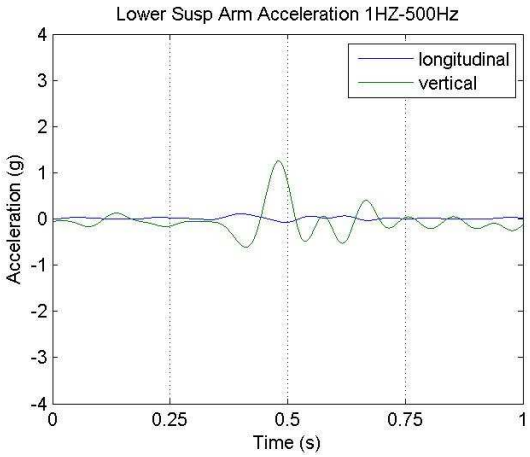
Bridge Structure Number: BSN4168

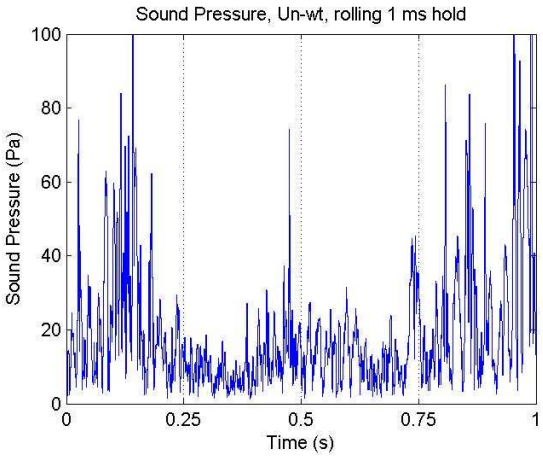
Name: TRISTRAM AVE OVERPASS (SOUTHBOUND)
Route Position: 1N 414 2.81
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

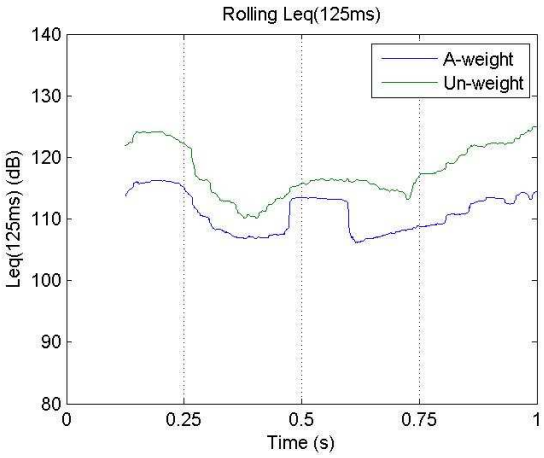
Test Details:

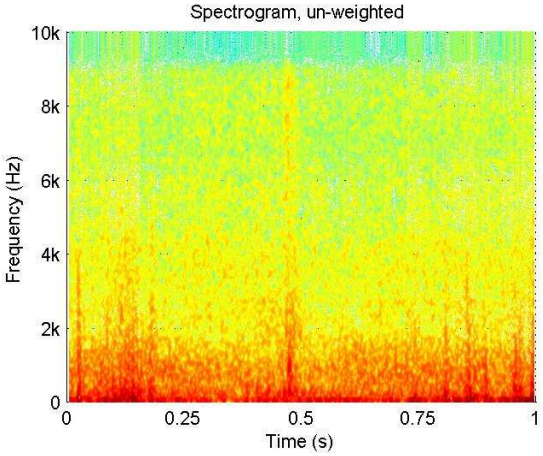
Operator: I.Kvatch
Date: 15−05−13
Time: 12:10:43
Marker No: 1

Latitude: −36.768962
Longitude: 174.741412
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 1.26
Acceleration − Maximum longitudinal (g): 0.11
Displacement − Maximum vertical (mm): 12.72
Displacement − Maximum longitudinal (mm): 1.11
Noise Peak Sound Pressure (Pa): 137.96
Average sound level, Leq(1s) (dB): 120.62
Average sound level, LAeq(1s) (dB): 112.47
Maximum sound level, Leq(125ms) (dB): 124.96
Maximum sound level, LAeq(125ms) (dBA): 116.29

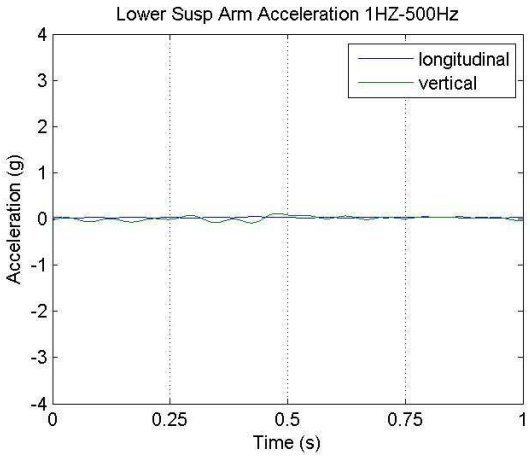
Bridge Structure Number: BSN4168

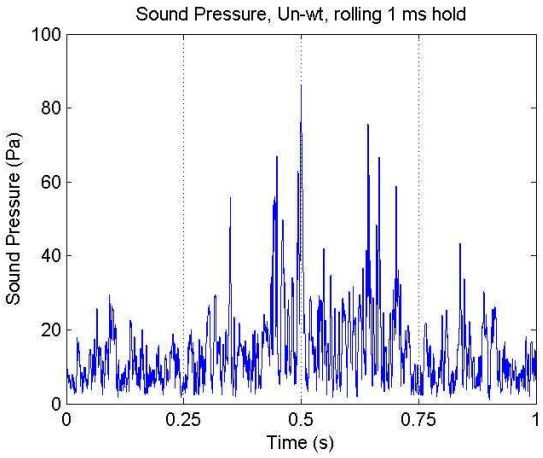
Name: TRISTRAM AVE OVERPASS (SOUTHBOUND)
Route Position: 1N 414 2.81
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

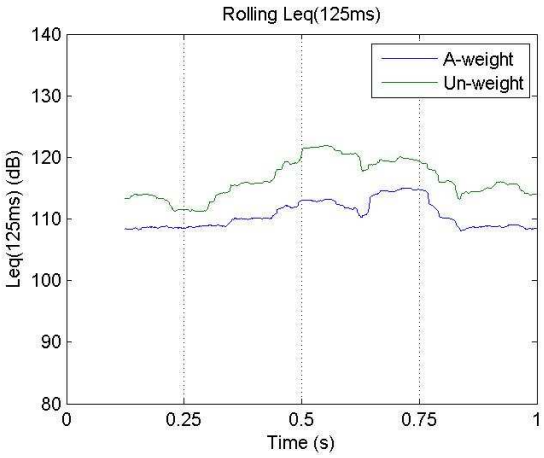
Test Details:

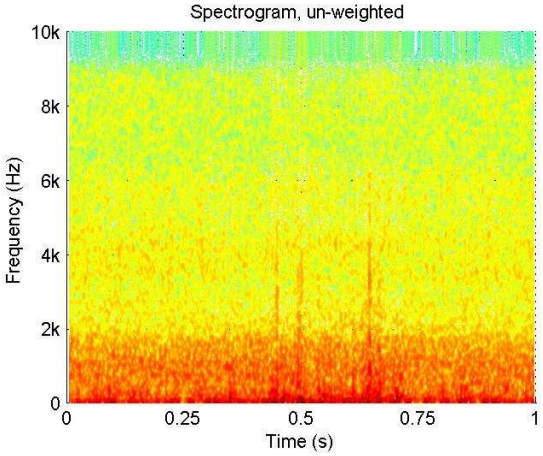
Operator: I.Kvatch
Date: 15−05−13
Time: 12:17:12
Marker No: 1

Latitude: −36.772202
Longitude: 174.742810
Speed (km/h): 81.7









Acceleration − Maximum vertical (g): 0.12
Acceleration − Maximum longitudinal (g): 0.05
Displacement − Maximum vertical (mm): 1.21
Displacement − Maximum longitudinal (mm): 0.52
Noise Peak Sound Pressure (Pa): 86.25
Average sound level, Leq(1s) (dB): 117.11
Average sound level, LAeq(1s) (dB): 110.94
Maximum sound level, Leq(125ms) (dB): 121.90
Maximum sound level, LAeq(125ms) (dBA): 114.96

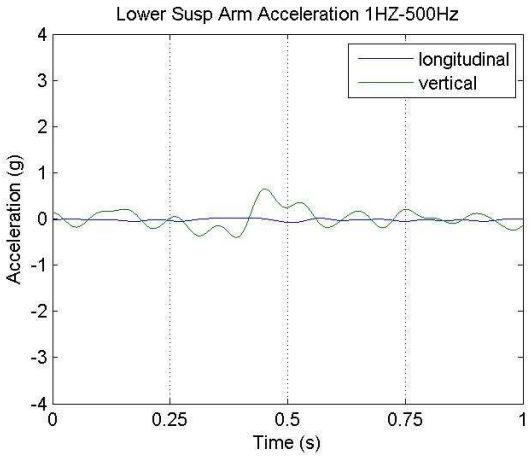
Bridge Structure Number: BSN4168

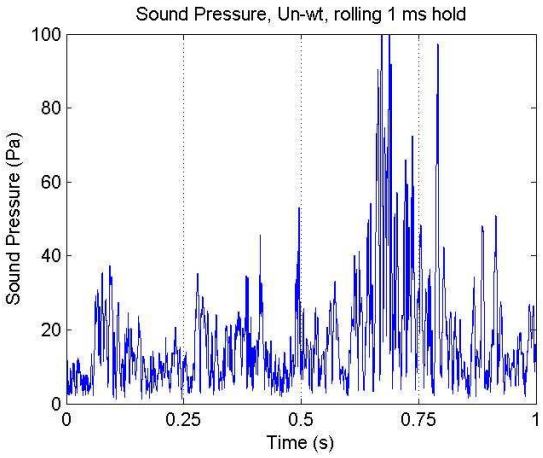
Name: TRISTRAM AVE OVERPASS (SOUTHBOUND)
Route Position: 1N 414 2.81
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

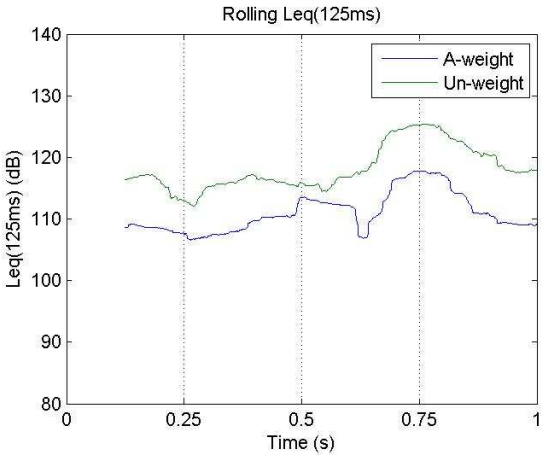
Test Details:

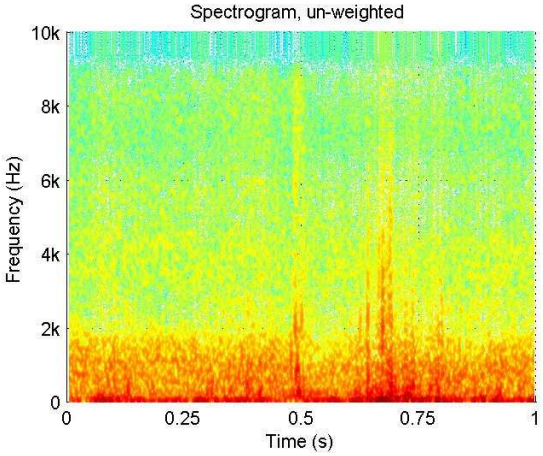
Operator: I.Kvatch
Date: 15−05−13
Time: 12:24:49
Marker No: 1

Latitude: −36.769870
Longitude: 174.741818
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.65
Acceleration − Maximum longitudinal (g): 0.08
Displacement − Maximum vertical (mm): 6.61
Displacement − Maximum longitudinal (mm): 0.81
Noise Peak Sound Pressure (Pa): 115.02
Average sound level, Leq(1s) (dB): 119.52
Average sound level, LAeq(1s) (dB): 112.01
Maximum sound level, Leq(125ms) (dB): 125.38
Maximum sound level, LAeq(125ms) (dBA): 117.75

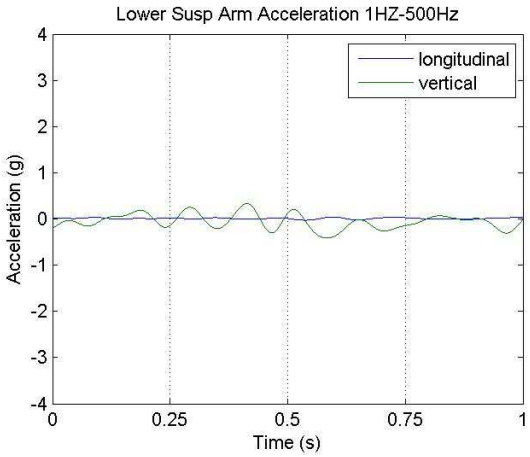
Bridge Structure Number: BSN4168

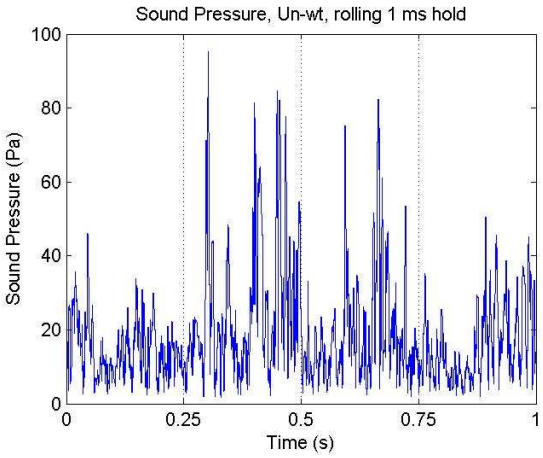
Name: TRISTRAM AVE OVERPASS (SOUTHBOUND)
Route Position: 1N 414 2.81
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

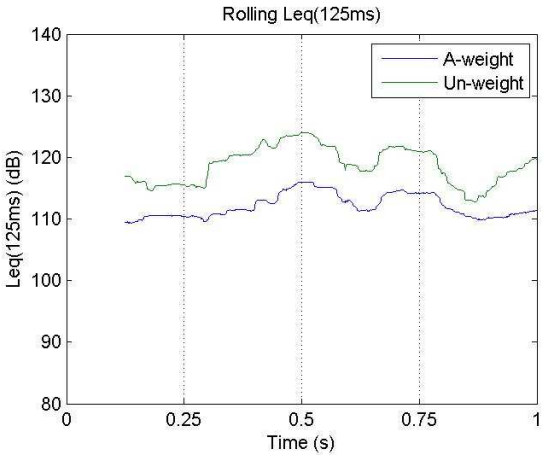
Test Details:

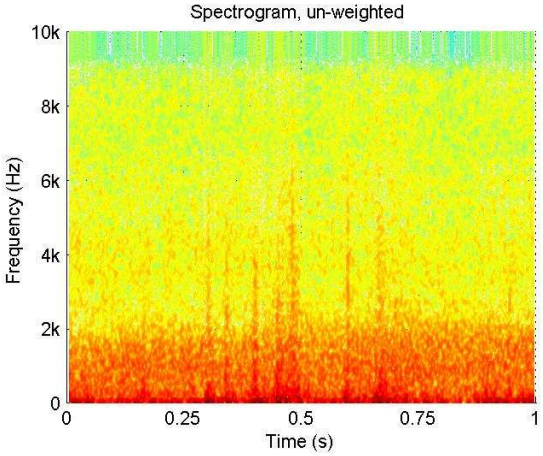
Operator: I.Kvatch
Date: 15−05−13
Time: 12:10:43
Marker No: 2

Latitude: −36.769332
Longitude: 174.741605
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 0.41
Acceleration − Maximum longitudinal (g): 0.04
Displacement − Maximum vertical (mm): 4.20
Displacement − Maximum longitudinal (mm): 0.43
Noise Peak Sound Pressure (Pa): 95.35
Average sound level, Leq(1s) (dB): 119.65
Average sound level, LAeq(1s) (dB): 112.34
Maximum sound level, Leq(125ms) (dB): 123.95
Maximum sound level, LAeq(125ms) (dBA): 116.03

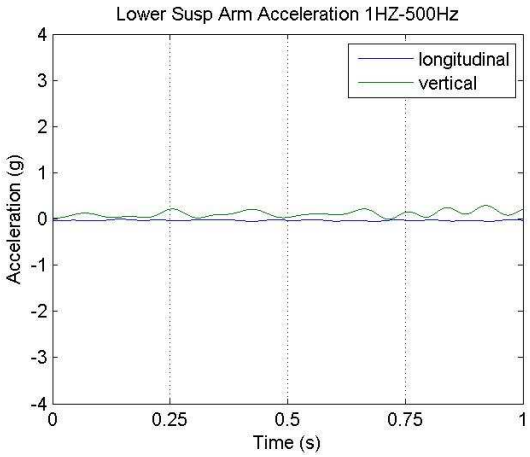
Bridge Structure Number: BSN4168

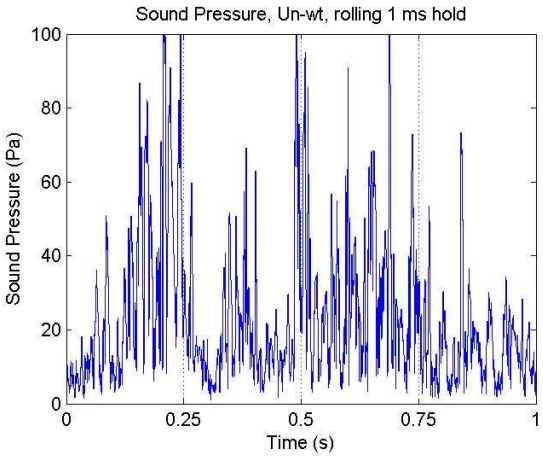
Name: TRISTRAM AVE OVERPASS (SOUTHBOUND)
Route Position: 1N 414 2.81
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

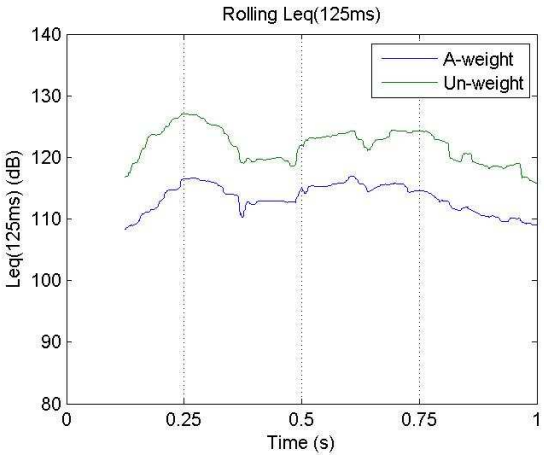
Test Details:

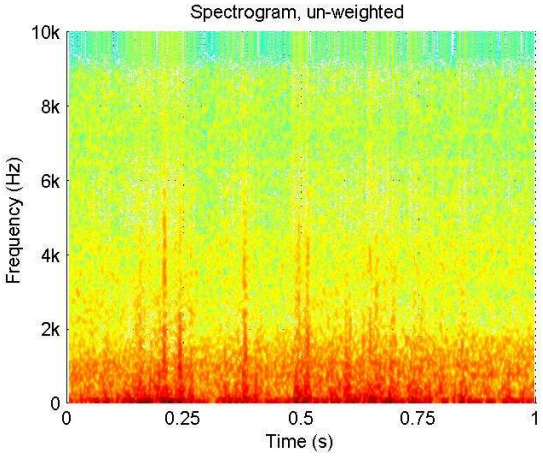
Operator: I.Kvatch
Date: 15−05−13
Time: 12:10:43
Marker No: 3

Latitude: −36.770445
Longitude: 174.742185
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.29
Acceleration − Maximum longitudinal (g): 0.05
Displacement − Maximum vertical (mm): 2.96
Displacement − Maximum longitudinal (mm): 0.53
Noise Peak Sound Pressure (Pa): 125.43
Average sound level, Leq(1s) (dB): 122.32
Average sound level, LAeq(1s) (dB): 113.51
Maximum sound level, Leq(125ms) (dB): 127.04
Maximum sound level, LAeq(125ms) (dBA): 116.95

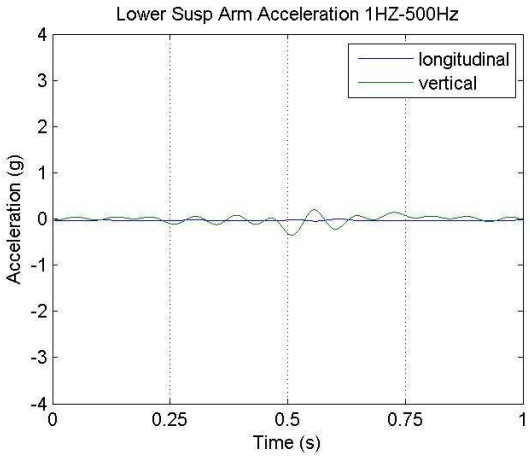
Bridge Structure Number: BSN4169

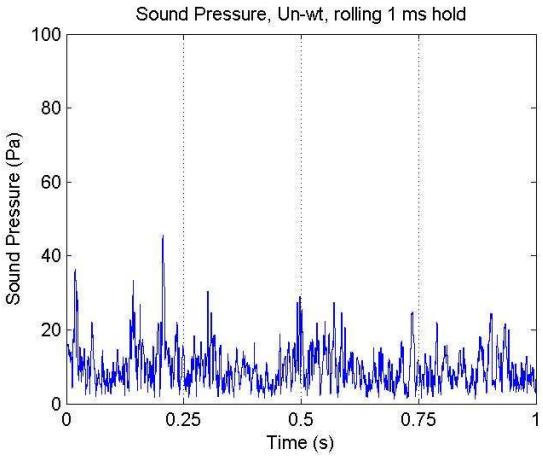
Name: TRISTRAM AVE OVERPASS (NORTHBOUND)
Route Position: 1N 414 2.81
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

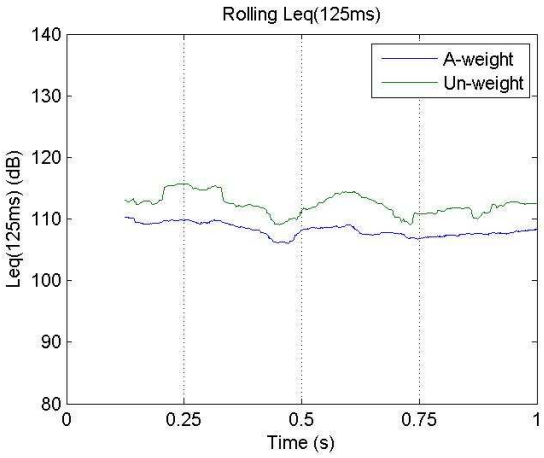
Test Details:

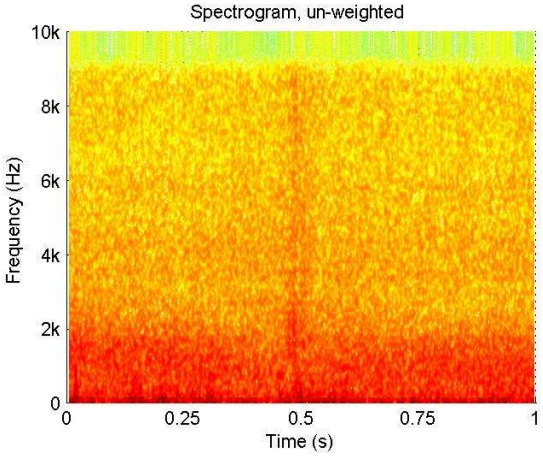
Operator: I.Kvatch
Date: 15−05−13
Time: 12:13:06
Marker No: 1

Latitude: −36.782768
Longitude: 174.749320
Speed (km/h): 80.9









Acceleration − Maximum vertical (g): 0.35
Acceleration − Maximum longitudinal (g): 0.05
Displacement − Maximum vertical (mm): 3.56
Displacement − Maximum longitudinal (mm): 0.48
Noise Peak Sound Pressure (Pa): 45.54
Average sound level, Leq(1s) (dB): 112.76
Average sound level, LAeq(1s) (dB): 108.54
Maximum sound level, Leq(125ms) (dB): 115.74
Maximum sound level, LAeq(125ms) (dBA): 110.27

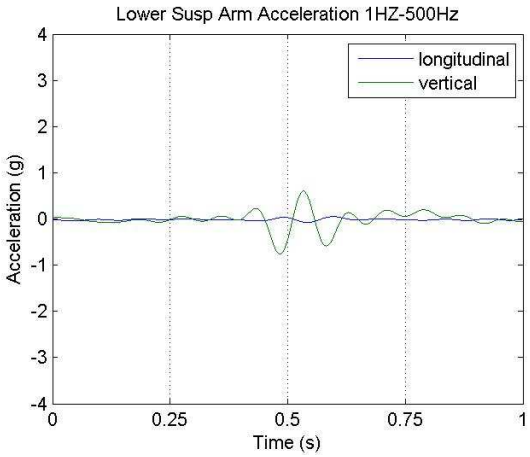
Bridge Structure Number: BSN4169

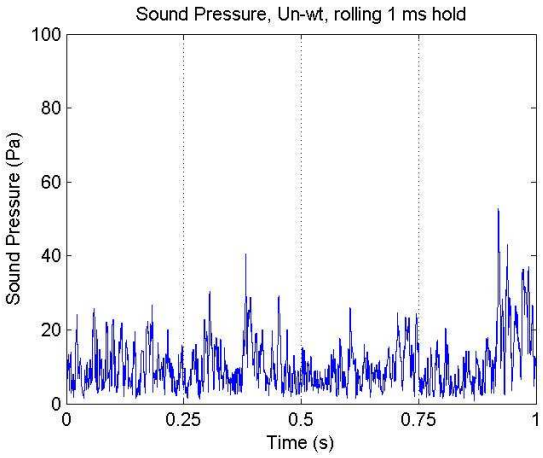
Name: TRISTRAM AVE OVERPASS (NORTHBOUND)
Route Position: 1N 414 2.81
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

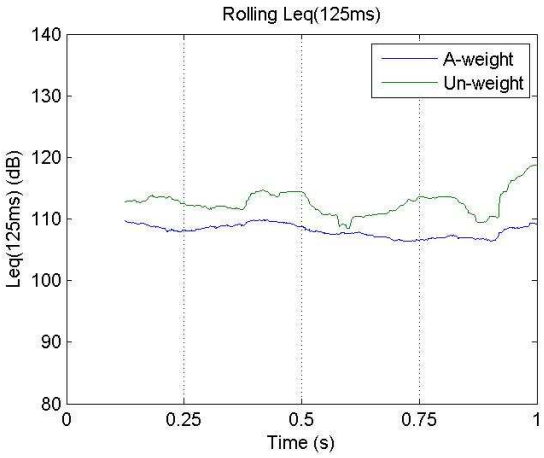
Test Details:

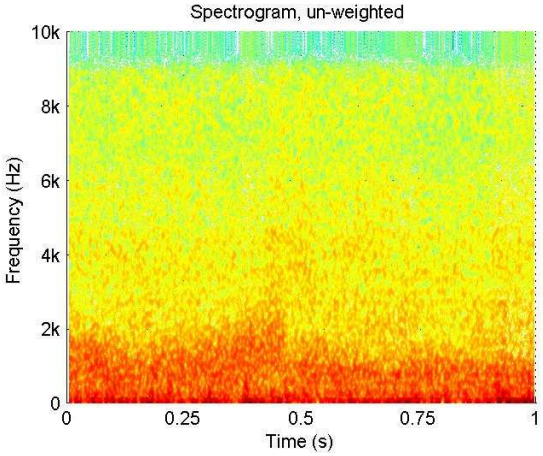
Operator: I.Kvatch
Date: 15−05−13
Time: 12:13:06
Marker No: 2

Latitude: −36.782043
Longitude: 174.748862
Speed (km/h): 81.1









Acceleration − Maximum vertical (g): 0.76
Acceleration − Maximum longitudinal (g): 0.08
Displacement − Maximum vertical (mm): 7.67
Displacement − Maximum longitudinal (mm): 0.79
Noise Peak Sound Pressure (Pa): 52.79
Average sound level, Leq(1s) (dB): 113.92
Average sound level, LAeq(1s) (dB): 108.37
Maximum sound level, Leq(125ms) (dB): 118.78
Maximum sound level, LAeq(125ms) (dBA): 109.84

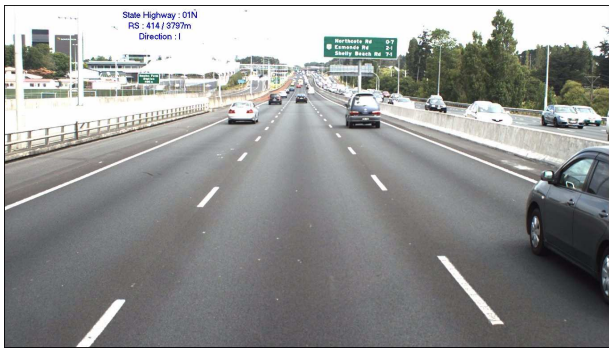
Bridge Structure Number: BSN4178

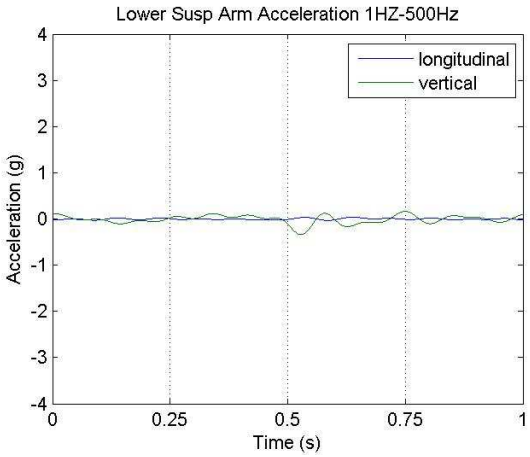
Name: WAIRAU ROAD OVERPASS No.1
Route Position: 1N 414 3.8
Direction: Increasing
Joint Type: Steel sliding plate
Road Surface Type: Asphalt

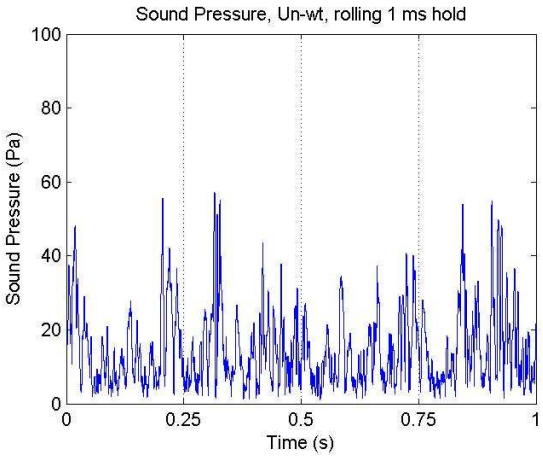
Test Details:

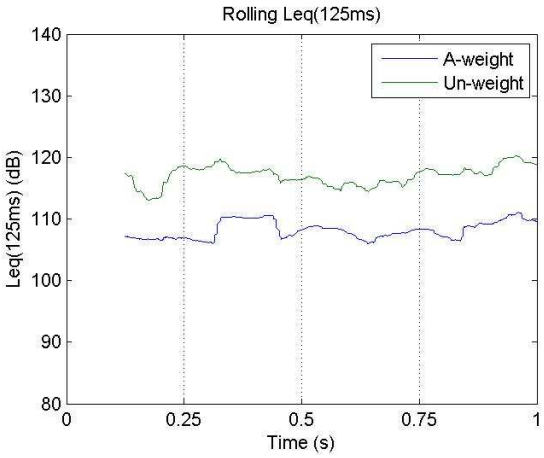
Operator: I.Kvatch
Date: 15−05−13
Time: 12:25:39
Marker No: 2

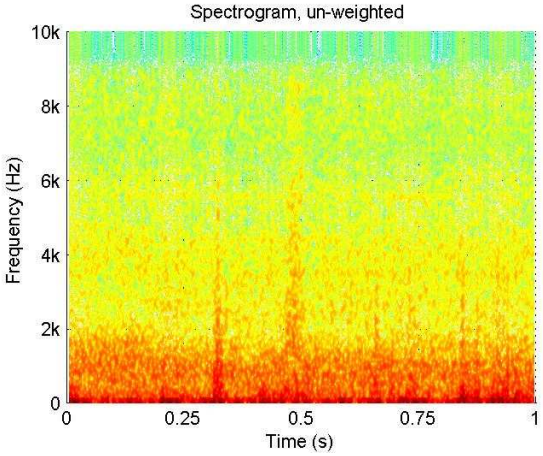
Latitude: −36.780072
Longitude: 174.747810
Speed (km/h): 80.9











Acceleration − Maximum vertical (g): 0.34
Acceleration − Maximum longitudinal (g): 0.04
Displacement − Maximum vertical (mm): 3.44
Displacement − Maximum longitudinal (mm): 0.38
Noise Peak Sound Pressure (Pa): 57.13
Average sound level, Leq(1s) (dB): 117.49
Average sound level, LAeq(1s) (dB): 108.44
Maximum sound level, Leq(125ms) (dB): 120.30
Maximum sound level, LAeq(125ms) (dBA): 111.09

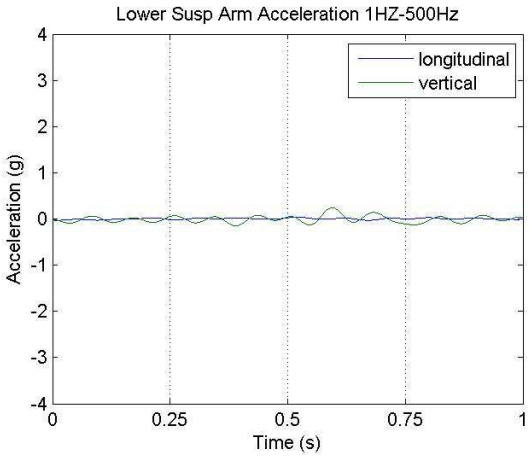
Bridge Structure Number: BSN4271

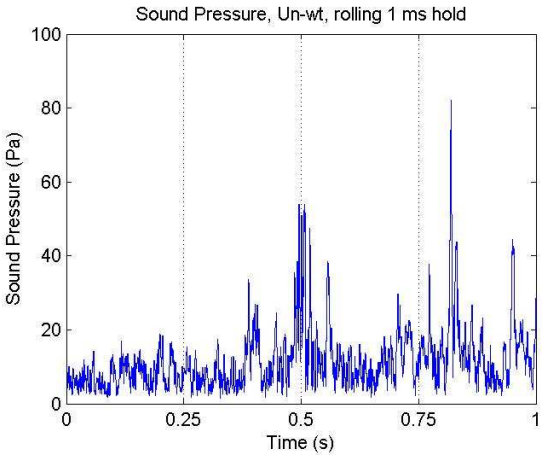
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

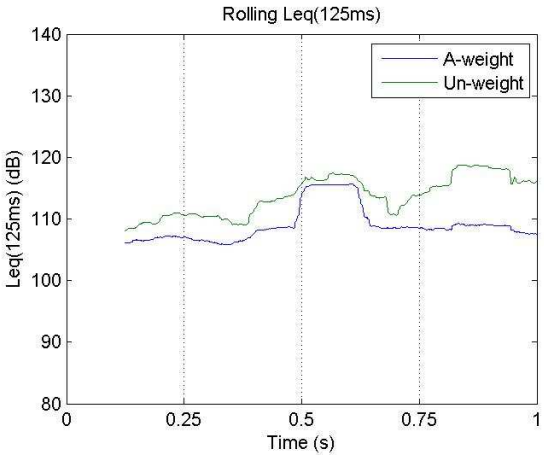
Test Details:

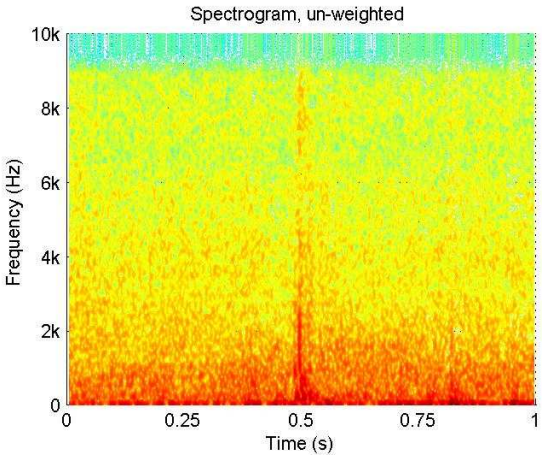
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 10

Latitude: −36.859572
Longitude: 174.756973
Speed (km/h): 75.9









Acceleration − Maximum vertical (g): 0.24
Acceleration − Maximum longitudinal (g): 0.04
Displacement − Maximum vertical (mm): 2.46
Displacement − Maximum longitudinal (mm): 0.38
Noise Peak Sound Pressure (Pa): 82.12
Average sound level, Leq(1s) (dB): 114.80
Average sound level, LAeq(1s) (dB): 109.91
Maximum sound level, Leq(125ms) (dB): 118.74
Maximum sound level, LAeq(125ms) (dBA): 115.64

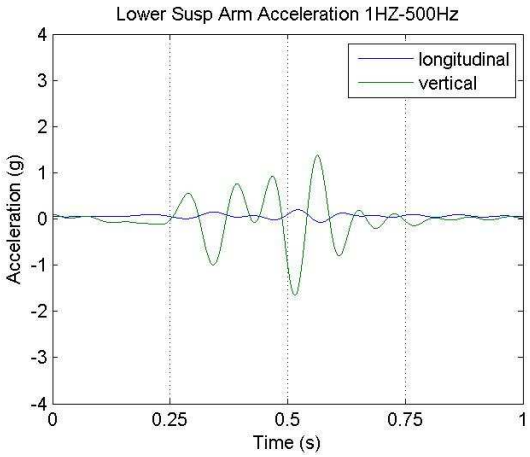
Bridge Structure Number: BSN4271

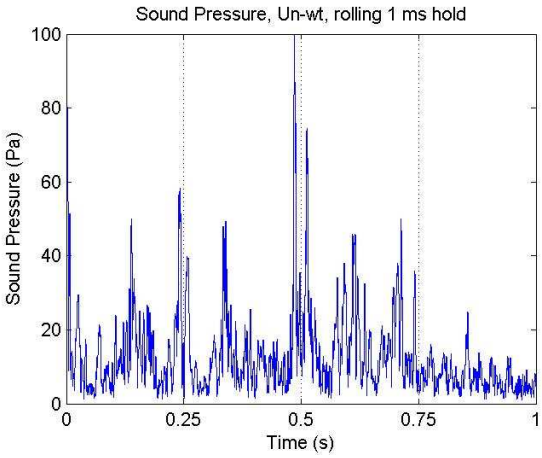
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

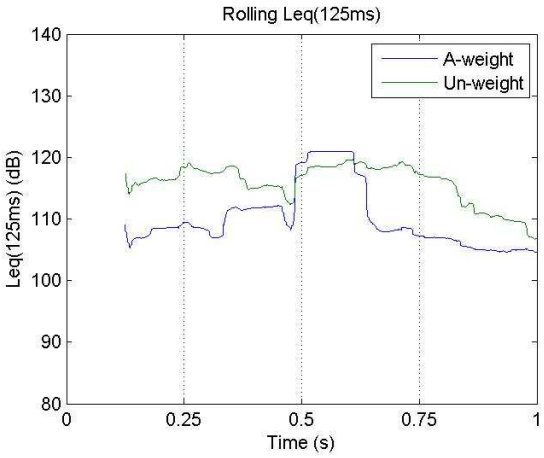
Test Details:

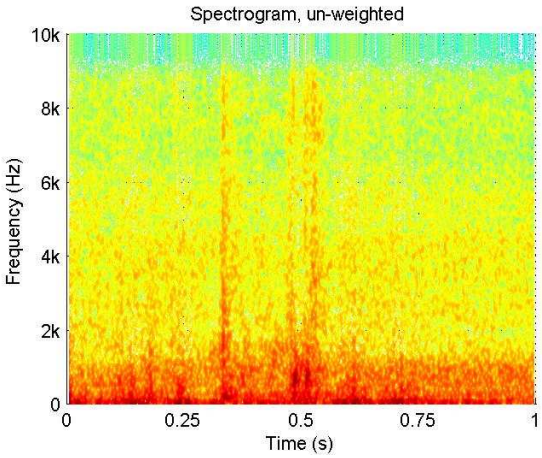
Operator: I.Kvatch
Date: 15−05−13
Time: 12:43:19
Marker No: 1

Latitude: −36.859068
Longitude: 174.756565
Speed (km/h): 79.5









Acceleration − Maximum vertical (g): 1.65
Acceleration − Maximum longitudinal (g): 0.20
Displacement − Maximum vertical (mm): 16.76
Displacement − Maximum longitudinal (mm): 2.02
Noise Peak Sound Pressure (Pa): 103.27
Average sound level, Leq(1s) (dB): 116.70
Average sound level, LAeq(1s) (dB): 113.40
Maximum sound level, Leq(125ms) (dB): 119.72
Maximum sound level, LAeq(125ms) (dBA): 121.01

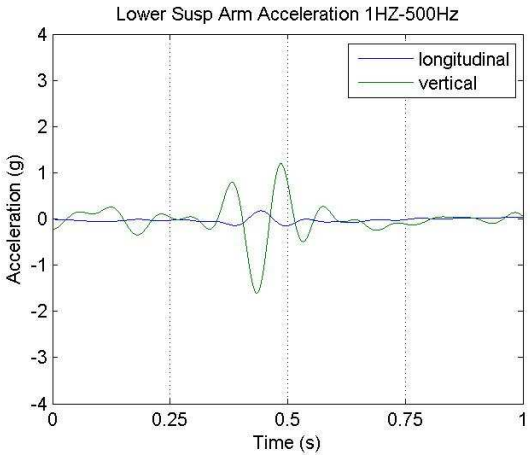
Bridge Structure Number: BSN4271

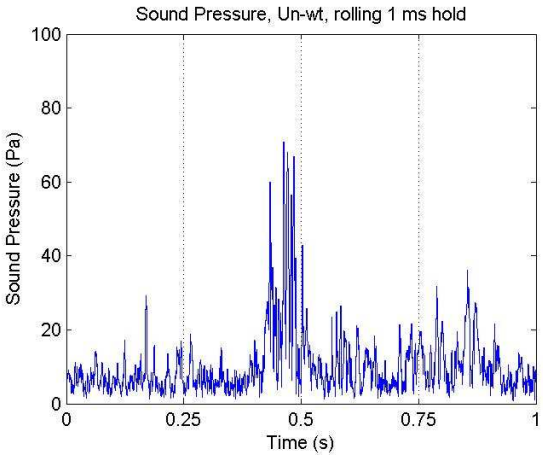
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

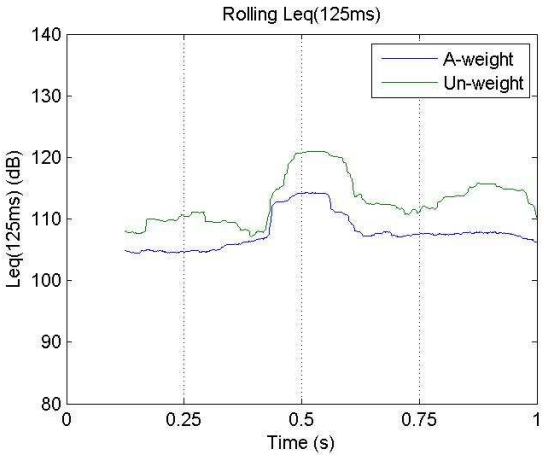
Test Details:

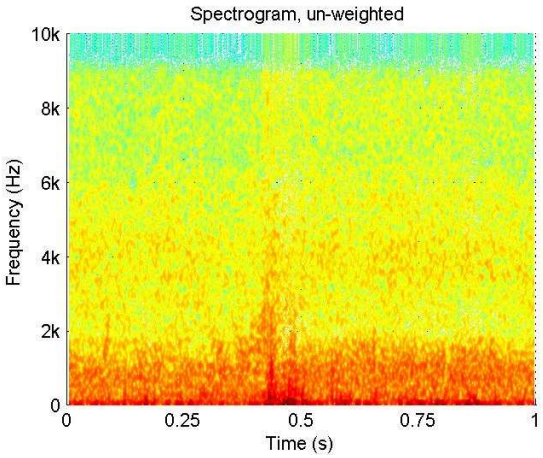
Operator: I.Kvatch
Date: 15−05−13
Time: 12:43:19
Marker No: 2

Latitude: −36.858550
Longitude: 174.756252
Speed (km/h): 76.3









Acceleration − Maximum vertical (g): 1.60
Acceleration − Maximum longitudinal (g): 0.18
Displacement − Maximum vertical (mm): 16.27
Displacement − Maximum longitudinal (mm): 1.80
Noise Peak Sound Pressure (Pa): 70.77
Average sound level, Leq(1s) (dB): 114.53
Average sound level, LAeq(1s) (dB): 108.59
Maximum sound level, Leq(125ms) (dB): 120.97
Maximum sound level, LAeq(125ms) (dBA): 114.24

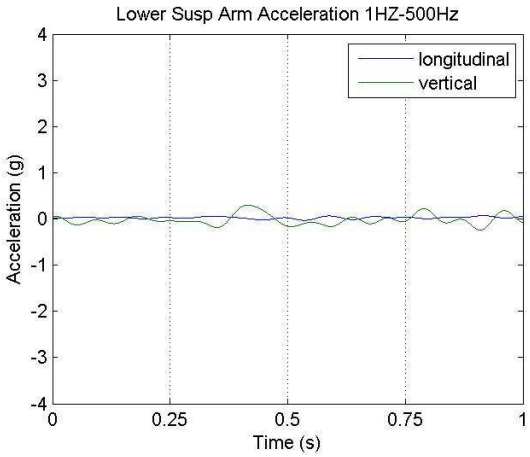
Bridge Structure Number: BSN4271

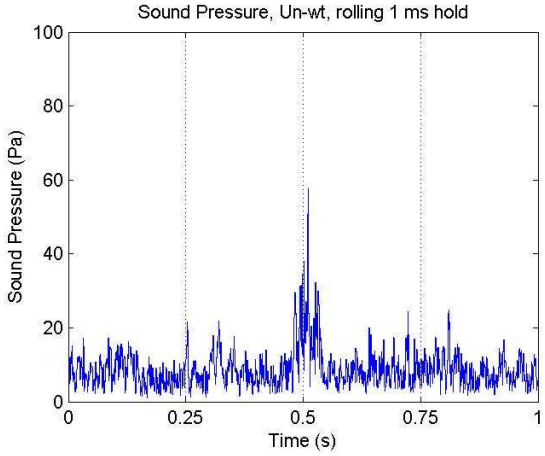
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

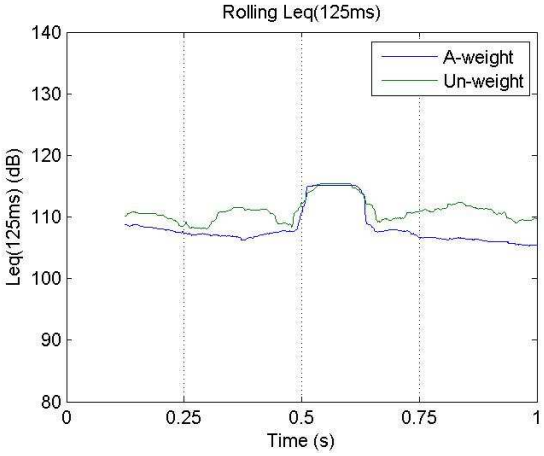
Test Details:

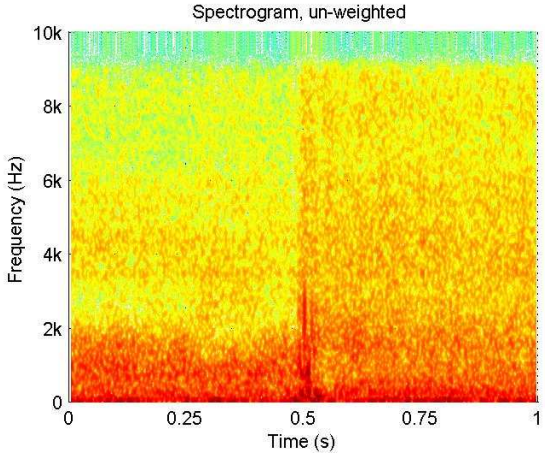
Operator: I.Kvatch
Date: 15−05−13
Time: 12:43:19
Marker No: 3

Latitude: −36.858203
Longitude: 174.756055
Speed (km/h): 77.0









Acceleration − Maximum vertical (g): 0.30
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 3.06
Displacement − Maximum longitudinal (mm): 0.74
Noise Peak Sound Pressure (Pa): 57.68
Average sound level, Leq(1s) (dB): 111.33
Average sound level, LAeq(1s) (dB): 109.38
Maximum sound level, Leq(125ms) (dB): 115.48
Maximum sound level, LAeq(125ms) (dBA): 115.18

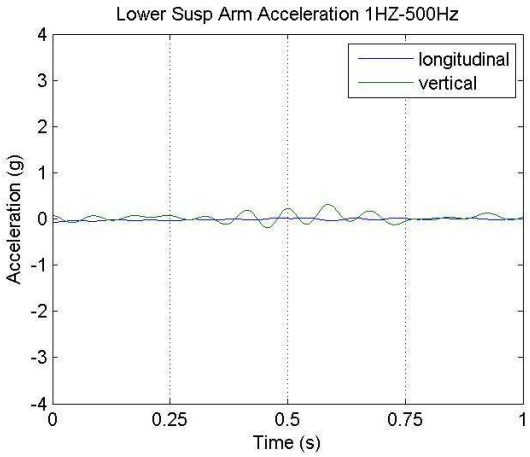
Bridge Structure Number: BSN4271

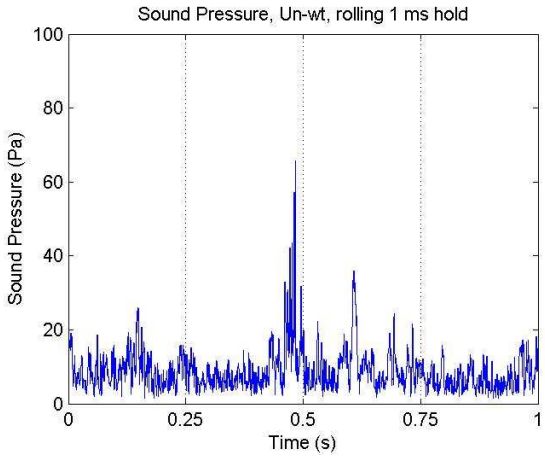
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

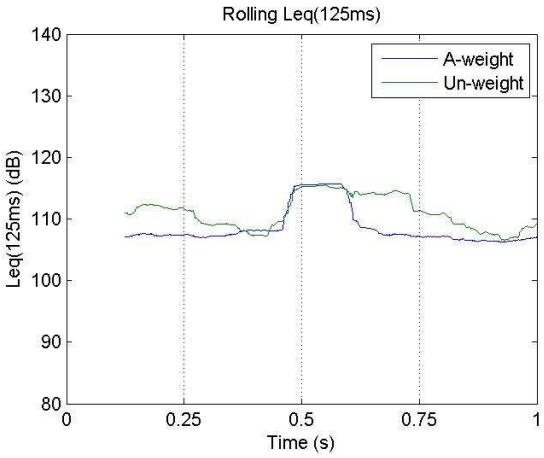
Test Details:

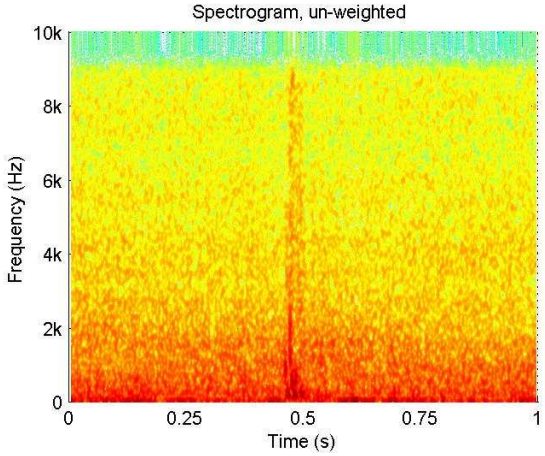
Operator: I.Kvatch
Date: 15−05−13
Time: 12:43:19
Marker No: 4

Latitude: −36.857310
Longitude: 174.755650
Speed (km/h): 75.4









Acceleration − Maximum vertical (g): 0.32
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 3.19
Displacement − Maximum longitudinal (mm): 0.71
Noise Peak Sound Pressure (Pa): 65.70
Average sound level, Leq(1s) (dB): 111.75
Average sound level, LAeq(1s) (dB): 109.71
Maximum sound level, Leq(125ms) (dB): 115.48
Maximum sound level, LAeq(125ms) (dBA): 115.70

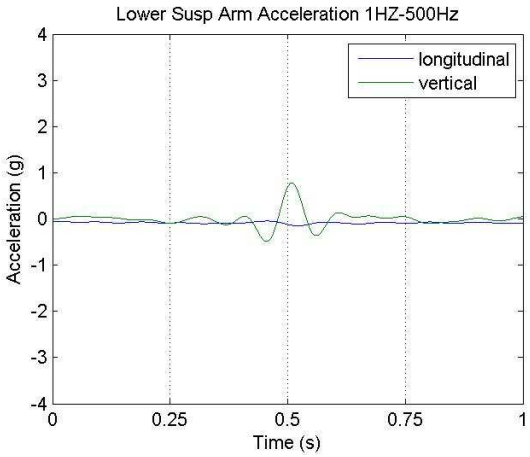
Bridge Structure Number: BSN4271

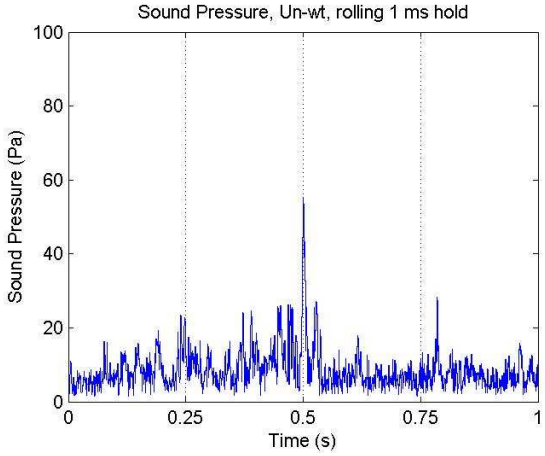
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

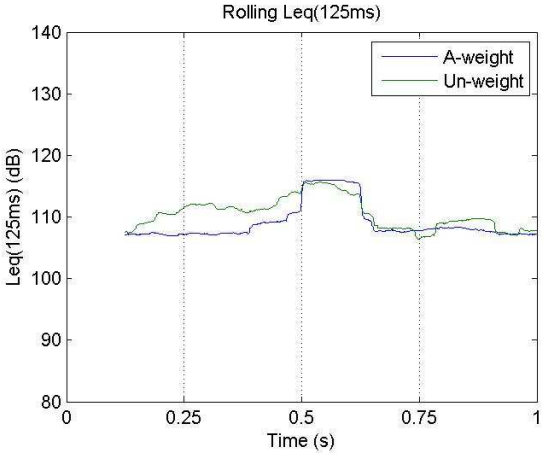
Test Details:

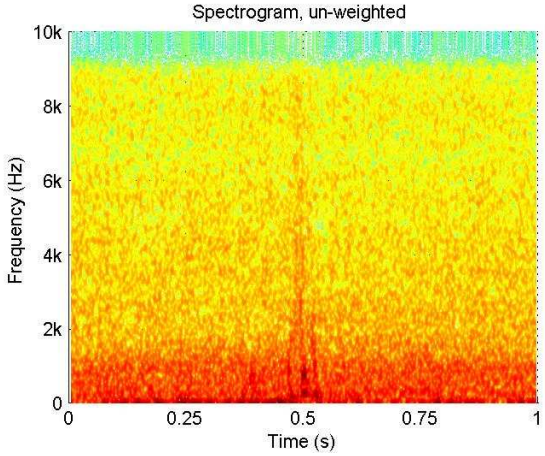
Operator: I.Kvatch
Date: 15−05−13
Time: 12:43:19
Marker No: 5

Latitude: −36.856358
Longitude: 174.755632
Speed (km/h): 78.0









Acceleration − Maximum vertical (g): 0.78
Acceleration − Maximum longitudinal (g): 0.15
Displacement − Maximum vertical (mm): 7.92
Displacement − Maximum longitudinal (mm): 1.51
Noise Peak Sound Pressure (Pa): 55.26
Average sound level, Leq(1s) (dB): 110.96
Average sound level, LAeq(1s) (dB): 110.06
Maximum sound level, Leq(125ms) (dB): 115.67
Maximum sound level, LAeq(125ms) (dBA): 116.02

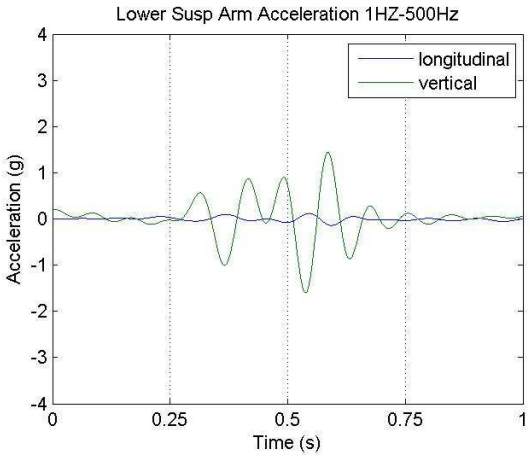
Bridge Structure Number: BSN4271

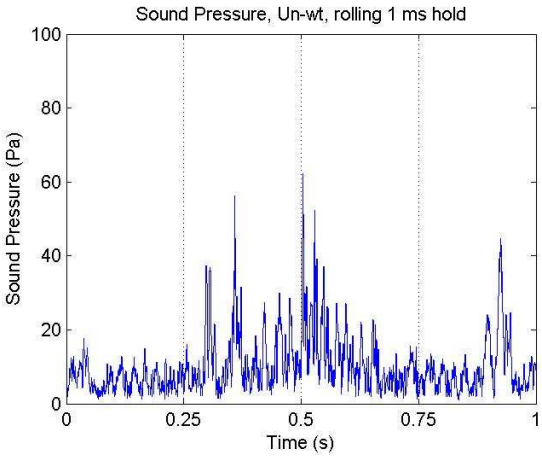
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

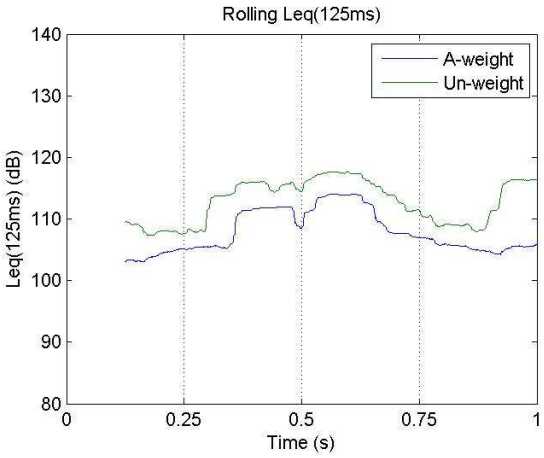
Test Details:

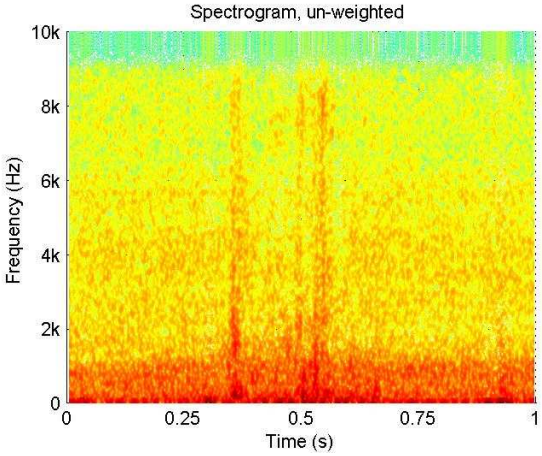
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 7

Latitude: −36.860252
Longitude: 174.759240
Speed (km/h): 87.6









Acceleration − Maximum vertical (g): 1.59
Acceleration − Maximum longitudinal (g): 0.14
Displacement − Maximum vertical (mm): 16.16
Displacement − Maximum longitudinal (mm): 1.42
Noise Peak Sound Pressure (Pa): 62.22
Average sound level, Leq(1s) (dB): 113.98
Average sound level, LAeq(1s) (dB): 108.91
Maximum sound level, Leq(125ms) (dB): 117.70
Maximum sound level, LAeq(125ms) (dBA): 114.02

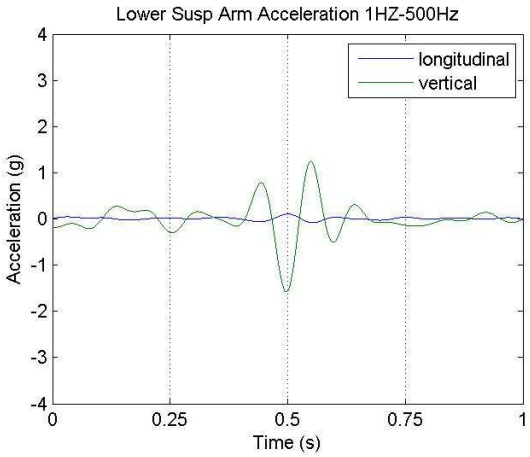
Bridge Structure Number: BSN4271

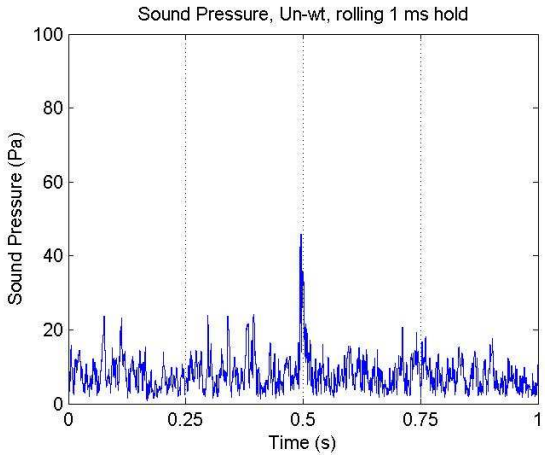
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

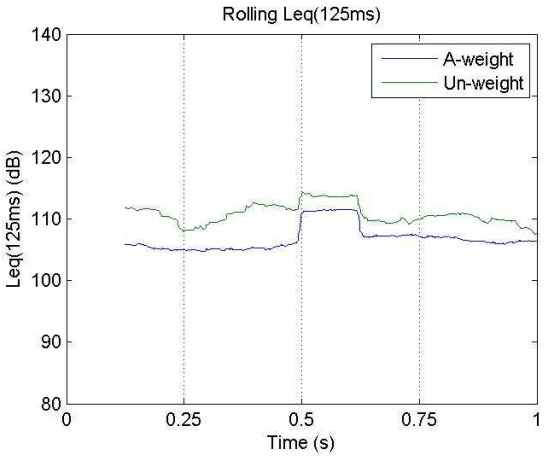
Test Details:

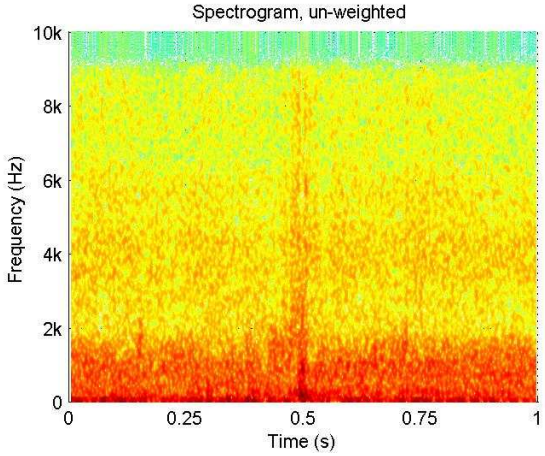
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 8

Latitude: −36.860232
Longitude: 174.758698
Speed (km/h): 87.0









Acceleration − Maximum vertical (g): 1.58
Acceleration − Maximum longitudinal (g): 0.11
Displacement − Maximum vertical (mm): 15.98
Displacement − Maximum longitudinal (mm): 1.07
Noise Peak Sound Pressure (Pa): 45.75
Average sound level, Leq(1s) (dB): 110.96
Average sound level, LAeq(1s) (dB): 107.25
Maximum sound level, Leq(125ms) (dB): 114.31
Maximum sound level, LAeq(125ms) (dBA): 111.54

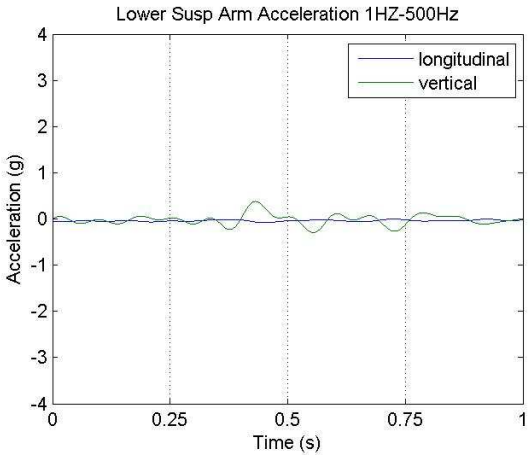
Bridge Structure Number: BSN4271

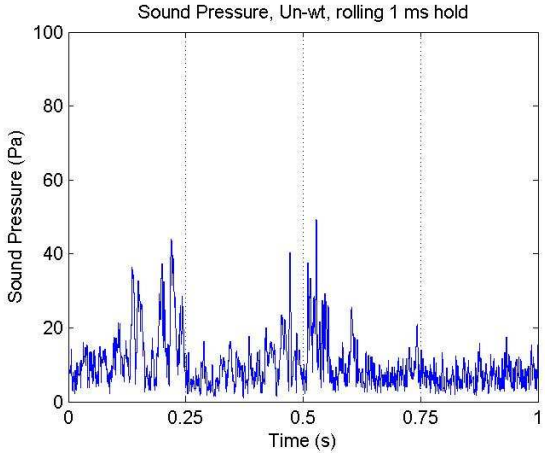
Name: NEWTON No.1 BRIDGE
Route Position: 1N 427 0.39
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

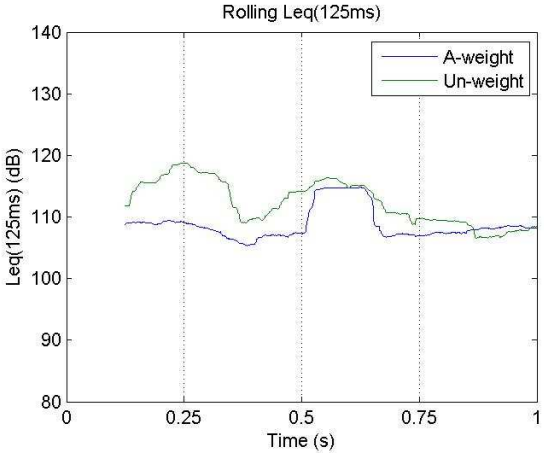
Test Details:

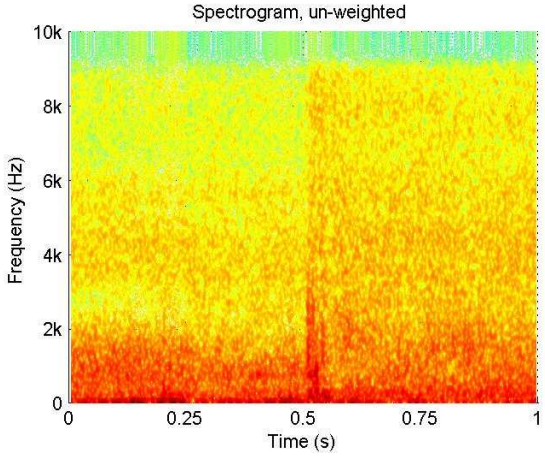
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 9

Latitude: −36.860095
Longitude: 174.757958
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 0.38
Acceleration − Maximum longitudinal (g): 0.08
Displacement − Maximum vertical (mm): 3.85
Displacement − Maximum longitudinal (mm): 0.80
Noise Peak Sound Pressure (Pa): 49.37
Average sound level, Leq(1s) (dB): 113.46
Average sound level, LAeq(1s) (dB): 109.58
Maximum sound level, Leq(125ms) (dB): 118.76
Maximum sound level, LAeq(125ms) (dBA): 114.79

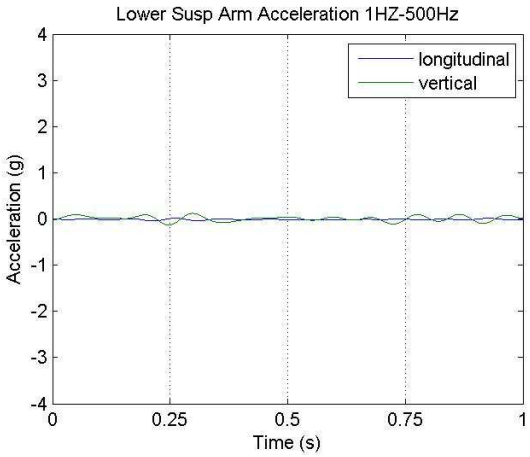
Bridge Structure Number: BSN4281

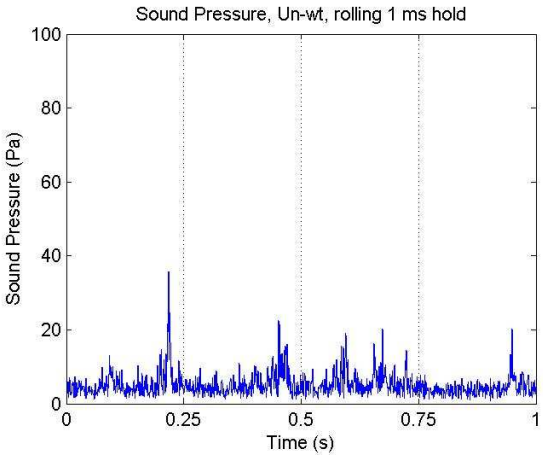
Name: Grafton Interchange 3A
Route Position: 1N 427 1.03
Direction: Increasing
Joint Type: Rubber seals + vertical steel plates
Road Surface Type: Asphalt

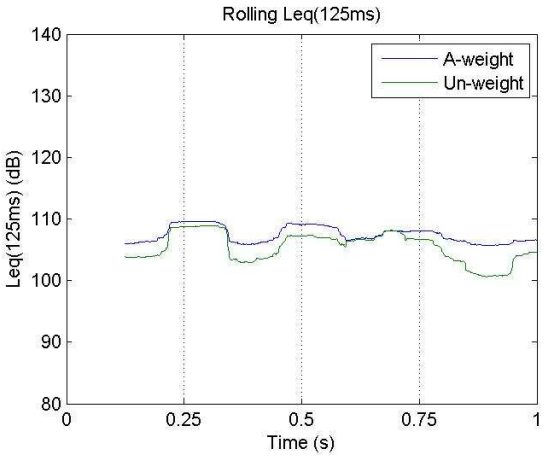
Test Details:

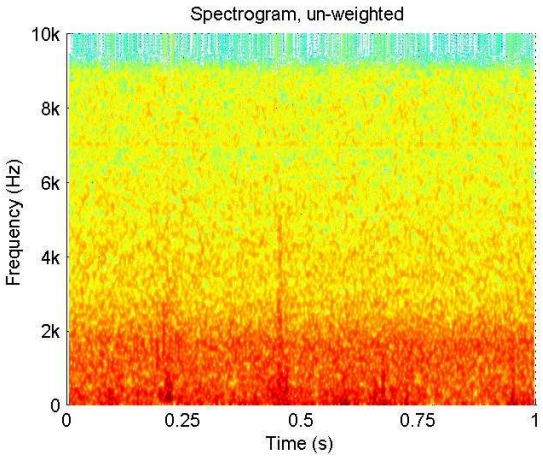
Operator: I.Kvatch
Date: 15−05−13
Time: 09−24−47
Marker No: 1

Latitude: −36.860115
Longitude: 174.762035
Speed (km/h): 75.4









Acceleration − Maximum vertical (g): 0.13
Acceleration − Maximum longitudinal (g): 0.04
Displacement − Maximum vertical (mm): 1.34
Displacement − Maximum longitudinal (mm): 0.43
Noise Peak Sound Pressure (Pa): 35.72
Average sound level, Leq(1s) (dB): 105.83
Average sound level, LAeq(1s) (dB): 107.47
Maximum sound level, Leq(125ms) (dB): 108.91
Maximum sound level, LAeq(125ms) (dBA): 109.64

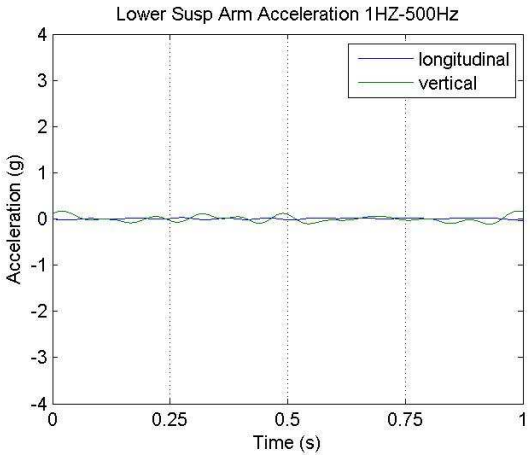
Bridge Structure Number: BSN4281

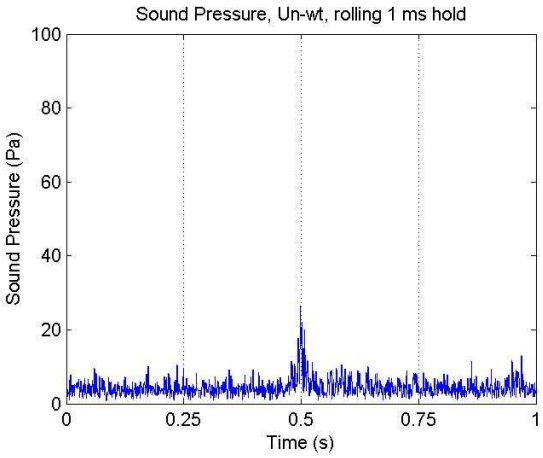
Name: Grafton Interchange 3A
Route Position: 1N 0427 1.03
Direction: Increasing
Joint Type: Rubber seals + vertical steel plates
Road Surface Type: Asphalt

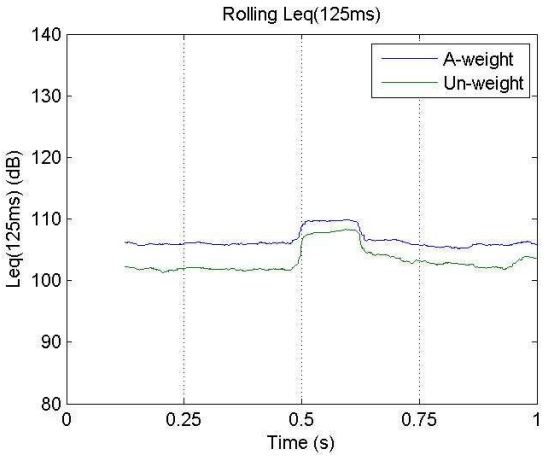
Test Details:

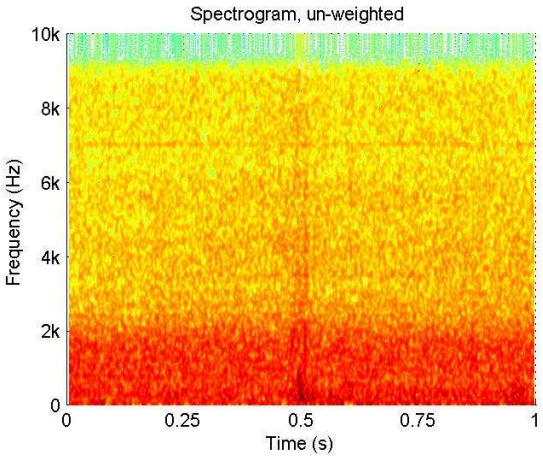
Operator: I.Kvatch
Date: 15−05−13
Time: 09−24−47
Marker No: 2

Latitude: −36.860115
Longitude: 174.762035
Speed (km/h): 75.4









Acceleration − Maximum vertical (g): 0.17
Acceleration − Maximum longitudinal (g): 0.03
Displacement − Maximum vertical (mm): 1.71
Displacement − Maximum longitudinal (mm): 0.30
Noise Peak Sound Pressure (Pa): 26.44
Average sound level, Leq(1s) (dB): 103.79
Average sound level, LAeq(1s) (dB): 106.70
Maximum sound level, Leq(125ms) (dB): 108.28
Maximum sound level, LAeq(125ms) (dBA): 109.91

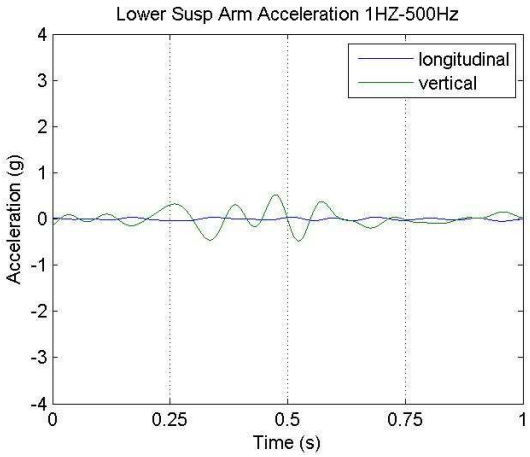
Bridge Structure Number: BSN4282

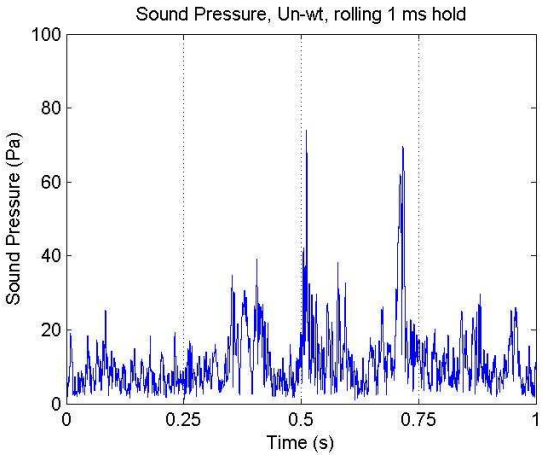
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

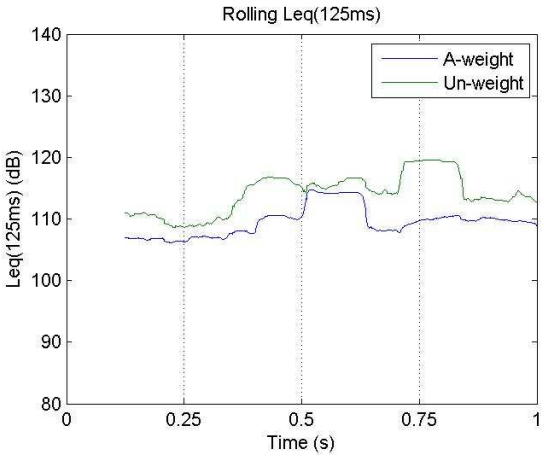
Test Details:

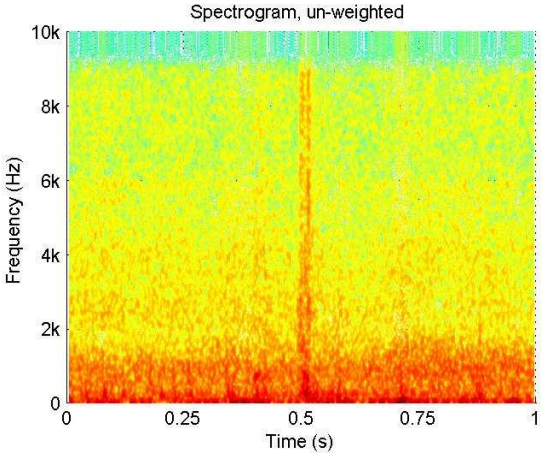
Operator: I.Kvatch
Date: 15−05−13
Time: 12:32:55
Marker No: 1

Latitude: −36.860332
Longitude: 174.762333
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.52
Acceleration − Maximum longitudinal (g): 0.05
Displacement − Maximum vertical (mm): 5.32
Displacement − Maximum longitudinal (mm): 0.51
Noise Peak Sound Pressure (Pa): 74.04
Average sound level, Leq(1s) (dB): 114.95
Average sound level, LAeq(1s) (dB): 109.97
Maximum sound level, Leq(125ms) (dB): 119.59
Maximum sound level, LAeq(125ms) (dBA): 114.77

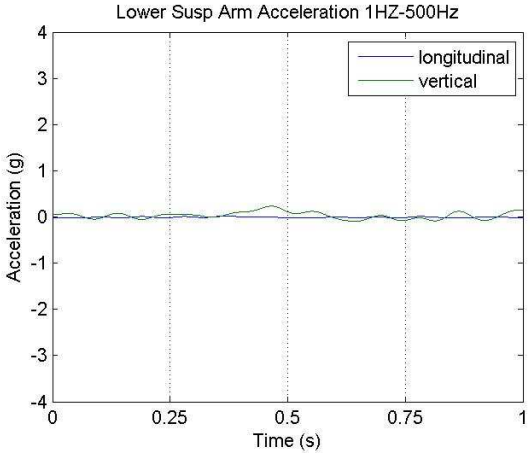
Bridge Structure Number: BSN4282

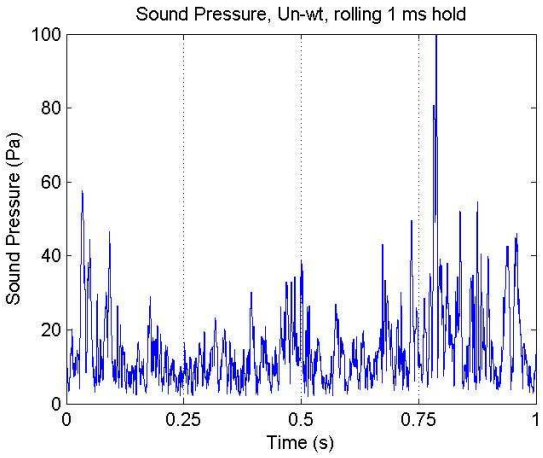
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

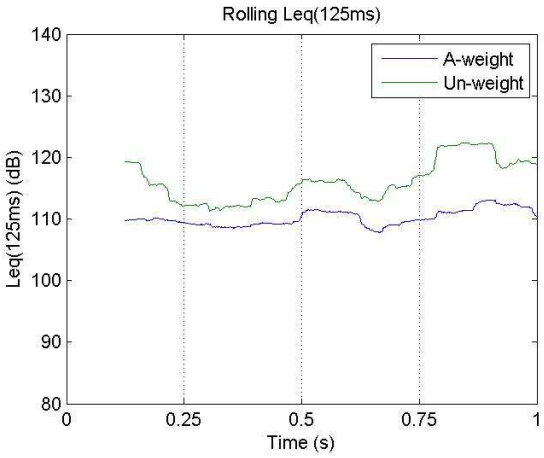
Test Details:

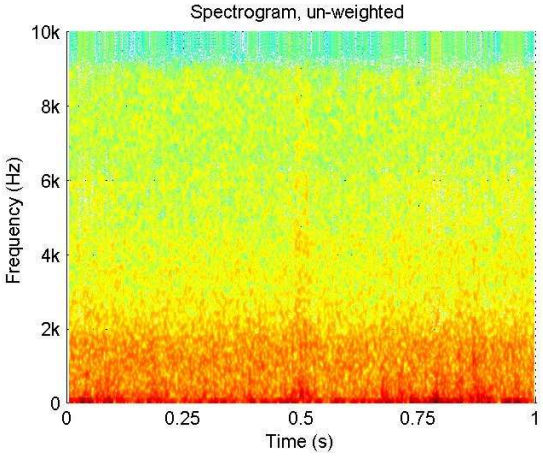
Operator: I.Kvatch
Date: 15−05−13
Time: 12:32:55
Marker No: 2

Latitude: −36.860332
Longitude: 174.762333
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.23
Acceleration − Maximum longitudinal (g): 0.03
Displacement − Maximum vertical (mm): 2.37
Displacement − Maximum longitudinal (mm): 0.27
Noise Peak Sound Pressure (Pa): 111.41
Average sound level, Leq(1s) (dB): 117.70
Average sound level, LAeq(1s) (dB): 110.29
Maximum sound level, Leq(125ms) (dB): 122.32
Maximum sound level, LAeq(125ms) (dBA): 113.10

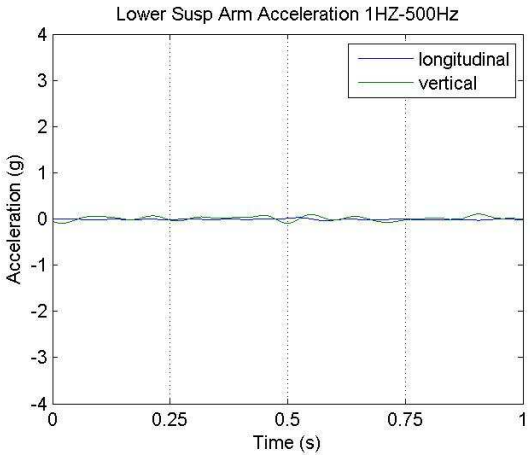
Bridge Structure Number: BSN4282

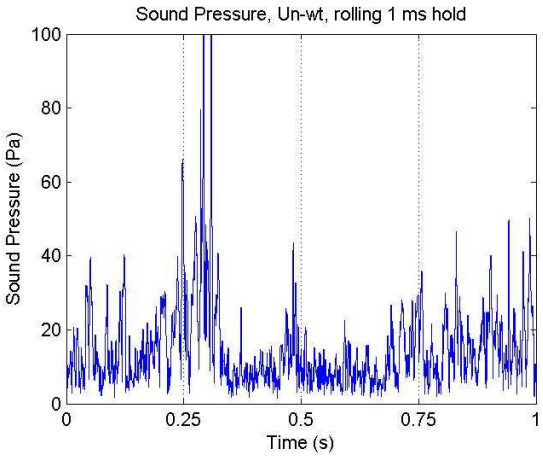
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

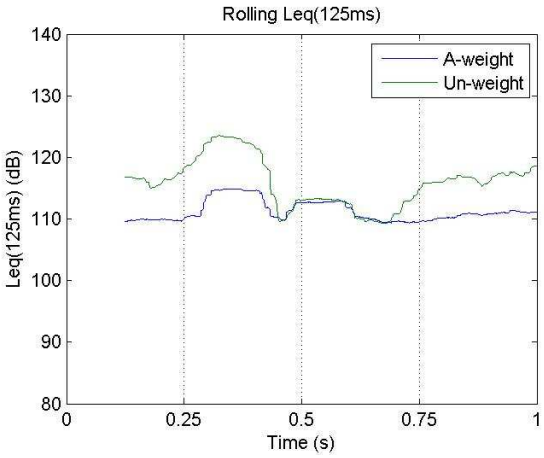
Test Details:

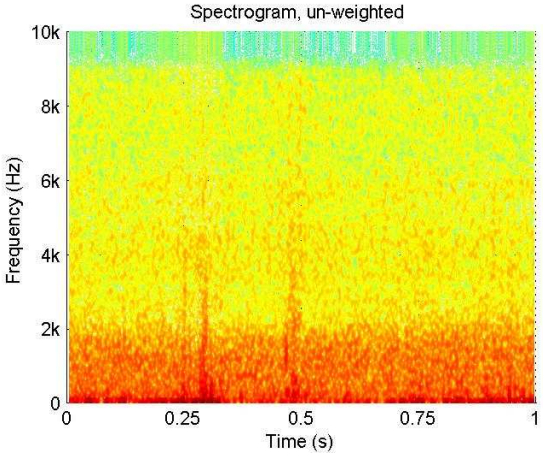
Operator: I.Kvatch
Date: 15−05−13
Time: 12:32:55
Marker No: 3

Latitude: −36.860332
Longitude: 174.762333
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.10
Acceleration − Maximum longitudinal (g): 0.04
Displacement − Maximum vertical (mm): 1.06
Displacement − Maximum longitudinal (mm): 0.38
Noise Peak Sound Pressure (Pa): 133.90
Average sound level, Leq(1s) (dB): 117.64
Average sound level, LAeq(1s) (dB): 111.45
Maximum sound level, Leq(125ms) (dB): 123.54
Maximum sound level, LAeq(125ms) (dBA): 114.87

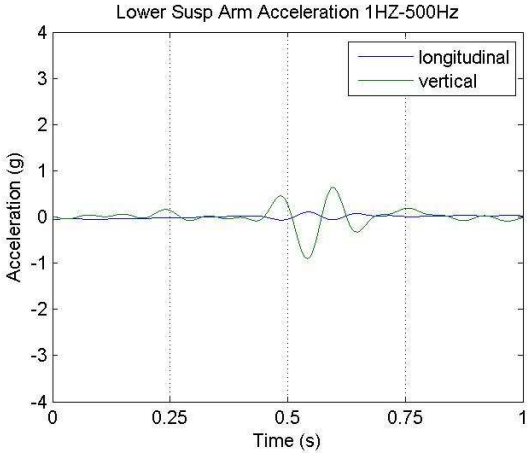
Bridge Structure Number: BSN4282

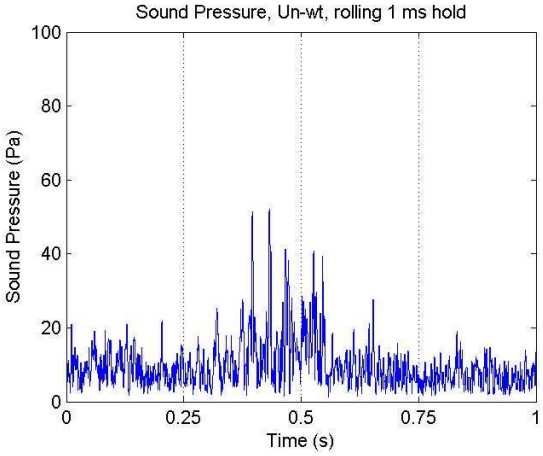
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

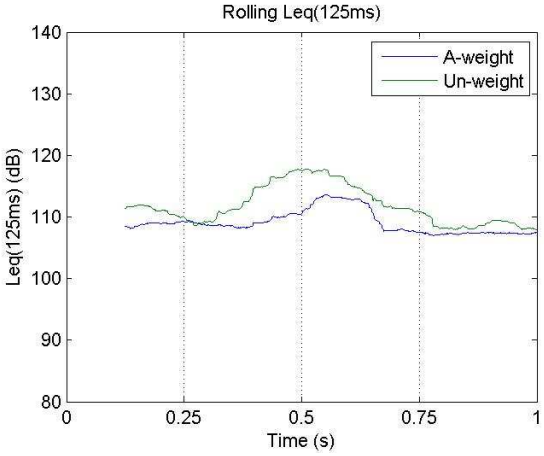
Test Details:

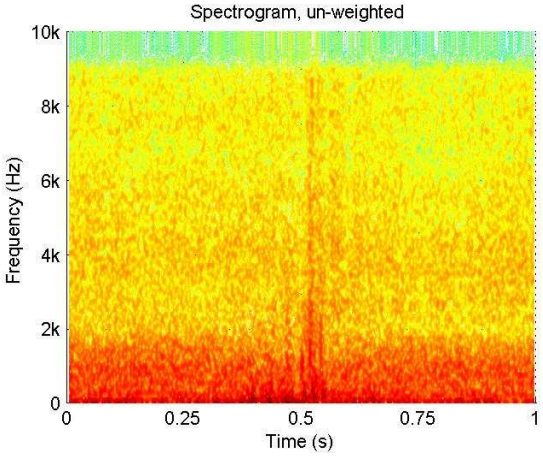
Operator: I.Kvatch
Date: 15−05−13
Time: 12:41:54
Marker No: 3

Latitude: −36.862983
Longitude: 174.764635
Speed (km/h): 76.7









Acceleration − Maximum vertical (g): 0.90
Acceleration − Maximum longitudinal (g): 0.11
Displacement − Maximum vertical (mm): 9.11
Displacement − Maximum longitudinal (mm): 1.08
Noise Peak Sound Pressure (Pa): 52.06
Average sound level, Leq(1s) (dB): 112.75
Average sound level, LAeq(1s) (dB): 109.38
Maximum sound level, Leq(125ms) (dB): 117.79
Maximum sound level, LAeq(125ms) (dBA): 113.60

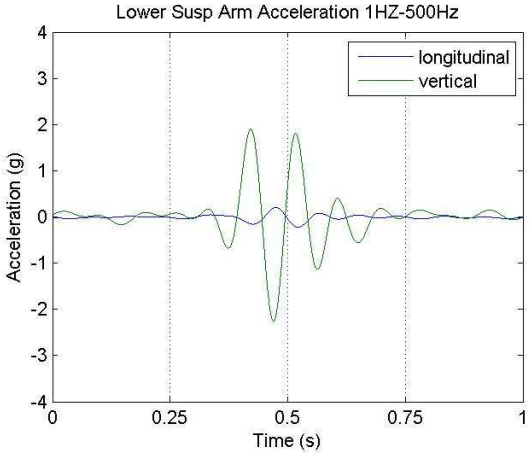
Bridge Structure Number: BSN4282

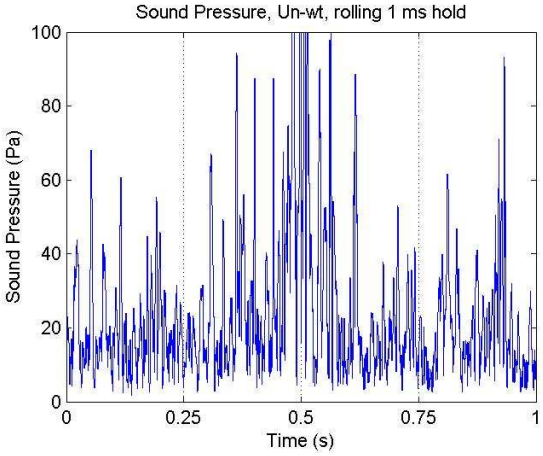
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plate
Road Surface Type: Asphalt

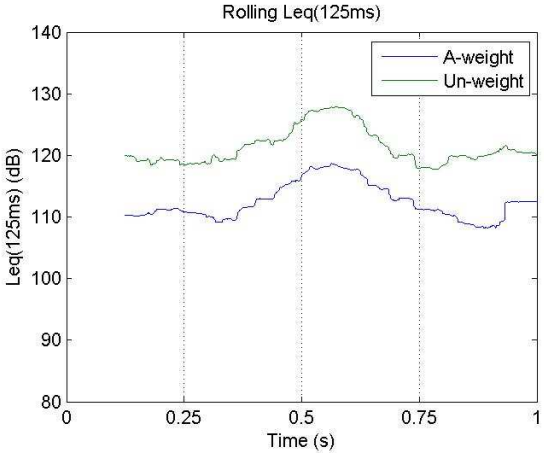
Test Details:

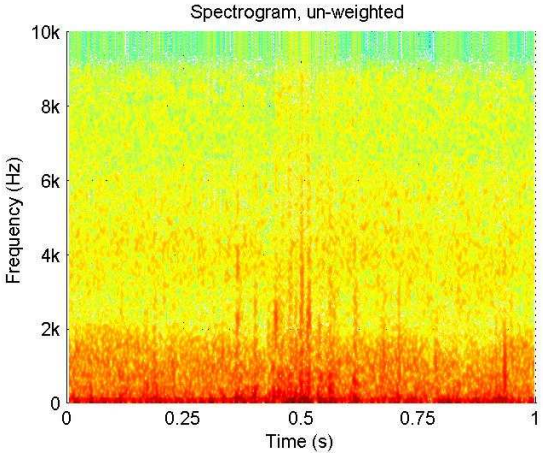
Operator: I.Kvatch
Date: 15−05−13
Time: 12:32:55
Marker No: 4

Latitude: −36.860332
Longitude: 174.762333
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 2.25
Acceleration − Maximum longitudinal (g): 0.22
Displacement − Maximum vertical (mm): 22.86
Displacement − Maximum longitudinal (mm): 2.26
Noise Peak Sound Pressure (Pa): 127.15
Average sound level, Leq(1s) (dB): 122.21
Average sound level, LAeq(1s) (dB): 113.35
Maximum sound level, Leq(125ms) (dB): 127.86
Maximum sound level, LAeq(125ms) (dBA): 118.69

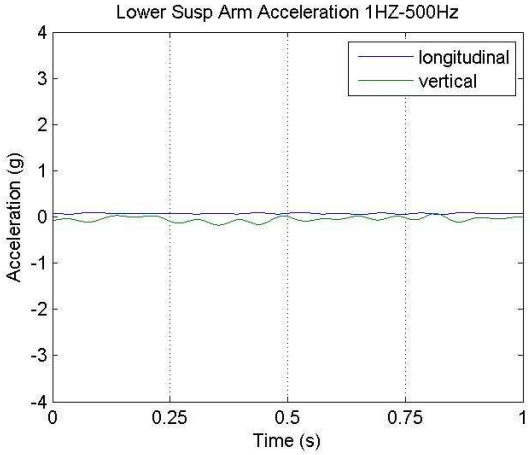
Bridge Structure Number: BSN4282

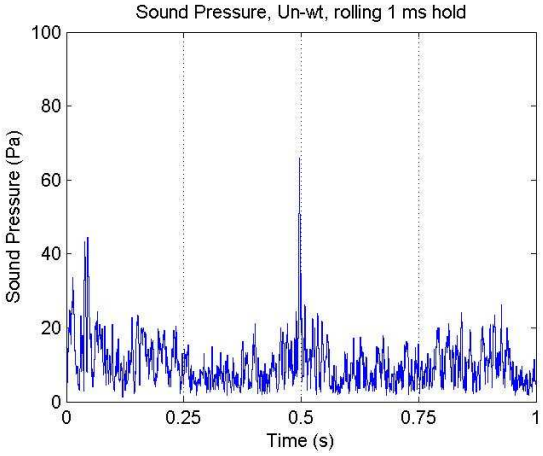
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

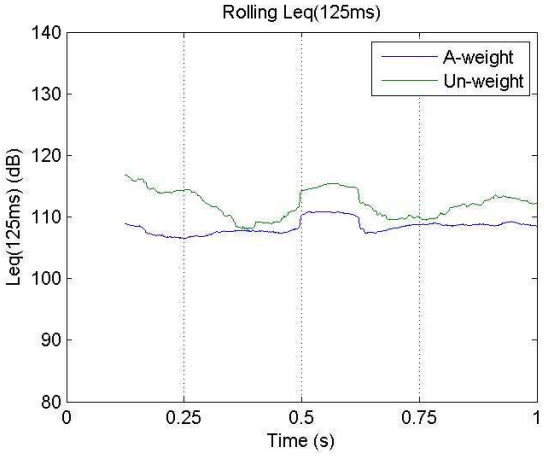
Test Details:

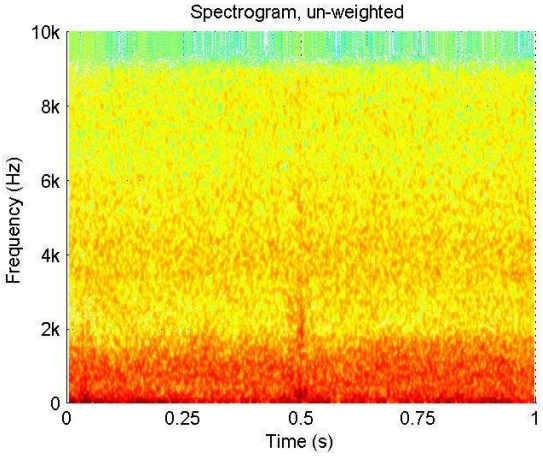
Operator: I.Kvatch
Date: 15−05−13
Time: 12:41:54
Marker No: 4

Latitude: −36.862060
Longitude: 174.763738
Speed (km/h): 77.8









Acceleration − Maximum vertical (g): 0.18
Acceleration − Maximum longitudinal (g): 0.10
Displacement − Maximum vertical (mm): 1.79
Displacement − Maximum longitudinal (mm): 1.02
Noise Peak Sound Pressure (Pa): 65.83
Average sound level, Leq(1s) (dB): 113.20
Average sound level, LAeq(1s) (dB): 108.57
Maximum sound level, Leq(125ms) (dB): 116.75
Maximum sound level, LAeq(125ms) (dBA): 110.87

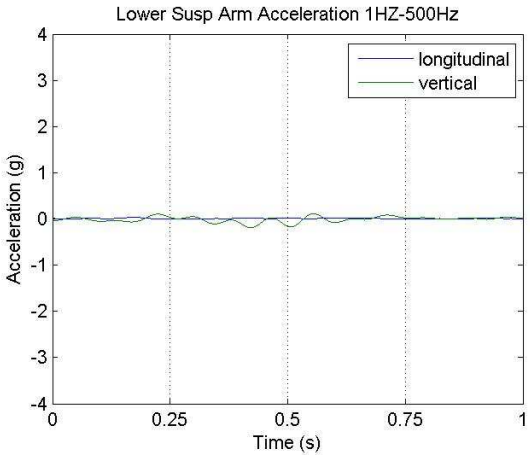
Bridge Structure Number: BSN4282

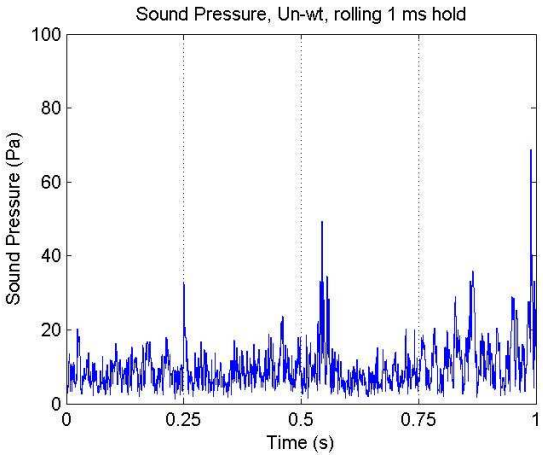
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

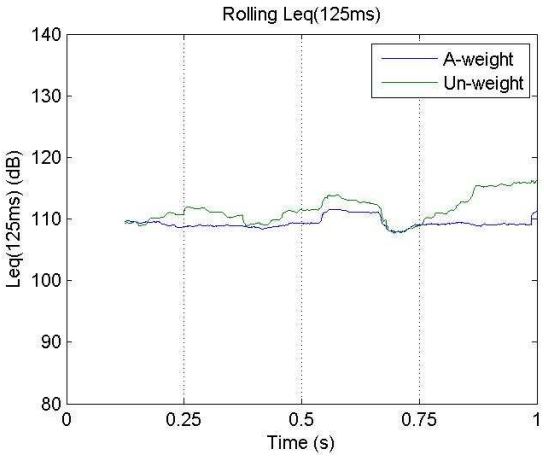
Test Details:

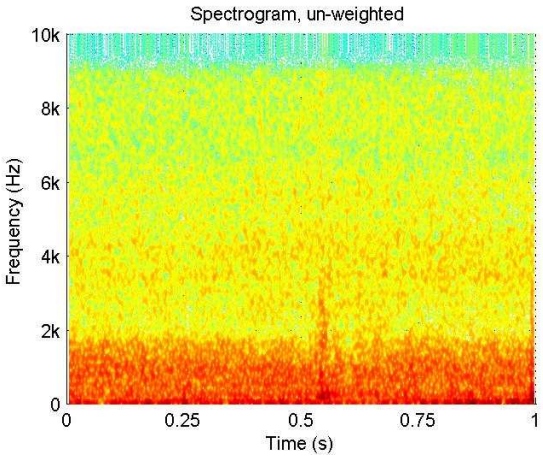
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 4

Latitude: −36.864047
Longitude: 174.766173
Speed (km/h): 80.4









Acceleration − Maximum vertical (g): 0.19
Acceleration − Maximum longitudinal (g): 0.03
Displacement − Maximum vertical (mm): 1.91
Displacement − Maximum longitudinal (mm): 0.33
Noise Peak Sound Pressure (Pa): 68.62
Average sound level, Leq(1s) (dB): 112.67
Average sound level, LAeq(1s) (dB): 109.71
Maximum sound level, Leq(125ms) (dB): 116.19
Maximum sound level, LAeq(125ms) (dBA): 111.54

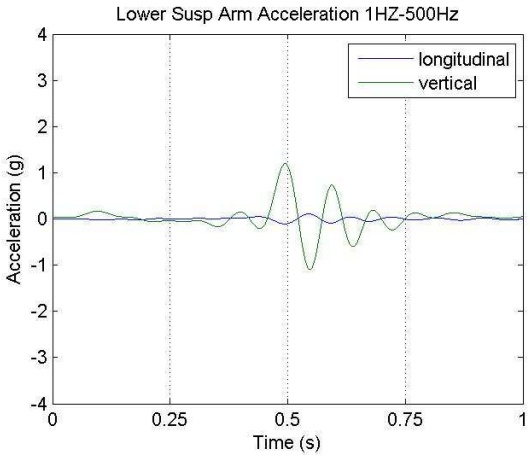
Bridge Structure Number: BSN4282

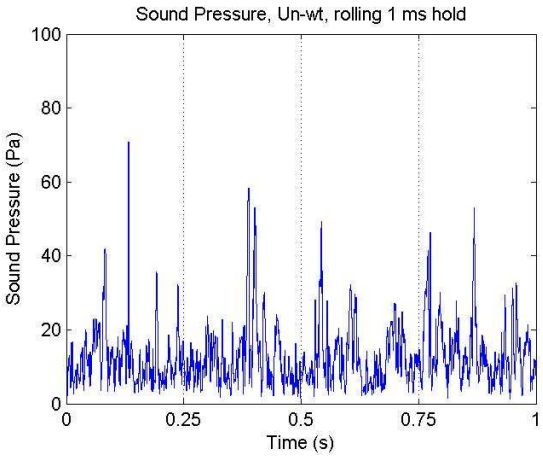
Name: GRAFTON INTERCHANGE BRIDGE 1
Route Position: 1N 427 1.16
Direction: Decreasing
Joint Type: Rubber extrusion + embedded steel plates
Road Surface Type: Asphalt

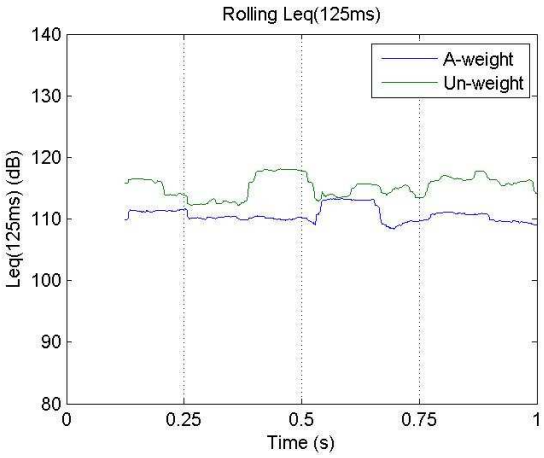
Test Details:

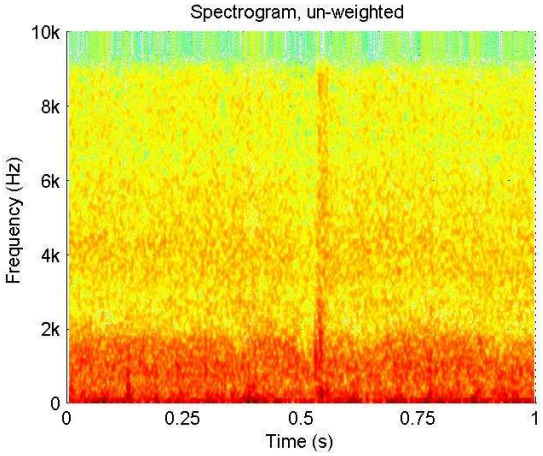
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 5

Latitude: −36.861292
Longitude: 174.762903
Speed (km/h): 81.9









Acceleration − Maximum vertical (g): 1.20
Acceleration − Maximum longitudinal (g): 0.11
Displacement − Maximum vertical (mm): 12.18
Displacement − Maximum longitudinal (mm): 1.10
Noise Peak Sound Pressure (Pa): 70.68
Average sound level, Leq(1s) (dB): 115.53
Average sound level, LAeq(1s) (dB): 110.68
Maximum sound level, Leq(125ms) (dB): 118.12
Maximum sound level, LAeq(125ms) (dBA): 113.27

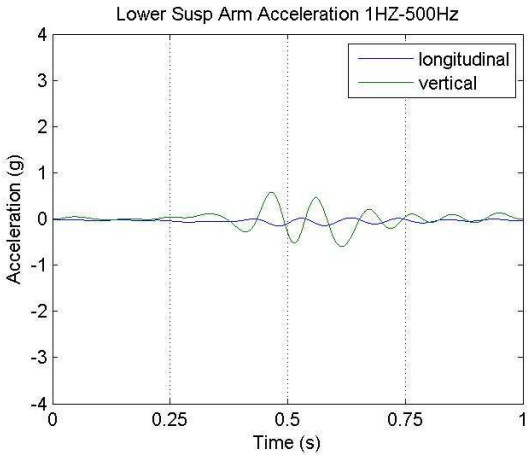
Bridge Structure Number: BSN4283

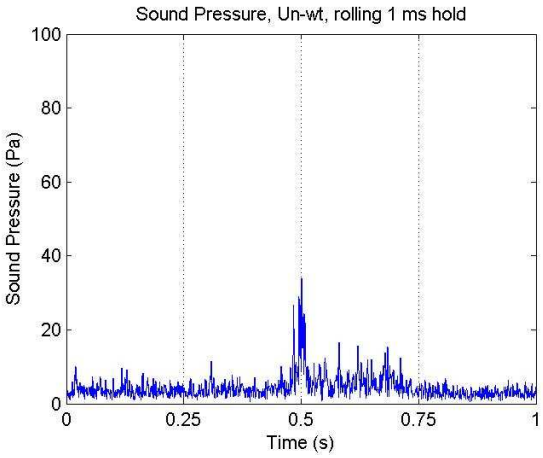
Name: GRAFTON INTERCHANGE 2
Route Position: 1N 0427 1.19
Direction: Increasing
Joint Type: Rubber seals + vertical steel plates
Road Surface Type: Asphalt

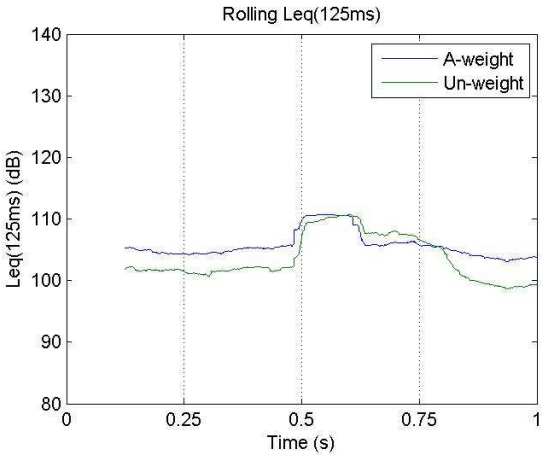
Test Details:

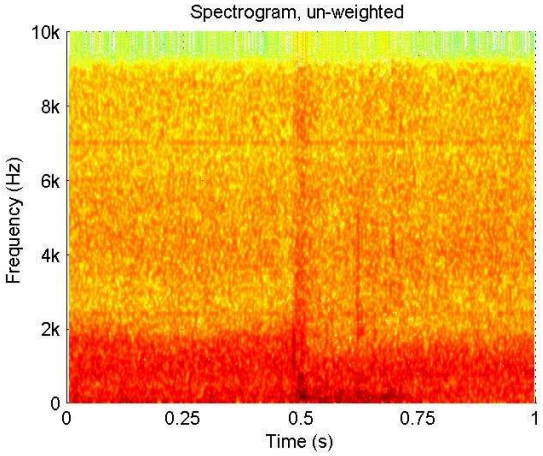
Operator: I.Kvatch
Date: 15−05−13
Time: 09−24−47
Marker No: 3

Latitude: −36.860312
Longitude: 174.762467
Speed (km/h): 77.0









Acceleration − Maximum vertical (g): 0.60
Acceleration − Maximum longitudinal (g): 0.15
Displacement − Maximum vertical (mm): 6.06
Displacement − Maximum longitudinal (mm): 1.54
Noise Peak Sound Pressure (Pa): 33.79
Average sound level, Leq(1s) (dB): 104.97
Average sound level, LAeq(1s) (dB): 106.17
Maximum sound level, Leq(125ms) (dB): 110.68
Maximum sound level, LAeq(125ms) (dBA): 110.74

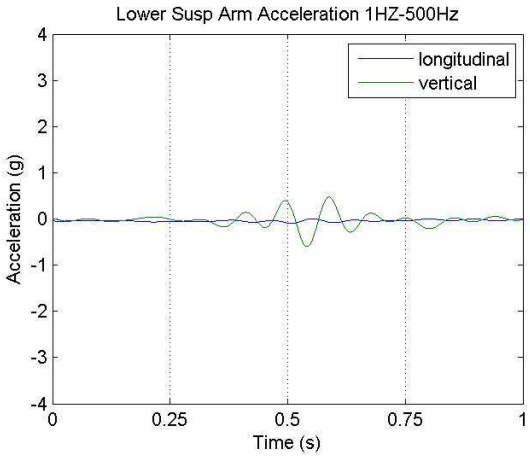
Bridge Structure Number: BSN4287

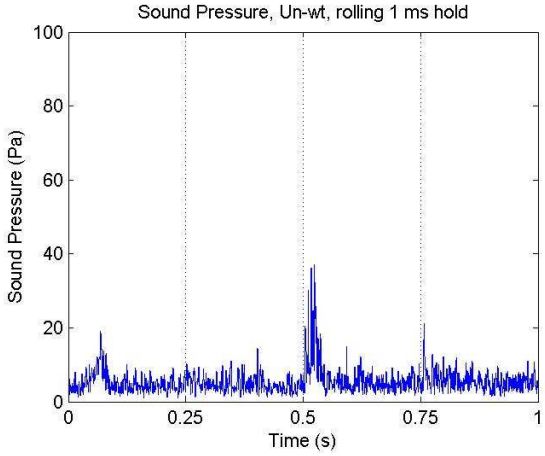
Name: Khyber Pass Viaduct 1 (southbound)
Route Position: 1N 0427 1.64
Direction: Increasing
Joint Type: Rubber seals + vertical steel plates
Road Surface Type: Asphalt

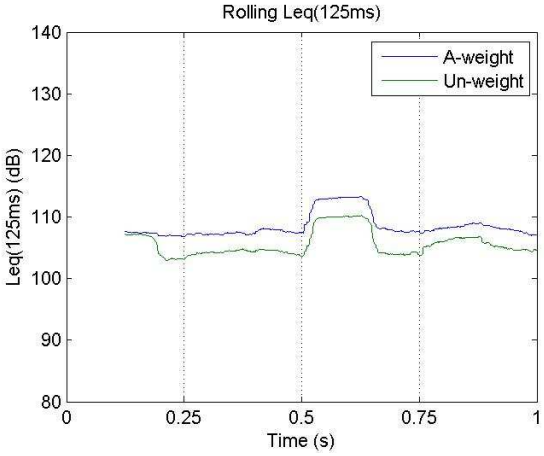
Test Details:

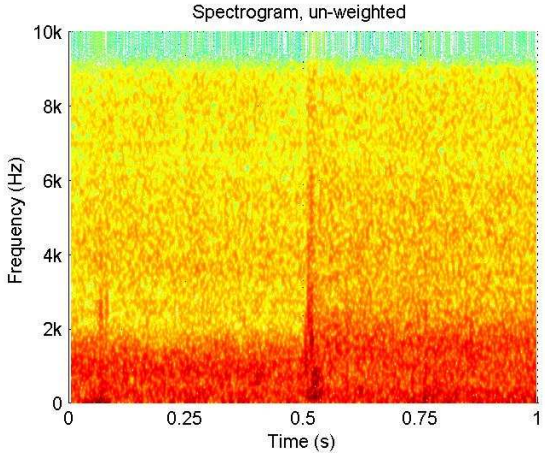
Operator: I.Kvatch
Date: 15−05−13
Time: 09−25−39
Marker No: 1

Latitude: −36.866418
Longitude: 174.767767
Speed (km/h): 70.0









Acceleration − Maximum vertical (g): 0.60
Acceleration − Maximum longitudinal (g): 0.09
Displacement − Maximum vertical (mm): 6.08
Displacement − Maximum longitudinal (mm): 0.94
Noise Peak Sound Pressure (Pa): 37.17
Average sound level, Leq(1s) (dB): 106.17
Average sound level, LAeq(1s) (dB): 108.86
Maximum sound level, Leq(125ms) (dB): 110.22
Maximum sound level, LAeq(125ms) (dBA): 113.31

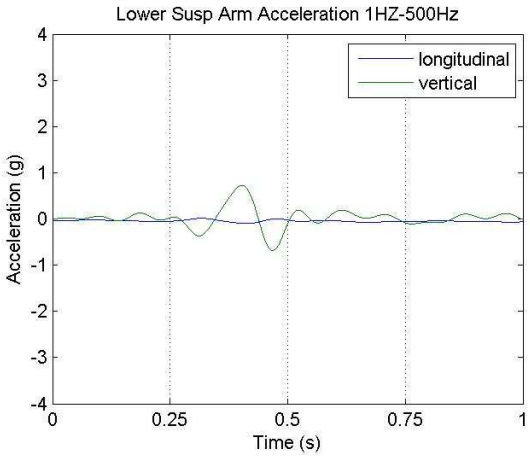
Bridge Structure Number: BSN4287

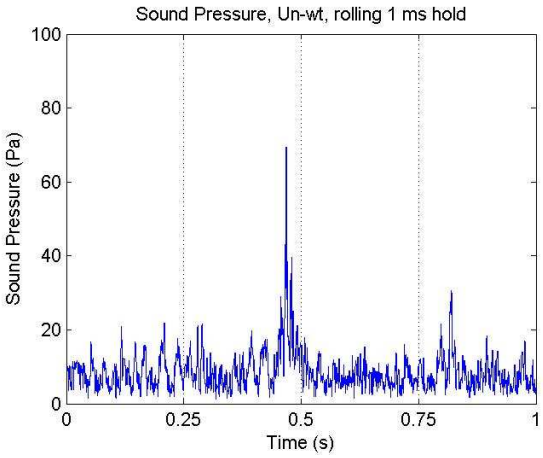
Name: KHYBER PASS VIADUCT 1 (SOUTHBOUND)
Route Position: 1N 427 1.64
Direction: Increasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

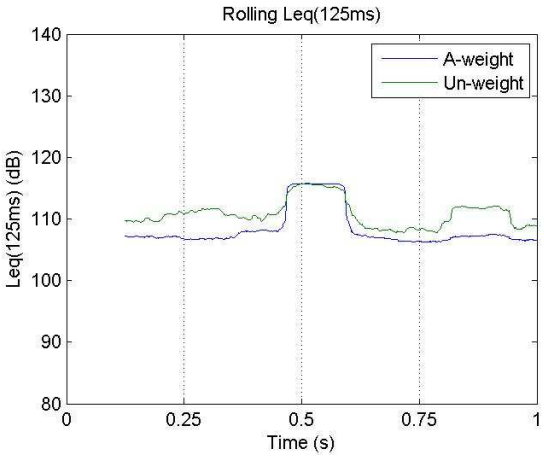
Test Details:

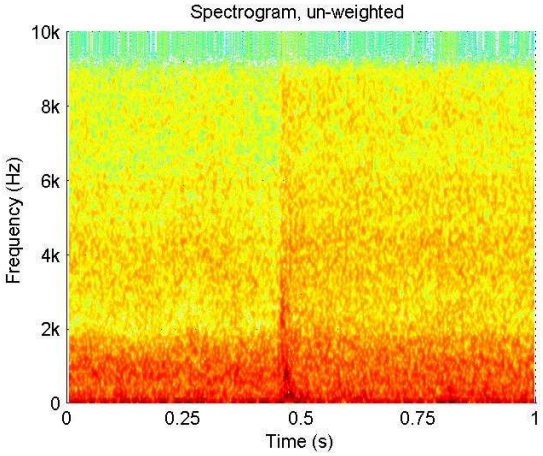
Operator: I.Kvatch
Date: 15−05−13
Time: 12:32:55
Marker No: 5

Latitude: −36.863952
Longitude: 174.766272
Speed (km/h): 80.9









Acceleration − Maximum vertical (g): 0.73
Acceleration − Maximum longitudinal (g): 0.10
Displacement − Maximum vertical (mm): 7.38
Displacement − Maximum longitudinal (mm): 1.01
Noise Peak Sound Pressure (Pa): 69.36
Average sound level, Leq(1s) (dB): 111.25
Average sound level, LAeq(1s) (dB): 109.58
Maximum sound level, Leq(125ms) (dB): 115.83
Maximum sound level, LAeq(125ms) (dBA): 115.71

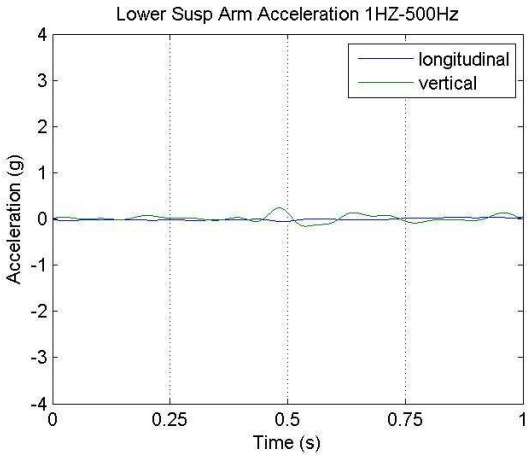
Bridge Structure Number: BSN4288

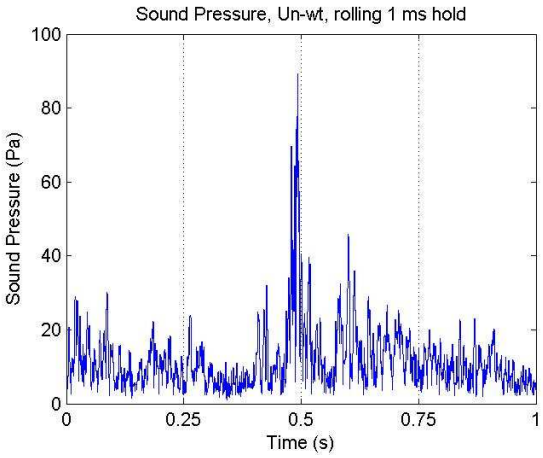
Name: KHYBER PASS VIADUCT 2 (NORTHBOUND)
Route Position: 1N 427 1.64
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

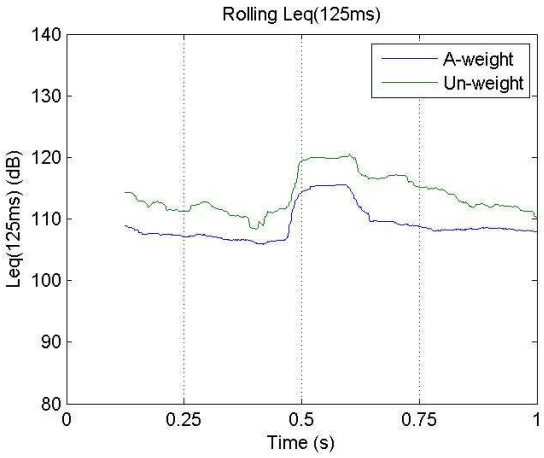
Test Details:

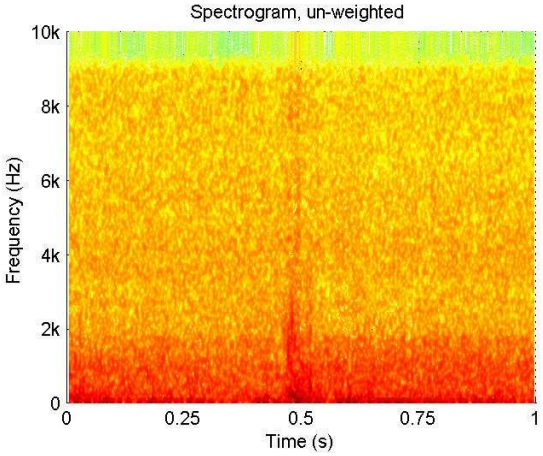
Operator: I.Kvatch
Date: 15−05−13
Time: 12:41:54
Marker No: 1

Latitude: −36.866823
Longitude: 174.767783
Speed (km/h): 75.9









Acceleration − Maximum vertical (g): 0.24
Acceleration − Maximum longitudinal (g): 0.06
Displacement − Maximum vertical (mm): 2.40
Displacement − Maximum longitudinal (mm): 0.58
Noise Peak Sound Pressure (Pa): 89.24
Average sound level, Leq(1s) (dB): 115.00
Average sound level, LAeq(1s) (dB): 110.01
Maximum sound level, Leq(125ms) (dB): 120.48
Maximum sound level, LAeq(125ms) (dBA): 115.59

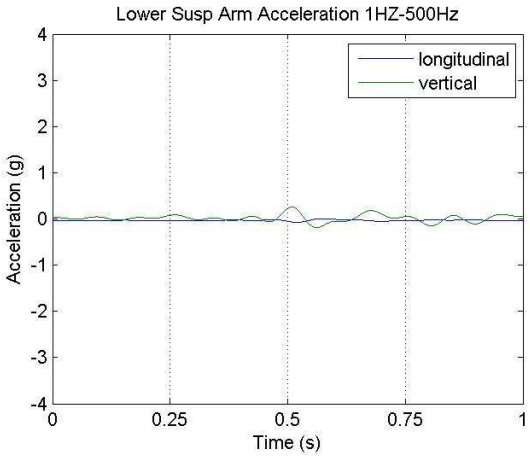
Bridge Structure Number: BSN4288

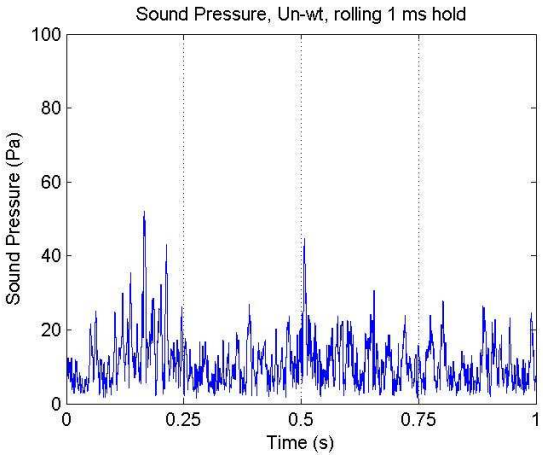
Name: KHYBER PASS VIADUCT 2 (NORTHBOUND)
Route Position: 1N 427 1.64
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

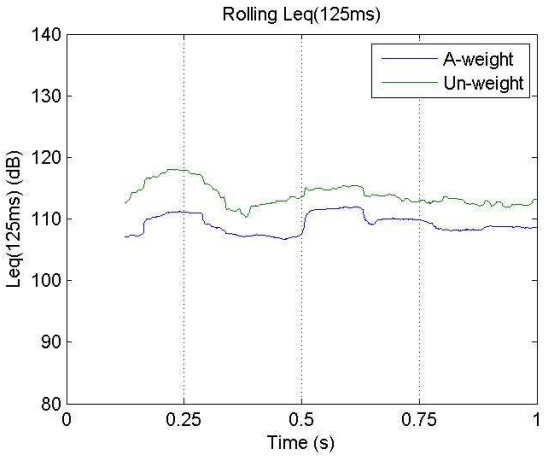
Test Details:

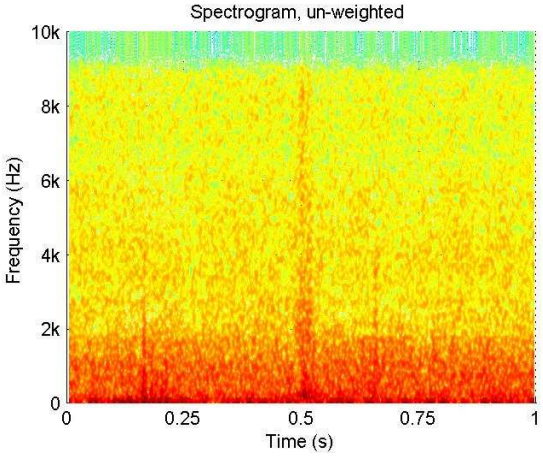
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 1

Latitude: −36.866953
Longitude: 174.767785
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 0.26
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 2.61
Displacement − Maximum longitudinal (mm): 0.74
Noise Peak Sound Pressure (Pa): 52.18
Average sound level, Leq(1s) (dB): 114.09
Average sound level, LAeq(1s) (dB): 109.28
Maximum sound level, Leq(125ms) (dB): 118.10
Maximum sound level, LAeq(125ms) (dBA): 111.96

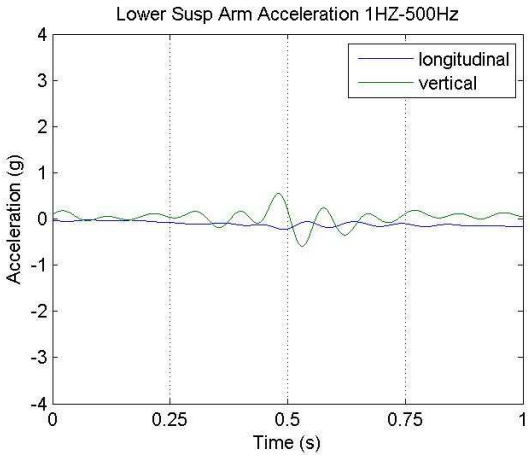
Bridge Structure Number: BSN4288

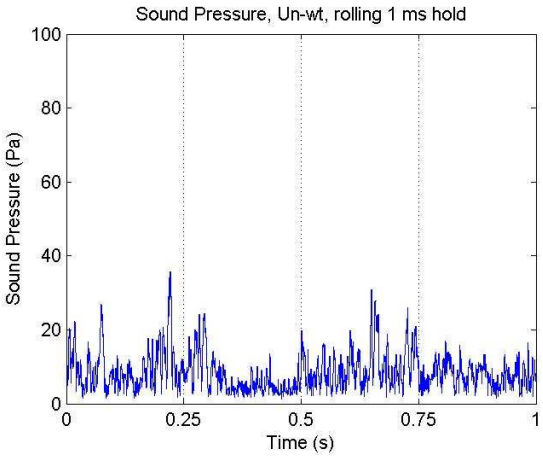
Name: KHYBER PASS VIADUCT 2 (NORTHBOUND)
Route Position: 1N 427 1.64
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

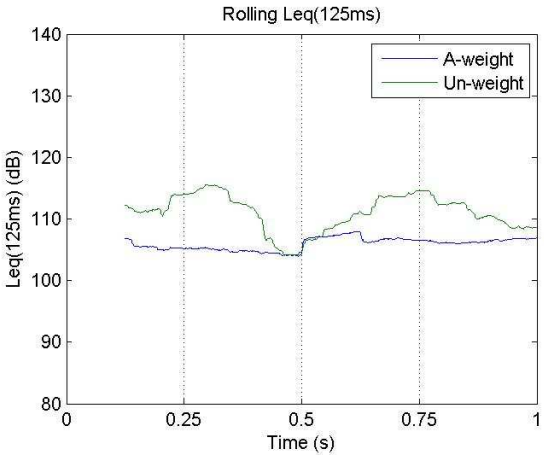
Test Details:

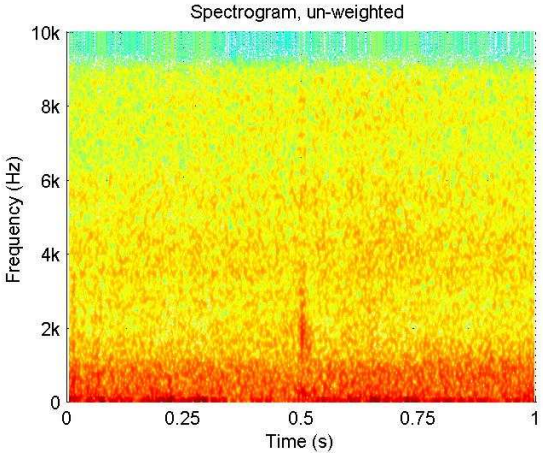
Operator: I.Kvatch
Date: 15−05−13
Time: 12:41:54
Marker No: 2

Latitude: −36.865190
Longitude: 174.767142
Speed (km/h): 72.2









Acceleration − Maximum vertical (g): 0.59
Acceleration − Maximum longitudinal (g): 0.23
Displacement − Maximum vertical (mm): 6.02
Displacement − Maximum longitudinal (mm): 2.30
Noise Peak Sound Pressure (Pa): 35.72
Average sound level, Leq(1s) (dB): 111.78
Average sound level, LAeq(1s) (dB): 106.23
Maximum sound level, Leq(125ms) (dB): 115.58
Maximum sound level, LAeq(125ms) (dBA): 107.97

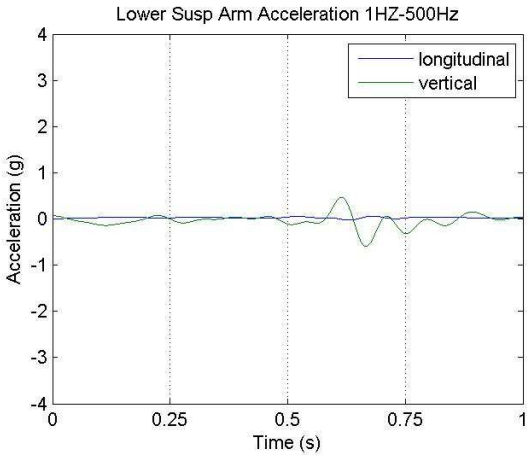
Bridge Structure Number: BSN4288

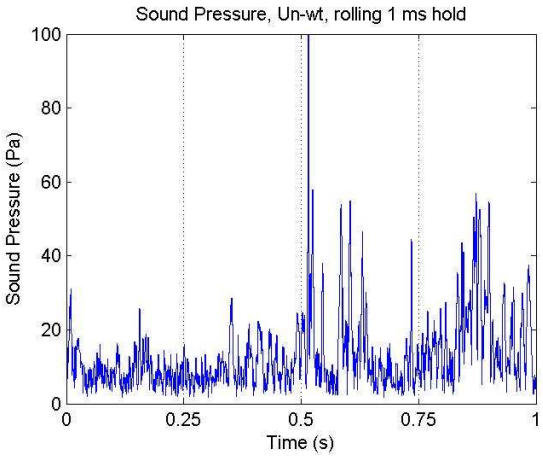
Name: KHYBER PASS VIADUCT 2 (NORTHBOUND)
Route Position: 1N 427 1.64
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

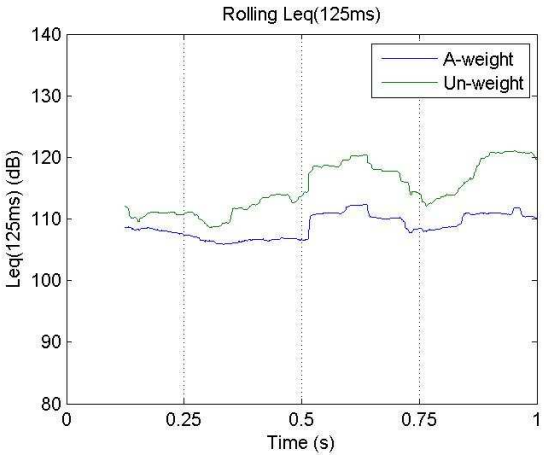
Test Details:

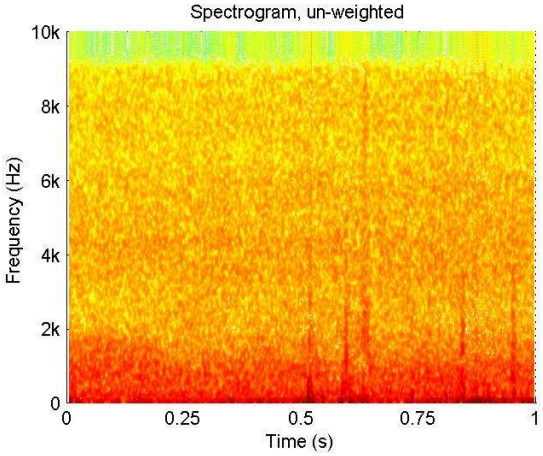
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 2

Latitude: −36.866953
Longitude: 174.767785
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 0.59
Acceleration − Maximum longitudinal (g): 0.06
Displacement − Maximum vertical (mm): 6.00
Displacement − Maximum longitudinal (mm): 0.64
Noise Peak Sound Pressure (Pa): 112.99
Average sound level, Leq(1s) (dB): 116.57
Average sound level, LAeq(1s) (dB): 109.29
Maximum sound level, Leq(125ms) (dB): 121.05
Maximum sound level, LAeq(125ms) (dBA): 112.37

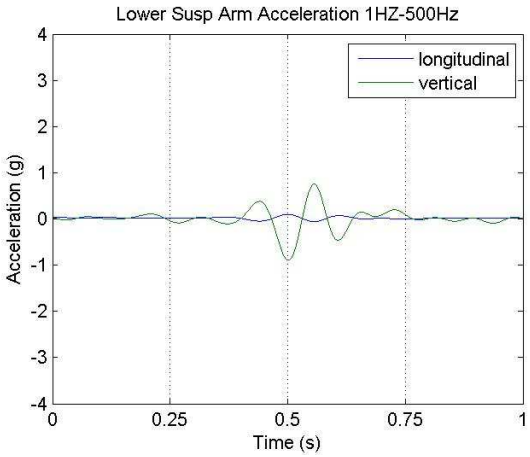
Bridge Structure Number: BSN4288

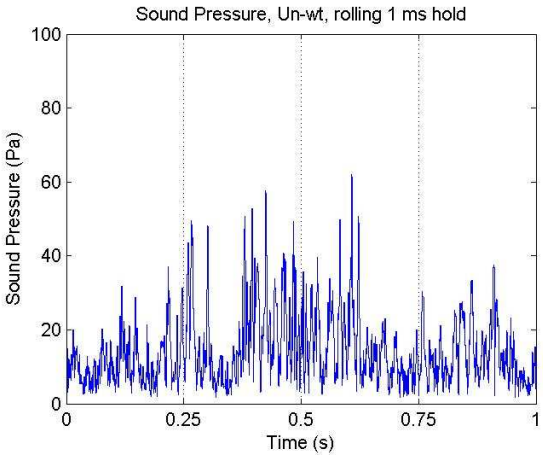
Name: KHYBER PASS VIADUCT 2 (NORTHBOUND)
Route Position: 1N 427 1.64
Direction: Decreasing
Joint Type: Rubber seals + vert. steel plates
Road Surface Type: Asphalt

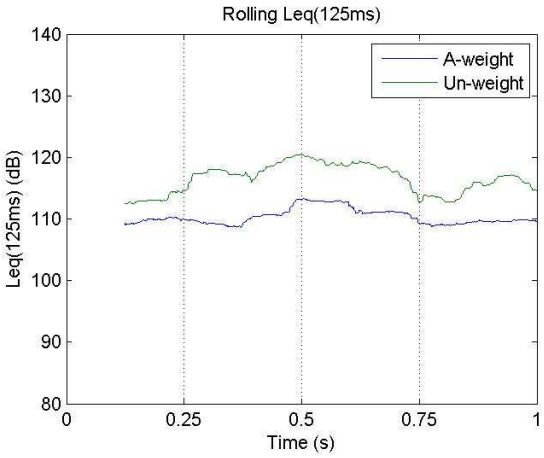
Test Details:

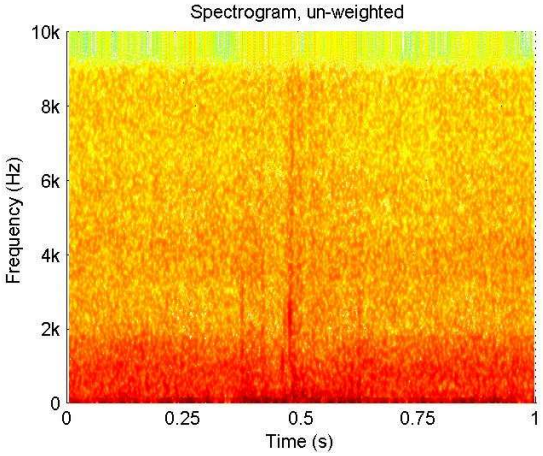
Operator: I.Kvatch
Date: 15−05−13
Time: 13:15:16
Marker No: 3

Latitude: −36.864678
Longitude: 174.766793
Speed (km/h): 80.2









Acceleration − Maximum vertical (g): 0.89
Acceleration − Maximum longitudinal (g): 0.10
Displacement − Maximum vertical (mm): 9.04
Displacement − Maximum longitudinal (mm): 0.99
Noise Peak Sound Pressure (Pa): 61.90
Average sound level, Leq(1s) (dB): 116.77
Average sound level, LAeq(1s) (dB): 110.40
Maximum sound level, Leq(125ms) (dB): 120.44
Maximum sound level, LAeq(125ms) (dBA): 113.33

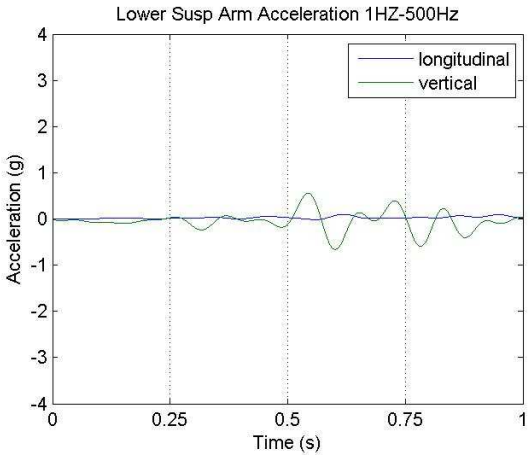
Bridge Structure Number: BSN4299

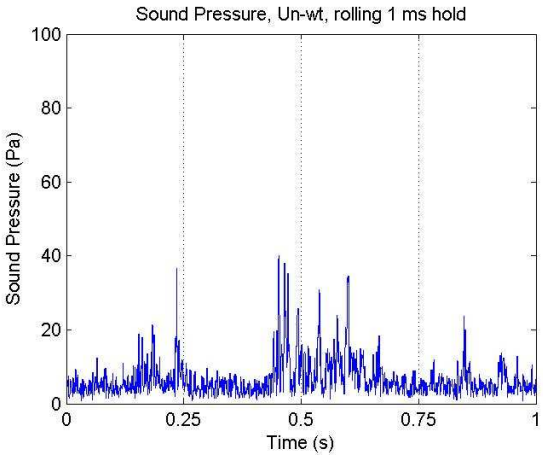
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

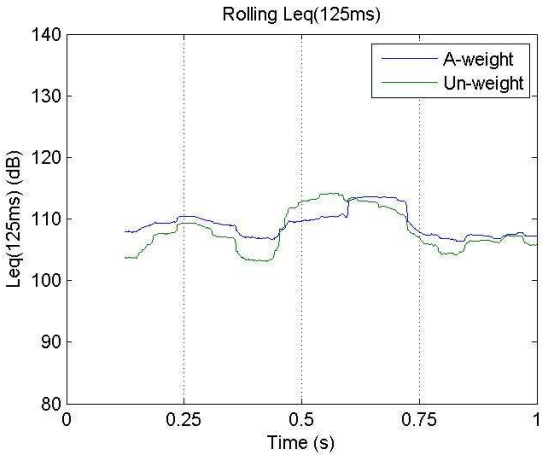
Test Details:

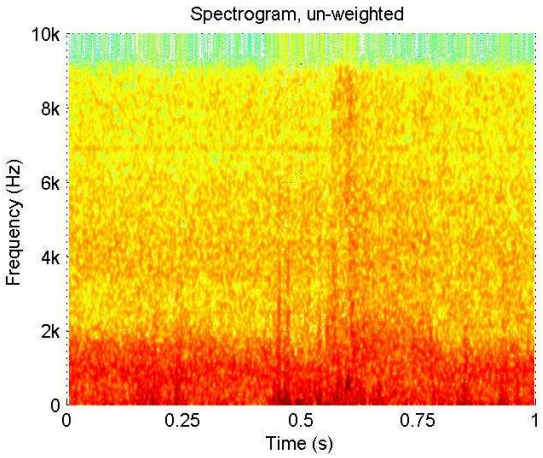
Operator: I.Kvatch
Date: 15−05−13
Time: 09−26−24
Marker No: 1

Latitude: −36.872238
Longitude: 174.774345
Speed (km/h): 77.0









Acceleration − Maximum vertical (g): 0.66
Acceleration − Maximum longitudinal (g): 0.10
Displacement − Maximum vertical (mm): 6.69
Displacement − Maximum longitudinal (mm): 1.03
Noise Peak Sound Pressure (Pa): 40.11
Average sound level, Leq(1s) (dB): 109.07
Average sound level, LAeq(1s) (dB): 109.49
Maximum sound level, Leq(125ms) (dB): 114.27
Maximum sound level, LAeq(125ms) (dBA): 113.60

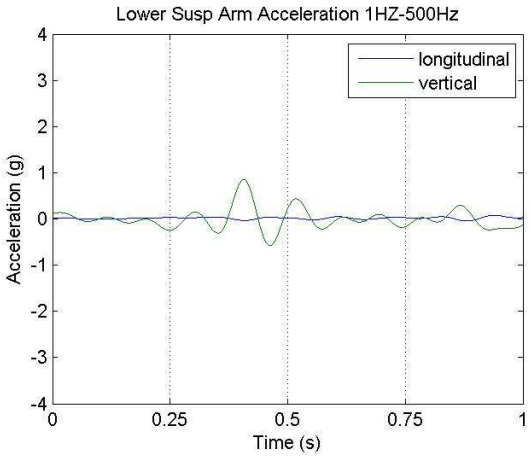
Bridge Structure Number: BSN4299

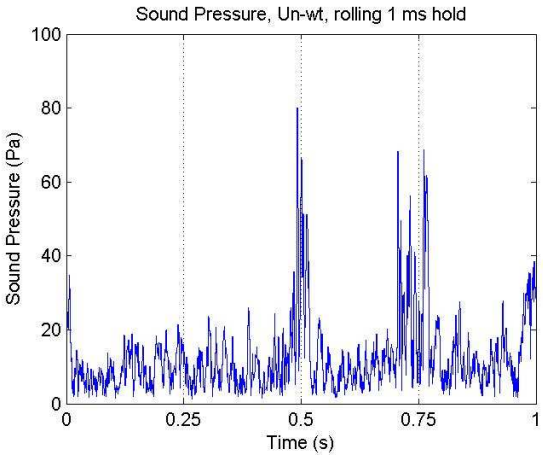
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

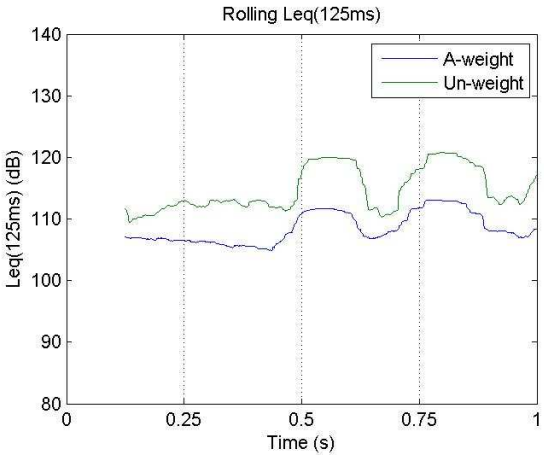
Test Details:

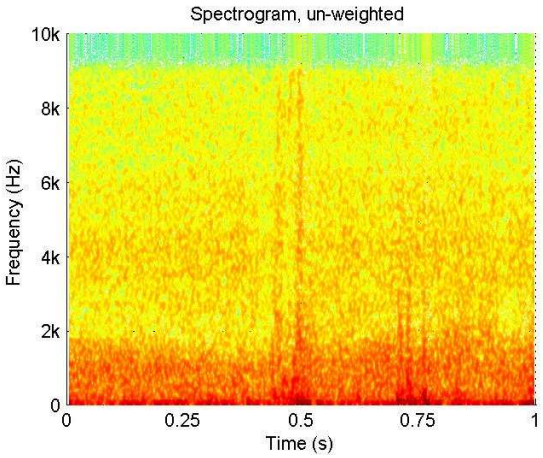
Operator: I.Kvatch
Date: 15−05−13
Time: 12:34:55
Marker No: 1

Latitude: −36.872335
Longitude: 174.774378
Speed (km/h): 78.9









Acceleration − Maximum vertical (g): 0.85
Acceleration − Maximum longitudinal (g): 0.08
Displacement − Maximum vertical (mm): 8.66
Displacement − Maximum longitudinal (mm): 0.79
Noise Peak Sound Pressure (Pa): 80.06
Average sound level, Leq(1s) (dB): 116.41
Average sound level, LAeq(1s) (dB): 109.15
Maximum sound level, Leq(125ms) (dB): 120.78
Maximum sound level, LAeq(125ms) (dBA): 113.09

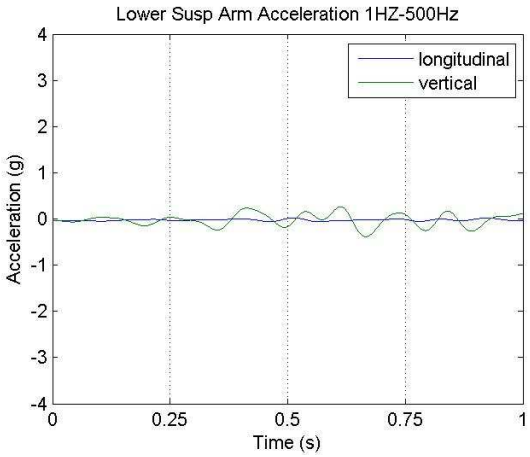
Bridge Structure Number: BSN4299

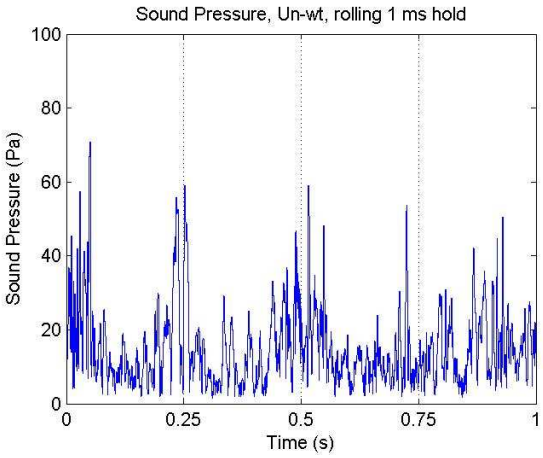
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

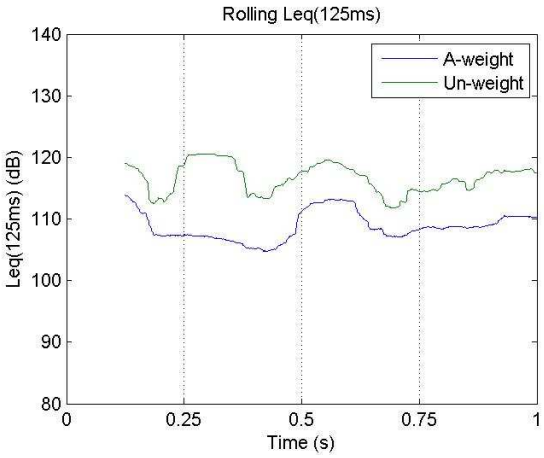
Test Details:

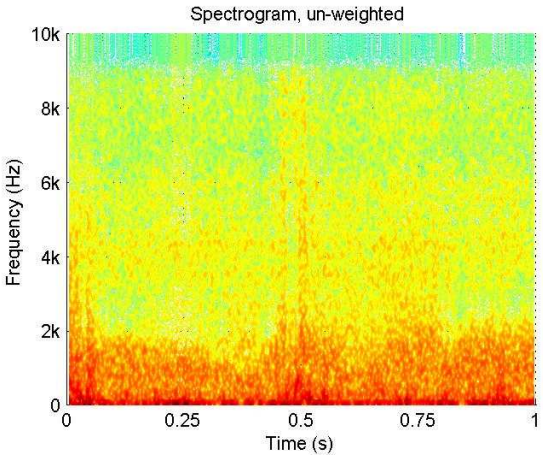
Operator: I.Kvatch
Date: 15−05−13
Time: 13:09:49
Marker No: 1

Latitude: −36.872225
Longitude: 174.774252
Speed (km/h): 79.3









Acceleration − Maximum vertical (g): 0.39
Acceleration − Maximum longitudinal (g): 0.06
Displacement − Maximum vertical (mm): 3.90
Displacement − Maximum longitudinal (mm): 0.60
Noise Peak Sound Pressure (Pa): 70.76
Average sound level, Leq(1s) (dB): 117.49
Average sound level, LAeq(1s) (dB): 110.17
Maximum sound level, Leq(125ms) (dB): 120.58
Maximum sound level, LAeq(125ms) (dBA): 113.83

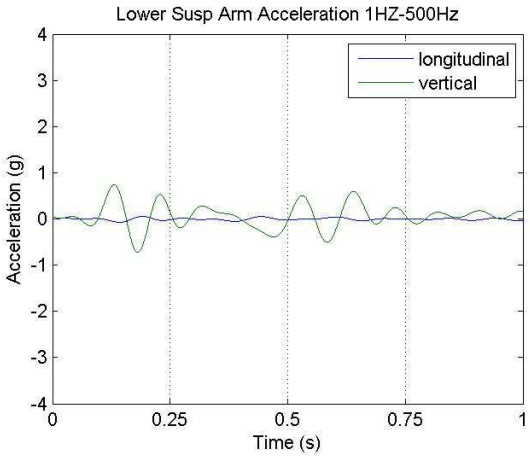
Bridge Structure Number: BSN4299

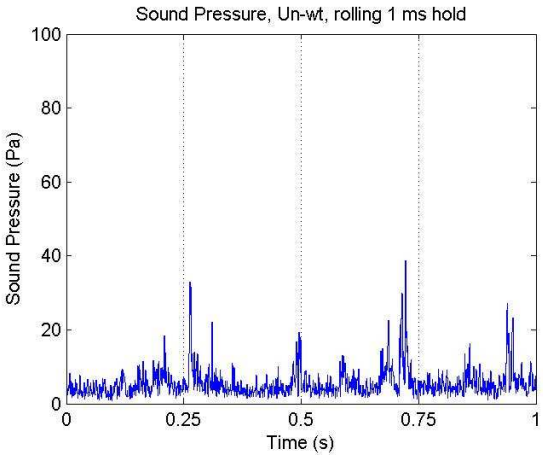
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

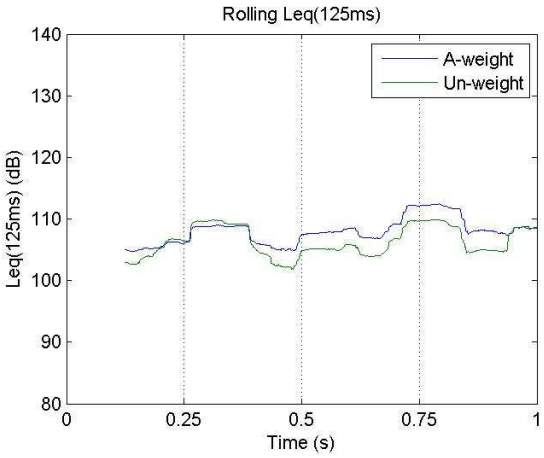
Test Details:

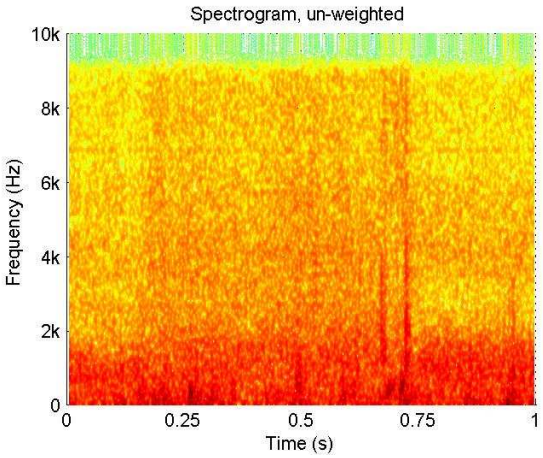
Operator: I.Kvatch
Date: 15−05−13
Time: 09:26:24
Marker No: 2

Latitude: −36.874012
Longitude: 174.778462
Speed (km/h): 79.5









Acceleration − Maximum vertical (g): 0.74
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 7.53
Displacement − Maximum longitudinal (mm): 0.73
Noise Peak Sound Pressure (Pa): 38.78
Average sound level, Leq(1s) (dB): 106.94
Average sound level, LAeq(1s) (dB): 108.42
Maximum sound level, Leq(125ms) (dB): 109.91
Maximum sound level, LAeq(125ms) (dBA): 112.44

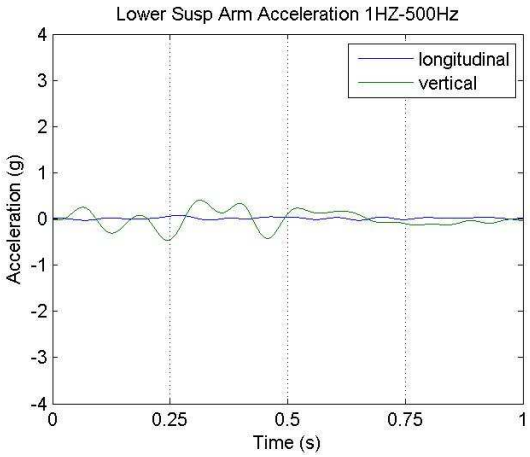
Bridge Structure Number: BSN4299

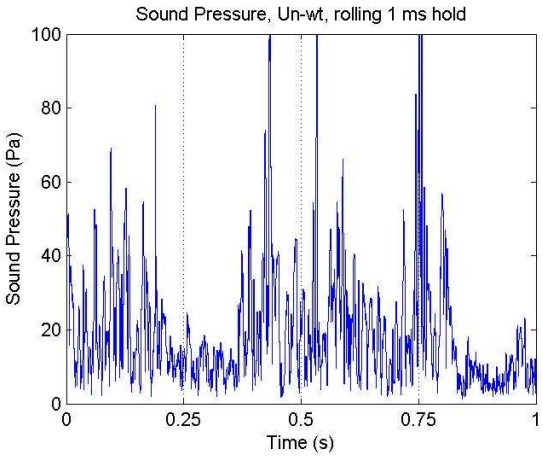
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

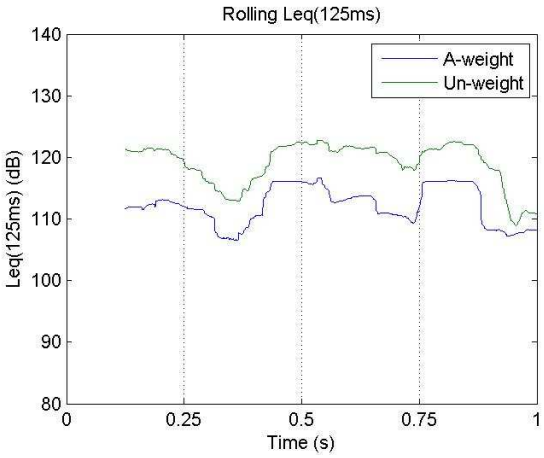
Test Details:

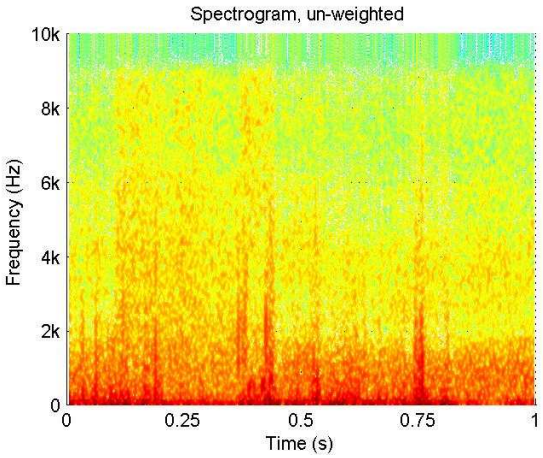
Operator: I.Kvatch
Date: 15−05−13
Time: 12:34:55
Marker No: 2

Latitude: −36.875673
Longitude: 174.780718
Speed (km/h): 79.3









Acceleration − Maximum vertical (g): 0.46
Acceleration − Maximum longitudinal (g): 0.08
Displacement − Maximum vertical (mm): 4.69
Displacement − Maximum longitudinal (mm): 0.77
Noise Peak Sound Pressure (Pa): 126.27
Average sound level, Leq(1s) (dB): 119.92
Average sound level, LAeq(1s) (dB): 112.87
Maximum sound level, Leq(125ms) (dB): 122.81
Maximum sound level, LAeq(125ms) (dBA): 116.72

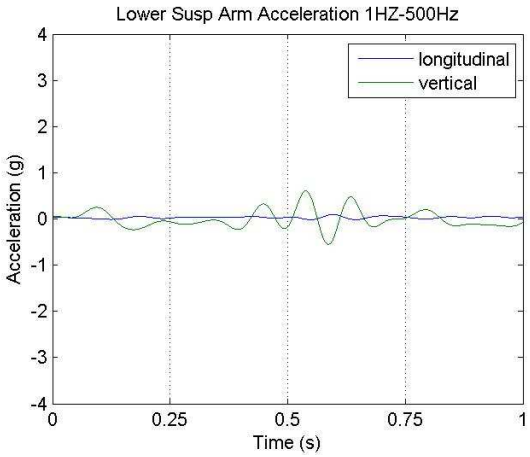
Bridge Structure Number: BSN4299

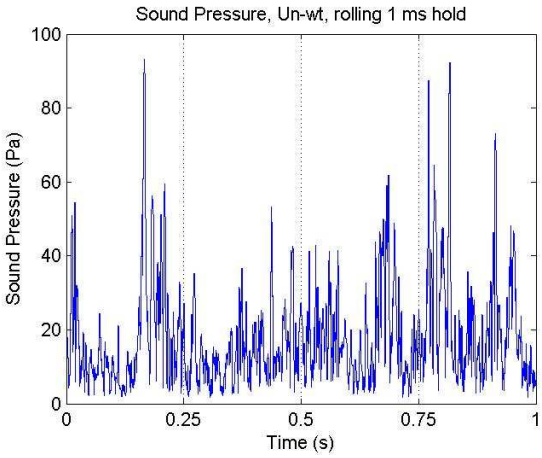
Name: Newmarket Viaduct 1
Route Position: 1N 0427 2.75
Direction: Increasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

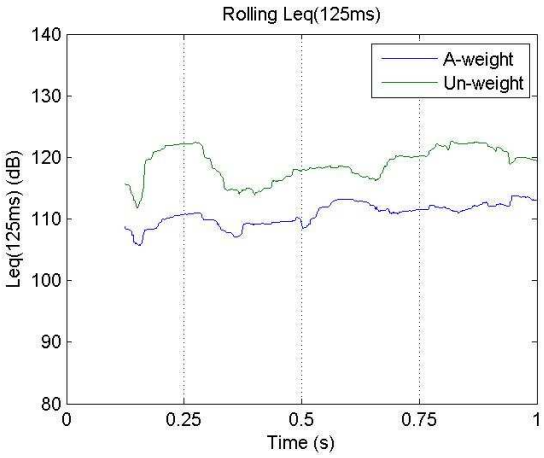
Test Details:

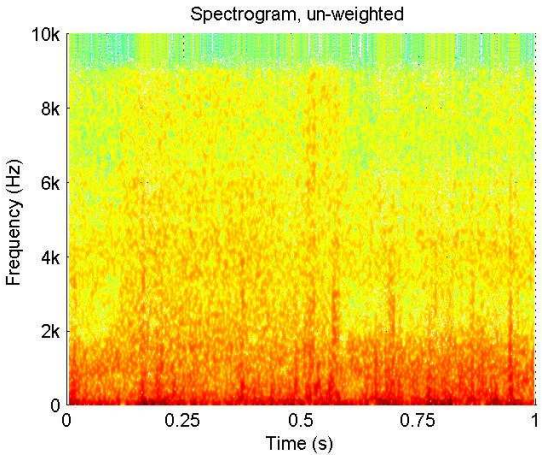
Operator: I.Kvatch
Date: 15−05−13
Time: 13:09:49
Marker No: 2

Latitude: −36.874588
Longitude: 174.779425
Speed (km/h): 79.8









Acceleration − Maximum vertical (g): 0.61
Acceleration − Maximum longitudinal (g): 0.09
Displacement − Maximum vertical (mm): 6.18
Displacement − Maximum longitudinal (mm): 0.96
Noise Peak Sound Pressure (Pa): 93.30
Average sound level, Leq(1s) (dB): 119.49
Average sound level, LAeq(1s) (dB): 111.18
Maximum sound level, Leq(125ms) (dB): 122.65
Maximum sound level, LAeq(125ms) (dBA): 113.76

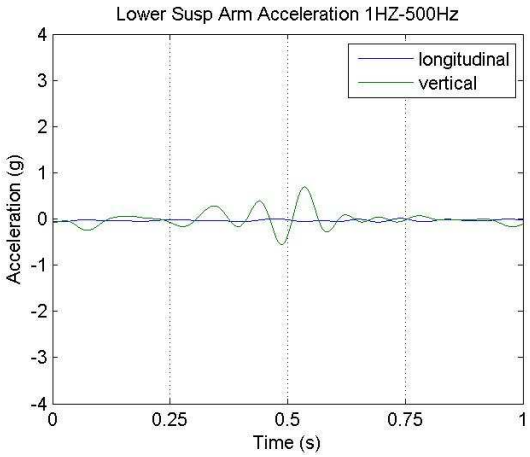
Bridge Structure Number: BSN4300

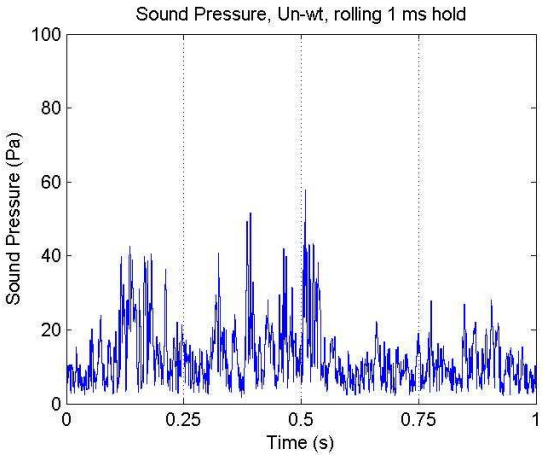
Name: Newmarket Viaduct 2
Route Position: 1N 0427 2.75
Direction: Decreasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

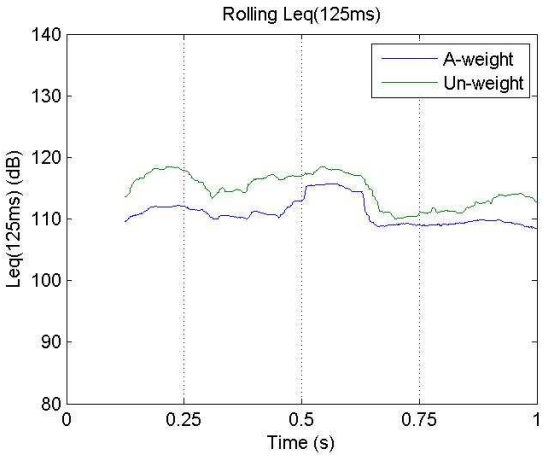
Test Details:

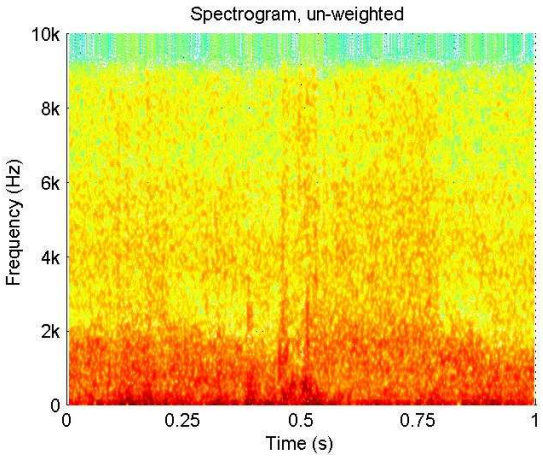
Operator: I.Kvatch
Date: 15−05−13
Time: 12:39:59
Marker No: 1

Latitude: −36.876095
Longitude: 174.780925
Speed (km/h): 79.5









Acceleration − Maximum vertical (g): 0.69
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 7.04
Displacement − Maximum longitudinal (mm): 0.69
Noise Peak Sound Pressure (Pa): 57.77
Average sound level, Leq(1s) (dB): 115.13
Average sound level, LAeq(1s) (dB): 111.28
Maximum sound level, Leq(125ms) (dB): 118.47
Maximum sound level, LAeq(125ms) (dBA): 115.66

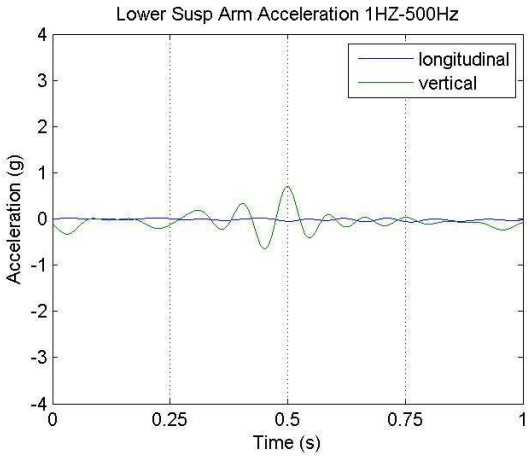
Bridge Structure Number: BSN4300

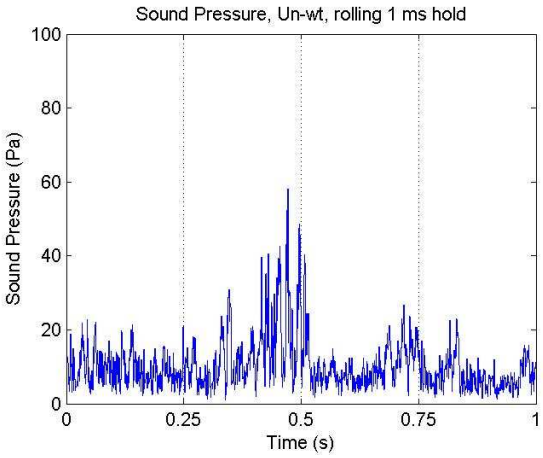
Name: Newmarket Viaduct 2
Route Position: 1N 0427 2.75
Direction: Decreasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

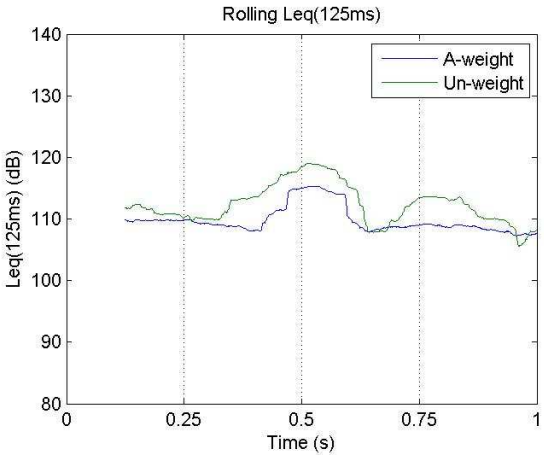
Test Details:

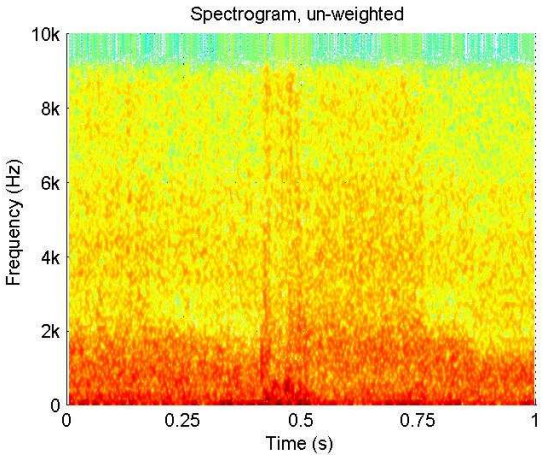
Operator: I.Kvatch
Date: 15−05−13
Time: 13:13:30
Marker No: 1

Latitude: −36.877638
Longitude: 174.782210
Speed (km/h): 78.3









Acceleration − Maximum vertical (g): 0.70
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 7.14
Displacement − Maximum longitudinal (mm): 0.68
Noise Peak Sound Pressure (Pa): 58.15
Average sound level, Leq(1s) (dB): 113.38
Average sound level, LAeq(1s) (dB): 110.33
Maximum sound level, Leq(125ms) (dB): 119.04
Maximum sound level, LAeq(125ms) (dBA): 115.25

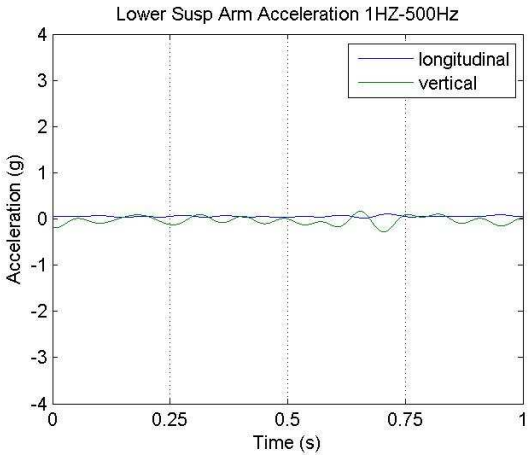
Bridge Structure Number: BSN4300

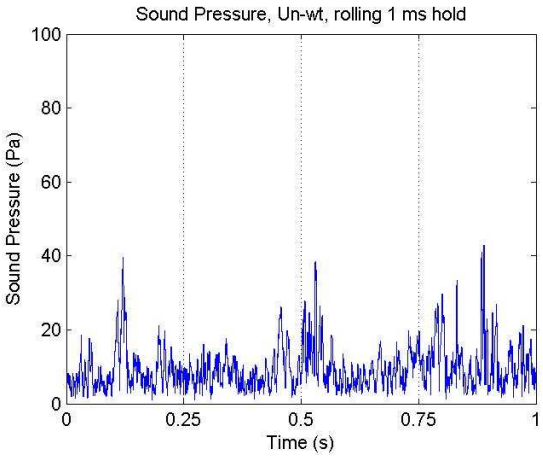
Name: Newmarket Viaduct 2
Route Position: 1N 0427 2.75
Direction: Decreasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

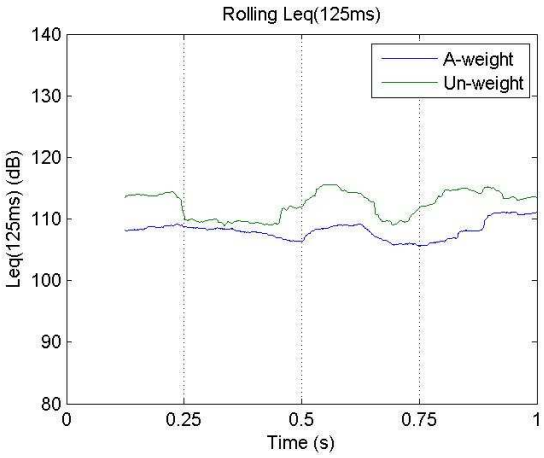
Test Details:

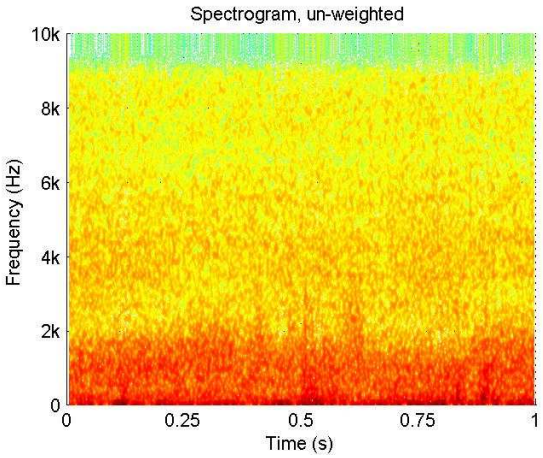
Operator: I.Kvatch
Date: 15−05−13
Time: 12:39:59
Marker No: 2

Latitude: −36.872542
Longitude: 174.774505
Speed (km/h): 78.5









Acceleration − Maximum vertical (g): 0.28
Acceleration − Maximum longitudinal (g): 0.11
Displacement − Maximum vertical (mm): 2.86
Displacement − Maximum longitudinal (mm): 1.08
Noise Peak Sound Pressure (Pa): 42.80
Average sound level, Leq(1s) (dB): 112.70
Average sound level, LAeq(1s) (dB): 108.43
Maximum sound level, Leq(125ms) (dB): 115.62
Maximum sound level, LAeq(125ms) (dBA): 111.13

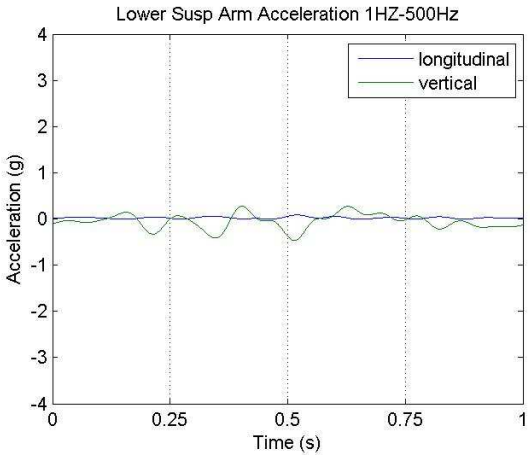
Bridge Structure Number: BSN4300

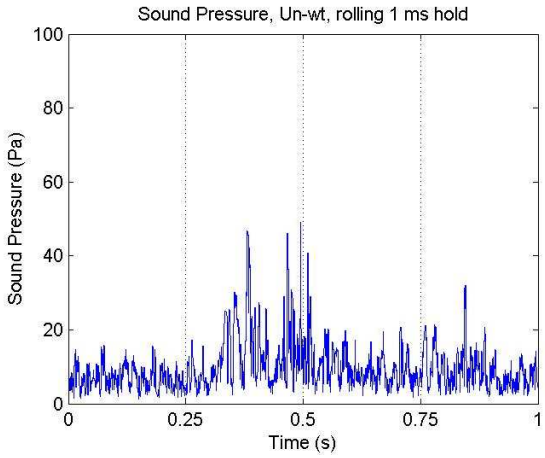
Name: Newmarket Viaduct 2
Route Position: 1N 0427 2.75
Direction: Decreasing
Joint Type: Steel finger joint with or without rubber
Road Surface Type: Chip seal

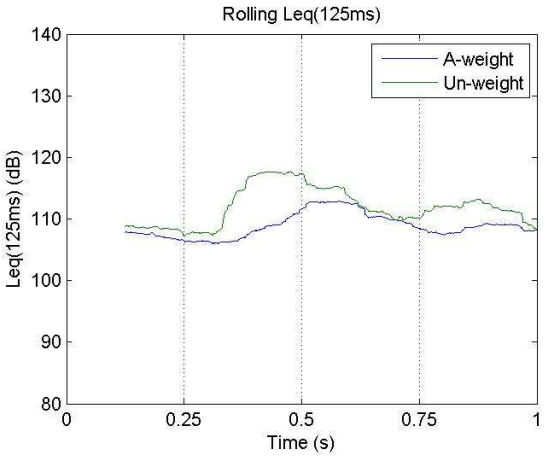
Test Details:

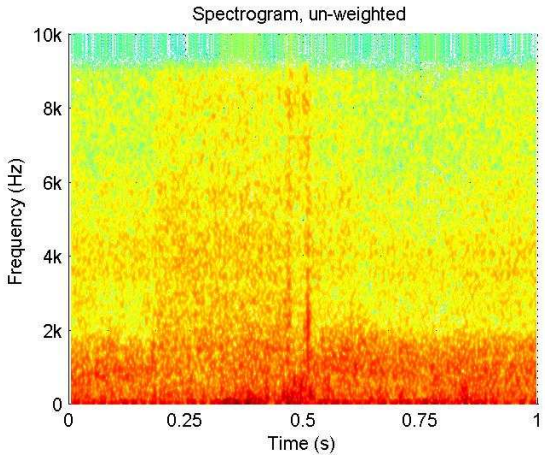
Operator: I.Kvatch
Date: 15−05−13
Time: 13:13:30
Marker No: 2

Latitude: −36.873852
Longitude: 174.777593
Speed (km/h): 79.8









Acceleration − Maximum vertical (g): 0.47
Acceleration − Maximum longitudinal (g): 0.09
Displacement − Maximum vertical (mm): 4.72
Displacement − Maximum longitudinal (mm): 0.88
Noise Peak Sound Pressure (Pa): 49.16
Average sound level, Leq(1s) (dB): 112.74
Average sound level, LAeq(1s) (dB): 109.20
Maximum sound level, Leq(125ms) (dB): 117.77
Maximum sound level, LAeq(125ms) (dBA): 112.91

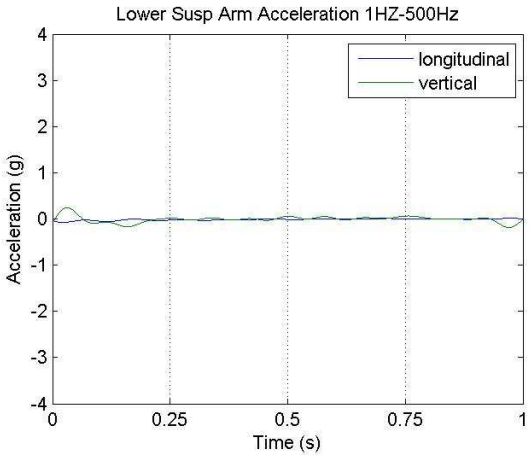
Bridge Structure Number: BSN4531

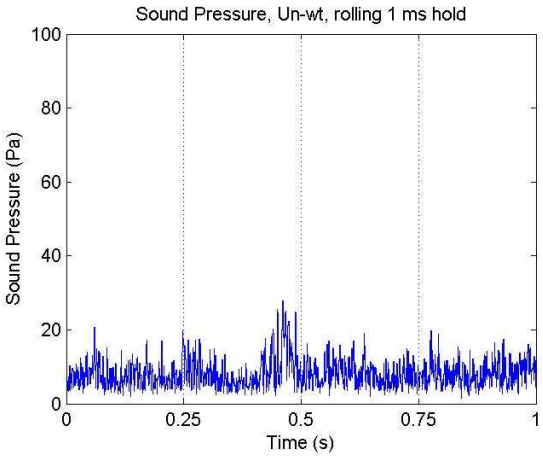
Name: Papakura Stream
Route Position: 1N 0448 5.12
Direction: Increasing
Joint Type: Steel sliding plate
Road Surface Type: Asphalt

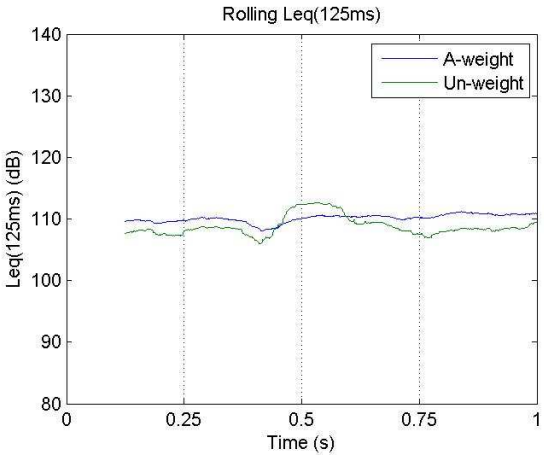
Test Details:

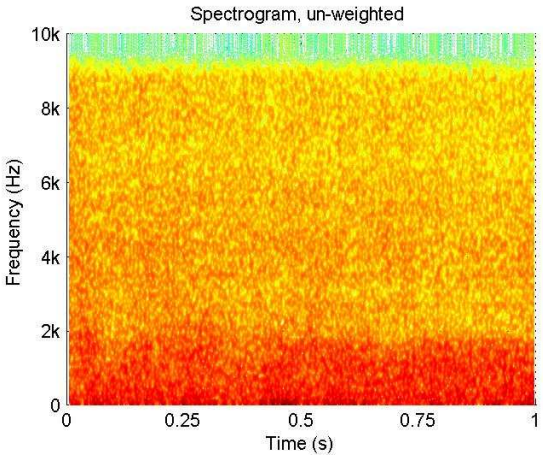
Operator: I.Kvatch
Date: 15−05−13
Time: 09−40−20
Marker No: 1

Latitude: −37.029315
Longitude: 174.910150
Speed (km/h): 89.8









Acceleration − Maximum vertical (g): 0.24
Acceleration − Maximum longitudinal (g): 0.07
Displacement − Maximum vertical (mm): 2.48
Displacement − Maximum longitudinal (mm): 0.75
Noise Peak Sound Pressure (Pa): 27.83
Average sound level, Leq(1s) (dB): 109.11
Average sound level, LAeq(1s) (dB): 110.20
Maximum sound level, Leq(125ms) (dB): 112.63
Maximum sound level, LAeq(125ms) (dBA): 111.22

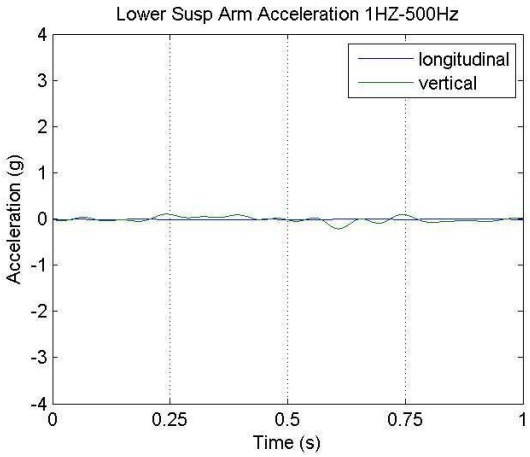
Bridge Structure Number: BSN4533

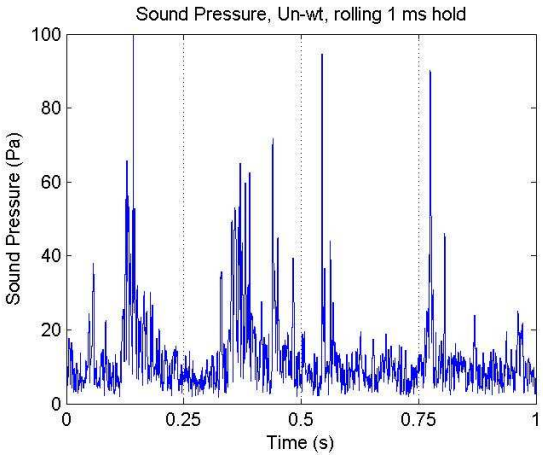
Name: NIMT RAIL OVERBRIDGE No.1
Route Position: 1N 448 5.38
Direction: Increasing
Joint Type: rubber seal (solid)
Road Surface Type: Asphalt

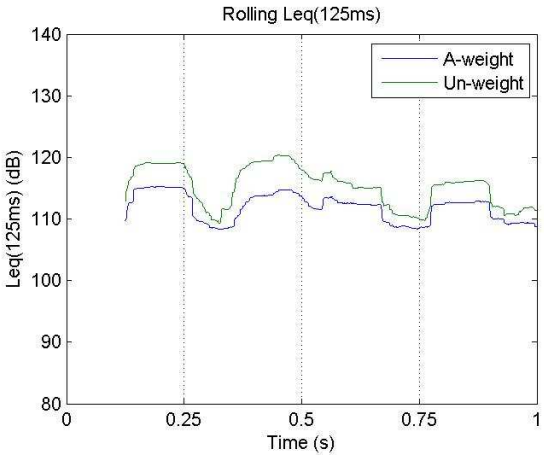
Test Details:

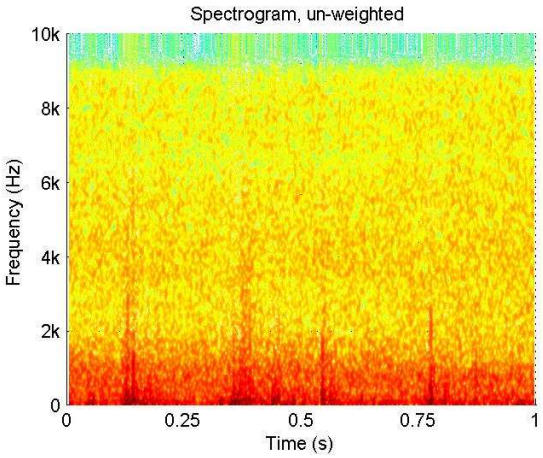
Operator: I.Kvatch
Date: 15−05−13
Time: 09−40−20
Marker No: 2

Latitude: −37.032230
Longitude: 174.910162
Speed (km/h): 79.3









Acceleration − Maximum vertical (g): 0.21
Acceleration − Maximum longitudinal (g): 0.03
Displacement − Maximum vertical (mm): 2.16
Displacement − Maximum longitudinal (mm): 0.27
Noise Peak Sound Pressure (Pa): 111.83
Average sound level, Leq(1s) (dB): 116.05
Average sound level, LAeq(1s) (dB): 112.13
Maximum sound level, Leq(125ms) (dB): 120.41
Maximum sound level, LAeq(125ms) (dBA): 115.25

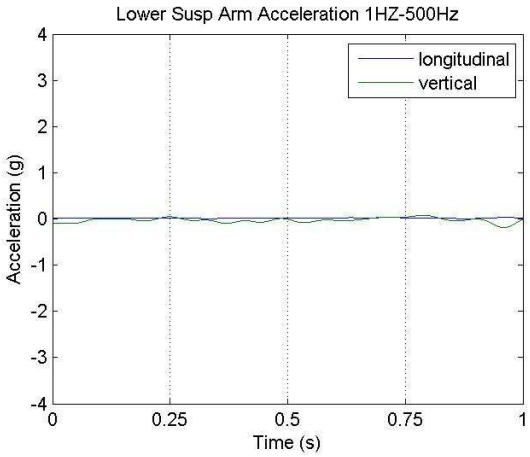
Bridge Structure Number: BSN4535

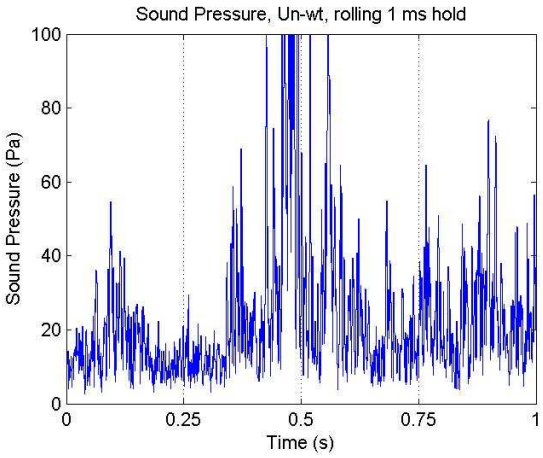
Name: GREAT SOUTH ROAD BRIDGE No.1
Route Position: 1N 448 5.63
Direction: Increasing
Joint Type: rubber seal (solid)
Road Surface Type: Asphalt

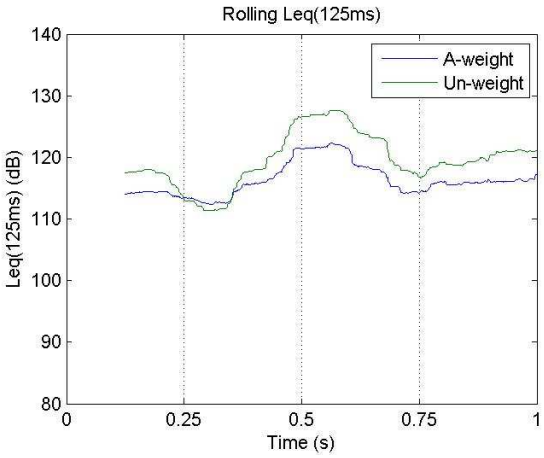
Test Details:

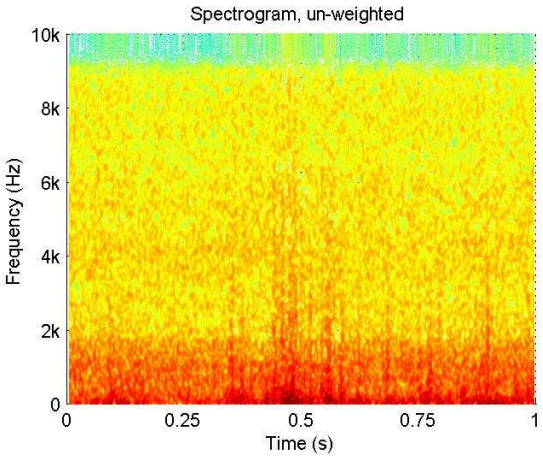
Operator: I.Kvatch
Date: 15−05−13
Time: 09−44−01
Marker No: 1

Latitude: −37.051585
Longitude: 174.917757
Speed (km/h): 105.6









Acceleration − Maximum vertical (g): 0.19
Acceleration − Maximum longitudinal (g): 0.03
Displacement − Maximum vertical (mm): 1.91
Displacement − Maximum longitudinal (mm): 0.34
Noise Peak Sound Pressure (Pa): 147.21
Average sound level, Leq(1s) (dB): 121.38
Average sound level, LAeq(1s) (dB): 117.11
Maximum sound level, Leq(125ms) (dB): 127.66
Maximum sound level, LAeq(125ms) (dBA): 122.33

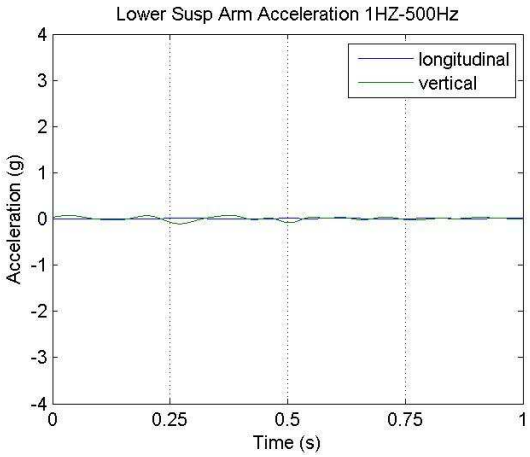
Bridge Structure Number: BSN4564

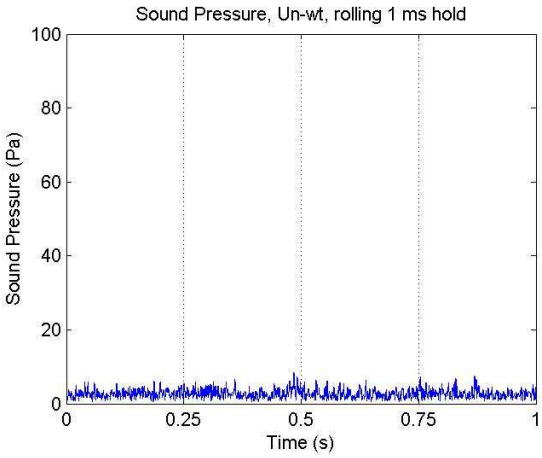
Name: Pahurehure Inlet control stream
Route Position: 1N 0448 8.38
Direction: Decreasing
Joint Type: Air gap
Road Surface Type: Other

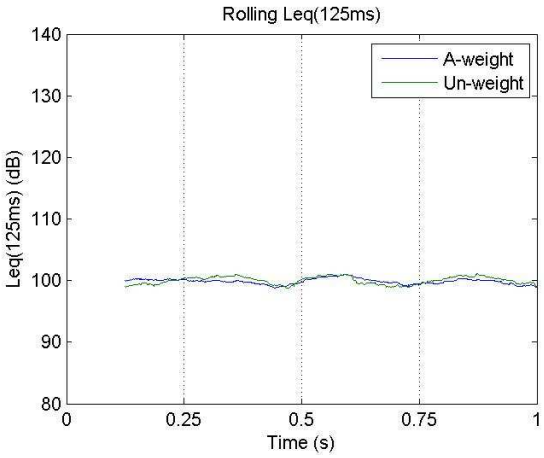
Test Details:

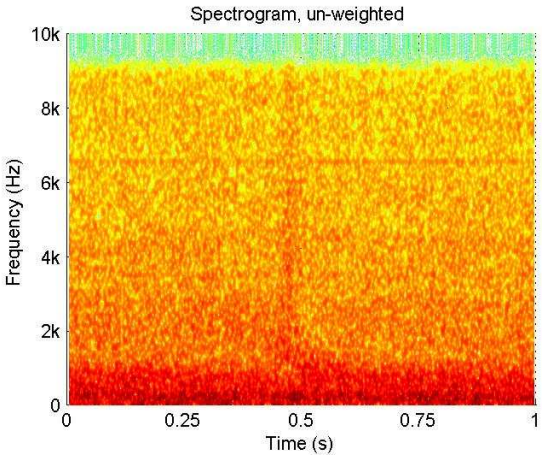
Operator: I.Kvatch
Date: 15−05−13
Time: 10−01−11
Marker No: 1

Latitude: −37.037747
Longitude: 174.910068
Speed (km/h): 71.3









Acceleration − Maximum vertical (g): 0.10
Acceleration − Maximum longitudinal (g): 0.02
Displacement − Maximum vertical (mm): 1.05
Displacement − Maximum longitudinal (mm): 0.22
Noise Peak Sound Pressure (Pa): 8.34
Average sound level, Leq(1s) (dB): 99.95
Average sound level, LAeq(1s) (dB): 99.85
Maximum sound level, Leq(125ms) (dB): 101.13
Maximum sound level, LAeq(125ms) (dBA): 101.04

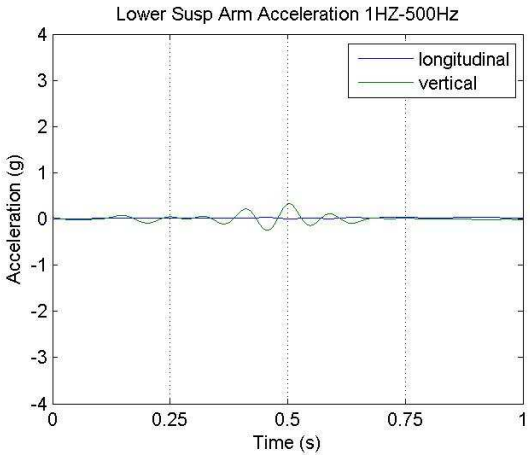
Bridge Structure Number: BSN4564

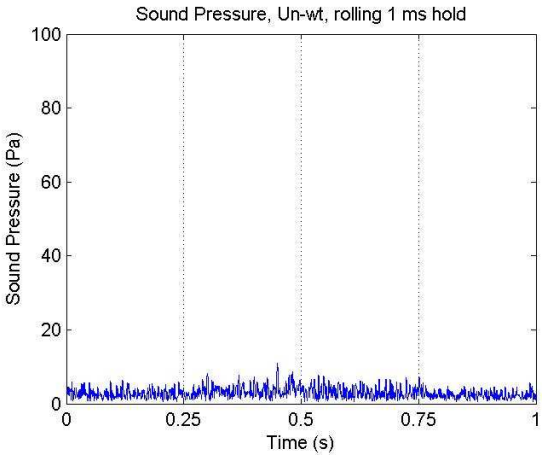
Name: Pahurehure Inlet control stream
Route Position: 1N 0448 8.38
Direction: Decreasing
Joint Type: Air gap
Road Surface Type: Other

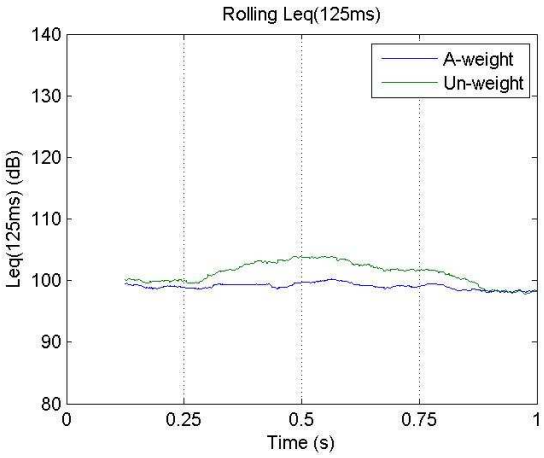
Test Details:

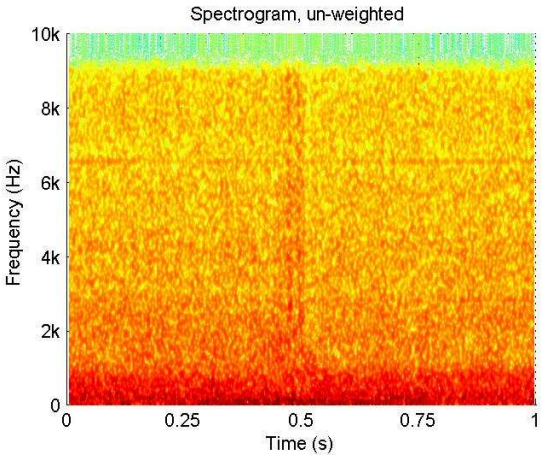
Operator: I.Kvatch
Date: 15−05−13
Time: 10−01−11
Marker No: 2

Latitude: −37.037747
Longitude: 174.910068
Speed (km/h): 71.3









Acceleration − Maximum vertical (g): 0.33
Acceleration − Maximum longitudinal (g): 0.05
Displacement − Maximum vertical (mm): 3.34
Displacement − Maximum longitudinal (mm): 0.46
Noise Peak Sound Pressure (Pa): 10.90
Average sound level, Leq(1s) (dB): 101.34
Average sound level, LAeq(1s) (dB): 99.09
Maximum sound level, Leq(125ms) (dB): 103.98
Maximum sound level, LAeq(125ms) (dBA): 100.25