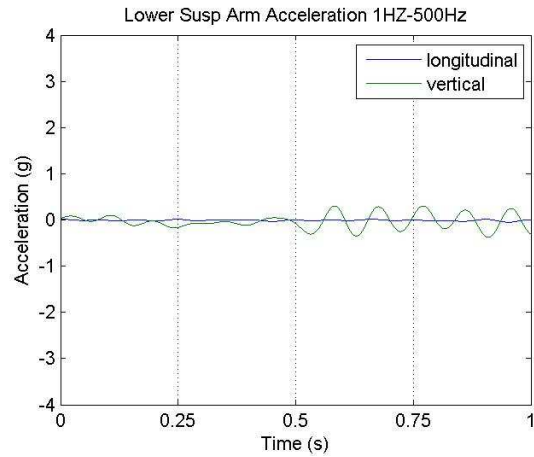
Time: 13:03:29

Marker No: 2

Latitude: -40.908802

Longitude: 175.018797

Speed (km/h): 81.7



Acceleration – Maximum vertical (g): 0.38
Acceleration – Maximum longitudinal (g): 0.05
Displacement – Maximum vertical (mm): 3.82
Displacement – Maximum longitudinal (mm): 0.51
Noise Peak Sound Pressure (Pa): 86.99
Average sound level, Leq(1s) (dB): 116.99
Average sound level, LAeq(1s) (dB): 109.84
Maximum sound level, Leq(125ms) (dB): 120.68
Maximum sound level, LAeq(125ms) (dBA): 112.87

Bridge Structure Number: BSN10503

Test Details:

Name: PAREMATA HARBOUR BRIDGE (SOUTHBOUND)

Operator: I.Kvatch

Latitude: -41.104078

Route Position: 1N 1035 15.27

Date: 27-05-13

Longitude: 174.869707

Direction: Increasing

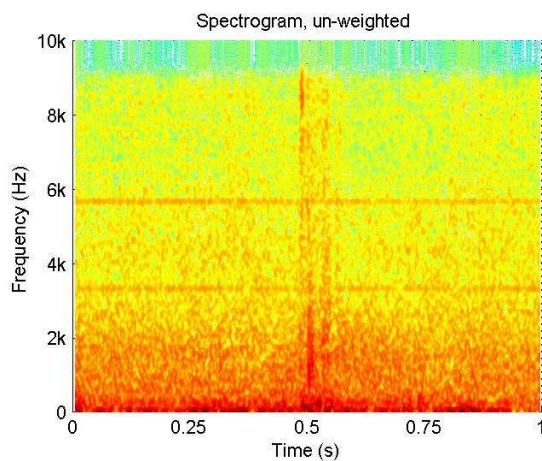
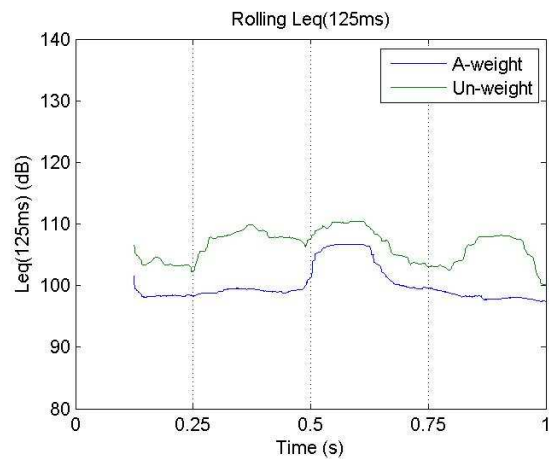
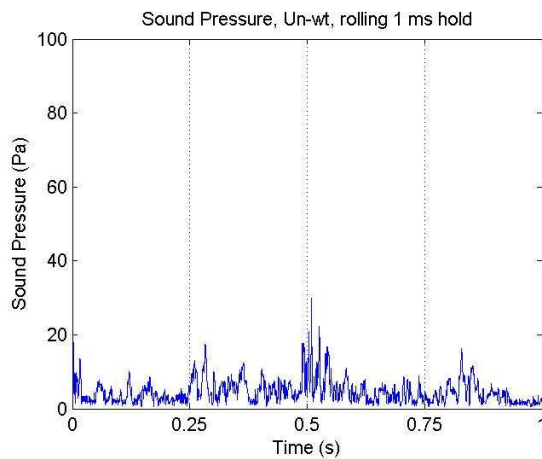
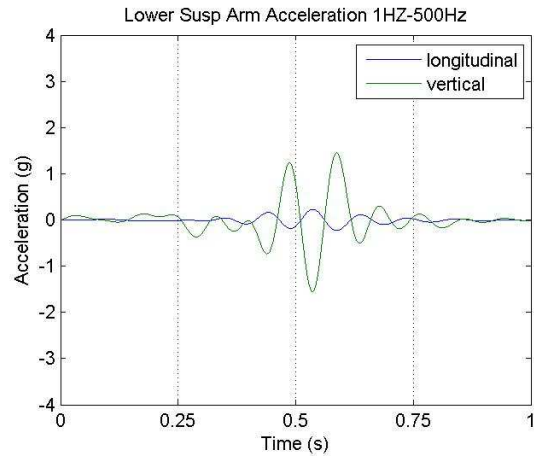
Time: 12:35:52

Speed (km/h): 51.1

Joint Type: Air gap

Marker No: 2

Road Surface Type: Concrete



Acceleration – Maximum vertical (g): 1.55
Acceleration – Maximum longitudinal (g): 0.23
Displacement – Maximum vertical (mm): 15.67
Displacement – Maximum longitudinal (mm): 2.33
Noise Peak Sound Pressure (Pa): 29.88
Average sound level, Leq(1s) (dB): 106.98
Average sound level, LAeq(1s) (dB): 101.26
Maximum sound level, Leq(125ms) (dB): 110.43
Maximum sound level, LAeq(125ms) (dBA): 106.74

Bridge Structure Number: BSN10504

Test Details:

Name: PAREMATA HARBOUR BRIDGE (NORTHBOUND)

Operator: I.Kvatch

Latitude: -41.104237

Route Position: 1N 1035 15.27

Date: 27-05-13

Longitude: 174.869468

Direction: Decreasing

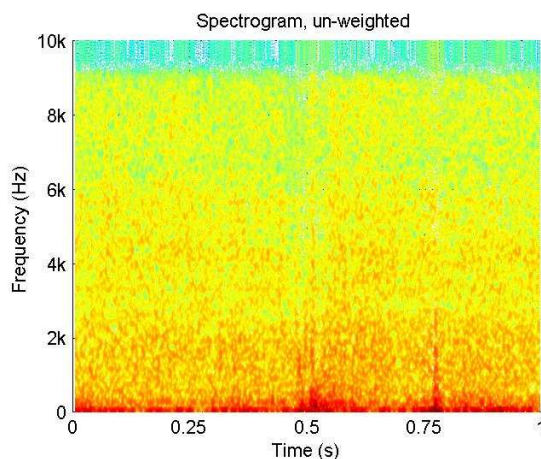
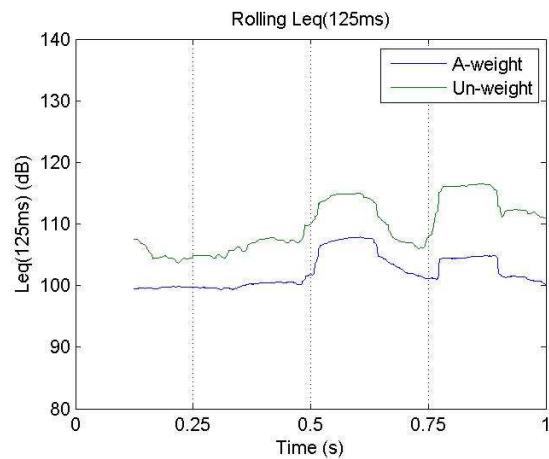
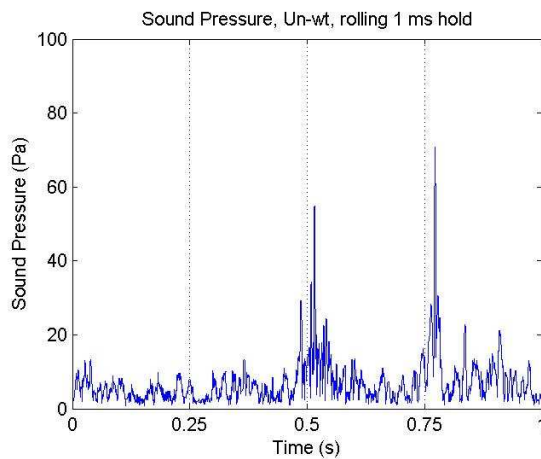
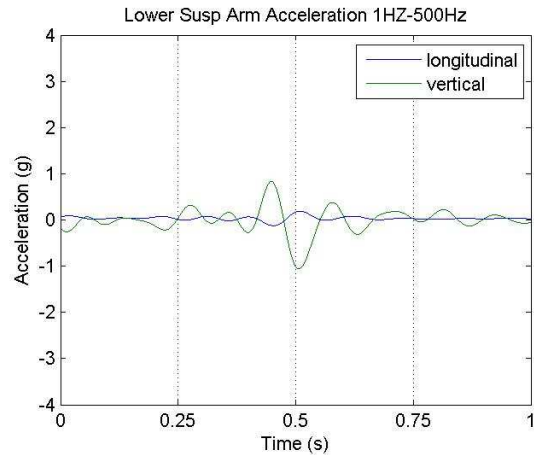
Time: 12:32:52

Speed (km/h): 53.1

Joint Type: Rubber seals + vert. steel plates

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.06
Acceleration – Maximum longitudinal (g): 0.19
Displacement – Maximum vertical (mm): 10.71
Displacement – Maximum longitudinal (mm): 1.94
Noise Peak Sound Pressure (Pa): 70.78
Average sound level, Leq(1s) (dB): 111.44
Average sound level, LAeq(1s) (dB): 102.90
Maximum sound level, Leq(125ms) (dB): 116.58
Maximum sound level, LAeq(125ms) (dBA): 107.87

Bridge Structure Number: BSN10504

Test Details:

Name: PAREMATA HARBOUR BRIDGE (NORTHBOUND)

Operator: I.Kvatch

Latitude: -41.102968

Route Position: 1N 1035 15.27

Date: 27-05-13

Longitude: 174.869832

Direction: Decreasing

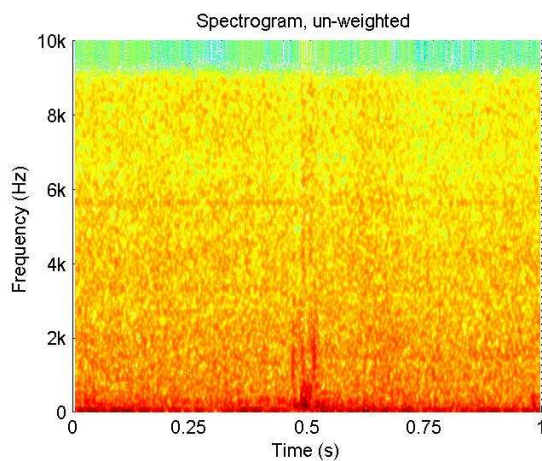
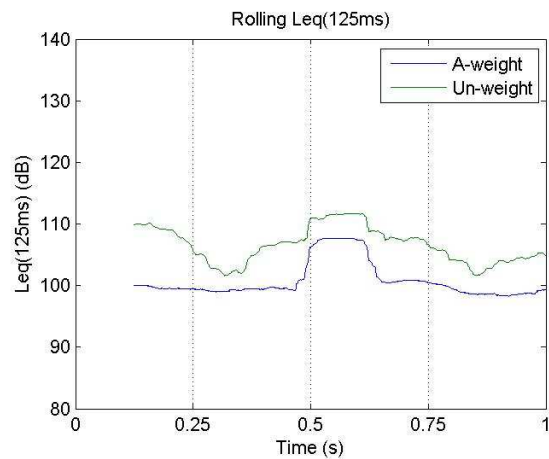
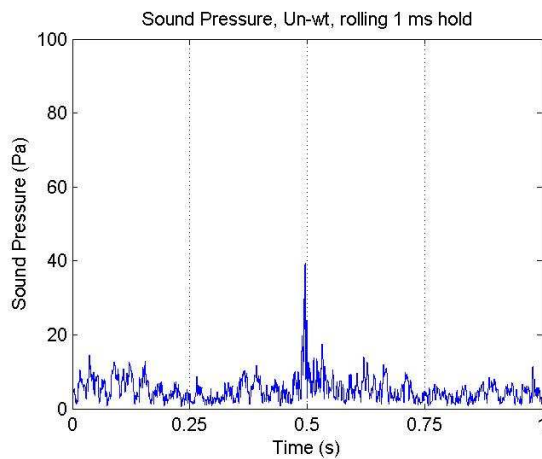
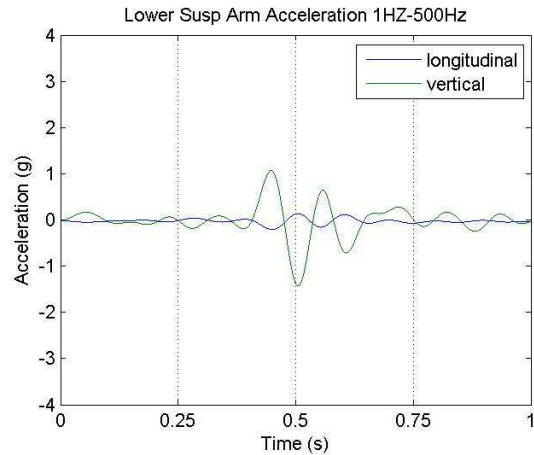
Time: 12:32:52

Speed (km/h): 52.2

Joint Type: Rubber seals + vert. steel plates

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.42
Acceleration – Maximum longitudinal (g): 0.21
Displacement – Maximum vertical (mm): 14.43
Displacement – Maximum longitudinal (mm): 2.10
Noise Peak Sound Pressure (Pa): 39.36
Average sound level, Leq(1s) (dB): 107.57
Average sound level, LAeq(1s) (dB): 101.84
Maximum sound level, Leq(125ms) (dB): 111.72
Maximum sound level, LAeq(125ms) (dBA): 107.69

Bridge Structure Number: BSN10679

Test Details:

Name: NGAURANGA OVERBRIDGE – SOUTHBOUND Operator: I.Kvatch

Latitude: -41.246160

Route Position: 1N 1060 7.88

Date: 27-05-13

Longitude: 174.814975

Direction: Increasing

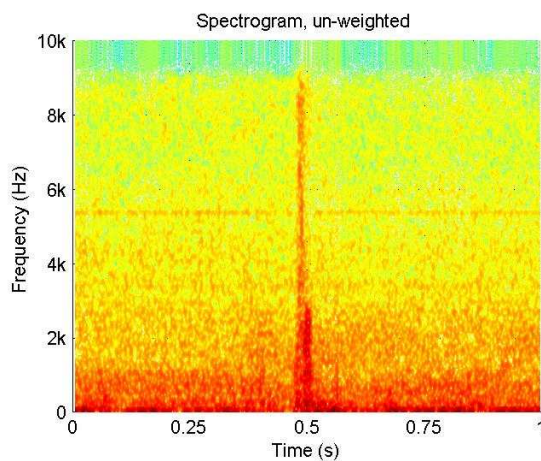
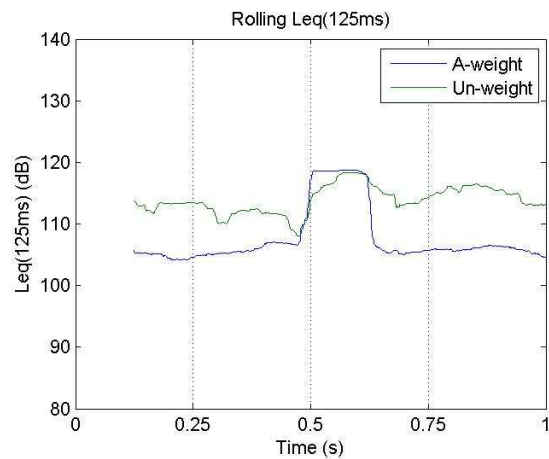
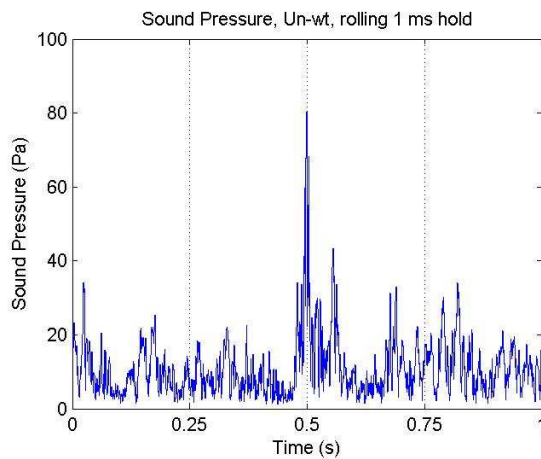
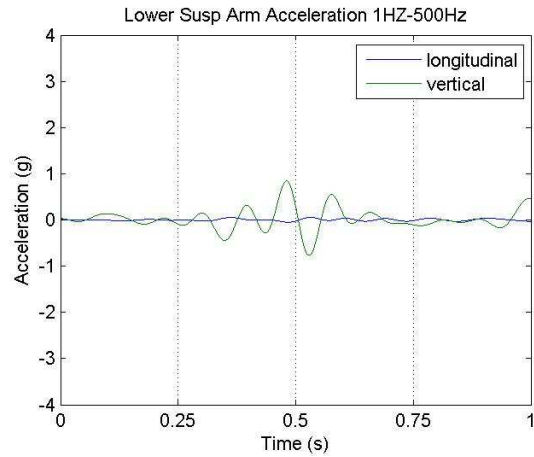
Time: 12:03:05

Speed (km/h): 81.9

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 0.84
Acceleration – Maximum longitudinal (g): 0.06
Displacement – Maximum vertical (mm): 8.57
Displacement – Maximum longitudinal (mm): 0.56
Noise Peak Sound Pressure (Pa): 80.32
Average sound level, Leq(1s) (dB): 114.49
Average sound level, LAeq(1s) (dB): 110.94
Maximum sound level, Leq(125ms) (dB): 118.37
Maximum sound level, LAeq(125ms) (dBA): 118.69

Bridge Structure Number: BSN10679

Test Details:

Name: NGAURANGA OVERBRIDGE – SOUTHBOUND Operator: I.Kvatch

Latitude: -41.248010

Route Position: 1N 1060 7.88

Date: 27-05-13

Longitude: 174.813938

Direction: Increasing

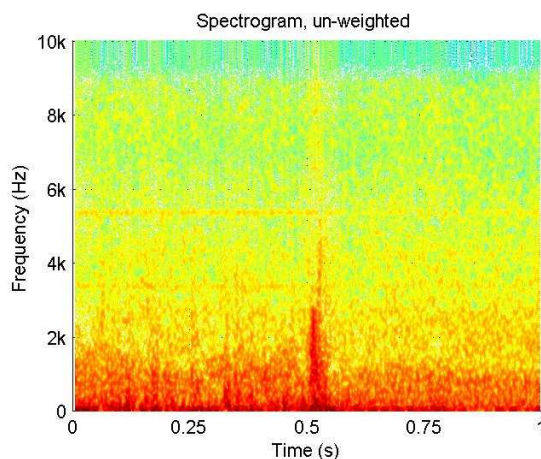
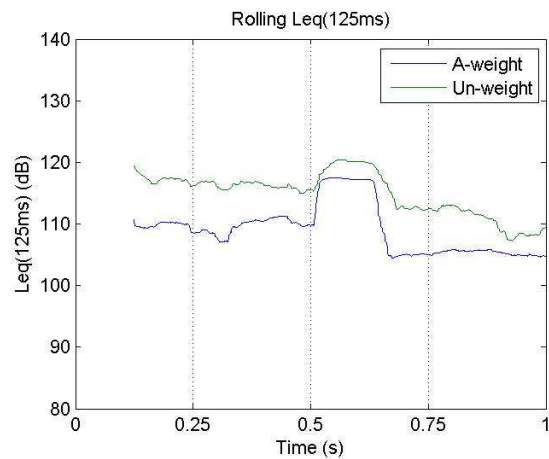
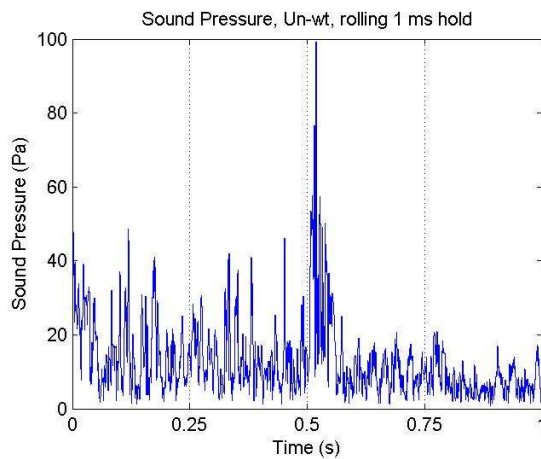
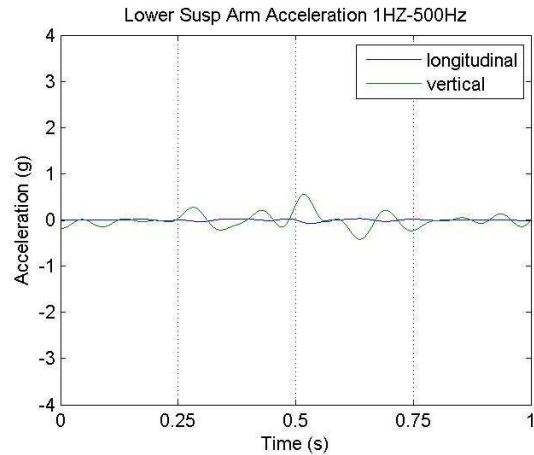
Time: 12:03:05

Speed (km/h): 81.5

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 0.55
Acceleration – Maximum longitudinal (g): 0.08
Displacement – Maximum vertical (mm): 5.59
Displacement – Maximum longitudinal (mm): 0.79
Noise Peak Sound Pressure (Pa): 99.18
Average sound level, Leq(1s) (dB): 116.38
Average sound level, LAeq(1s) (dB): 111.03
Maximum sound level, Leq(125ms) (dB): 120.44
Maximum sound level, LAeq(125ms) (dBA): 117.47

Bridge Structure Number: BSN10680

Test Details:

Name: NGAURANGA OVERBRIDGE – NORTHBOUND Operator: I.Kvatch

Latitude: -41.247973

Route Position: 1N 1060 7.88

Date: 27-05-13

Longitude: 174.813020

Direction: Decreasing

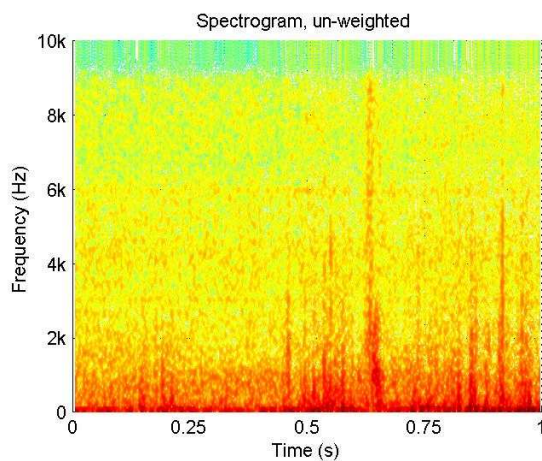
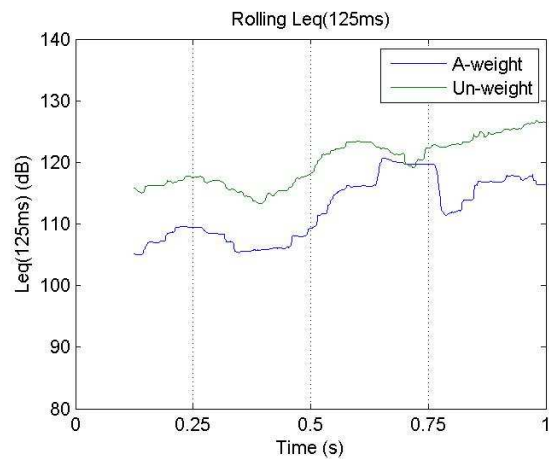
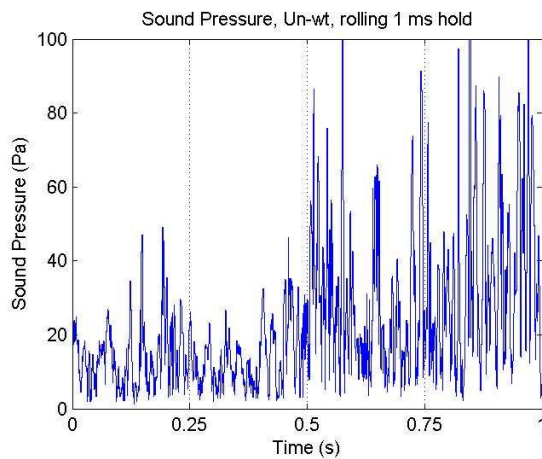
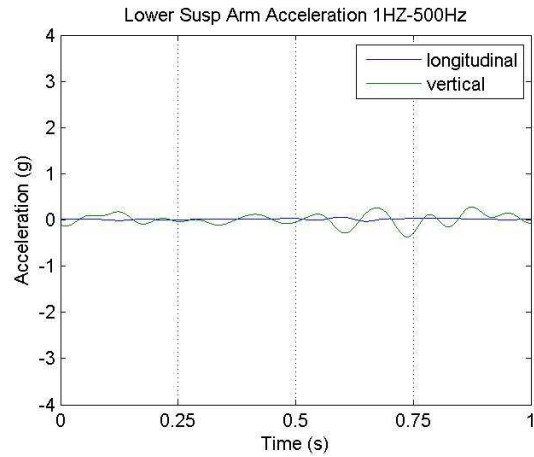
Time: 11:42:48

Speed (km/h): 80.0

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 0.36
Acceleration – Maximum longitudinal (g): 0.06
Displacement – Maximum vertical (mm): 3.70
Displacement – Maximum longitudinal (mm): 0.65
Noise Peak Sound Pressure (Pa): 163.97
Average sound level, Leq(1s) (dB): 122.02
Average sound level, LAeq(1s) (dB): 114.94
Maximum sound level, Leq(125ms) (dB): 126.76
Maximum sound level, LAeq(125ms) (dBA): 120.72

Bridge Structure Number: BSN10680

Test Details:

Name: NGAURANGA OVERBRIDGE – NORTHBOUND Operator: I.Kvatch

Latitude: -41.246907

Route Position: 1N 1060 7.88

Date: 27-05-13

Longitude: 174.814205

Direction: Decreasing

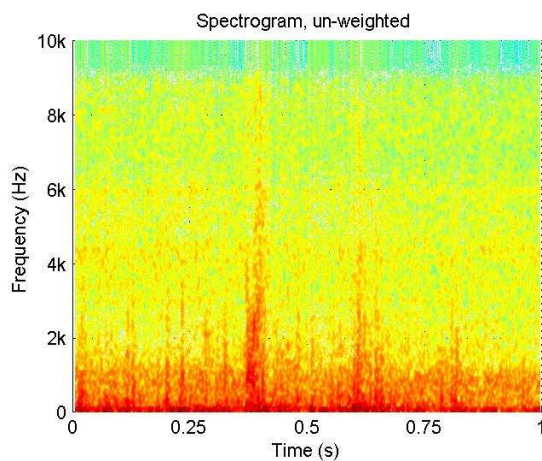
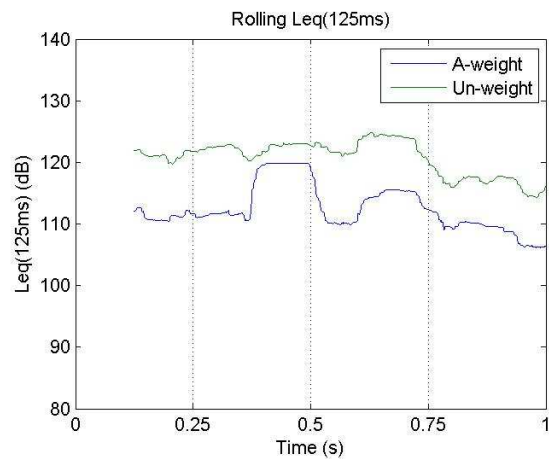
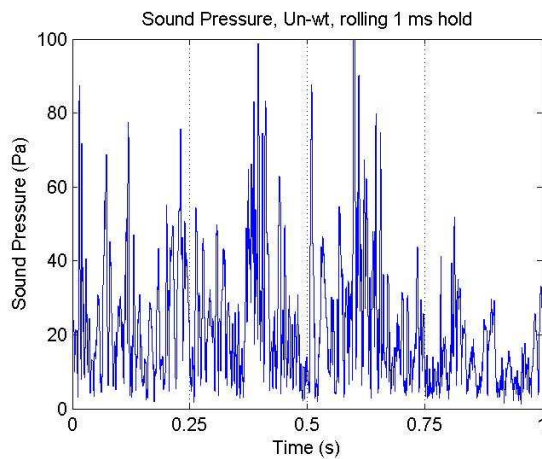
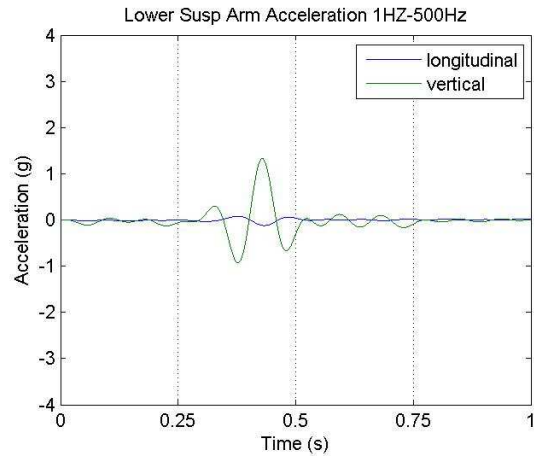
Time: 11:42:48

Speed (km/h): 79.8

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.34
Acceleration – Maximum longitudinal (g): 0.12
Displacement – Maximum vertical (mm): 13.55
Displacement – Maximum longitudinal (mm): 1.23
Noise Peak Sound Pressure (Pa): 154.53
Average sound level, Leq(1s) (dB): 121.33
Average sound level, LAeq(1s) (dB): 113.89
Maximum sound level, Leq(125ms) (dB): 124.86
Maximum sound level, LAeq(125ms) (dBA): 119.88

Bridge Structure Number: BSN10703

Test Details:

Name: THORNDON OVERBRIDGE – SOUTHBOUND

Operator: I.Kvatch

Latitude: -41.276617

Route Position: 1N 1068 2.24

Date: 27-05-13

Longitude: 174.773390

Direction: Increasing

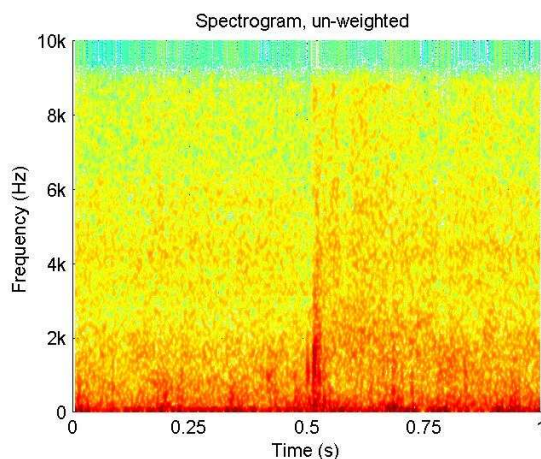
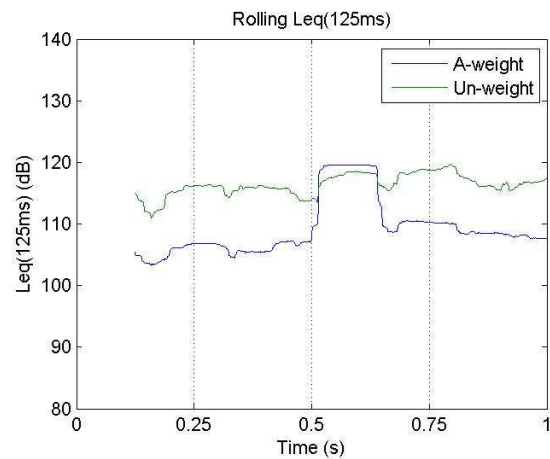
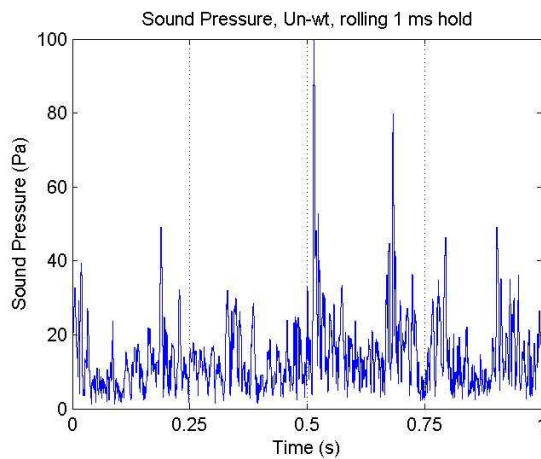
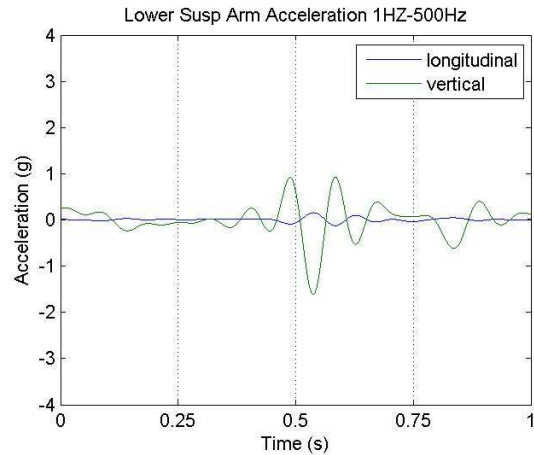
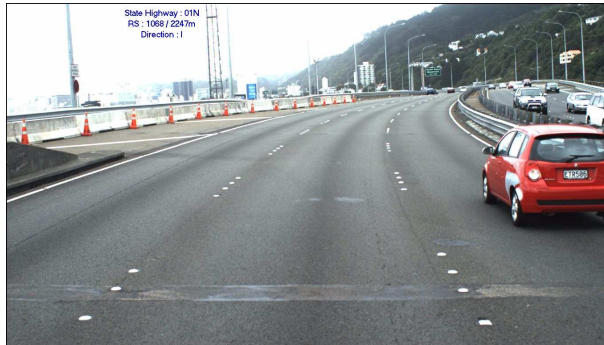
Time: 11:49:38

Speed (km/h): 86.1

Joint Type: Bitumen filled gap

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.62
Acceleration – Maximum longitudinal (g): 0.16
Displacement – Maximum vertical (mm): 16.38
Displacement – Maximum longitudinal (mm): 1.60
Noise Peak Sound Pressure (Pa): 107.39
Average sound level, Leq(1s) (dB): 116.70
Average sound level, LAeq(1s) (dB): 112.16
Maximum sound level, Leq(125ms) (dB): 119.73
Maximum sound level, LAeq(125ms) (dBA): 119.60

Bridge Structure Number: BSN10703

Test Details:

Name: THORNDON OVERBRIDGE – SOUTHBOUND

Operator: I.Kvatch

Latitude: -41.276617

Route Position: 1N 1068 2.24

Date: 27-05-13

Longitude: 174.773390

Direction: Increasing

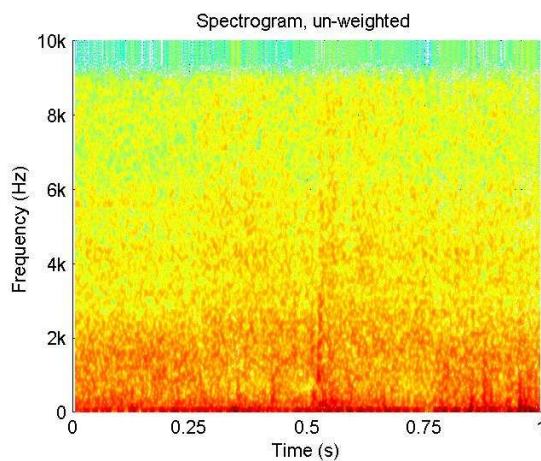
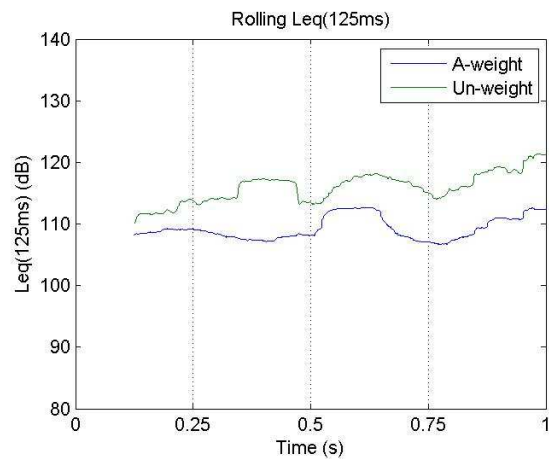
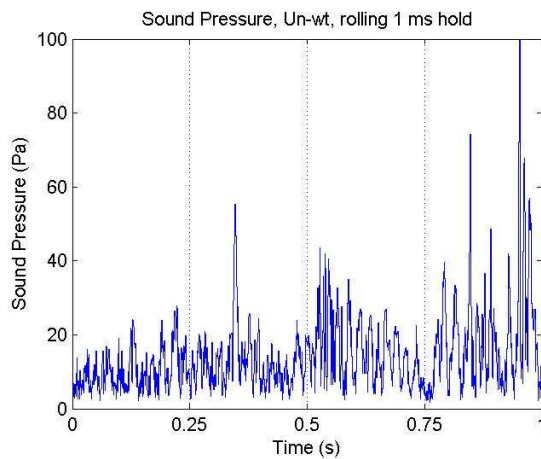
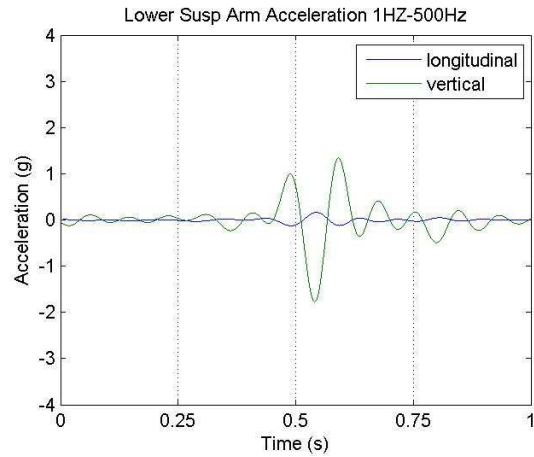
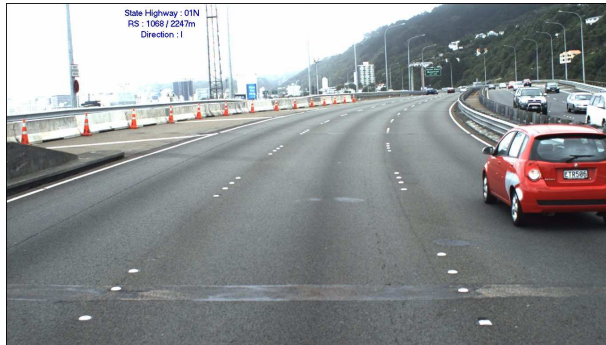
Time: 11:49:38

Speed (km/h): 86.1

Joint Type: Bitumen filled gap

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.77
Acceleration – Maximum longitudinal (g): 0.16
Displacement – Maximum vertical (mm): 17.94
Displacement – Maximum longitudinal (mm): 1.66
Noise Peak Sound Pressure (Pa): 123.08
Average sound level, Leq(1s) (dB): 117.03
Average sound level, LAeq(1s) (dB): 109.79
Maximum sound level, Leq(125ms) (dB): 121.39
Maximum sound level, LAeq(125ms) (dBA): 112.66

Bridge Structure Number: BSN10727

Test Details:

Name: BOWEN STREET OVERPASS (SOUTHBOUND) Operator: I.Kvatch

Latitude: -41.279087

Route Position: 1N 1068 4.66

Date: 27-05-13

Longitude: 174.773460

Direction: Increasing

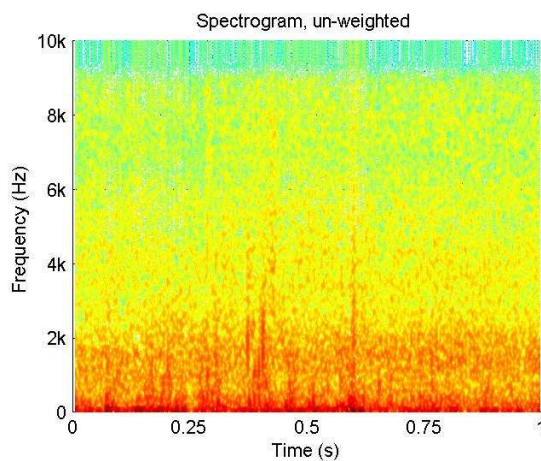
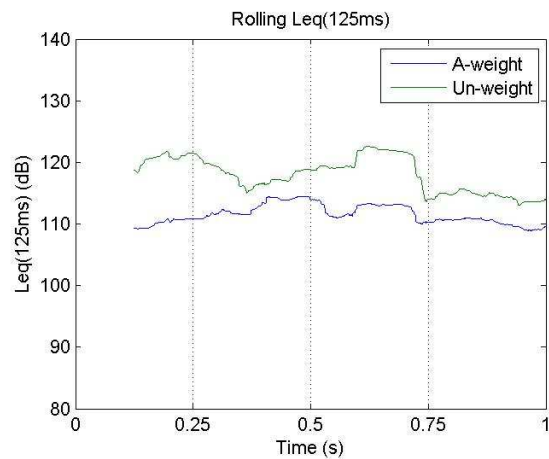
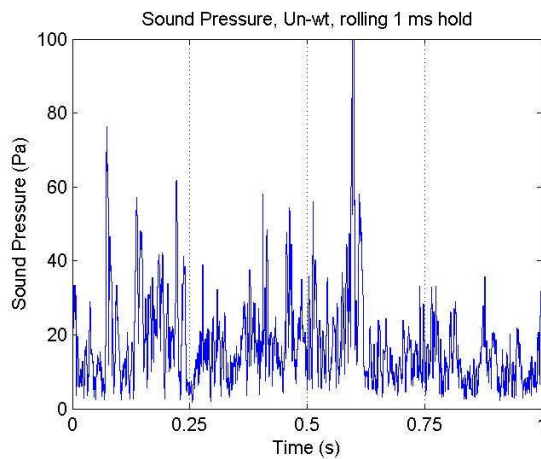
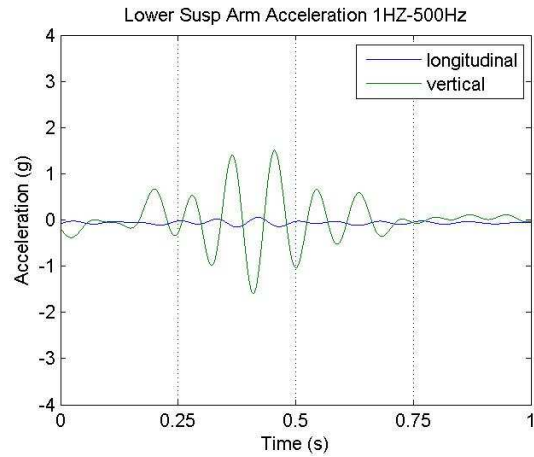
Time: 12:06:34

Speed (km/h): 82.2

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.59
Acceleration – Maximum longitudinal (g): 0.15
Displacement – Maximum vertical (mm): 16.13
Displacement – Maximum longitudinal (mm): 1.56
Noise Peak Sound Pressure (Pa): 125.24
Average sound level, Leq(1s) (dB): 118.64
Average sound level, LAeq(1s) (dB): 111.58
Maximum sound level, Leq(125ms) (dB): 122.58
Maximum sound level, LAeq(125ms) (dBA): 114.47

Bridge Structure Number: BSN10728

Test Details:

Name: BOWEN STREET OVERPASS (NORTHBOUND)

Operator: I.Kvatch

Latitude: -41.278163

Route Position: 1N 1068 4.66

Date: 27-05-13

Longitude: 174.773197

Direction: Decreasing

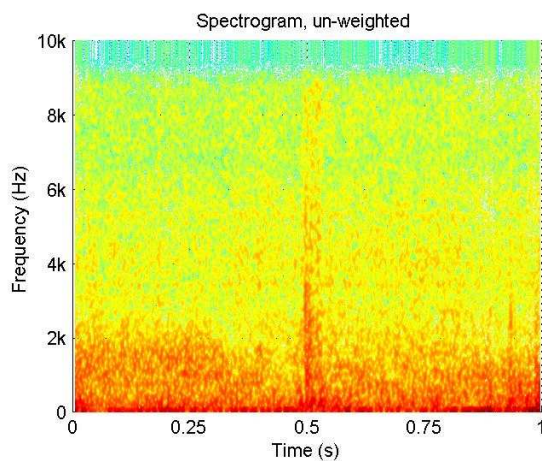
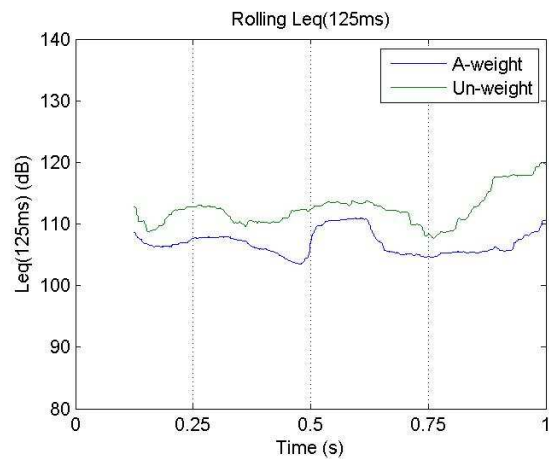
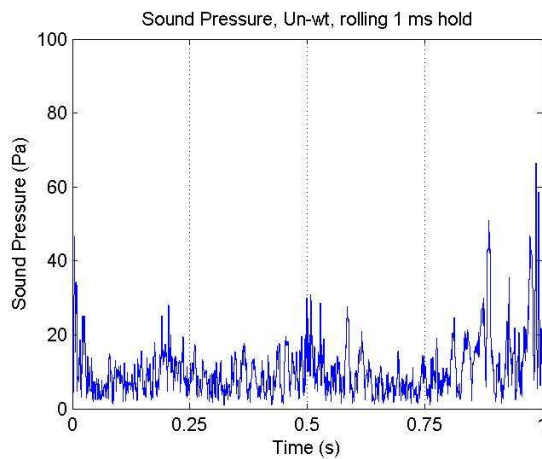
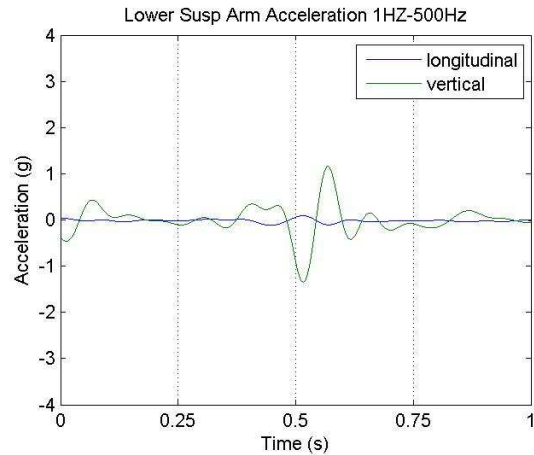
Time: 12:12:28

Speed (km/h): 79.5

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 1

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.34
Acceleration – Maximum longitudinal (g): 0.11
Displacement – Maximum vertical (mm): 13.62
Displacement – Maximum longitudinal (mm): 1.16
Noise Peak Sound Pressure (Pa): 66.34
Average sound level, Leq(1s) (dB): 114.41
Average sound level, LAeq(1s) (dB): 107.98
Maximum sound level, Leq(125ms) (dB): 119.98
Maximum sound level, LAeq(125ms) (dBA): 110.91

Bridge Structure Number: BSN10728

Test Details:

Name: BOWEN STREET OVERPASS (NORTHBOUND)

Operator: I.Kvatch

Latitude: -41.277355

Route Position: 1N 1068 4.66

Date: 27-05-13

Longitude: 174.773130

Direction: Decreasing

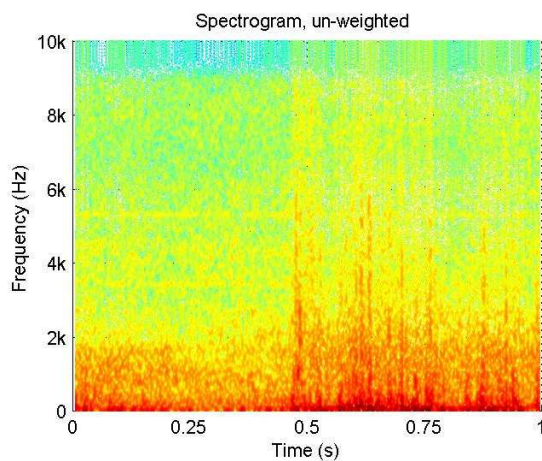
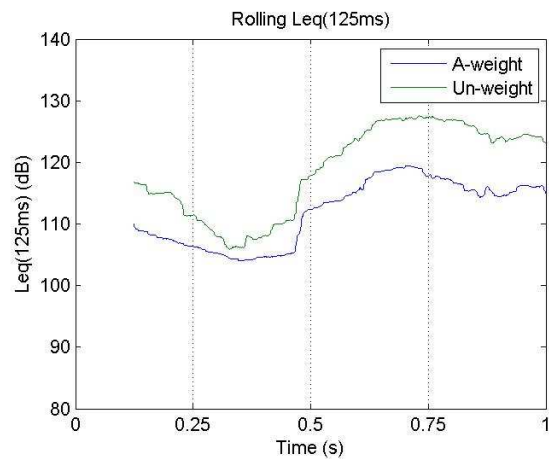
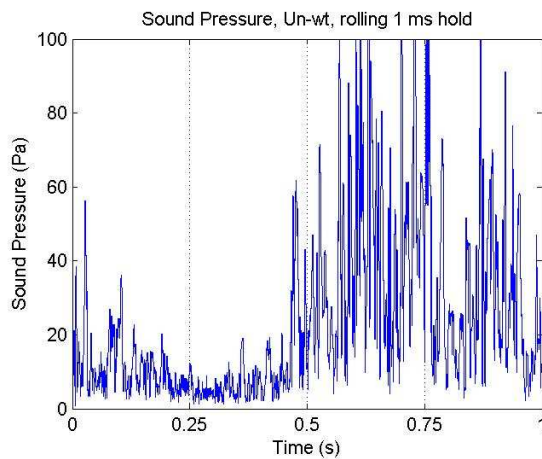
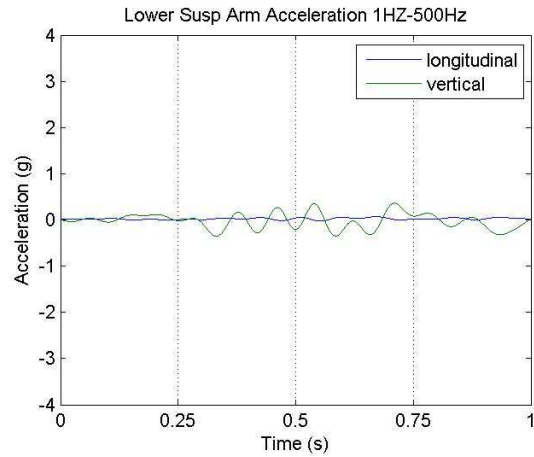
Time: 12:12:28

Speed (km/h): 81.9

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 0.36
Acceleration – Maximum longitudinal (g): 0.07
Displacement – Maximum vertical (mm): 3.67
Displacement – Maximum longitudinal (mm): 0.73
Noise Peak Sound Pressure (Pa): 152.05
Average sound level, Leq(1s) (dB): 122.74
Average sound level, LAeq(1s) (dB): 114.40
Maximum sound level, Leq(125ms) (dB): 127.57
Maximum sound level, LAeq(125ms) (dBA): 119.46

Bridge Structure Number: BSN10731

Test Details:

Name: SHELL GULLY OVERBRIDGE (NORTHBOUND)

Operator: I.Kvatch

Latitude: -41.284628

Route Position: 1N 1068 5.11

Date: 27-05-13

Longitude: 174.772735

Direction: Decreasing

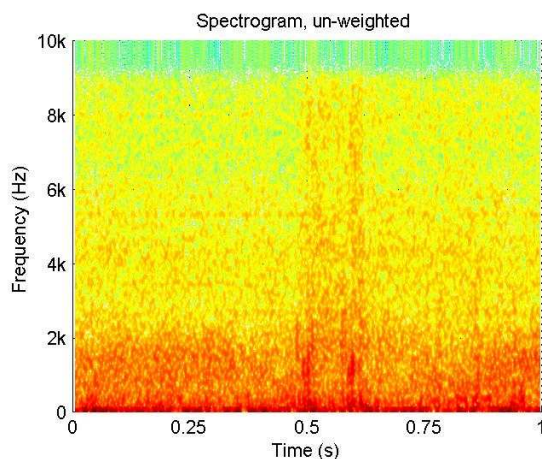
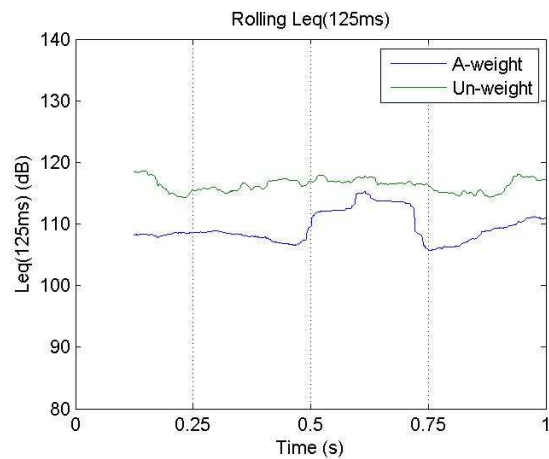
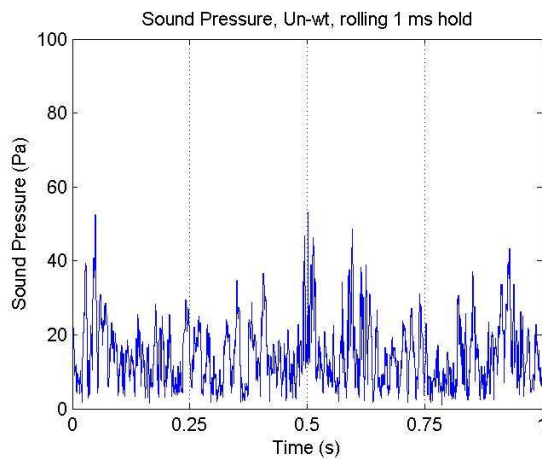
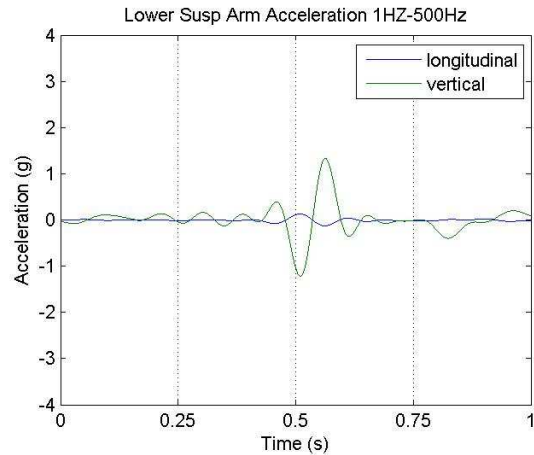
Time: 12:11:32

Speed (km/h): 86.7

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.34
Acceleration – Maximum longitudinal (g): 0.13
Displacement – Maximum vertical (mm): 13.54
Displacement – Maximum longitudinal (mm): 1.32
Noise Peak Sound Pressure (Pa): 53.16
Average sound level, Leq(1s) (dB): 116.67
Average sound level, LAeq(1s) (dB): 110.20
Maximum sound level, Leq(125ms) (dB): 118.65
Maximum sound level, LAeq(125ms) (dBA): 115.21

Bridge Structure Number: BSN10732

Test Details:

Name: SHELL GULLY OVERBRIDGE (SOUTHBOUND)

Operator: I.Kvatch

Latitude: -41.280922

Route Position: 1N 1068 5.11

Date: 27-05-13

Longitude: 174.773628

Direction: Increasing

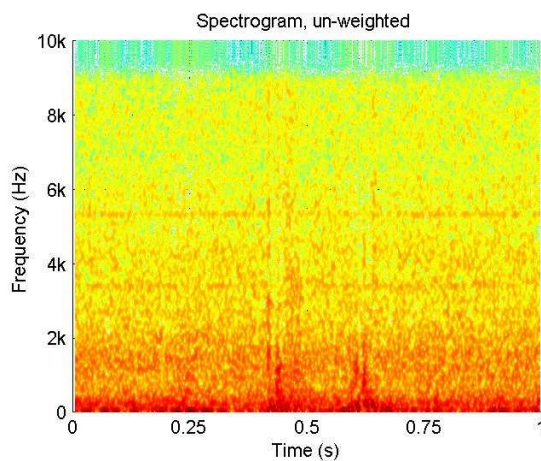
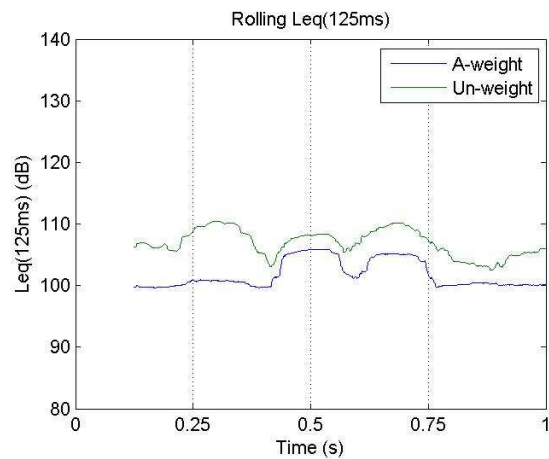
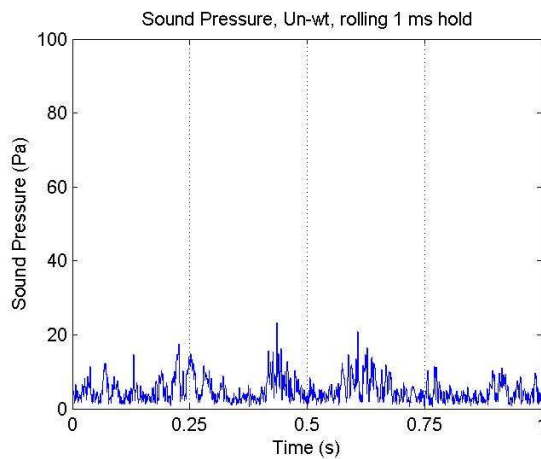
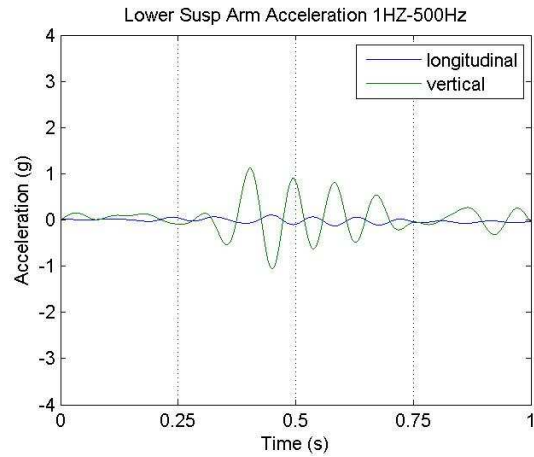
Time: 12:06:34

Speed (km/h): 80.6

Joint Type: Rubber extrusion + embedded steel plate

Marker No: 2

Road Surface Type: Asphalt



Acceleration – Maximum vertical (g): 1.12
Acceleration – Maximum longitudinal (g): 0.13
Displacement – Maximum vertical (mm): 11.36
Displacement – Maximum longitudinal (mm): 1.31
Noise Peak Sound Pressure (Pa): 23.27
Average sound level, Leq(1s) (dB): 107.25
Average sound level, LAeq(1s) (dB): 102.18
Maximum sound level, Leq(125ms) (dB): 110.42
Maximum sound level, LAeq(125ms) (dBA): 105.81