

**APPENDIX 4.8**

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**Noise Modeling Results**

**Hollywood Production Center  
Off-Site Noise Conditions  
Based on August 2007 Traffic Report**

**EXISTING (2007) CONDITIONS**

ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Dist. from		Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	
					Speed Center (mph)	to Receptor (ft)		Medium Trucks	Heavy Trucks		
<b>EAST WILSON AVENUE (minor arterial)</b>											
	w/o North Louise Street	2	12	15,300	35	50	0	0	1.8%	0.7%	65.2
	w/o North Maryland Avenue	2	12	15,300	35	50	0	0	1.8%	0.7%	65.2
<b>EAST BROADWAY (minor arterial)</b>											
	w/o North Louise Street	4	12	16,800	35	50	0	0	1.8%	0.7%	66.0
	w/o North Maryland Avenue	4	12	17,000	35	50	0	0	1.8%	0.7%	66.1
<b>EAST HARVARD STREET (urban collector)</b>											
	w/o North Louise Street	4	0	7,400	35	50	0	0	1.8%	0.7%	62.2
	w/o North Maryland Avenue	4	0	7,400	35	50	0	0	1.8%	0.7%	62.2
<b>NORTH LOUISE STREET (neighborhood collector)</b>											
	s/o East Wilson Avenue	2	0	7,100	35	50	0	0	1.8%	0.7%	61.7
	s/o East Broadway	2	0	7,100	35	50	0	0	1.8%	0.7%	61.7
<b>NORTH MARYLAND AVENUE (urban collector)</b>											
	s/o East Wilson Avenue	2	0	3,800	35	50	0	0	1.8%	0.7%	59.0
	s/o East Broadway	2	0	4,200	35	50	0	0	1.8%	0.7%	59.5
<b>NORTH BRAND BOULEVARD (major arterial)</b>											
	s/o East Wilson Avenue	4	12	27,400	45	50	0	0	1.8%	0.7%	70.7
	s/o East Broadway	4	12	27,400	45	50	0	0	1.8%	0.7%	70.7

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

n/a = data not available

(1) Distance to centerline of roadway.

Assumed 24-Hour Traffic Distribution:

	Day	Evening	Night	Totals
Total ADT Volumes	77.70%	12.70%	9.60%	100%
Medium-Duty Trucks	87.43%	5.05%	7.52%	100%
Heavy-Duty Trucks	89.10%	2.84%	8.06%	100%

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EXISTING TRAFFIC CONDITIONS WITH PROJECT											
ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Dist. from		Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	
					Speed (mph)	Center to Receptor (ft)		Medium Trucks	Heavy Trucks		
<b>EAST WILSON AVENUE (minor arterial)</b>											
	w/o North Louise Street	2	12	15,600	35	50	0	0	1.8%	0.7%	65.3
	w/o North Maryland Avenue	2	12	15,400	35	50	0	0	1.8%	0.7%	65.2
<b>EAST BROADWAY (minor arterial)</b>											
	w/o North Louise Street	4	12	16,900	35	50	0	0	1.8%	0.7%	66.0
	w/o North Maryland Avenue	4	12	17,300	35	50	0	0	1.8%	0.7%	66.1
<b>EAST HARVARD STREET (urban collector)</b>											
	w/o North Louise Street	4	0	7,600	35	50	0	0	1.8%	0.7%	62.3
	w/o North Maryland Avenue	4	0	7,600	35	50	0	0	1.8%	0.7%	62.3
<b>NORTH LOUISE STREET (neighborhood collector)</b>											
	s/o East Wilson Avenue	2	0	7,100	35	50	0	0	1.8%	0.7%	61.7
	s/o East Broadway	2	0	7,200	35	50	0	0	1.8%	0.7%	61.8
<b>NORTH MARYLAND AVENUE (urban collector)</b>											
	s/o East Wilson Avenue	2	0	4,000	35	50	0	0	1.8%	0.7%	59.3
	s/o East Broadway	2	0	4,400	35	50	0	0	1.8%	0.7%	59.7
<b>NORTH BRAND BOULEVARD (major arterial)</b>											
	s/o East Wilson Avenue	4	12	27,600	45	50	0	0	1.8%	0.7%	70.7
	s/o East Broadway	4	12	27,600	45	50	0	0	1.8%	0.7%	70.7

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

n/a = data not available

(1) Distance to centerline of roadway.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night	Totals
Total ADT Volumes	77.70%	12.70%	9.60%	100%
Medium-Duty Trucks	87.43%	5.05%	7.52%	100%
Heavy-Duty Trucks	89.10%	2.84%	8.06%	100%

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Off-Site Noise Conditions  
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**2010 TRAFFIC CONDITIONS WITHOUT PROJECT**

ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Dist. from Centerline (ft)	Alpha Factor	Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL
									Medium Trucks	Heavy Trucks	
<b>EAST BROADWAY (minor arterial)</b>											
	w/o North Louise Street	4	12	22,100	35	50	0	0	1.8%	0.7%	67.2
	w/o North Maryland Avenue	4	12	22,400	35	50	0	0	1.8%	0.7%	67.3
<b>NORTH MARYLAND AVENUE (urban collector)</b>											
	s/o East Wilson Avenue	2	0	3,900	35	50	0	0	1.8%	0.7%	59.1
	s/o East Broadway	2	0	4,300	35	50	0	0	1.8%	0.7%	59.6

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

n/a = data not available

(1) Distance to centerline of roadway.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night	Totals
Total ADT Volumes	77.70%	12.70%	9.60%	100%
Medium-Duty Trucks	87.43%	5.05%	7.52%	100%
Heavy-Duty Trucks	89.10%	2.84%	8.06%	100%

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**2010 TRAFFIC CONDITIONS WITH PROJECT**

ROADWAY NAME	Segment	Lanes	Median Width	ADT Volume	Design Dist. from		Barrier Attn. dB(A)	Vehicle Mix		dB(A) CNEL	
					Speed (mph)	Center to Receptor		Medium Trucks	Heavy Trucks		
<b>EAST BROADWAY (minor arterial)</b>											
	w/o North Louise Street	4	12	22,172	35	50	0	0	1.8%	0.7%	67.2
	w/o North Maryland Avenue	4	12	22,658	35	50	0	0	1.8%	0.7%	67.3
<b>NORTH MARYLAND AVENUE (urban collector)</b>											
	s/o East Wilson Avenue	2	0	4,120	35	50	0	0	1.8%	0.7%	59.4
	s/o East Broadway	2	0	4,638	35	50	0	0	1.8%	0.7%	59.9

(1) Alpha Factor: Coefficient of absorption relating to the effects of the ground surface. An alpha factor of 0 indicates that the site is an acoustically "hard" site such as asphalt. An alpha factor of 0.5 indicates that the site is an acoustically "soft" site such as vegetative ground cover.

n/a = data not available

(1) Distance to centerline of roadway.

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night	Totals
Total ADT Volumes	77.70%	12.70%	9.60%	100%
Medium-Duty Trucks	87.43%	5.05%	7.52%	100%
Heavy-Duty Trucks	89.10%	2.84%	8.06%	100%