

**APPENDIX O**  
**Noise Buffer/Contour Analysis**



**Reading 1 of 1 at this receptor location.**

**Project:**

ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
Site 1 Pine Grove Baptist Church (Located on Pine Grove Rd, Off Al Hwy 13,  
South of Livingston)

**Receptor Location (or #):**

**Landuse Characteristics:**

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES
<b>Weather Data:</b>	Date:	9/27/2006	Time:	10:35
	Wind:	Light Breeze	Temperature:	70
	Weather:	Clear		

**Start Time:** 10:35 **End Time:** 10:50

Traffic Count Data

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
Automobiles:	Pine Grove Rd		
Medium Trucks:			
Heavy Trucks:	1		

Distance to Primary Noise Source:

North: 



**Background Noise:** Light Wind Rustling Tree Leaves

**Major Sources:** Wind Rustling Trees @ 10:46 ; @ 10:48 Loaded Log Truck Passes

**Unusual Events:**

**Other Notes:** Train Whistle just after shut down

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 2 Sumter Academy

**Landuse Characteristics:**

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES
<b>Weather Data:</b>	Date:	9/27/2006	Time:	12:52
	Wind:	None	Temperature:	82
	Weather:	Clear		

**Start Time:** 12:52 **End Time:** 1:07

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
Automobiles:	US Hwy 11 3		
Medium Trucks:	2		
Heavy Trucks:			

Distance to Primary Noise Source:

North: 



**Background Noise:** A/C in background

**Major Sources:** Gust of wind @ 1:00 and again @ 1:02 (reading @ 72dBA up from 52dBA)

**Unusual Events:** Car starting @ 1:03

**Other Notes:**

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 3 State Hwy 13, North of Pine Grove Rd

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter: Rion NL-21	Calibrator: _____	_____
<b>Calibration:</b>	Start Cal: (dB) 90	Finish Cal: (dB) 90	_____
<b>Response:</b>	Fast: NA	Slow: YES	_____
	A-Weighting? YES	Battery Check?: YES	_____


<b>Weather Data:</b>	Date: 9/27/2006	Time: 1:24	_____
	Wind: Light	Temperature: 84	_____
	Weather: Clear	_____	_____

**Start Time:** 1:24 **End Time:** 1:39

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	AL Hwy 13		
<b>Medium Trucks:</b>	8		
<b>Heavy Trucks:</b>	7		
	2		

**Distance to Primary Noise Source:** 40 ft      **North:** ↑



**Background Noise:** Light Breeze  
**Major Sources:** Gust of Wind @ 1:32  
**Unusual Events:** \_\_\_\_\_  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 4 AL Hwy 28

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

<b>Weather Data:</b>	Date:	9/27/2006	Time:	2:41
	Wind:	Light Breeze	Temperature:	85
	Weather:	Clear		_____

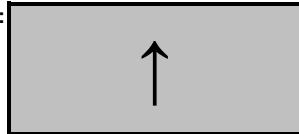
**Start Time:** 2:41 **End Time:** 2:56

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	AL Hwy 28 1		
<b>Medium Trucks:</b>	7		
<b>Heavy Trucks:</b>			

**Distance to Primary Noise Source:**

**North:**



**Background Noise:** \_\_\_\_\_

**Major Sources:** \_\_\_\_\_

**Unusual Events:** Dog Barking in Background, starting @ 2:42; Dog Barking again @ 2:50

**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 5; Off Peppermint Rd, Near US 43, South of Demopolis

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

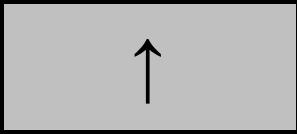
<b>Weather Data:</b>	Date:	9/27/2006	Time:	3:45
	Wind:	Light Breeze	Temperature:	85
	Weather:	Clear		


**Start Time:** 3:45 **End Time:** 4:00

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
Automobiles:	US Hwy 43		
Medium Trucks:	1		
Heavy Trucks:			

Distance to Primary Noise Source:

North: 



**Background Noise:** \_\_\_\_\_  
**Major Sources:** Traffic on US 43 @ 3:47  
**Unusual Events:** \_\_\_\_\_  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 6; US 43 South of Demopolis, North of CR 54

**Landuse Characteristics:**

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES
<b>Weather Data:</b>	Date:	9/27/2006	Time:	4:15
	Wind:	None	Temperature:	87
	Weather:	Clear		

**Start Time:** 4:15 **End Time:** 4:30

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	US Hwy 43 14		
<b>Medium Trucks:</b>	2		
<b>Heavy Trucks:</b>	1		

**Distance to Primary Noise Source:**

40 ft

**North:**



**Background Noise:** Traffic Steady

**Major Sources:** Big Truck @ 4:23

**Unusual Events:** 16 Vehicles pass in 2 min time span, 4:20 to 4:22

**Other Notes:** Transmission Line Overhead

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 7; AL Hwy 183 North of Uniontown

**Landuse Characteristics:** Oak Grove Primitive Baptist Church and Cemetary to the West; Catfish ponds to the East

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

<b>Weather Data:</b>	Date:	9/27/2006	Time:	5:04
	Wind:	None	Temperature:	87
	Weather:	Clear		

**Start Time:** 5:04 **End Time:** 5:17

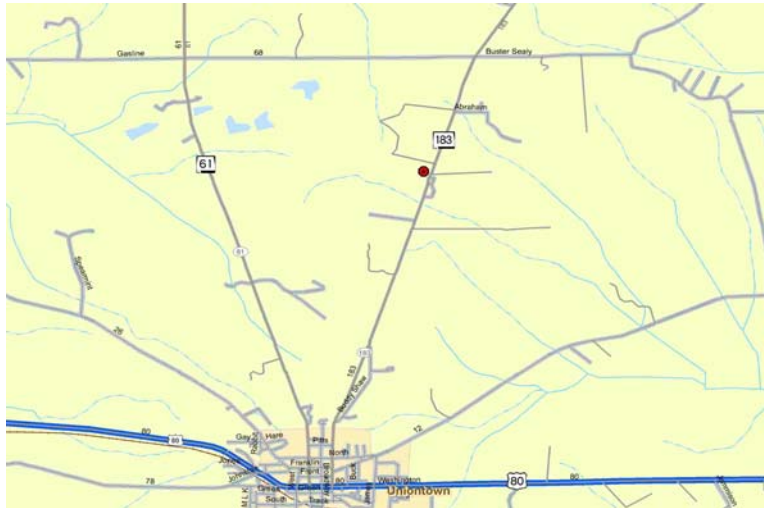
Traffic Count Data

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	AL Hwy 183		
<b>Medium Trucks:</b>	4		
<b>Heavy Trucks:</b>	3		
	2		

Distance to Primary Noise Source:

75 ft

North:



**Background Noise:** \_\_\_\_\_  
**Major Sources:** \_\_\_\_\_  
**Unusual Events:** Horn Blowing @ 5:11; Catfish Feeder Noise @ 5:05; Clang from Catfish Loading @ 5:15  
**Other Notes:** Church 75ft west of edge of Pavement

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 8 Rev. RL Flowers Rd, Off Perry County Rd 21

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

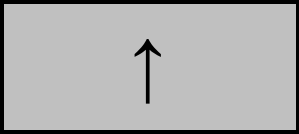
<b>Weather Data:</b>	Date:	9/27/2006	Time:	5:38
	Wind:	None	Temperature:	84
	Weather:	Clear		

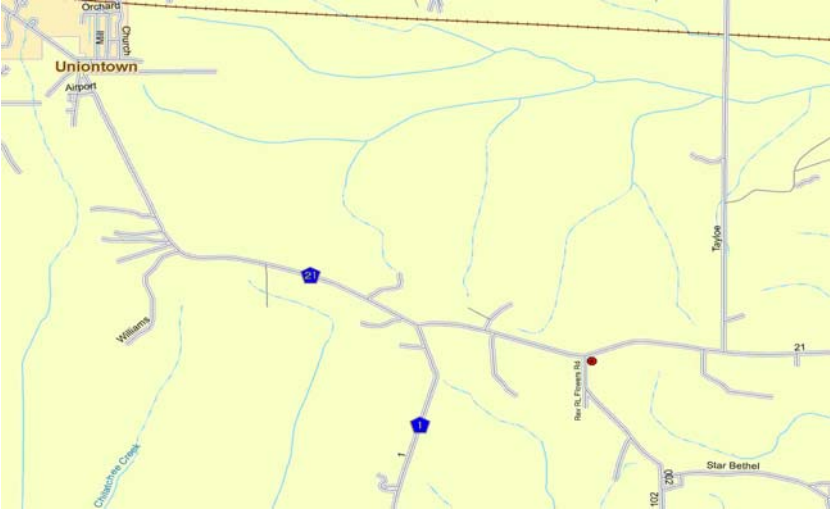
**Start Time:** 5:38 **End Time:** 5:53

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
Automobiles:	Perry Co Rd 21 3		
Medium Trucks:	1		
Heavy Trucks:			

Distance to Primary Noise Source:

North: 



**Background Noise:** Faint voices in background  
**Major Sources:** \_\_\_\_\_  
**Unusual Events:** Loud car stereo @ 5:42  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 9 County Rd 3, South of US Hwy 80

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

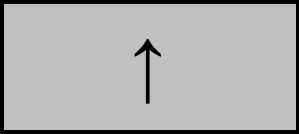
<b>Weather Data:</b>	Date:	9/28/2006	Time:	8:50
	Wind:	Light Breeze	Temperature:	70
	Weather:	Clear		


**Start Time:** 8:50 **End Time:** 9:05

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	Co Rd 3 0		
<b>Medium Trucks:</b>	5		
<b>Heavy Trucks:</b>	2		

Distance to Primary Noise Source:

North: 



**Background Noise:** Traffic on US Hwy 80  
**Major Sources:** Log Truck passing on US Hwy 80 @ 8:55  
**Unusual Events:** \_\_\_\_\_  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 10 Dallas Co Rd 373, Off Co Rd 3, North of US Hwy 80

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

<b>Weather Data:</b>	Date:	9/28/2006	Time:	9:19
	Wind:	Light Breeze	Temperature:	74
	Weather:	Clear		

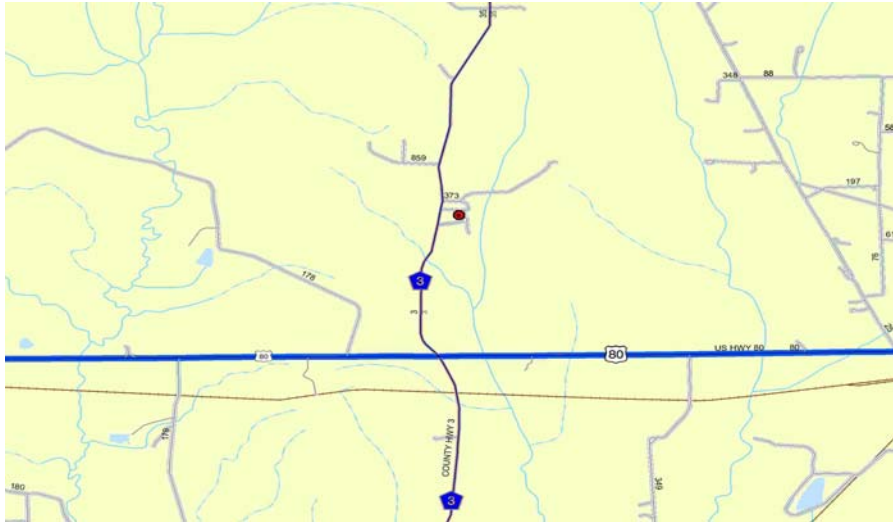
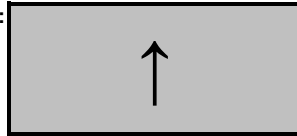
**Start Time:** 9:19 **End Time:** 9:47

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	Co Rd 3 0		
<b>Medium Trucks:</b>	2		
<b>Heavy Trucks:</b>	0		

**Distance to Primary Noise Source:**

**North:**



**Background Noise:** Farm Operations in Background

**Major Sources:** \_\_\_\_\_

**Unusual Events:** Small Puppy Yelp @ 9:34

**Other Notes:** No traffic on Co Rd 373

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 11 Dallas Co Rd 165 (Gravel), South of Co Rd 3

**Landuse Characteristics:**

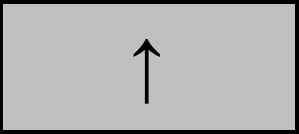
<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES
<b>Weather Data:</b>	Date:	9/28/2006	Time:	10:23
	Wind:	Breezy	Temperature:	79
	Weather:	Clear		


**Start Time:** 10:23 **End Time:** 10:38

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	Co Rd 3 2		
<b>Medium Trucks:</b>	0		
<b>Heavy Trucks:</b>	0		

Distance to Primary Noise Source:

North: 



**Background Noise:** Occasional traffic to the North on Co Rd 3  
**Major Sources:** Car passes @ 10:27; Car passes @ 10:37  
**Unusual Events:**  
**Other Notes:** Planted pines (approx 20 yrs) on both sides of road

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 12 Binker Dr, Off Dallas Co Rd 44, South of US Hwy 80

**Landuse Characteristics:** \_\_\_\_\_

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	_____
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES

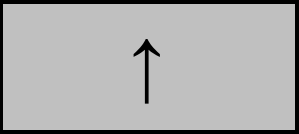
<b>Weather Data:</b>	Date:	9/28/2006	Time:	11:10
	Wind:	Breezy	Temperature:	80
	Weather:	Clear		


**Start Time:** 11:10 **End Time:** 11:25

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	Co Rd 44		
<b>Medium Trucks:</b>	0		
<b>Heavy Trucks:</b>	0		

Distance to Primary Noise Source:

North: 



**Background Noise:** \_\_\_\_\_  
**Major Sources:** Chainsaw Noise in Background @ 11:17  
**Unusual Events:** Tree Leaves Rustling & Birds Chirping @ 11:24  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 13 Dallas Co Rd 402, East of AL Hwy 41

**Landuse Characteristics:**

<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES
<b>Weather Data:</b>	Date:	9/28/2006	Time:	12:30
	Wind:	Light Breeze	Temperature:	80
	Weather:	Clear		

**Start Time:** 12:30    **End Time:** 12:45

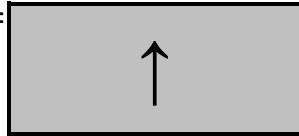
**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	AL Hwy 41 Steady Traffic		
<b>Medium Trucks:</b>			
<b>Heavy Trucks:</b>			

**Distance to Primary Noise Source:**

300 ft

**North:**



**Background Noise:** Steady Traffic on AL Hwy 41

**Major Sources:** \_\_\_\_\_  
**Unusual Events:** \_\_\_\_\_  
**Other Notes:** \_\_\_\_\_

**Reading 1 of 1 at this receptor location.**

**Project:** ALDOT Project No. NCPD-PE02-(910) Volkert Project No. 514601 I-85 Extension  
**Receptor Location (or #):** Site 14 Shell Station on US Hwy 80

**Landuse Characteristics:**

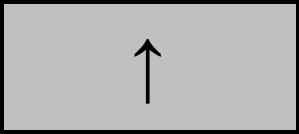
<b>Equipment:</b>	Meter:	Rion NL-21	Calibrator:	
<b>Calibration:</b>	Start Cal: (dB)	90	Finish Cal: (dB)	90
<b>Response:</b>	Fast:	NA	Slow:	YES
	A-Weighting?	YES	Battery Check?:	YES


<b>Weather Data:</b>	Date:	9/28/2006	Time:	1:15
	Wind:	Light Breeze	Temperature:	85
	Weather:	Clear		

**Start Time:** 1:15 **End Time:** 1:30

**Traffic Count Data**

Road:	Primary Noise Source	Other (Intersecting Street)	Other (Intersecting Street)
<b>Automobiles:</b>	<b>US Hwy 80</b> Steady Traffic		
<b>Medium Trucks:</b>			
<b>Heavy Trucks:</b>			

**Distance to Primary Noise Source:**  **North:** 



**Background Noise:** Heavy Traffic on US Hwy 80  
**Major Sources:** \_\_\_\_\_  
**Unusual Events:** \_\_\_\_\_  
**Other Notes:** \_\_\_\_\_