Appendix N

Noise Data and Photographs
General Construction analysis

### R1 Construct Pipelines

<table>
<thead>
<tr>
<th>Source</th>
<th>Ref level</th>
<th>ref dist.</th>
<th>rec. dist.</th>
<th>rec. level</th>
<th>level round</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck</td>
<td>88</td>
<td>50</td>
<td>71</td>
<td>84.95423</td>
<td>85</td>
</tr>
<tr>
<td>Backhoe</td>
<td>80</td>
<td>50</td>
<td>71</td>
<td>76.95423</td>
<td>77</td>
</tr>
<tr>
<td>combined</td>
<td></td>
<td></td>
<td></td>
<td>85.59315</td>
<td>86</td>
</tr>
</tbody>
</table>

### R1 Construct Residences

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<th>ref dist.</th>
<th>rec. dist.</th>
<th>rec. level</th>
<th>level round</th>
</tr>
</thead>
<tbody>
<tr>
<td>truck</td>
<td>88</td>
<td>50</td>
<td>52</td>
<td>87.65933</td>
<td>88</td>
</tr>
<tr>
<td>grader</td>
<td>85</td>
<td>50</td>
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<tr>
<td>combined</td>
<td></td>
<td></td>
<td></td>
<td>89.42368</td>
<td>89</td>
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</table>

### R2 Construct Road

<table>
<thead>
<tr>
<th>Source</th>
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<th>ref dist.</th>
<th>rec. dist.</th>
<th>rec. level</th>
<th>level round</th>
</tr>
</thead>
<tbody>
<tr>
<td>paver</td>
<td>89</td>
<td>50</td>
<td>66</td>
<td>86.58852</td>
<td>87</td>
</tr>
<tr>
<td>compactor</td>
<td>82</td>
<td>50</td>
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<tr>
<td>combined</td>
<td></td>
<td></td>
<td></td>
<td>87.37862</td>
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</table>

### R3 Construct Road

<table>
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<th>rec. dist.</th>
<th>rec. level</th>
<th>level round</th>
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</thead>
<tbody>
<tr>
<td>paver</td>
<td>89</td>
<td>50</td>
<td>68</td>
<td>86.32922</td>
<td>86</td>
</tr>
<tr>
<td>compactor</td>
<td>82</td>
<td>50</td>
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<td>combined</td>
<td></td>
<td></td>
<td></td>
<td>87.11932</td>
<td>87</td>
</tr>
</tbody>
</table>
Noise Measurement Data: SCARF Project

<table>
<thead>
<tr>
<th>Receiver</th>
<th>Time</th>
<th>Date</th>
<th>Duration</th>
<th>Leq</th>
<th>Lmax</th>
<th>Lmin</th>
<th>L10</th>
<th>L50</th>
<th>L90</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST1</td>
<td>15:10 - 15:30</td>
<td>2/26/2013</td>
<td>20</td>
<td>43</td>
<td>57</td>
<td>37</td>
<td>45</td>
<td>41</td>
<td>38</td>
</tr>
<tr>
<td>ST2</td>
<td>15:45 - 16:00</td>
<td>2/26/2013</td>
<td>15</td>
<td>53</td>
<td>62</td>
<td>50</td>
<td>54</td>
<td>52</td>
<td>51</td>
</tr>
<tr>
<td>ST3</td>
<td>16:25 - 16:45</td>
<td>2/26/2013</td>
<td>15</td>
<td>44</td>
<td>61</td>
<td>40</td>
<td>41</td>
<td>45</td>
<td>43</td>
</tr>
<tr>
<td>ST4</td>
<td>10:30 - 10:50</td>
<td>2/27/2013</td>
<td>20</td>
<td>55</td>
<td>65</td>
<td>54</td>
<td>55</td>
<td>55</td>
<td>54</td>
</tr>
<tr>
<td>ST5</td>
<td>11:05 - 11:25</td>
<td>2/27/2013</td>
<td>15</td>
<td>48</td>
<td>67</td>
<td>44</td>
<td>44</td>
<td>47</td>
<td>45</td>
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<tr>
<td>ST6</td>
<td>12:00 - 12:20</td>
<td>2/27/2013</td>
<td>20</td>
<td>48</td>
<td>67</td>
<td>44</td>
<td>44</td>
<td>47</td>
<td>45</td>
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<tr>
<td>ST7</td>
<td>12:45 - 1:10</td>
<td>2/27/2013</td>
<td>25</td>
<td>38</td>
<td>52</td>
<td>40</td>
<td>41</td>
<td>44</td>
<td>39</td>
</tr>
<tr>
<td>LT1</td>
<td>14:45 - 14:45</td>
<td>2/26/2013 - 2/27/2013</td>
<td>24 Hours</td>
<td>46</td>
<td>80</td>
<td>39</td>
<td>46</td>
<td>43</td>
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</table>
### URS Acoustics and Noise Control Practice

#### FIELD NOISE MEASUREMENT DATA FORM

**Project Name:** SCAKE  
**Project #:**  
**Date:** 2/24  
**Page:** 1 of 6

**Monitoring Location:** 84-hr noise monitor  
**Sound Level Meter**  
- **Model #:** 720  
- **Serial #:** 0434

**Field Calibration**  
- **Model #:** Cal 200  
- **Serial #:** 3704  
- **Calibration Level (dBA):** 94/14  
- **Response:** Slow  
- **Windscreen:** Yes

**Weather Data**  
- **Model #:** SEG150  
- **Serial #:** 03305  
- **Wind:** Steady/Gusty/Calm  
- **Precipitation:** Yes (explain)  
- **Temp (°F):** 71.8  
- **RH (%):** 32.7

**Topo:** Flat/Hilly  
**Terrain:** Hard/Soft/Mixed/Snow  
**GPS Coordinates (at SLM location):** 36°59'14" N, 119°43'22" W  
**Avg Wind Speed/Direction:**

<table>
<thead>
<tr>
<th>ID</th>
<th>Start Time</th>
<th>Stop Time</th>
<th>L_era</th>
<th>L_min</th>
<th>L_max</th>
<th>L_10</th>
<th>L_50</th>
<th>L_90</th>
<th>Notes/Events</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2:45 pm</td>
<td>3:04 pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3:04 pm siren</td>
</tr>
</tbody>
</table>

**Roadway Name/Dir**  
- compass  

**Site Diagram:**

- Landslides
- Roadway
- Structures
- Trees

**Speed (post/obs):**  
**Number of Lanes:**  
**Width (pave/row):**  
**1- or 2-way:**  
**Bus Stops:**  
**Stoplights:**  
**Motorcycles:**  
**Automobiles:**  
**Medium Trucks:**  
**Heavy Trucks:**  
**Buses:**  
**Count duration:**

---

**Other Noise Sources:** distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

**Additional Notes/Comments:**

Photos Taken? Yes/No  
Additional Notes/Comments:

---

**URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109**
**FIELD NOISE MEASUREMENT DATA FORM**

**Project Name:** SCARF  
**Monitoring Location:** S/L Short Term - Brook Trout  
**Analyst:**

<table>
<thead>
<tr>
<th>Sound Level Meter</th>
<th>Field Calibration</th>
<th>Weather Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model #: 820</td>
<td>Model #: Cal 800</td>
<td>Model #: 8200</td>
</tr>
<tr>
<td>Serial #: 1414</td>
<td>Serial #: 8704</td>
<td>Serial #: 8704</td>
</tr>
<tr>
<td>Weighting: A / C / Flat</td>
<td>Calibration Level (dBA): 94/114</td>
<td>Wind: Steady/Gusty/Calm</td>
</tr>
<tr>
<td>Response: Slow / Fast / Impl</td>
<td>Pre-Test: 114 dBA</td>
<td>Precipitation: Yes (explain) No</td>
</tr>
<tr>
<td>Windscreen: Yes / No (explain)</td>
<td>Post-Test: dBA</td>
<td>Avg Wind Speed/Direction:</td>
</tr>
<tr>
<td>Topo: Flat / Hilly</td>
<td>GPS Coordinates (at SLM location): N0256234, E096914</td>
<td>Temp (°F): 71.8 RH (%): 30.2</td>
</tr>
<tr>
<td>Terrain: Hard/Soft/Mixed/Snow</td>
<td></td>
<td>Bar Psr (Hg): 29.70 Cloud Cover (%): 0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ID</th>
<th>Start Time</th>
<th>Stop Time</th>
<th>L_90</th>
<th>L_50</th>
<th>L_10</th>
<th>L_min</th>
<th>L_max</th>
<th>L_90</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>15:10</td>
<td></td>
<td>41.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15:15</td>
<td></td>
<td>43.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15:20</td>
<td></td>
<td>41.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15:25</td>
<td></td>
<td>43.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes/Events:**
- Dogs Barking (small dog)
- Tractor passing through
- Internal.  Internal—connection from pavement
- Truck leaving/pausing

**Roadway Name/Dir:**
- Compass

**Site Diagram:**

**Photos Taken?** Yes/No

**Additional Notes/Comments:**

- Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/roosts perching/birds vocalizing/Insects
- Additional Notes and Sketches on Reverse

**URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109**
FIELD NOISE MEASUREMENT DATA FORM

<table>
<thead>
<tr>
<th>Project Name: SCAKF</th>
<th>Project #:</th>
<th>Date:</th>
<th>Page 3 of 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitoring Location: ST 5 - Aeration Tanks</td>
<td>Weather Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sound Level Meter</td>
<td>Model #: 820</td>
<td>Field Calibration</td>
<td>Model #: CAL 30</td>
</tr>
<tr>
<td>Serial #: 1414</td>
<td>Model #:</td>
<td>Serial #: 3704</td>
<td></td>
</tr>
<tr>
<td>Weighting: A / C / Flat</td>
<td>Calibration Level (dBA): 94 / 114</td>
<td>Wind: Steady/Gusty/Calm</td>
<td></td>
</tr>
<tr>
<td>Response: Slow / Fast / Impl</td>
<td>Pre-Test: 68.4 dBA</td>
<td>Precipitation: Yes (explain): No</td>
<td></td>
</tr>
<tr>
<td>Windscreen: Yes / No (explain)</td>
<td>Post-Test: dBA</td>
<td>Avg Wind Speed/Direction: 8</td>
<td></td>
</tr>
<tr>
<td>Topo: Flat / Hilly</td>
<td>GPS Coordinates (at SLM location):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terrain: Hard/Soft/Mixed/Snow</td>
<td>025 069 53 909 794 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>Start Time</td>
<td>Stop Time</td>
<td>L&lt;sub&gt;eq&lt;/sub&gt;</td>
</tr>
<tr>
<td>----</td>
<td>-----------</td>
<td>----------</td>
<td>------------</td>
</tr>
<tr>
<td>15:45</td>
<td>58.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>57.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>58.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Roadway Name/Dir: compass

Site Diagram:

Photos Taken? Yes/No

Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/Insects

Additional Notes and Sketches on Reverse.
Sound Level Meter
Model #: 620
Serial #: 1414
Weighting: A / C / Flat
Response: Slow / Fast / Impl
Windscreen: Yes / No (explain)

Field Calibration
Model #: Cal 260
Serial #: 3704
Calibration Level (dBA): 94 / 114
Pre-Test dBA
Post-Test dBA

Weather Data
Model #: Springer
Serial #: 03386
Windy: Steady/Gusty/Calm
Precipitation: Yes (explain) / No
Avg Wind Speed/Direction:

Topo: Flat / Hilly
Terrain: Hard/Soft/Mixed/Snow
GPS Coordinates (at SLM location): 113 025 816 7 409 776 4

Notes/Events
Major noise from

Speed (post/obs)*
Number of Lanes
Width (pave/row)
1- or 2-way
Grade
Bus Stops
Stoplights
Motorcycles
Automobiles
Medium Trucks
Heavy Trucks
Buses
Count duration

Roadway Name/Dir: compass

Site Diagram:

Photos Taken? Yes/No

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes/Comments:

URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109
### Field Noise Measurement Data Form

**Project Name:** SCARP  
**Project #:**  
**Date:** 2/19  
**Page:** 5 of 7

#### Sound Level Meter
- **Model #:** 820  
- **Serial #:** 1414  
- **Weighting:** A/C / Flat  
- **Field Calibration:**  
  - **Model #:**  
  - **Serial #:**  
  - **Calibration Level (dBA):** 94 / 114  
- **Response:** Slow / Fast / Impl  
- **Windscreen:** Yes / No (explain)  
- **Weather Data:**  
  - **Model #:** Skymaster  
  - **Serial #:**  
  - **Wind:** Steady/Gusty/Calm  
  - **Precipitation:** Yes (explain) / No  
  - **Avg Wind Speed/Direction:** 0.0  

#### Site Details
- **GPS Coordinates (at SLM location):** NS 0258409; 9097080  
- **Temp (°F):** 63.2  
- **RH (%):** 0.0  
- **Bar Psr (Hg):** 29.94  
- **Cloud Cover (%):** 41%

#### Notes/Events
- Aerodynamic Taper - Constant 1a  
- 1 car  
- 1 car  
- 1 car

#### Roadway Name/Dir
- Compass  

#### Site Diagram:

---

**Photos Taken?** Yes/No  
**Additional Notes/Comments:**  
**Other Noise Sources:** distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects  
**Additional Notes and Sketches on Reverse**

---

**URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109**
### Field Noise Measurement Data Form

**Project Name:**

**Project #:**

**Date:**

**Page:**

#### Monitoring Location:
- **Sound Level Meter**
  - **Model #:** 820
  - **Serial #:** 1414
  - **Weighting:** A-C / Flat
  - **Response:** Slow / Fast / Impl
  - **Windscreen:** Yes / No (explain)
  - **Topo:** Flat / Hilly
  - **Terrain:** Hard/Soft/Mixed/Snow

#### Field Calibration
- **Model #:** cal 200
- **Serial #:** 8784
- **Calibration Level (dBA):** 94/114
- **Pre-Test:** 14 dBA
- **Post-Test:** 

#### Weather Data
- **Model #:** skymaster
- **Serial #:**
- **Wind:** Steady/Gusty/Calm
- **Precipitation:** Yes (explain) / No
- **Avg Wind Speed/Direction:**
- **Temp (°F):**
- **RH (%):**
- **Bar Psr (Hg):**
- **Cloud Cover (%):**

#### GPS Coordinates (at SLM location)
- **15 0256130- 0694733**

#### Roadway Name/Dir
- **compass**

#### Additional Information:
- **Notes/Events:**
  - **Majority of noise from**
  - **Birds, late running,**
  - **Talking**

#### Roadway Data
- **Roadway Name/Dir**
- **Speed (post/obs):**
- **Number of Lanes**
- **Width (pave/row):**
- **1- or 2-way**
- **Grade**
- **Bus Stops**
- **Stoplights**
- **Motorcycles**
- **Automobiles**
- **Medium Trucks**
- **Heavy Trucks**
- **Buses**
- **Count duration**

#### Site Diagram:
- **Wain Farn**
- **251°**

### Additional Notes:
- **Other Noise Sources:**
  - Distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects
- **Additional Notes and Sketches on Reverse**

---

**URS ANCP, Field Noise Measurement Form, Vers. 1.2 111109**
Project Name: STX / Campground - Lost Hills 19-20
Project #: 201
Monitoring Location: STX / Campground - Lost Hills 19-20
Date: 05/31/20
Analyst: 

**Sound Level Meter**
- Model #: 820
- Serial #: 1414
- Weighing: A/C / Flat
- Response: Slow / Fast / Impl
- Windscreen: Yes / No (explain)
- Topo: Flat / Hilly
- Terrain: Hard/Soft/Mixed/Snow

**Field Calibration**
- Model #: Cal 200
- Serial #: 3704
- Calibration Level (dBA): 94 / 114
- Pre-Test: 114 dBA
- Post-Test: 

**Weather Data**
- Model #: skewometry
- Serial #: 023240
- Wind: Steady/Gusty/Calm
- Precipitation: Yes (explain) / No
- Avg Wind Speed/Direction: 5 mph
- Temp (°F): 
- RH (%): 
- Bar Psr (Hg): 
- Cloud Cover (%): 

**GPS Coordinates (at SLM location)**
- WGS 84: 40°07'24.1" 75°25'50.9"

**ID**
- **Start Time**
  - 12:00
  - 12:05
  - 12:10
  - 12:15
- **Stop Time**
- **L_{eq}**
  - 57.2
  - 57.1
  - 56.3
  - 57.9
- **L_{min}**
- **L_{max}**
- **L_{10}**
- **L_{50}**
- **L_{90}**

**Notes/Events**
- Traffic
- None from squawks
- Birds

**Roadway Name/Dir**
- Speed (post/obs)*
- Number of Lanes
- Width (pave/row)
- 1- or 2-way
- Grade
- Bus Stops
- Stoplights
- Motorcycles
- Automobiles
- Medium Trucks
- Heavy Trucks
- Buses
- Count duration

**compas**

**Site Diagram:**

Photos Taken? Yes/No
Additional Notes/Comments:

Other Noise Sources: distant: aircraft/roadway traffic/trains/landscaping/rustling leaves/children playing/dogs barking/birds vocalizing/insects

Additional Notes and Sketches on Reverse
**URS Acoustics and Noise Control Practice**

**FIELD NOISE MEASUREMENT DATA FORM**

<table>
<thead>
<tr>
<th>Project Name:</th>
<th>Project #:</th>
<th>Date:</th>
<th>Page</th>
<th>Analyst:</th>
</tr>
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<tbody>
<tr>
<td>SCAFP</td>
<td></td>
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</table>

**Monitoring Location:** JT - 7 Waldby & Bug

**Sound Level Meter**

<table>
<thead>
<tr>
<th>Model #:</th>
<th>Serial #:</th>
<th>Weighting</th>
<th>Calibration Level (dBA)</th>
<th>Response</th>
<th>Windscreen</th>
<th>Topo</th>
<th>Terrain</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 20</td>
<td>1414</td>
<td>A/C / Flat</td>
<td>94 / 114</td>
<td>Slow / Fast / Impl</td>
<td>Yes / No (explain)</td>
<td>Flat / Hilly</td>
<td>Hard / Soft / Mixed / Snow</td>
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</tbody>
</table>

**Field Calibration**

<table>
<thead>
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<th>Serial #:</th>
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<tbody>
<tr>
<td>Cal 20</td>
<td>5104</td>
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**Weather Data**

<table>
<thead>
<tr>
<th>Model #:</th>
<th>Serial #:</th>
<th>Wind: Steady / Gusty / Calm</th>
<th>Precipitation: Yes (explain) / No</th>
<th>Avg Wind Speed / Direction:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.0</td>
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</tbody>
</table>

**GPS Coordinates (at SLM location)**

| 11S 02574930 4094319 |

**Temp (°F):**

**RH (%):**

**Bar Psr (Hg):**

**Cloud Cover (%):**

<table>
<thead>
<tr>
<th>ID</th>
<th>Start Time</th>
<th>Stop Time</th>
<th>L_{eq}</th>
<th>L_{min}</th>
<th>L_{max}</th>
<th>L_{10}</th>
<th>L_{50}</th>
<th>L_{90}</th>
<th>Notes / Events</th>
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<tbody>
<tr>
<td>1</td>
<td>12:45</td>
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<td></td>
<td></td>
<td>intermittent barking from more</td>
</tr>
<tr>
<td></td>
<td>12:50</td>
<td>13:20</td>
<td>41.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12:55</td>
<td>13:30</td>
<td>42.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>people walking / talking</td>
</tr>
<tr>
<td></td>
<td>1:00</td>
<td>1:30</td>
<td>42.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:05</td>
<td>1:35</td>
<td>39.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Roadway Name / Dir:**

**Site Diagram:**

**compass**

**Speed (post / obs):**

<table>
<thead>
<tr>
<th>Number of Lanes</th>
<th>Width (pave / row)</th>
<th>1- or 2- Way</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Grade:**

**Bus Stops:**

**Stoplights:**

**Motorcycles:**

**Automobiles:**

**Medium Trucks:**

**Heavy Trucks:**

**Buses:**

**Count duration:**

**- note coordinate system / Speed estimated by Radar / Driving / Observation**

**Photos Taken? Yes / No**

**Additional Notes / Comments:**

Other Noise Sources: distant: aircraft / roadway traffic / trains / landscaping / rustling leaves / children playing / dogs barking / birds vocalizing / Insects

Additional Notes and Sketches on Reverse