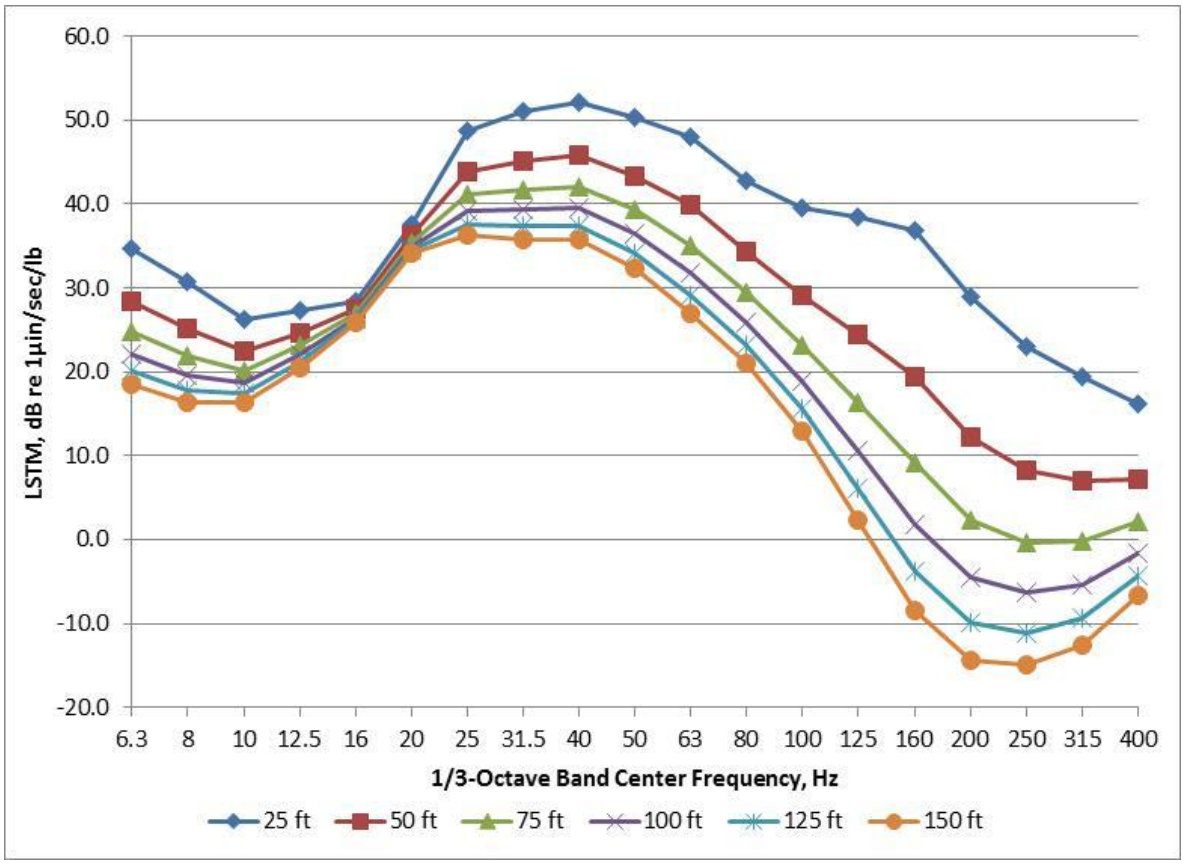
APPENDIX G: FIELD TRANSFER MOBILITY MEASUREMENT AND DOCUMENTATION DETAILS

Vibration Propagation Measurement Site VP-A: Leroy Street and Bolero Lane – Los Angeles Union Station to Redondo Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-A

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	63.7	56.8	44.0	39.5	33.1	43.9	71.3	78.6	81.3	82.5	86.0	81.8	87.3	103.2	118.4	106.7
B	-20.7	-18.6	-12.7	-8.7	-3.3	-4.5	-16.1	-19.7	-20.9	-23.0	-27.1	-27.9	-34.2	-46.3	-58.3	-55.6
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

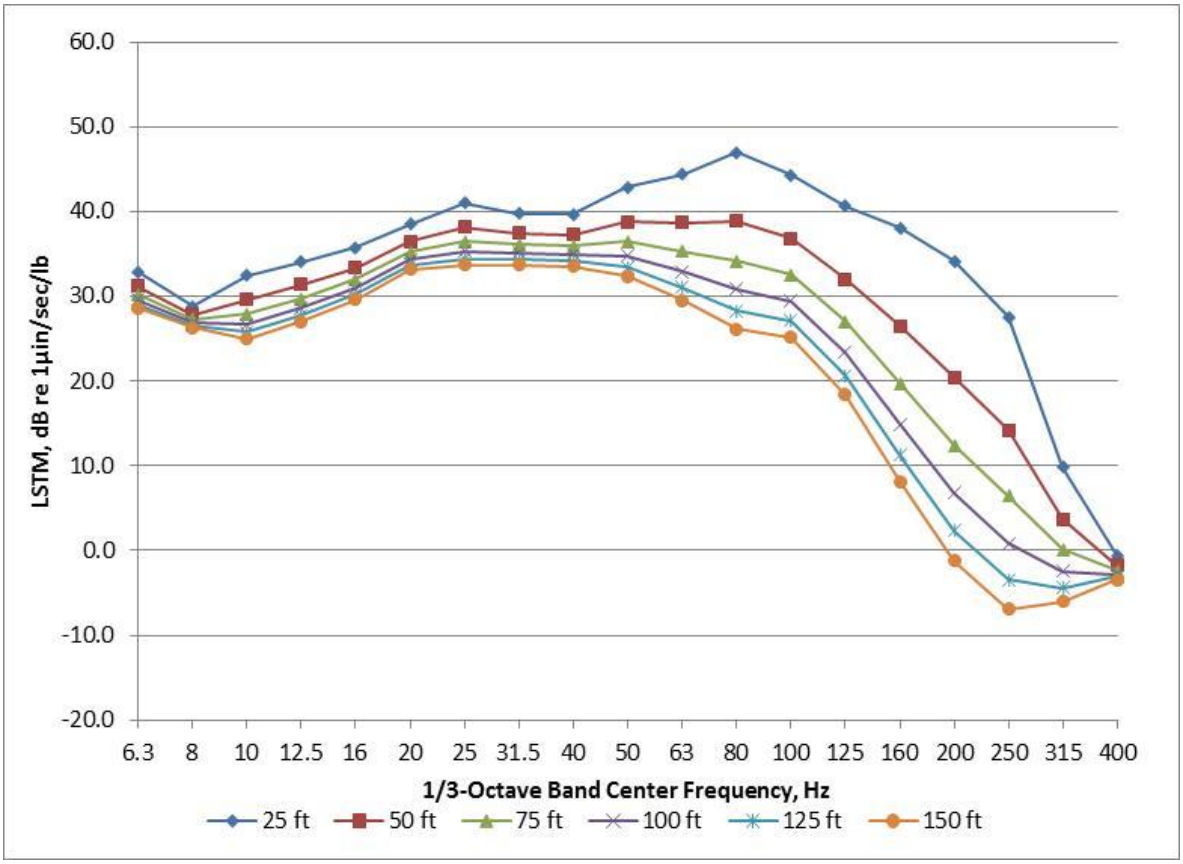


Vibration Propagation Measurement Site VP-1: Mateo Street and Violet Street – Los Angeles Union Station to Redondo Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-1

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	40.5	33.3	45.9	46.9	46.8	48.3	54.1	50.7	50.7	61.8	71.2	84.3	78.6	80.6	91.8	97.6
B	-5.5	-3.2	-9.6	-9.2	-7.9	-7.0	-9.4	-7.8	-7.9	-13.5	-19.1	-26.7	-24.6	-28.6	-38.4	-45.4
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

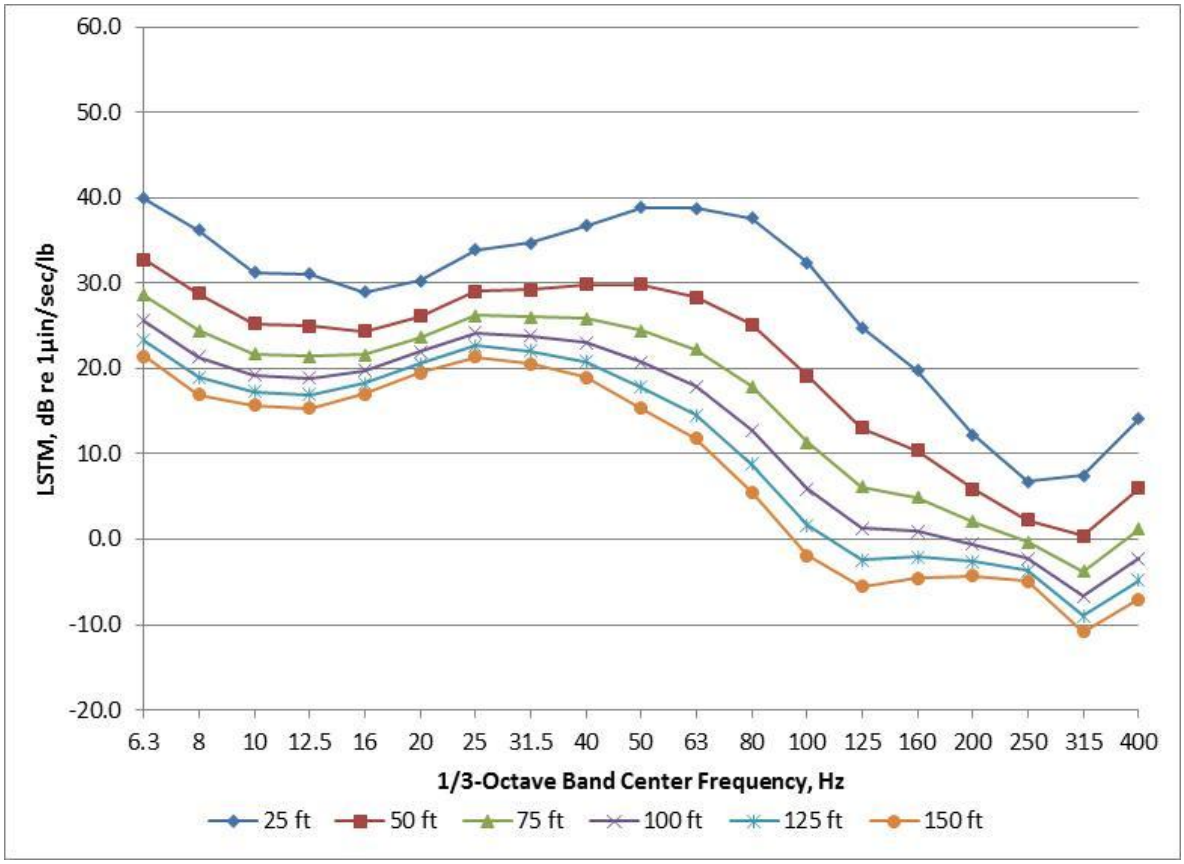


Vibration Propagation Measurement Site VP-2: Sycamore Street and Montebello Boulevard – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-2

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	73.2	70.8	59.2	59.4	50.5	49.8	56.5	60.1	68.6	81.1	87.2	95.2	93.9	79.3	63.5	42.1
B	-23.8	-24.7	-20.0	-20.3	-15.4	-13.9	-16.1	-18.1	-22.8	-30.2	-34.7	-41.2	-44.0	-39.0	-31.3	-21.3
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

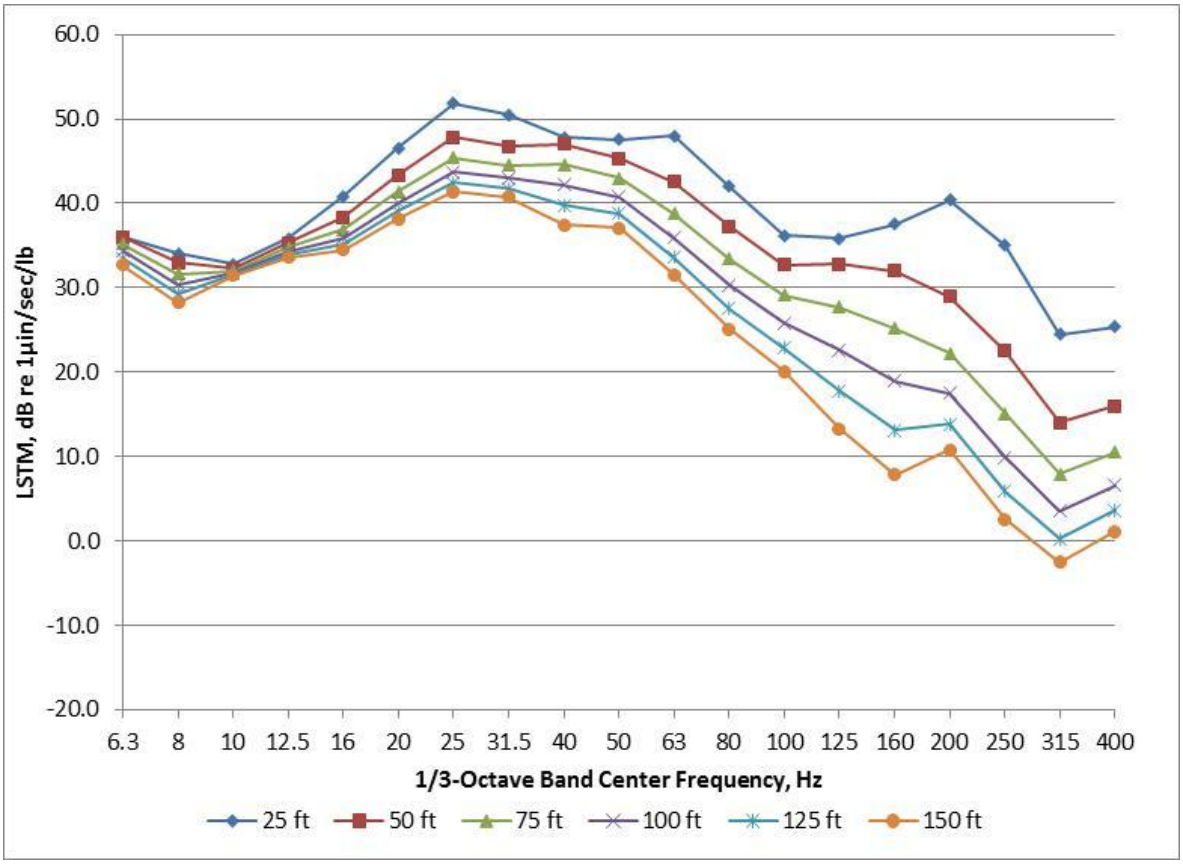


Vibration Propagation Measurement Site VP-3: Rivera Road and Lindell Avenue – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-3

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	15.2	19.9	35.3	32.4	52.1	61.6	70.8	68.0	0.0	27.1	59.2	34.4	6.7	-43.5	-34.9	93.6
B	27.1	21.4	-1.7	5.9	-8.1	-10.8	-13.5	-12.5	64.9	32.7	0.4	22.9	48.0	111.8	109.6	-38.0
C	-8.8	-8.1	0.0	-2.4	0.0	0.0	0.0	0.0	-21.9	-12.9	-6.0	-12.5	-19.2	-39.4	-41.3	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

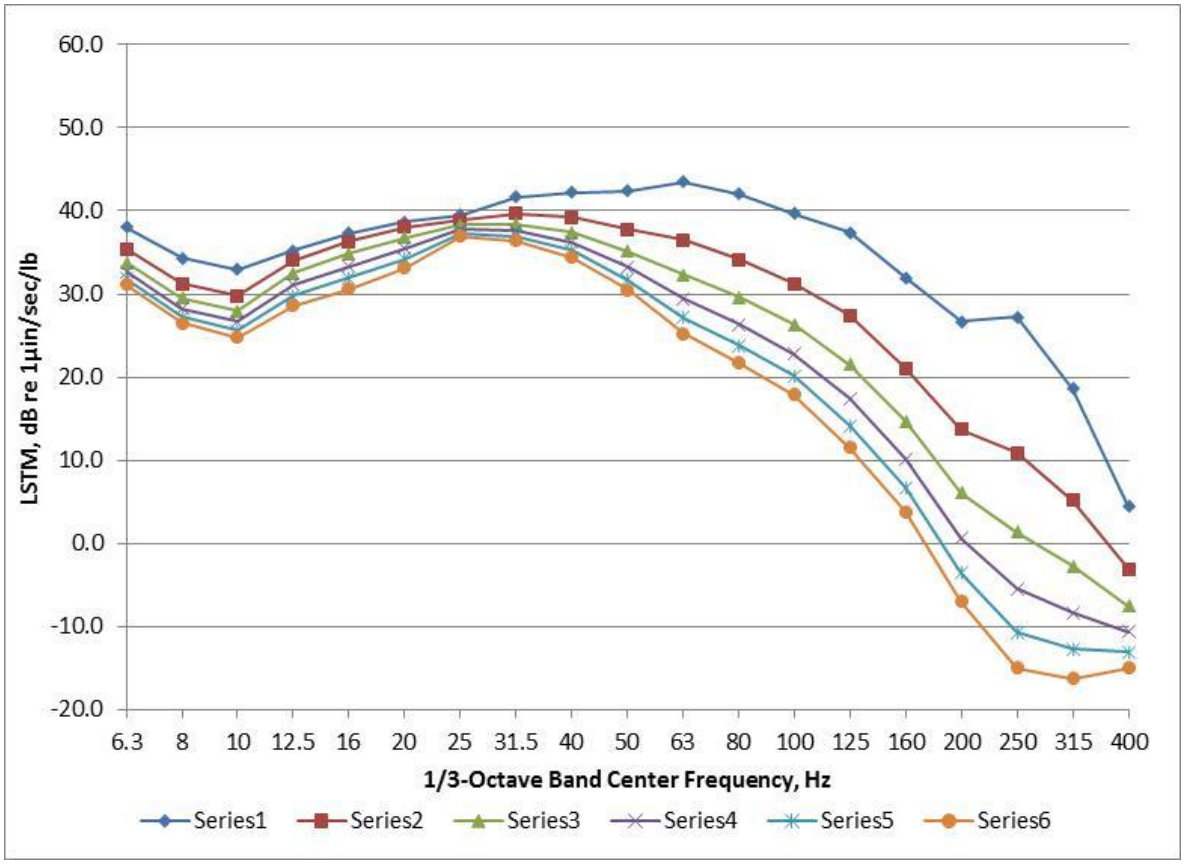


Vibration Propagation Measurement Site VP-4: Rivera Road and Millergrove Drive – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-4

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	50.5	48.3	47.7	18.9	14.5	16.8	36.4	51.3	56.1	63.6	76.3	78.5	78.8	83.8	82.4	87.3
B	-8.9	-10.0	-10.5	24.7	32.3	30.3	5.7	-6.8	-9.9	-15.2	-23.4	-26.1	-28.0	-33.2	-36.1	-43.3
C	0.0	0.0	0.0	-9.3	-11.4	-10.5	-2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

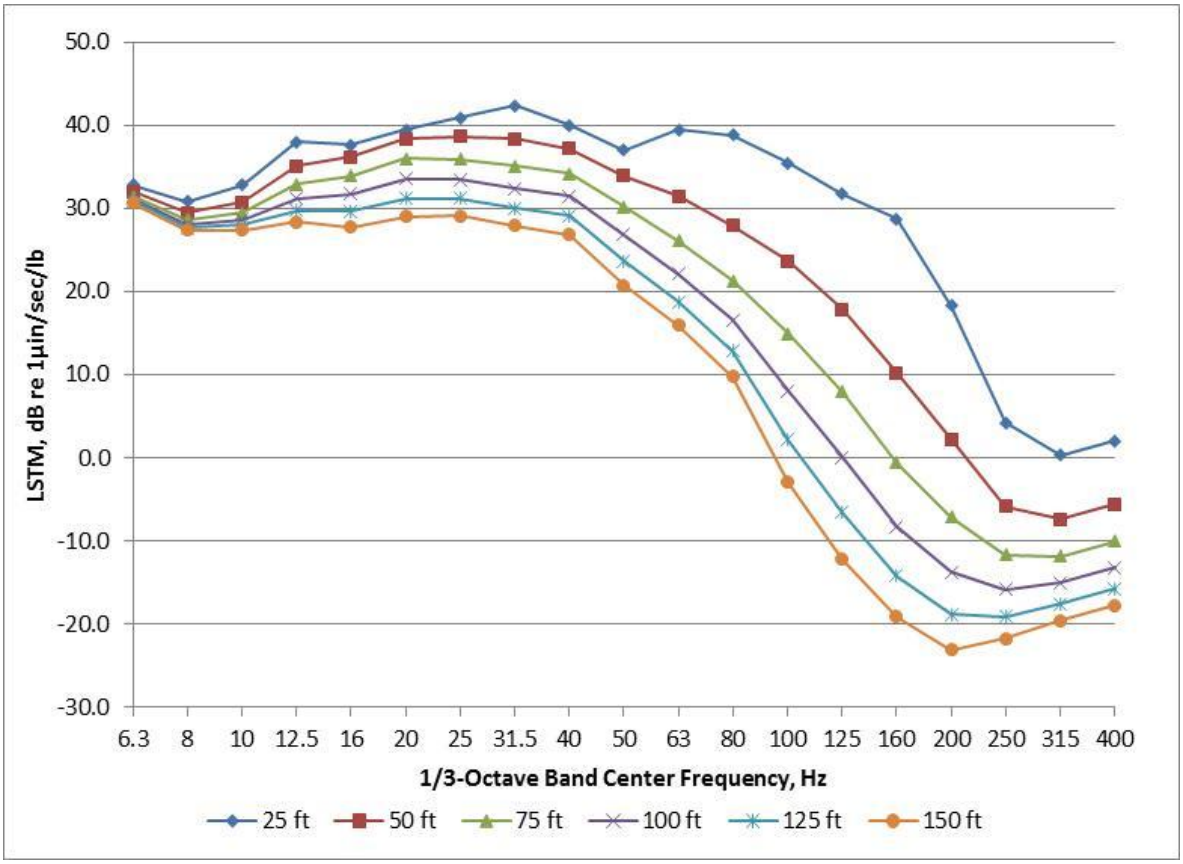


Vibration Propagation Measurement Site VP-5: Arrey Avenue and Ross Street – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-5

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	36.6	37.0	42.5	37.5	4.2	-4.4	14.3	35.4	15.1	-1.1	58.2	83.2	40.1	43.7	114.6	92.5
B	-2.7	-4.4	-6.9	8.4	47.5	60.2	41.0	20.2	40.0	58.3	-2.6	-28.3	26.3	22.2	-61.4	-53.1
C	0.0	0.0	0.0	-5.8	-16.8	-20.6	-15.7	-10.9	-15.9	-22.2	-7.7	-2.5	-21.2	-22.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

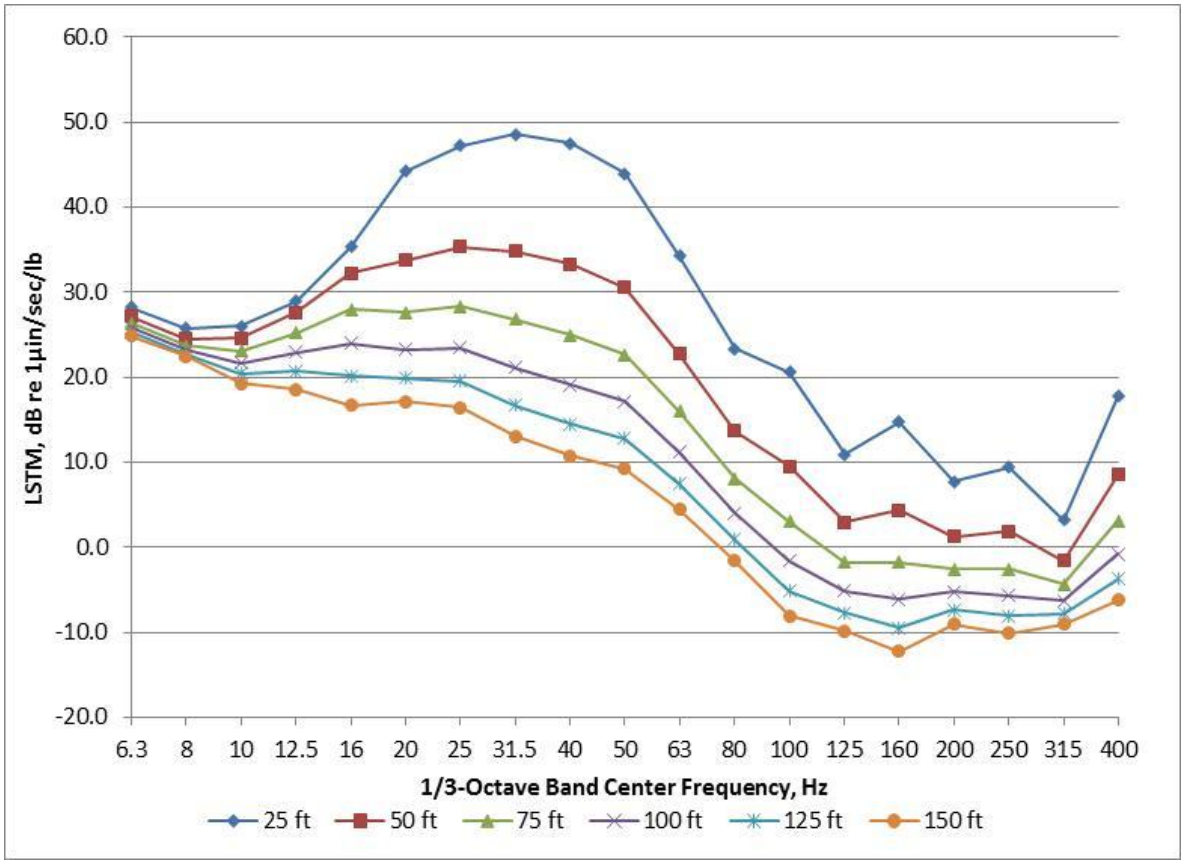


Vibration Propagation Measurement Site VP-6: San Ardo Drive and Vanada Road – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-6

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	29.6	31.8	12.9	-8.4	-17.6	92.7	102.6	112.2	113.4	106.2	87.9	68.3	72.1	48.3	63.3	37.8
B	1.2	-4.3	20.9	52.4	77.5	-34.7	-39.6	-45.5	-47.2	-44.5	-38.4	-32.1	-36.8	-26.7	-34.7	-21.5
C	-1.5	0.0	-8.3	-18.4	-28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

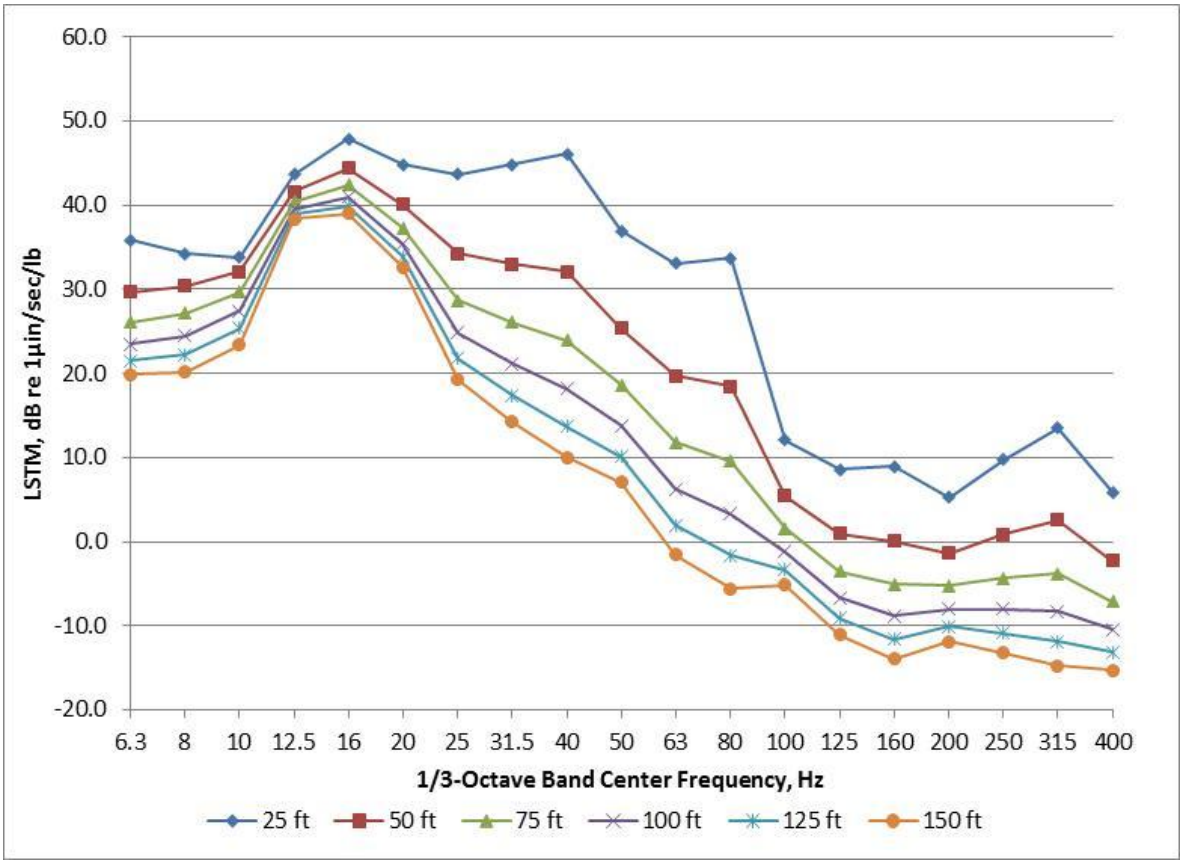


Vibration Propagation Measurement Site VP-7: Fullerton Avenue and Pacific Avenue – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-7

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	64.5	27.4	4.0	53.3	63.8	66.8	87.5	99.7	110.9	90.6	95.4	104.3	43.0	43.9	50.1	36.1
B	-20.5	19.7	43.6	-6.8	-11.4	-15.7	-31.4	-39.3	-46.4	-38.4	-44.6	-50.5	-22.1	-25.3	-29.5	-22.0
C	0.0	-10.6	-15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

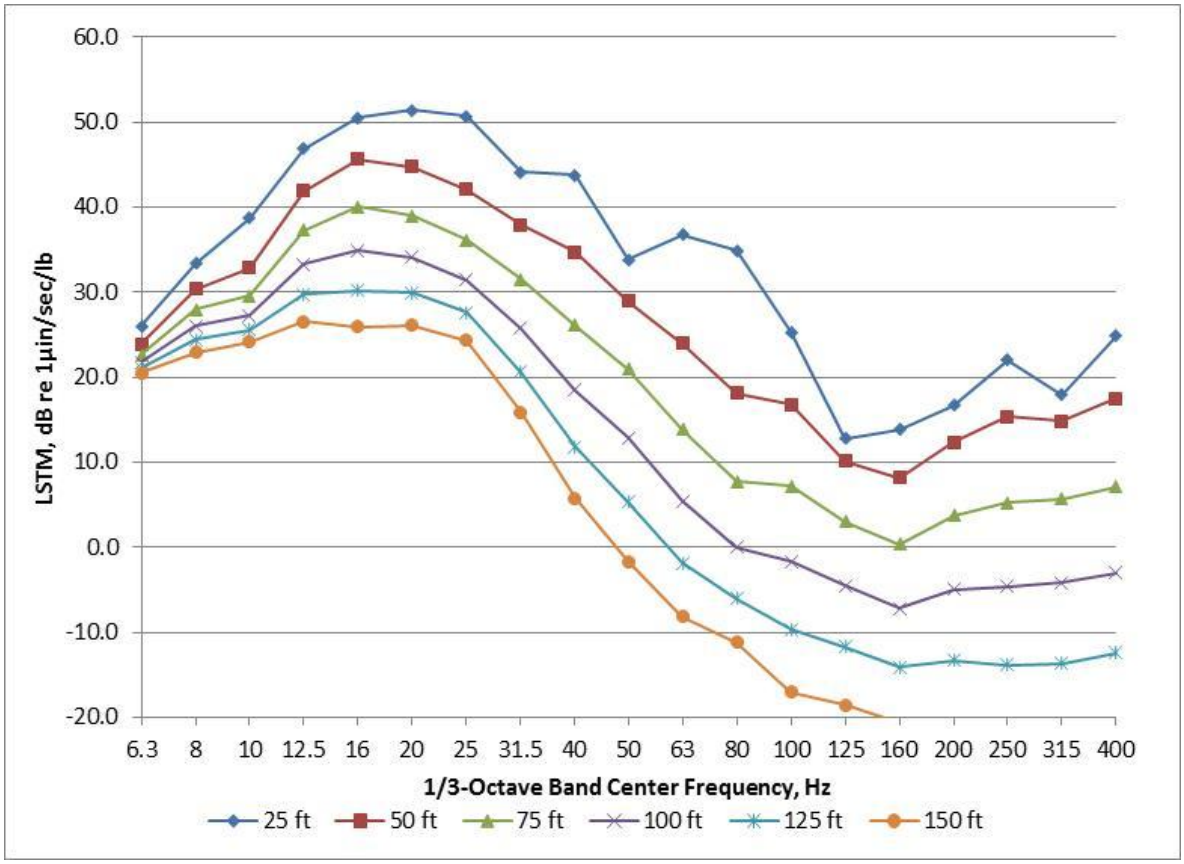


Vibration Propagation Measurement Site VP-8: Franklin Street and Stanton Avenue – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-8

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	35.8	30.3	68.9	22.2	-3.2	30.8	64.2	-3.9	-7.1	-89.8	19.3	95.3	-65.7	-131.1	-84.6	-131.5
B	-7.0	12.3	-23.5	45.7	83.5	45.1	5.8	79.7	91.2	174.6	57.6	-33.0	141.9	194.9	144.2	205.4
C	0.0	-7.2	1.4	-20.1	-32.2	-21.7	-11.1	-32.5	-39.2	-61.6	-32.3	-7.3	-54.9	-65.8	-52.7	-71.1

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

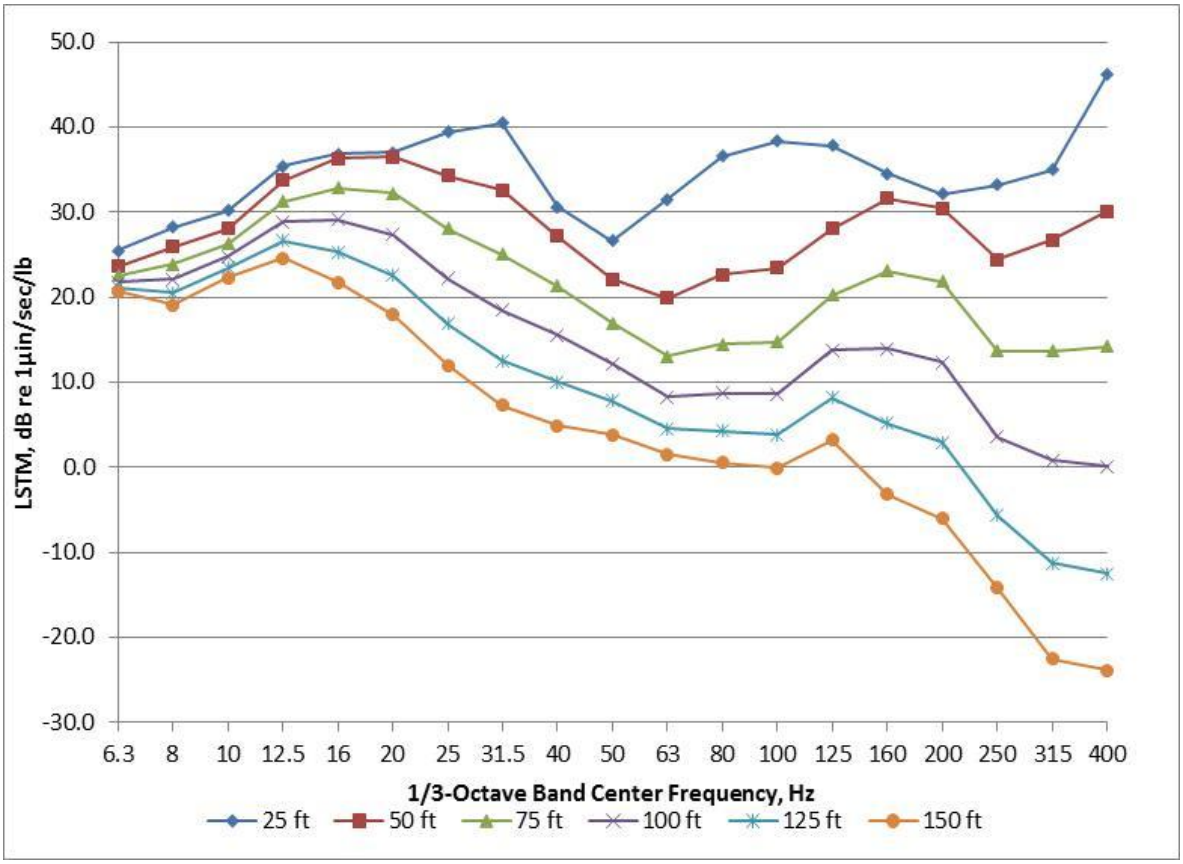


Vibration Propagation Measurement Site VP-9: South Orange Avenue and West Williamson Avenue – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-9

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	35.8	30.3	68.9	22.2	-3.2	30.8	64.2	-3.9	-7.1	-89.8	19.3	95.3	-65.7	-131.1	-84.6	-131.5
B	-7.0	12.3	-23.5	45.7	83.5	45.1	5.8	79.7	91.2	174.6	57.6	-33.0	141.9	194.9	144.2	205.4
C	0.0	-7.2	1.4	-20.1	-32.2	-21.7	-11.1	-32.5	-39.2	-61.6	-32.3	-7.3	-54.9	-65.8	-52.7	-71.1

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

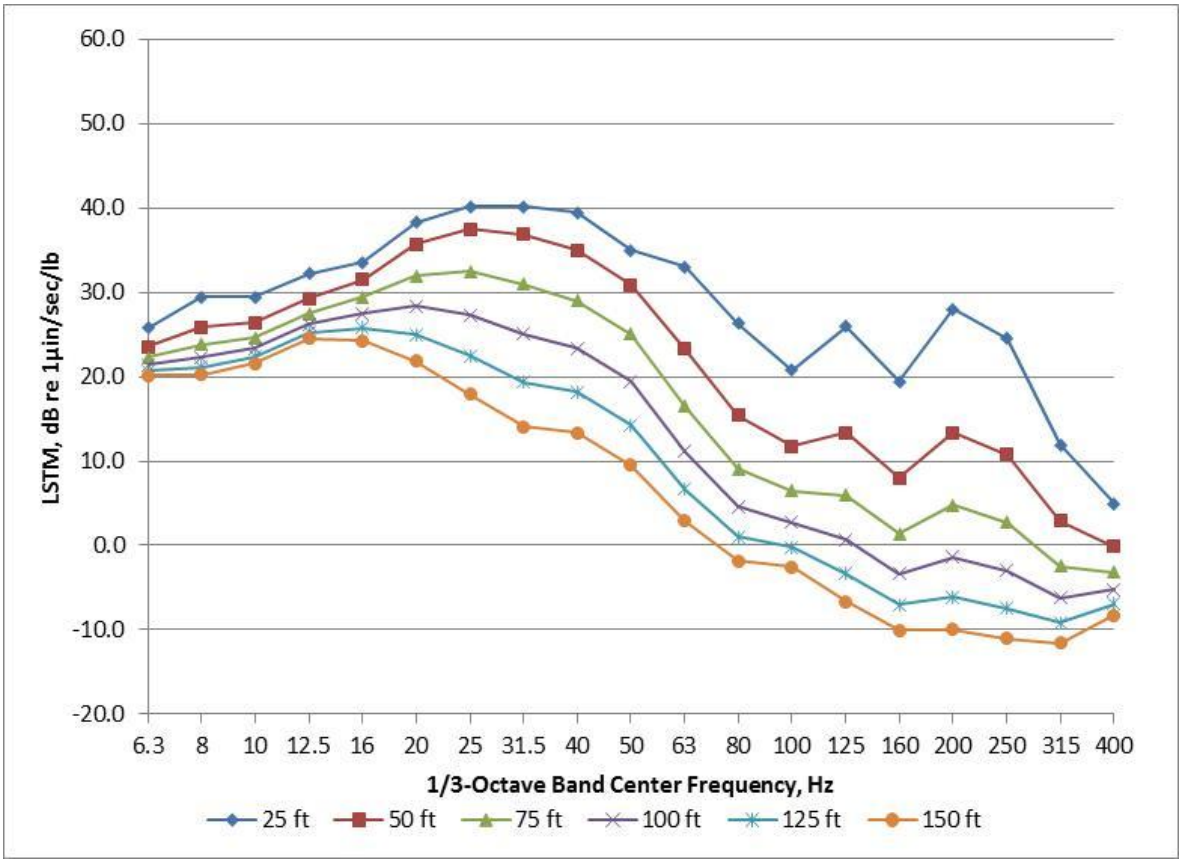


Vibration Propagation Measurement Site VP-10: Truslow Avenue and Lawrence Avenue – Redondo Junction to Fullerton Junction

1/3-Octave Band Transfer Mobility Coefficients – Site VP-10

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	36.0	46.1	43.5	46.2	17.4	-10.8	-46.1	-56.7	-32.0	-39.5	46.0	76.9	62.7	84.6	72.3	96.4
B	-7.3	-11.9	-10.1	-10.0	26.7	71.3	119.9	135.4	105.6	108.6	9.7	-36.2	-30.0	-41.9	-37.8	-48.9
C	0.0	0.0	0.0	0.0	-10.8	-25.9	-41.6	-47.3	-38.9	-39.6	-13.6	0.0	0.0	0.0	0.0	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz



Vibration Propagation Measurement Site VP-11: East Wilhelmina Street and North Pauline Street – Fullerton Junction to Anaheim Regional Transportation Intermodal Center

1/3-Octave Band Transfer Mobility Coefficients – Site VP-11

Coefficients	6.3 Hz	8 Hz	10 Hz	12.5 Hz	16 Hz	20 Hz	25 Hz	31.5 Hz	40 Hz	50 Hz	63 Hz	80 Hz	100 Hz	125 Hz	160 Hz	200 Hz
A	52.9	19.9	12.1	42.2	54.2	63.9	78.2	66.6	76.8	43.3	46.5	46.8	71.1	72.4	77.4	93.9
B	-16.7	18.5	27.3	1.3	-9.2	-12.1	-18.7	-1.9	-10.0	27.5	16.3	10.8	-22.6	-25.9	-21.7	-43.1
C	0.0	-8.9	-10.7	-3.3	0.0	0.0	0.0	-5.4	-4.4	-15.8	-11.6	-9.5	0.0	0.0	-4.9	0.0

$TM = A + B * \log(dist) + C * \log(dist)^2$
Hz = Hertz

