



VIBRATION MONITORING REPORT

Project

Empire State Building Project

Prepared For:

ABC Engineering

Submitted by:

Inzwa Technologies

200 W. Butler Ave., Unit 3111

Philadelphia, PA 19002

Report from

2020-08-15 15:18:00 to 2020-08-22 15:18:00

Vibration Monitoring Instrumentation

The following tables indicate the devices currently deployed on the project.

Device Name	S/N	Type
SW Corner, ESB	329383	Inzwa Veva 3
NE Corner, ESB	UM11061	Micromate

Peak Particle Velocity Maximum Values

The following tables indicate the maximum peak particle velocity achieved each day on each axis.

X-Axis Daily Max Values (in/s)

Device Name	08/16/2020	08/17/2020	08/18/2020	08/19/2020	08/20/2020	08/21/2020	08/21/2020
SW Corner, ESB	0.006	0.036	0.012	0.022	0.019	0.021	0.018
NE Corner, ESB	0.01	0.024	0.044	3.24	1.388	3.686	0.023

Y-Axis Daily Max Values (in/s)

Device Name	08/16/2020	08/17/2020	08/18/2020	08/19/2020	08/20/2020	08/21/2020	08/21/2020
SW Corner, ESB	0.006	0.023	0.016	0.024	0.023	0.021	0.025
NE Corner, ESB	0.013	0.018	0.016	4.014	1.96	3.765	0.014

Z-Axis Daily Max Values (in/s)

Device Name	08/16/2020	08/17/2020	08/18/2020	08/19/2020	08/20/2020	08/21/2020	08/21/2020
SW Corner, ESB	0.011	0.169	0.046	0.05	0.124	0.077	0.061
NE Corner, ESB	0.055	0.089	0.046	0.373	0.395	0.219	0.182

Alarm Events

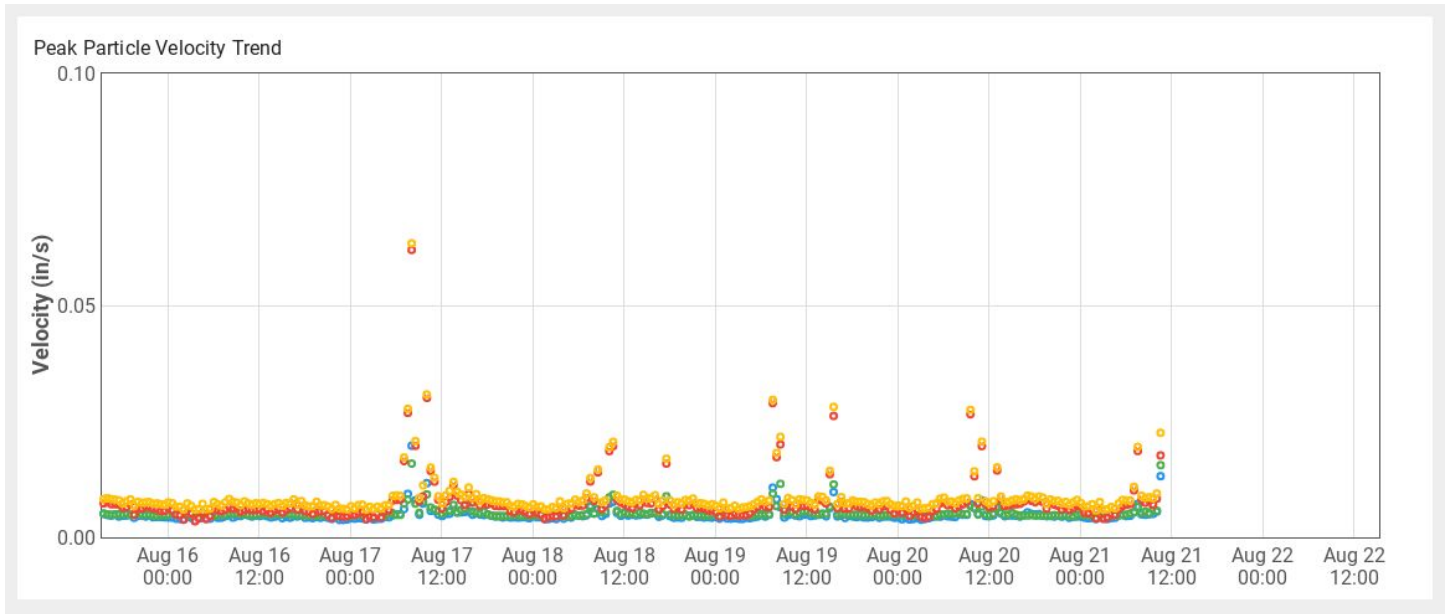
The following table and charts indicate the alarms that occurred during the reporting period. USBM reports are included in this report for vibration alarm events. If no data is displayed, then no alarms occurred during the period of this report.

Start Time	End Time	S/N	Alarm Type
08/21/2020 10:26:40	08/21/2020 10:26:43	UM11061	Vibration Event
08/20/2020 13:03:37	08/20/2020 13:03:40	UM11061	Vibration Event
08/19/2020 09:29:51	08/19/2020 09:29:54	UM11061	Vibration Event

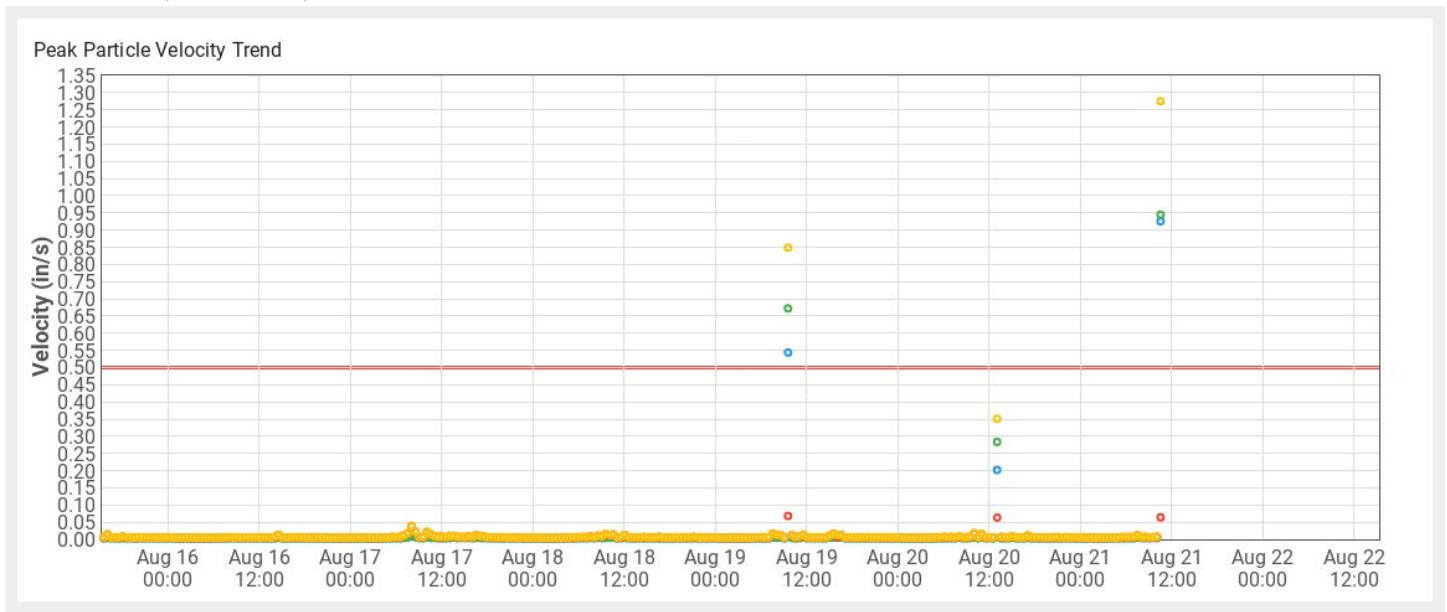
Seven Day Histograms

The following charts indicate the peak particle velocity collected on each axis in addition to the peak vector sum during the last seven days.

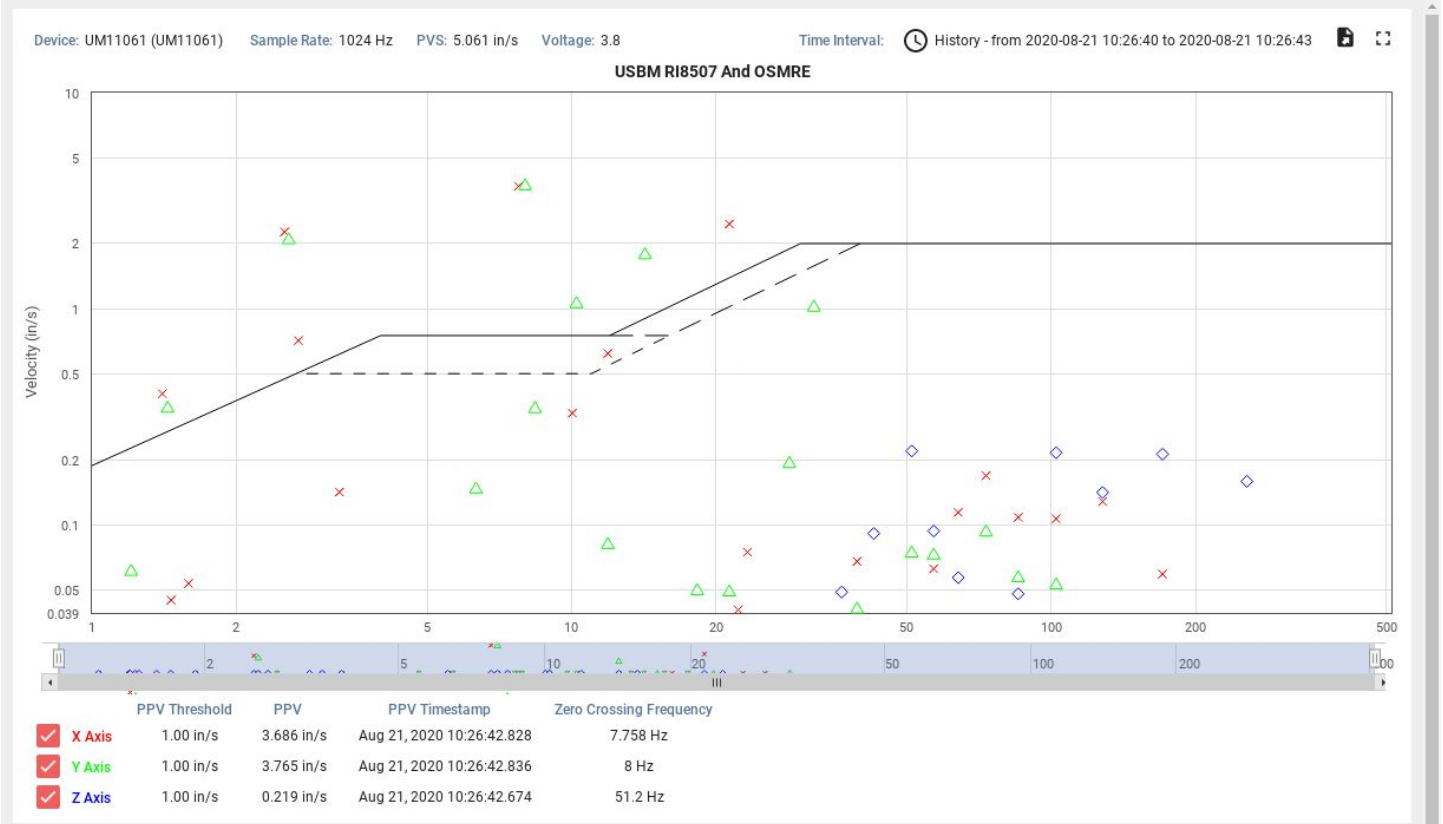
SW Corner, ESB (S/N 329383)



NE Corner, ESB (S/N UM11061)



On 08/21/2020 10:26:40, the contractor was notified of the exceedance recorded by UM11061. Waveform data was sent via email and can also be seen in the report below.



On 08/20/2020 13:03:37, the contractor was notified of the exceedance recorded by UM11061. Waveform data was sent via email and can also be seen in the report below.



On 08/19/2020 09:29:51, the contractor was notified of the exceedance recorded by UM11061. Waveform data was sent via email and can also be seen in the report below.

