TABLE 3-24
SUMMARY OF EXISTING AMBIENT NOISE MEASUREMENT RESULTS

Site No.	Measurement Location Description	Start of Measurement		Meas. Time (hrs)	Noise Exposure (dBA)	
		Date	Time		Ldn	Leq
LT-1	Cistercian Abbey – Irving	8-31-05	16:00	24	68	--
LT-2	Lofts at Las Colinas – Irving	8-30-05	16:00	24	63	--
LT-3	Los Colinas Studio Plus – Irving	7-05-06	14:00	24	64	--
LT-4	The Villas at Beaver Creek – Irving	8-30-05	17:00	24	56	--
LT-5	Archstone at MacArthur Apartment Homes – Irving	8-30-05	15:00	24	58	--
ST-1	Miss Bloomingdale's Academy – Irving	9-01-05	8:20	1	--	60

Source: Harris Miller Miller & Hanson Inc., 2006

- Site LT-1: Cistercian Abbey. The Ldn measured at the Abbey was 68 dBA. The ambient noise levels were dominated by noise from the John W. Carpenter Freeway (SH 114). Ambient noise levels were monitored for 24 hours.

- Site LT-2: Lofts at Las Colinas (Lake Carolyn Parkway). The Ldn measured near these multi-family residences was 63 dBA. Major noise sources included traffic from Northwest Highway (Spur 348) and other local activities. Ambient noise levels were monitored for 24 hours in front of one of the apartment buildings. The measurement at this location can be used to estimate the existing noise exposure at the new apartment buildings on Lake Carolyn being built to the southeast as well.

- Site LT-3: Las Colinas Studio Plus (Meadow Creek Drive). The Ldn measured at this hotel was 64 dBA. The major noise sources were traffic on Meadow Creek Drive, traffic on Northwest Highway and aircraft arrivals at DFW Airport. Ambient noise levels were monitored for 24 hours in front of the hotel, near Meadow Creek Drive.

- Site LT-4: The Villas at Beaver Creek (Meadow Creek Drive). The Ldn measured near these multi-family residences was 56 dBA. The noise sources included traffic from a nearby parking garage and aircraft arrivals at DFW Airport. Ambient noise levels were monitored for 24 hours behind the residences, on the opposite side of the water channel.

- Site LT-5: Archstone at MacArthur Apartment Homes (1100 Hidden Ridge Drive). The Ldn measured at these multi-family residences was 58 dBA. Existing noise sources included traffic on North Lake College Road, aircraft arrivals at DFW Airport, and exterior air conditioning compressors at the residences. Ambient noise levels were monitored for 24 hours behind the residences. The measurement at this location can be used to estimate the ambient noise at the nearby Mandalay Place residences as well.

- Site ST-1: Miss Bloomingdale's Academy (Rochelle Boulevard). The Leq measured during a short term measurement at this location was 60 dBA. The major sources of existing noise are traffic on Rochelle Boulevard and Transport Boulevard, and cars in the parking lot of the childcare facility. Ambient noise levels were monitored during one peak transit hour period at this location.

3.6 VIBRATION

Ground-borne vibration is the oscillatory motion of the ground about some equilibrium position that can be described in terms of displacement, velocity or acceleration. Because sensitivity to vibration typically corresponds to the amplitude of vibration velocity within the low-frequency range