

TABLE 1
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/29/2010
ROADWAY SEGMENT: WILLOW ROAD
NOTES: GRAND AVE TO PROJECT DRIVEWAY

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34650 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
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AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.06

70 CNEL	65 CNEL	60 CNEL	55 CNEL
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86.6	173.4	367.2	788.0

TABLE 2
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/29/2010
ROADWAY SEGMENT: WILLOW ROAD
NOTES: PROJECT DRIVEWAY TO LAKEWOOD BLVD

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34640 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

DAY	EVENING	NIGHT
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AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.06

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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86.6	173.4	367.2	787.9

TABLE 3
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/29/2010
ROADWAY SEGMENT: WILLOW ROAD
NOTES: GRAND AVE TO PROJECT DRIVEWAY WITH PROJECT

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36520 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY ---	EVENING -----	NIGHT -----
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL -----	65 CNEL -----	60 CNEL -----	55 CNEL -----
89.2	179.4	380.2	816.1

TABLE 4
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/29/2010
ROADWAY SEGMENT: WILLOW ROAD
NOTES: PROJECT DRIVEWAY TO LAKEWOOD BLVD WITH PROJECT

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 36090 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
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AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 36 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 70.23

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
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88.6	178.0	377.2	809.7