POTENTIAL NOISE BARRIER LOCATIONS
IH 39 CENTRAL SEGMENT
CTH O TO ROCK/DANE COUNTY LINE

39/90 IMPROVING a gateway to America

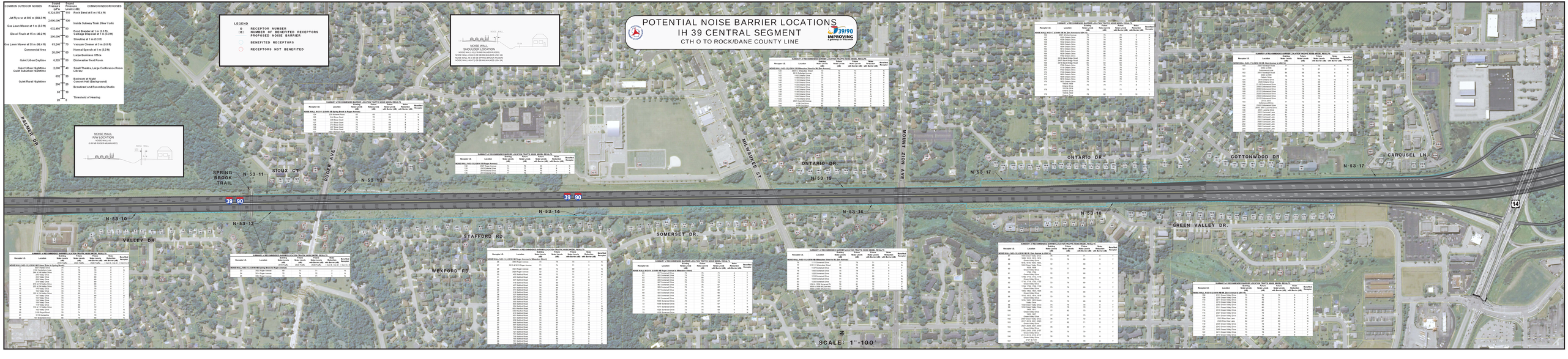
COMMON OUTDOOR NOISES	Sound Pressure Levels (dB)	COMMON INDOOR NOISES
	110	Rock Band at 5 m (16.4 ft)
Jet Flyover at 300 m (984.3 ft)	100	Inside Subway Train (New York)
Gas Lawn Mower at 1 m (3.3 ft)	90	Food Blender at 1 m (3.3 ft) Garbage Disposal at 1 m (3.3 ft)
Diesel Truck at 15 m (49.2 ft)	80	Shouting at 1 m (3.3 ft)
Gas Lawn Mower at 30 m (98.4 ft)	70	Vacuum Cleaner at 3 m (9.8 ft)
Commercial Area	60	Normal Speech at 1 m (3.3 ft) Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime Quiet Suburban Nighttime	40	Small Theatre, Large Conference Room Library
	30	Bedroom at Night Concert Hall (Background)
Quiet Rural Nighttime	20	Broadcast and Recording Studio
	10	
	0	Threshold of Hearing

LEGEND

- RECEPTOR NUMBER
- (0) NUMBER OF BENEFITED RECEPTORS
- PROPOSED NOISE BARRIER
- BENEFITED RECEPTORS
- RECEPTORS NOT BENEFITED

NOISE WALL SHOULDER LOCATION
NOISE WALL #1 (4.0 SB MILWAUKEE CORR 12)
NOISE WALL #2 (4.0 SB MILWAUKEE CORR 12)
NOISE WALL #3 (1.0 SB SPRING BROOK RUGER)
NOISE WALL #4 (1.27 SB ON MOUNT ZION CRK 13)

NOISE WALL R/W LOCATION
NOISE WALL #2
(1.0 SB MILWAUKEE WALL #2)



SUMMARY of RECOMMENDED BARRIER LOCATION TRAFFIC NOISE MODEL RESULTS

Receptor I.D.	Location	Existing Noise Levels (dB)	Future Noise Levels (dB)	Noise Reduction with Barrier (dB)	Noise Reduction with Barrier (dB)	Benefited Receptor
NOISE WALL 9-53-11 (0.0/50 SB Palmer Drive to Spring Brook)						
1	1503 Valley Drive	74	78	70	4	0
2	1505 Valley Drive	74	78	70	4	0
3	204 & 206 Valley Drive	74	78	70	4	0
4	208 Valley Drive	74	78	70	4	0
5	210 Valley Drive	74	78	69	5	0
6	212 Valley Drive	74	78	69	5	0
7	216 Valley Drive	74	78	69	5	0
8	220 & 222 Valley Drive	74	78	69	5	0
9	224 & 226 Valley Drive	74	78	69	5	0
10	230 Valley Drive	74	78	69	5	0
11	232 Valley Drive	74	78	69	5	0
12	234 Valley Drive	74	78	69	5	0
13	240 Valley Drive	74	78	69	5	0
14	242 Valley Drive	74	78	69	5	0
15	244 Valley Drive	74	78	69	5	0
16	115 & 117 Valley Drive	74	78	69	5	0
17	1502 Valley Drive	74	78	69	5	0
18	1506 Wood Road	74	78	69	5	0
21	2119 Hampshire	74	78	69	5	0
22	2121 Hampshire	74	78	69	5	0

SUMMARY of RECOMMENDED BARRIER LOCATION TRAFFIC NOISE MODEL RESULTS

Receptor I.D.	Location	Existing Noise Levels (dB)	Future Noise Levels (dB)	Noise Reduction with Barrier (dB)	Noise Reduction with Barrier (dB)	Benefited Receptor
NOISE WALL 9-53-12 (0.0/50 SB Spring Brook to Ruger Avenue)						
23	2000 Ruger Avenue	74	78	70	4	0
24	2010 Ruger Avenue	75	79	70	4	0
25	2020 Ruger Avenue	75	79	70	4	0
26	2030 Ruger Avenue	75	79	70	4	0