



**Project Name**  
**Ldn/CNEL Conversion of Monitored Leq's**  
**Existing Conditions**

**Monitoring Location: Springville Avenue**

**Primary Noise Source:**                      **Secondary Noise Source(s):**

<b>Monitoring Period</b>		<b>Monitored Leq</b>	
Midnight	0 / 24	49.0	<b>Leq Morning Peak Hour 7:00-10:00 a.m.</b>
am	1:00	47.8	<input type="text" value="58"/> dBA
	2:00	47.0	
	3:00	48.8	<b>Leq Evening Peak Hour 4:00-8:00 p.m.</b>
	4:00	50.3	<input type="text" value="55"/> dBA
	5:00	54.6	
	6:00	58.0	<b>Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)</b>
	7:00	59.7	<input type="text" value="52"/> dBA
	8:00	57.0	
	9:00	54.9	<b>Leq Daytime 7:00 am-10:00 p.m.</b>
	10:00:	51.2	<input type="text" value="55"/> dBA
	11:00:	59.6	
	12:00:	52.4	<b>Leq 24-Hour</b>
pm	1:00	51.1	<input type="text" value="54"/> dBA
	2:00	56.4	
	3:00	52.1	<b>Ldn: 10 dB adjustment between 10:00 p.m. &amp; 7:00 a.m.</b>
	4:00	51.7	<input type="text" value="59"/> dBA
	5:00	51.8	
	6:00	58.3	<b>CNEL: 5 dB adjustment between 7:00p.m. &amp; 10:00 p.m., &amp; 10 dB</b>
	7:00	54.5	<input type="text" value="60"/> dBA <b>adjustment between 10:00 p.m. &amp; 7:00 a.m.</b>
	8:00	51.7	
	9:00	52.6	
	10:00:	50.0	<b>Difference between CNEL and Ldn</b>
pm	11:00:	49.8	<input type="text" value="CNEL - Ldn 0.276084937"/>

Site:            0        Model: 720      Firmware rev: 1.634  
 Location:  
 Date:            11Mar 09 08:44:32

	Overall	Current
Run Time	25:05:00.2	25:04:33.3
Start Time	11Mar 09 08:44:32	11Mar 09 08:55:47
TWA: Leq	60.8	Leq 60.8
SEL	110.4	110.4
Lmax	115.8	115.8
Lmax Time	11Mar 09 08:55:54	11Mar 09 08:55:54
Lmin	37.0	37.0
Lmin Time	12Mar 09 00:53:23	12Mar 09 00:53:23
Peak	136.9	136.9
Peak Time	11Mar 09 08:55:54	11Mar 09 08:55:54
Unweighted Peak	135.5	135.5
Uwpk Time	11Mar 09 08:55:54	11Mar 09 08:55:54
Dose	0.4	0.4
Projected Dose	0.1	0.1
Threshold	80	80
Criterion	90	90

Ln values  
 L10 = 56.7    L25 = 52.2    L50 = 49.1  
 L90 = 44.3    L99 = 37.6    L99 = 37.6

Ldn	0.0	Overall Leq	61.6	25:05:00.2
Cnel	0.0	Event Leq	81.4	00:09:43.1
Sound Exposure	0.0	Background Leq	57.5	24:55:17.1
Overloads	0			
Pause Time	00:00:00.0			

Records:  
 Run/Stop        4      Daily                    0  
 Event            84     Calibration            2  
 Interval        28     Time History            0

**Project Name**  
**Ldn/CNEL Conversion of Monitored Leq's**  
**Existing Conditions**

**Monitoring Location: Indiana Street**

**Primary Noise Source:**

**Secondary Noise Source(s):**

<b>Monitoring Period</b>		<b>Monitored Leq</b>	
Midnight	0 / 24	49.0	<b>Leq Morning Peak Hour 7:00-10:00 a.m.</b>
am	1:00	47.9	<input type="text" value="61"/> dBA
	2:00	49.4	
	3:00	48.0	<b>Leq Evening Peak Hour 4:00-8:00 p.m.</b>
	4:00	52.0	<input type="text" value="59"/> dBA
	5:00	55.6	
	6:00	60.2	<b>Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)</b>
	7:00	62.1	<input type="text" value="54"/> dBA
	8:00	61.2	
	9:00	58.4	<b>Leq Daytime 7:00 am-10:00 p.m.</b>
	10:00:	58.3	<input type="text" value="59"/> dBA
	11:00:	59.3	
	12:00:	60.0	<b>Leq 24-Hour</b>
pm	1:00	58.0	<input type="text" value="58"/> dBA
	2:00	58.7	
	3:00	59.2	<b>Ldn: 10 dB adjustment between 10:00 p.m. &amp; 7:00 a.m.</b>
	4:00	59.1	<input type="text" value="62"/> dBA
	5:00	59.6	
	6:00	59.9	<b>CNEL: 5 dB adjustment between 7:00p.m. &amp; 10:00 p.m., &amp; 10 dB</b>
	7:00	58.5	<input type="text" value="62"/> dBA <b>adjustment between 10:00 p.m. &amp; 7:00 a.m.</b>
	8:00	57.4	
	9:00	58.3	
	10:00:	54.8	<b>Difference between CNEL and Ldn</b>
pm	11:00:	55.2	<input type="text" value="CNEL - Ldn 0.454119832"/>

Site:            0        Model: 720      Firmware rev: 1.634  
 Location:  
 Date:           11Mar 09 09:19:18

	Overall	Current
Run Time	25:04:16.5	25:04:16.5
Start Time	11Mar 09 09:19:18	11Mar 09 09:19:18
TWA: Leq	43.5	Leq 43.5
SEL	93.1	93.1
Lmax	88.8	88.8
Lmax Time	11Mar 09 09:19:26	11Mar 09 09:19:26
Lmin	36.7	36.7
Lmin Time	12Mar 09 01:43:21	12Mar 09 01:43:21
Peak	114.7	114.7
Peak Time	11Mar 09 09:19:26	11Mar 09 09:19:26
Unweighted Peak	129.7	129.7
Uwpk Time	11Mar 09 09:19:25	11Mar 09 09:19:25
Dose	0.0	0.0
Projected Dose	0.0	0.0
Threshold	80	80
Criterion	90	90

Ln values  
 L10 = 61.8    L25 = 57.3    L50 = 51.3  
 L90 = 44.4    L99 = 37.5    L99 = 37.5

Ldn	0.0	Overall Leq	58.1	25:04:16.5
Cnel	0.0	Event Leq	68.3	00:56:07.9
Sound Exposure	0.0	Background Leq	56.1	24:08:08.6
Overloads	0			
Pause Time	00:00:00.0			

Records:  
 Run/Stop        2        Daily                    0  
 Event           589     Calibration            0  
 Interval        26       Time History            0