| **Noise Variation** | **Data (Subset by)** | **Variable** | **Test Statistic** | **N** | **P-Value** | **Cond. R²** | **Marg. R²** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Spatial | Daily Average | Rural/Urban | -4.269 | 295 | < 0.001 \*\*\* | 0.79 | 0.36 |
| Daily Average | Potential Traffic Impact (PC1) | 5.856 | 295 | < 0.001 \*\*\* | 0.81 | 0.51 |
| Substrate | -5.904 | 295 | < 0.001 \*\*\* |
| Potential Traffic Impact (PC1) x Substrate | -0.691 | 295 | 0.490 |
| Daily Average (Rural) | Potential Traffic Impact (PC1) | -0.081a | 78 | 0.935 | 0.64 | 0.05 |
| Substrate | 1.006a | 78 | 0.318 |
| Potential Traffic Impact (PC1) x Substrate | 1.468a | 78 | 0.146 |
| Daily Average (Urban) | Potential Traffic Impact (PC1) | 4.152 | 217 | < 0.001 \*\*\* | 0.76 | 0.44 |
| Substrate | -3.212 | 217 | 0.002 \*\* |
| Potential Traffic Impact (PC1) x Substrate | 0.573 | 217 | 0.567 |
| Temporal | Daily Average (2020) | Visit | 7.360b | 268 | 0.061 . | 0.75 | 0.39 |
| Rural/Urban | 20.490b | 268 | < 0.001 \*\*\* |
| Visit x Rural/Urban | 3.490b | 268 | 0.322 |
| Daily Average (2020, Rural) | Precent Weekly Harvest | 1.874a | 78 | 0.065 . | 0.57 | 0.02 |
| aResults from a robust linear mixed effects model | | | | | | | |
| bResults from a Type II Wald Chi-Squared test of a linear mixed effect model (test statistic = Chi-Squared) | | | | | | | |