

## PAQONE 7.0 Test Results - Air Quality Benefits with Totals

### SR 2004 Freedom-Crider Rd./SR 3020 Freedom Road (SR 2006 Lovi Road to Powell Road) Signal Upgrades & Widening

| No. of Signals | Project Type | Project Description                             | County | Project Year | Transportation Impacts |          |          | Emission Impacts (Kg/Day) |              |              |              |
|----------------|--------------|---|--------|--------------|------------------------|----------|----------|---------------------------|--------------|--------------|--------------|
|                |              |   |        |              | VT                     | VMT      | Bus VMT  | VOC                       | CO           | NOx          | PM 2.5       |
| 1              | HII          | Traffic Flow Imp's - SR 2004 Freedom Crider Rd. | Beaver | 2022         | 0                      | 0        | 0        | -0.12                     | -1.08        | -0.24        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 3020 Freedom Rd.        | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.19        | -0.26        | -0.02        |
| <b>2</b>       |              | <b>Totals</b>                                   |        |              | <b>0</b>               | <b>0</b> | <b>0</b> | <b>-0.25</b>              | <b>-2.27</b> | <b>-0.50</b> | <b>-0.04</b> |

### SR 3020 Freedom Road (Powell Road to Haines School Road) Signal Upgrades & Widening

| No. of Signals | Project Type | Project Description                       | County | Project Year | Transportation Impacts |          |          | Emission Impacts (Kg/Day) |              |              |              |
|----------------|--------------|---|--------|--------------|------------------------|----------|----------|---------------------------|--------------|--------------|--------------|
|                |              |   |        |              | VT                     | VMT      | Bus VMT  | VOC                       | CO           | NOx          | PM 2.5       |
| 1              | HII          | Traffic Flow Imp's - SR 3020 Freedom Road | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.19        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 3020 Freedom Road | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.19        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 3020 Freedom Road | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.19        | -0.26        | -0.02        |
| <b>3</b>       |              | <b>Totals</b>                             |        |              | <b>0</b>               | <b>0</b> | <b>0</b> | <b>-0.39</b>              | <b>-3.57</b> | <b>-0.78</b> | <b>-0.06</b> |

### SR 228 (I-79 to Franklin Road) Signal Upgrades & Widening

| No. of Signals | Project Type | Project Description         | County | Project Year | Transportation Impacts |          |          | Emission Impacts (Kg/Day) |              |              |              |
|----------------|--------------|-----------------------------|--------|--------------|------------------------|----------|----------|---------------------------|--------------|--------------|--------------|
|                |              |                             |        |              | VT                     | VMT      | Bus VMT  | VOC                       | CO           | NOx          | PM 2.5       |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| <b>5</b>       |              | <b>Totals</b>               |        |              | <b>0</b>               | <b>0</b> | <b>0</b> | <b>-0.65</b>              | <b>-6.00</b> | <b>-1.30</b> | <b>-0.10</b> |

### SR 228 (Franklin Road to Mars R.R. Bridge) Signal Upgrades & Widening

| No. of Signals | Project Type | Project Description         | County | Project Year | Transportation Impacts |          |          | Emission Impacts (Kg/Day) |              |              |              |
|----------------|--------------|-----------------------------|--------|--------------|------------------------|----------|----------|---------------------------|--------------|--------------|--------------|
|                |              |                             |        |              | VT                     | VMT      | Bus VMT  | VOC                       | CO           | NOx          | PM 2.5       |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| 1              | HII          | Traffic Flow Imp's - SR 228 | Butler | 2022         | 0                      | 0        | 0        | -0.13                     | -1.20        | -0.26        | -0.02        |
| <b>8</b>       |              | <b>Totals</b>               |        |              | <b>0</b>               | <b>0</b> | <b>0</b> | <b>-1.04</b>              | <b>-9.60</b> | <b>-2.08</b> | <b>-0.16</b> |

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