

**Date/Time** Long at 09:43:08 April 16, 2019  
**Trigger Source** Geo: 0.020 in/s  
**Range** Geo: 4.999 in/s  
**Record Time** 5.0 sec at 1024 sps

**Serial Number** 3331 V 2.61 MiniMate  
**Battery Level** 6.4 Volts  
**Unit Calibration** February 4, 2019 by InstanTel  
**File Name** E331HW9C.BW0  
**Post Event Notes**  
 Client: Homburg  
 rock shot  
 Location: 109 S. Thompson

**Notes**  
 Location:  
 Client:  
 User Name:  
 Converted: April 16, 2019 11:38:02 (V 10.74)

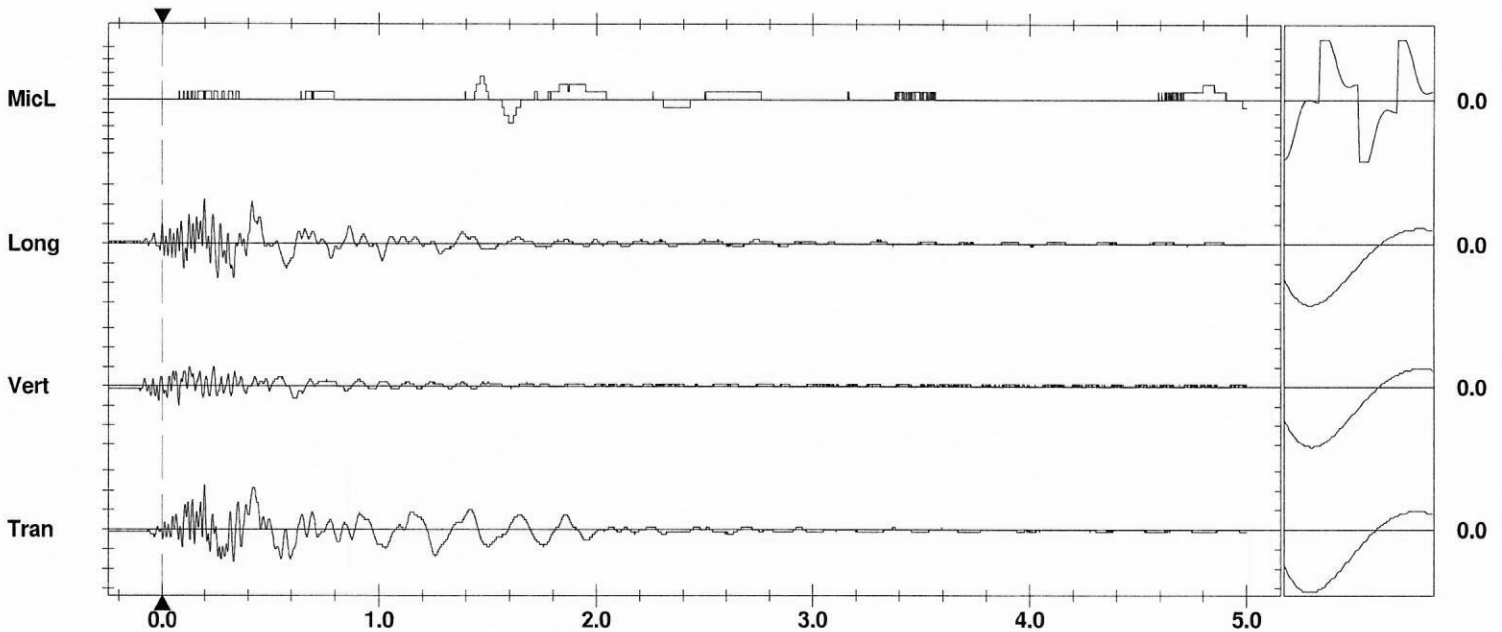
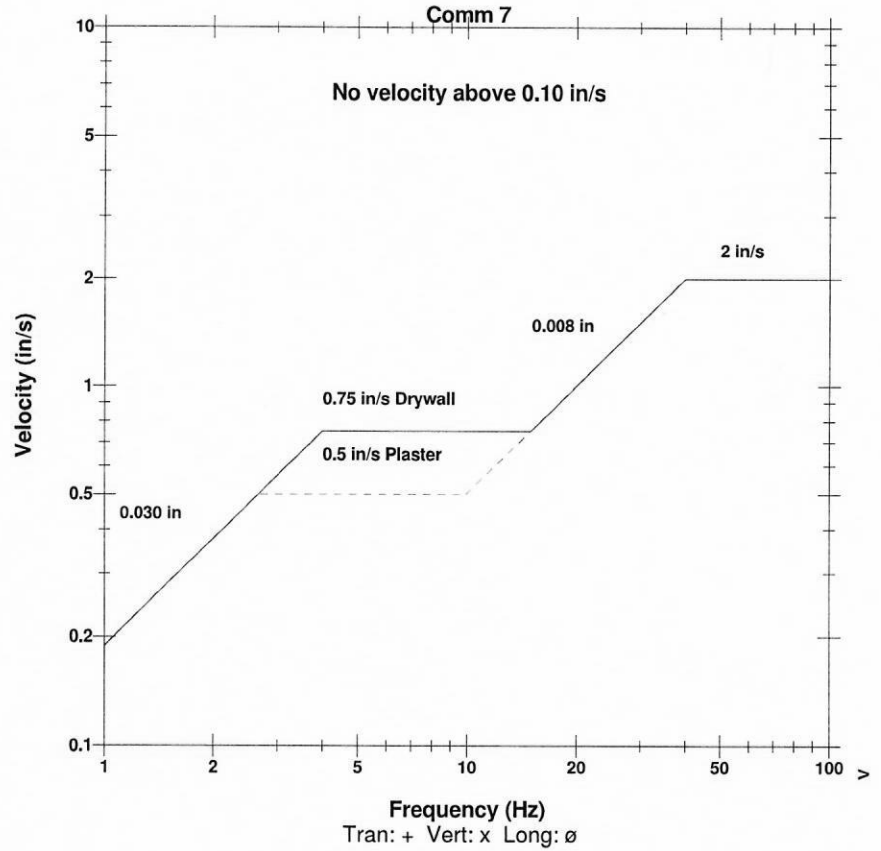
**Extended Notes**

**Microphone** Linear Weighting  
**PSPL** 109.5 dB(L) at 1.466 sec  
**ZC Freq** 8.0 Hz  
**Channel Test** Passed (Freq = 20.0 Hz Amp = 540 mv )

	Tran	Vert	Long	
PPV	0.045	0.020	0.045	in/s
ZC Freq	34	43	32	Hz
Time (Rel. to Trig)	0.198	0.078	0.197	sec
Peak Acceleration	0.027	0.013	0.020	g
Peak Displacement	0.001	0.000	0.001	in
Sensor Check	Passed	Passed	Passed	
Frequency	8.2	8.0	7.8	Hz
Overswing Ratio	3.5	3.5	3.8	

Peak Vector Sum 0.064 in/s at 0.198 sec

**Wisconsin Administrative Code**



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 0.020 in/s/div Mic: 0.001 psi(L)/div  
 Trigger =  $\blacktriangleleft$   $\blacktriangleright$

Sensor Check

**Date/Time** Vert at 09:43:35 April 16, 2019  
**Trigger Source** Geo: 0.020 in/s  
**Range** Geo: 4.999 in/s  
**Record Time** 5.0 sec at 1024 sps

**Serial Number** 4804 V 2.61 MiniMate  
**Battery Level** 6.5 Volts  
**Unit Calibration** February 28, 2019 by InstanTel  
**File Name** F804HW9C.CN0

**Notes**  
 Location:  
 Client:  
 User Name: Ahlgrimm Explosives Co  
 Converted: April 16, 2019 11:32:59 (V 10.74)

**Post Event Notes**  
 Client: Homburg  
 rock shot  
 Location: Back gate by 502 jupiter dr

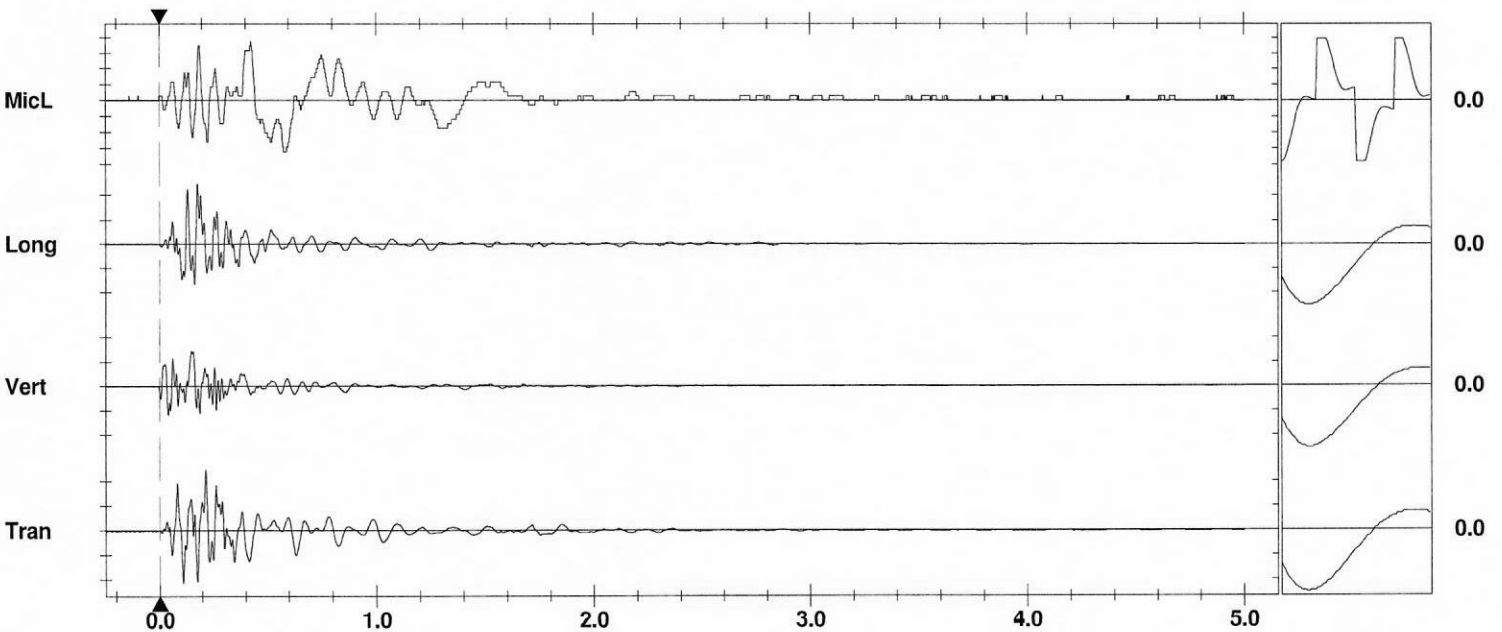
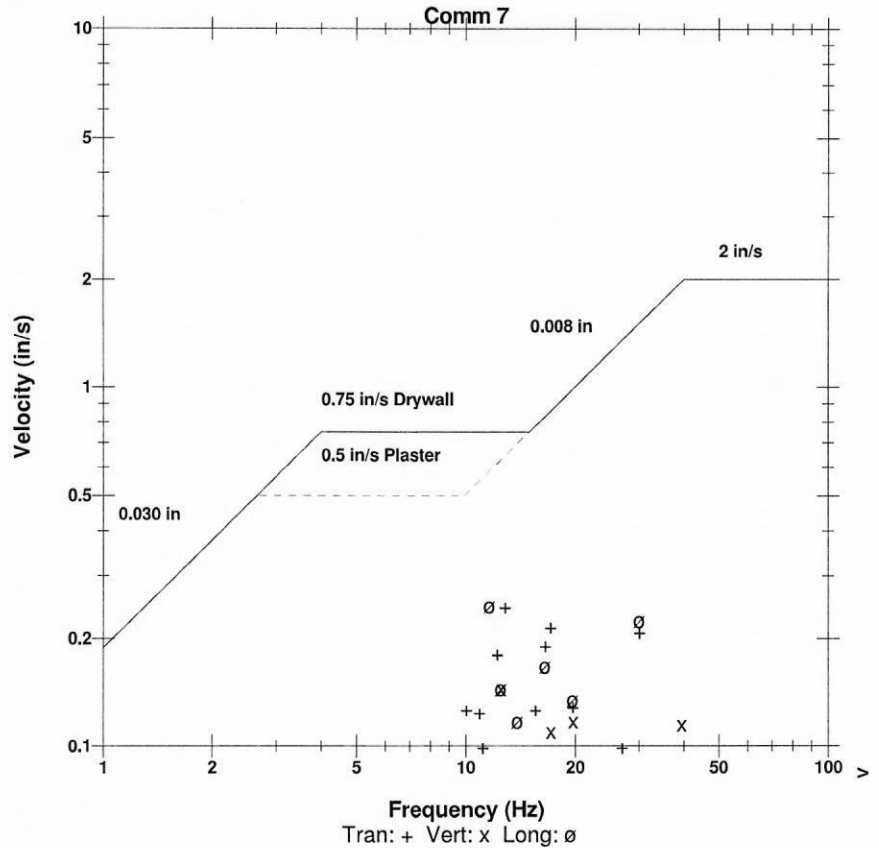
**Extended Notes**

**Microphone** Linear Weighting  
**PSPL** 122.3 dB(L) at 0.427 sec  
**ZC Freq** 4.0 Hz  
**Channel Test** Passed (Freq = 20.0 Hz Amp = 515 mv )

	Tran	Vert	Long	
PPV	0.248	0.145	0.248	in/s
ZC Freq	13	12	12	Hz
Time (Rel. to Trig)	0.216	0.149	0.178	sec
Peak Acceleration	0.106	0.086	0.133	g
Peak Displacement	0.002	0.002	0.003	in
Sensor Check	Passed	Passed	Passed	
Frequency	8.2	7.8	8.2	Hz
Overswing Ratio	3.5	3.8	3.4	

**Peak Vector Sum** 0.327 in/s at 0.178 sec

**Wisconsin Administrative Code**



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 0.100 in/s/div Mic: 0.001 psi(L)/div  
**Trigger =** ▶ ◀

Sensor Check

**Date/Time** Long at 09:43:56 April 16, 2019  
**Trigger Source** Geo: 0.020 in/s  
**Range** Geo: 4.999 in/s  
**Record Time** 5.0 sec at 1024 sps

**Serial Number** 4379 V 2.61 MiniMate  
**Battery Level** 6.4 Volts  
**Unit Calibration** January 17, 2019 by InstanTel  
**File Name** F379HW9C.D80  
**Post Event Notes**  
 Client: Homburg  
 rock shot  
 Location: 5310 Greenbriar

**Notes**

Location:  
 Client:  
 User Name:  
 Converted: April 16, 2019 11:25:23 (V 10.74)

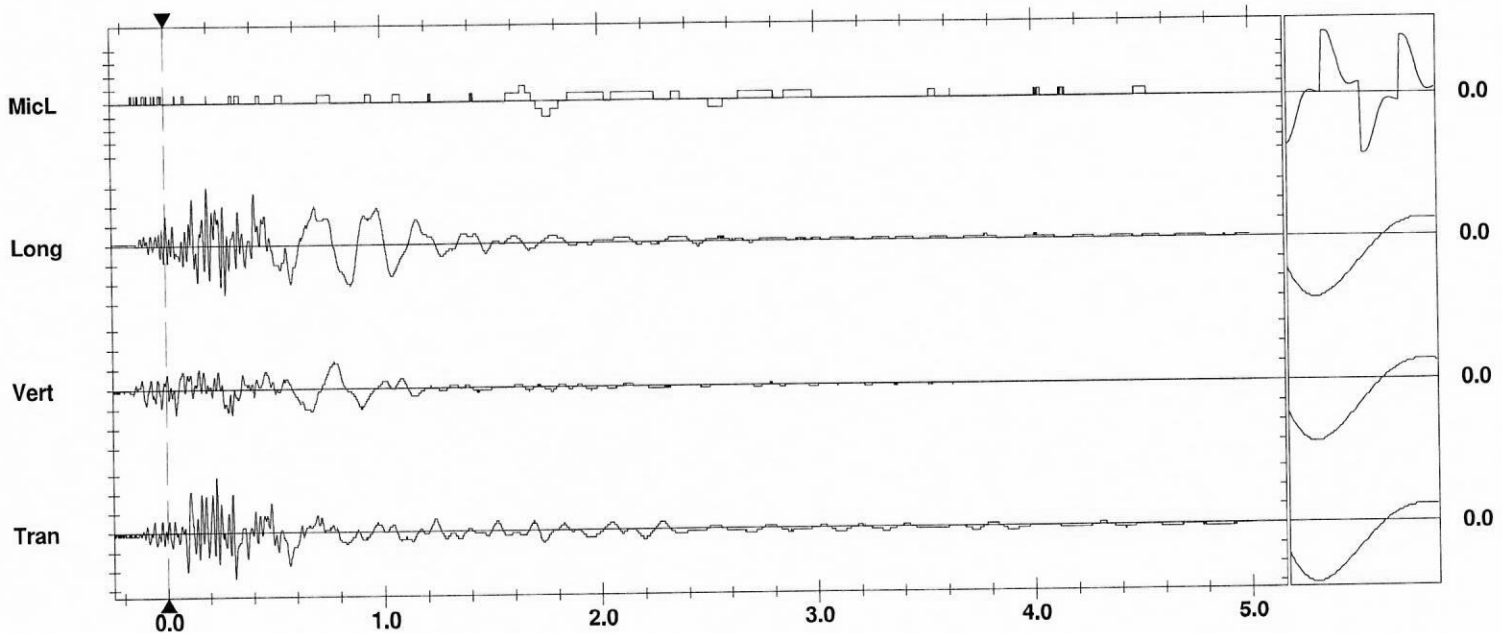
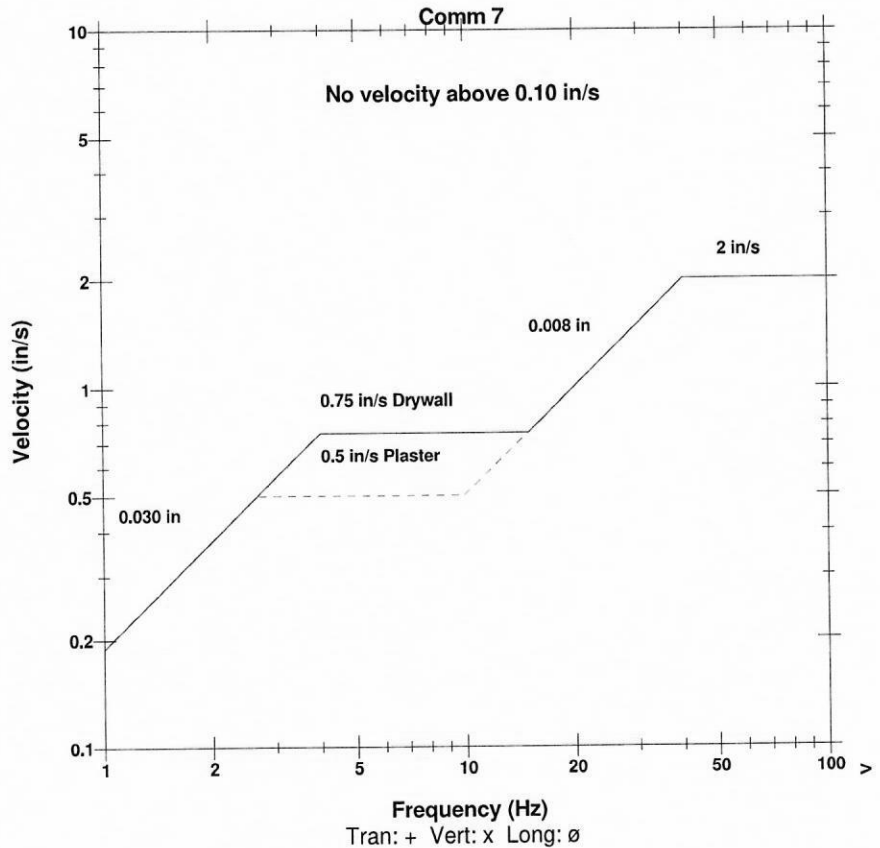
**Extended Notes**

**Microphone** Linear Weighting  
**PSPL** 106.0 dB(L) at 1.640 sec  
**ZC Freq** 4.0 Hz  
**Channel Test** Passed (Freq = 20.0 Hz Amp = 454 mv)

	Tran	Vert	Long	
PPV	0.058	0.028	0.060	in/s
ZC Freq	39	5.0	37	Hz
Time (Rel. to Trig)	0.230	0.777	0.195	sec
Peak Acceleration	0.040	0.013	0.040	g
Peak Displacement	0.001	0.001	0.002	in
Sensor Check	Passed	Passed	Passed	
Frequency	7.8	8.0	7.8	Hz
Overswing Ratio	3.8	3.5	3.8	

Peak Vector Sum 0.063 in/s at 0.195 sec

**Wisconsin Administrative Code**



**Time Scale:** 0.20 sec/div **Amplitude Scale:** Geo: 0.020 in/s/div Mic: 0.001 psi(L)/div  
**Trigger =**

Sensor Check

**Date/Time** Vert at 09:40:59 April 16, 2019  
**Trigger Source** Geo: 0.020 in/s  
**Range** Geo: 4.999 in/s  
**Record Time** 5.0 sec at 1024 sps

**Serial Number** 3053 V 2.61 MiniMate  
**Battery Level** 6.3 Volts  
**Unit Calibration** February 27, 2019 by InstanTel  
**File Name** E053HW9C.8B0

**Notes**  
 Location:  
 Client:  
 User Name: Ahlgrimm Explosives Co  
 Converted: April 16, 2019 11:42:52 (V 10.74)

**Post Event Notes**  
 Client: Homburg  
 rock shot  
 Location: 5410 Retana

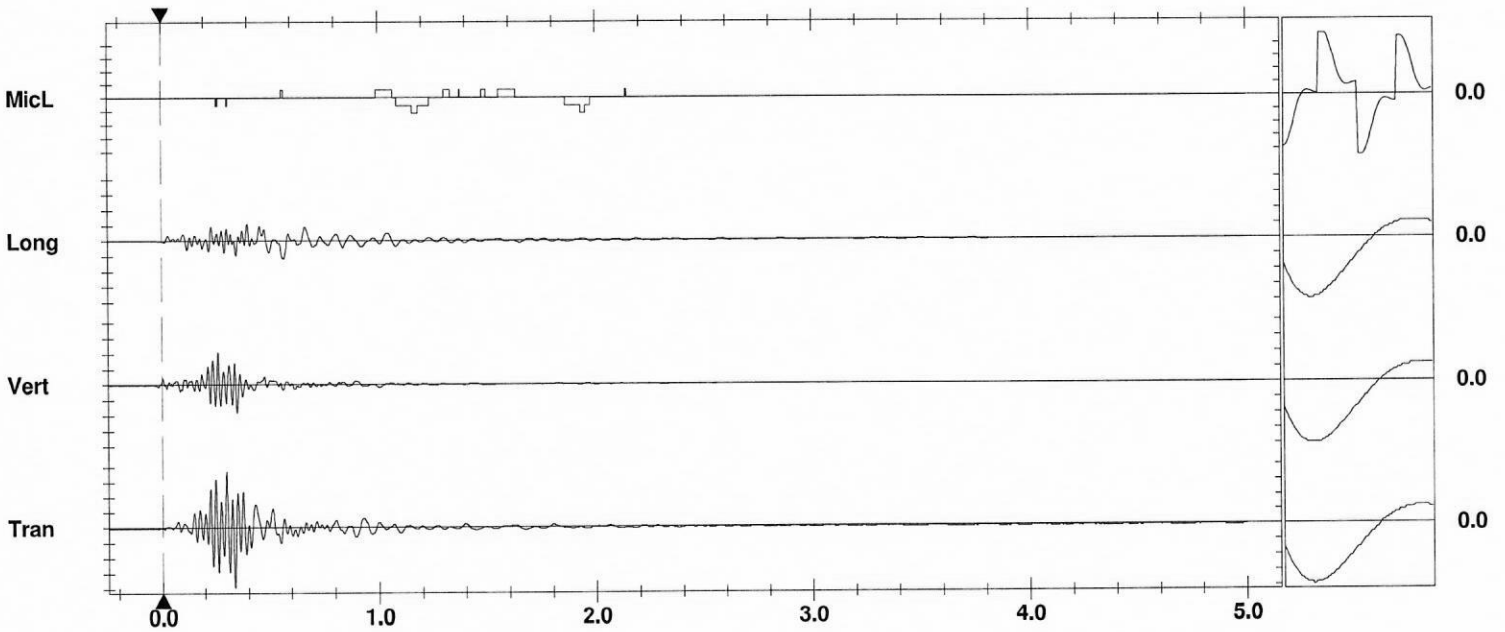
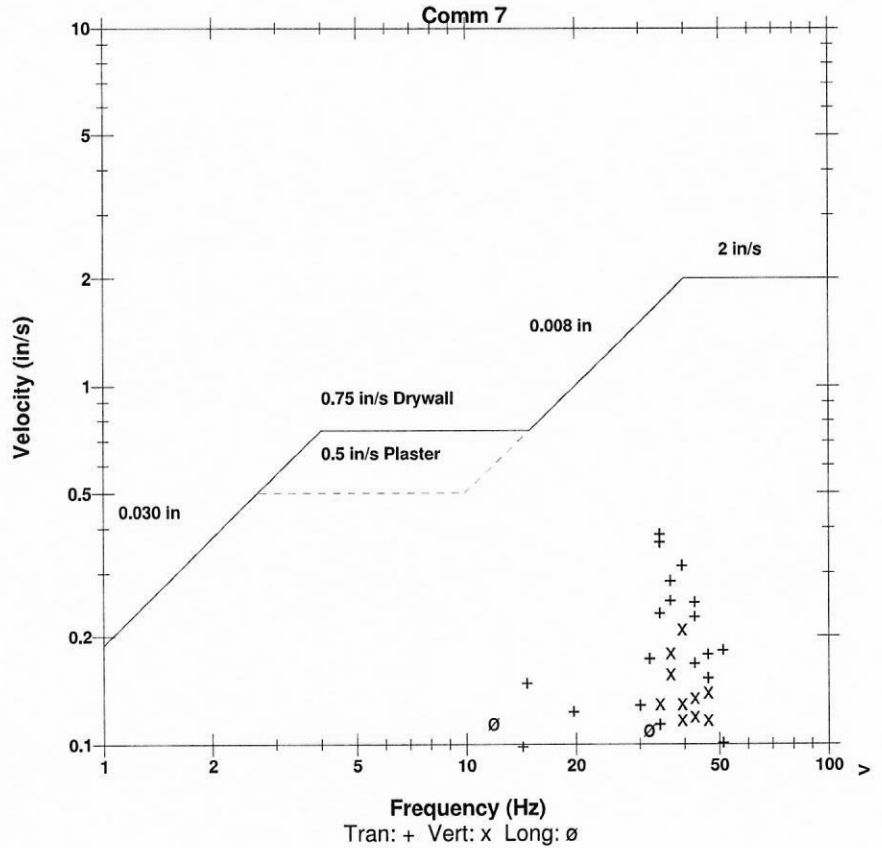
**Extended Notes**

**Microphone** Linear Weighting  
**PSPL** 106.0 dB(L) at 1.158 sec  
**ZC Freq** 3.0 Hz  
**Channel Test** Passed (Freq = 20.0 Hz Amp = 462 mv )

	Tran	Vert	Long	
PPV	0.390	0.210	0.115	in/s
ZC Freq	32	37	11	Hz
Time (Rel. to Trig)	0.338	0.262	0.564	sec
Peak Acceleration	0.212	0.119	0.060	g
Peak Displacement	0.002	0.001	0.001	in
Sensor Check	Passed	Passed	Passed	
Frequency	7.8	7.8	8.3	Hz
Overswing Ratio	3.5	3.3	3.7	

Peak Vector Sum 0.414 in/s at 0.338 sec

**Wisconsin Administrative Code**



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.100 in/s/div Mic: 0.001 psi(L)/div  
 Trigger = ▶ ◀

Sensor Check