

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 00-01)

Traffic (Hour: 00-01)

| Hour: 00-01 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | Tong Bin Lane | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 15 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | Yip Kan St | 1 | 30 | 15 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | Wong Chuk Hang Road | 2 | 590 | 250 | 95 | 0 | 55 | 30 | 5 | 15 | 30 | 15 | 10 | 10 | 5 | 5 | 40 | 20 | 42.37 | 16.10 | 0.00 | 9.32 | 5.08 | 0.85 | 2.54 | 5.08 | 2.54 | 1.69 | 1.69 | 0.85 | 0.85 | 0.85 | 6.78 | 3.39 | | |
| 6 | Wong Chuk Hang Road | 2 | 690 | 285 | 110 | 0 | 65 | 40 | 5 | 20 | 35 | 15 | 15 | 10 | 5 | 5 | 50 | 25 | 41.30 | 15.94 | 0.00 | 9.42 | 5.80 | 0.72 | 2.90 | 5.07 | 2.17 | 2.17 | 1.45 | 0.72 | 0.72 | 0.72 | 7.25 | 3.62 | | |
| 7 | Wong Chuk Hang Road | 2 | 285 | 85 | 45 | 0 | 20 | 10 | 0 | 5 | 30 | 5 | 5 | 5 | 5 | 5 | 55 | 5 | 29.82 | 15.79 | 0.00 | 7.02 | 3.51 | 0.00 | 1.75 | 10.53 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 19.30 | 1.75 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 400 | 185 | 65 | 0 | 40 | 25 | 5 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 10 | 15 | 46.25 | 16.25 | 0.00 | 10.00 | 6.25 | 1.25 | 2.50 | 2.50 | 2.50 | 1.25 | 1.25 | 1.25 | 0.00 | 2.50 | 3.75 | | | |
| 9 | Wong Chuk Hang Road | 2 | 415 | 205 | 60 | 0 | 20 | 10 | 5 | 10 | 15 | 10 | 10 | 5 | 5 | 5 | 45 | 5 | 49.40 | 14.46 | 0.00 | 4.82 | 2.41 | 1.20 | 2.41 | 3.61 | 2.41 | 2.41 | 1.20 | 1.20 | 1.20 | 1.20 | 10.84 | 1.20 | | |
| 10 | Wong Chuk Hang Road | 2 | 305 | 150 | 45 | 0 | 15 | 10 | 5 | 5 | 10 | 5 | 5 | 5 | 5 | 5 | 30 | 5 | 49.18 | 14.75 | 0.00 | 4.92 | 3.28 | 1.64 | 1.64 | 3.28 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 1.64 | 9.84 | 1.64 | | |
| 11 | Wong Chuk Hang Road | 2 | 245 | 125 | 40 | 0 | 10 | 5 | 5 | 5 | 10 | 5 | 5 | 5 | 5 | 5 | 25 | 5 | 51.02 | 16.33 | 0.00 | 4.08 | 2.04 | 2.04 | 2.04 | 4.08 | 2.04 | 2.04 | 2.04 | 0.00 | 0.00 | 0.00 | 10.20 | 2.04 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 480 | 225 | 80 | 0 | 50 | 30 | 5 | 15 | 10 | 10 | 10 | 5 | 5 | 5 | 10 | 20 | 46.88 | 16.67 | 0.00 | 10.42 | 6.25 | 1.04 | 3.13 | 2.08 | 2.08 | 2.08 | 1.04 | 1.04 | 1.04 | 0.00 | 2.08 | 4.17 | | |
| 13 | Wong Chuk Hang Road | 2 | 275 | 30 | 35 | 0 | 10 | 5 | 0 | 0 | 45 | 5 | 0 | 5 | 5 | 5 | 10 | 115 | 5 | 10.91 | 12.73 | 0.00 | 3.64 | 1.82 | 0.00 | 0.00 | 16.36 | 1.82 | 0.00 | 1.82 | 1.82 | 1.82 | 3.64 | 41.82 | 1.82 | |
| 14 | Wong Chuk Hang Road | 2 | 140 | 40 | 20 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 5 | 5 | 25 | 5 | 28.57 | 14.29 | 0.00 | 7.14 | 3.57 | 0.00 | 0.00 | 10.71 | 3.57 | 3.57 | 3.57 | 0.00 | 0.00 | 3.57 | 17.86 | 3.57 | | |
| 15 | Wong Chuk Hang Road | 2 | 615 | 255 | 100 | 0 | 60 | 35 | 5 | 15 | 30 | 15 | 10 | 10 | 5 | 5 | 45 | 20 | 41.46 | 16.26 | 0.00 | 9.76 | 5.69 | 0.81 | 2.44 | 4.88 | 2.44 | 1.63 | 1.63 | 0.81 | 0.81 | 0.81 | 7.32 | 3.25 | | |
| 16 | Nam Long Shan Road | 1 | 370 | 170 | 50 | 0 | 20 | 10 | 5 | 5 | 20 | 10 | 10 | 5 | 5 | 5 | 40 | 10 | 45.95 | 13.51 | 0.00 | 5.41 | 2.70 | 1.35 | 1.35 | 5.41 | 2.70 | 2.70 | 1.35 | 1.35 | 1.35 | 1.35 | 10.81 | 2.70 | | |
| 17 | Heung Yip Road | 1 | 85 | 45 | 10 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 52.94 | 11.76 | 0.00 | 11.76 | 5.88 | 0.00 | 0.00 | 0.00 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 5.88 | | |
| 18 | Heung Yip Road | 1 | 110 | 55 | 10 | 0 | 15 | 10 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 50.00 | 9.09 | 0.00 | 13.64 | 9.09 | 0.00 | 0.00 | 0.00 | 4.55 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | 4.55 | |
| 19 | Heung Yip Road | 1 | 150 | 75 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 0 | 0 | 0 | 5 | 50.00 | 10.00 | 0.00 | 13.33 | 6.67 | 0.00 | 3.33 | 0.00 | 6.67 | 3.33 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 3.33 | |
| 20 | Yip Fat St | 1 | 65 | 35 | 5 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 53.85 | 7.69 | 0.00 | 15.38 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 45 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 55.56 | 11.11 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | |
| 25 | Heung Yip Road | 1 | 90 | 50 | 10 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 55.56 | 11.11 | 0.00 | 11.11 | 5.56 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | |
| 26 | Heung Yip Road | 1 | 105 | 60 | 15 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 57.14 | 14.29 | 0.00 | 9.52 | 4.76 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | |
| 27 | Heung Yip Road | 1 | 25 | 15 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | Heung Yip Road | 1 | 40 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | Heung Yip Road | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | Nam Long Shan Road | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 125 | 70 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 56.00 | 12.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 4.00 | |
| 32 | Nam Long Shan Road | 1 | 120 | 65 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 54.17 | 12.50 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 4.17 | | |
| 33 | Welfare Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 60 | 25 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 41.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 8.33 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | 0.00 | |
| 36 | Shum Wan Road | 1 | 60 | 25 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 41.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 8.33 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | 0.00 | |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 125 | 70 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 56.00 | 12.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | 4.00 | 4.00 | |
| 39 | Nam Long Shan Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 120 | 65 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 54.17 | 12.50 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 4.17 | 4.17 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 00-01)

Emission Factor Calculations (Hour: 00-01)

| Hour: 00-01 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|------|--------|-------|------|------|------|------|-------|--------|--------|---|------|------|------|------|------|------|------|------|------|--------|------|------|--------------------------------------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 5 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 |
| 2 | Tong Bin Lane | 1 | 20 | 2.39 | 10.57 | 0.00 | 0.00 | 0.00 | 0.00 | 105.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.184 | 0.057 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 2.39 | 7.05 | 0.00 | 13.79 | 0.00 | 0.00 | 70.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.935 | 0.048 |
| 4 | Yip Kan St | 1 | 30 | 2.39 | 7.05 | 0.00 | 13.79 | 0.00 | 0.00 | 70.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.87 | 0.00 | 0.00 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.935 | 0.048 | |
| 5 | Wong Chuk Hang Road | 2 | 590 | 1.84 | 6.22 | 0.00 | 6.98 | 8.73 | 1.87 | 9.79 | 5.05 | 0.36 | 1.38 | 3.07 | 3.12 | 4.95 | 4.81 | 39.91 | 1.17 | 0.16 | 0.00 | 0.00 | 0.40 | 0.22 | 0.09 | 0.43 | 0.37 | 0.03 | 0.06 | 0.21 | 0.19 | 0.22 | 0.04 | 0.38 | 0.02 | 0.993 | 0.028 |
| 6 | Wong Chuk Hang Road | 2 | 690 | 1.79 | 6.16 | 0.00 | 7.06 | 9.95 | 1.60 | 11.16 | 5.03 | 0.31 | 1.77 | 2.62 | 2.67 | 4.24 | 4.12 | 42.66 | 1.26 | 0.16 | 0.00 | 0.00 | 0.41 | 0.25 | 0.07 | 0.49 | 0.37 | 0.03 | 0.08 | 0.18 | 0.16 | 0.19 | 0.03 | 0.41 | 0.02 | 1.024 | 0.028 |
| 7 | Wong Chuk Hang Road | 2 | 285 | 1.29 | 6.10 | 0.00 | 5.26 | 6.02 | 0.00 | 6.76 | 10.45 | 0.25 | 1.43 | 3.18 | 6.46 | 10.25 | 9.96 | 113.61 | 0.61 | 0.11 | 0.00 | 0.00 | 0.30 | 0.15 | 0.00 | 0.30 | 0.77 | 0.02 | 0.06 | 0.22 | 0.39 | 0.46 | 0.07 | 1.09 | 0.01 | 1.816 | 0.040 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 400 | 1.65 | 5.09 | 0.00 | 7.22 | 8.68 | 2.31 | 8.16 | 2.69 | 0.29 | 1.91 | 1.75 | 3.58 | 5.69 | 0.00 | 12.43 | 1.29 | 0.09 | 0.00 | 0.00 | 0.25 | 0.22 | 0.08 | 0.28 | 0.13 | 0.02 | 0.09 | 0.16 | 0.29 | 0.27 | 0.00 | 0.13 | 0.02 | 0.627 | 0.020 |
| 9 | Wong Chuk Hang Road | 2 | 415 | 2.14 | 5.58 | 0.00 | 3.61 | 4.13 | 2.66 | 9.28 | 3.59 | 0.34 | 1.96 | 2.18 | 4.44 | 7.04 | 6.84 | 63.83 | 0.42 | 0.19 | 0.00 | 0.00 | 0.21 | 0.11 | 0.12 | 0.41 | 0.26 | 0.03 | 0.08 | 0.15 | 0.27 | 0.31 | 0.05 | 0.61 | 0.01 | 1.181 | 0.028 |
| 10 | Wong Chuk Hang Road | 2 | 305 | 2.13 | 5.70 | 0.00 | 3.68 | 5.63 | 3.62 | 6.31 | 3.25 | 0.23 | 1.33 | 2.97 | 6.04 | 9.58 | 9.31 | 57.90 | 0.57 | 0.18 | 0.00 | 0.00 | 0.21 | 0.14 | 0.17 | 0.28 | 0.24 | 0.02 | 0.06 | 0.20 | 0.37 | 0.43 | 0.07 | 0.55 | 0.01 | 1.183 | 0.029 |
| 11 | Wong Chuk Hang Road | 2 | 245 | 2.21 | 6.31 | 0.00 | 3.06 | 3.50 | 4.51 | 7.86 | 4.05 | 0.29 | 1.66 | 3.70 | 0.00 | 0.00 | 0.00 | 60.07 | 0.71 | 0.19 | 0.00 | 0.00 | 0.18 | 0.09 | 0.21 | 0.34 | 0.30 | 0.03 | 0.07 | 0.25 | 0.00 | 0.00 | 0.58 | 0.01 | 0.979 | 0.022 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 480 | 1.67 | 5.22 | 0.00 | 7.52 | 8.68 | 1.92 | 10.20 | 2.24 | 0.24 | 1.59 | 1.46 | 2.98 | 4.74 | 0.00 | 10.36 | 1.43 | 0.09 | 0.00 | 0.00 | 0.27 | 0.22 | 0.07 | 0.35 | 0.11 | 0.01 | 0.07 | 0.13 | 0.24 | 0.22 | 0.00 | 0.11 | 0.02 | 0.603 | 0.019 |
| 13 | Wong Chuk Hang Road | 2 | 275 | 0.47 | 4.92 | 0.00 | 2.72 | 3.12 | 0.00 | 0.00 | 16.24 | 0.26 | 0.00 | 3.29 | 6.69 | 10.63 | 20.65 | 246.18 | 0.63 | 0.04 | 0.00 | 0.00 | 0.16 | 0.08 | 0.00 | 0.00 | 1.20 | 0.02 | 0.00 | 0.23 | 0.41 | 0.47 | 0.15 | 2.36 | 0.01 | 3.158 | 0.051 |
| 14 | Wong Chuk Hang Road | 2 | 140 | 1.24 | 5.52 | 0.00 | 5.35 | 6.13 | 0.00 | 10.63 | 0.50 | 0.29 | 6.47 | 0.00 | 0.00 | 20.28 | 105.12 | 1.24 | 0.11 | 0.00 | 0.00 | 0.31 | 0.16 | 0.00 | 0.00 | 0.78 | 0.05 | 0.12 | 0.44 | 0.00 | 0.00 | 0.15 | 1.01 | 0.02 | 1.654 | 0.032 | |
| 15 | Wong Chuk Hang Road | 2 | 615 | 1.80 | 6.28 | 0.00 | 7.31 | 9.77 | 1.80 | 9.39 | 4.84 | 0.34 | 1.32 | 2.94 | 2.99 | 4.75 | 4.62 | 43.08 | 1.13 | 0.16 | 0.00 | 0.00 | 0.42 | 0.25 | 0.08 | 0.41 | 0.36 | 0.03 | 0.06 | 0.20 | 0.18 | 0.21 | 0.03 | 0.41 | 0.02 | 1.024 | 0.028 |
| 16 | Nam Long Shan Road | 1 | 370 | 2.20 | 5.72 | 0.00 | 4.47 | 5.16 | 0.00 | 5.70 | 5.33 | 0.42 | 2.32 | 2.75 | 0.00 | 0.00 | 0.00 | 69.82 | 1.02 | 0.22 | 0.00 | 0.00 | 0.28 | 0.14 | 0.00 | 0.29 | 0.51 | 0.04 | 0.11 | 0.18 | 0.00 | 0.00 | 0.00 | 0.75 | 0.02 | 1.049 | 0.026 |
| 17 | Heung Yip Road | 1 | 85 | 2.53 | 4.98 | 0.00 | 9.73 | 11.22 | 0.00 | 0.00 | 0.00 | 0.92 | 5.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 0.26 | 0.00 | 0.00 | 0.61 | 0.31 | 0.00 | 0.00 | 0.00 | 0.09 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.367 | 0.016 |
| 18 | Heung Yip Road | 1 | 110 | 2.39 | 3.85 | 0.00 | 11.28 | 17.35 | 0.00 | 0.00 | 0.00 | 0.71 | 3.90 | 9.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 0.24 | 0.00 | 0.00 | 0.71 | 0.48 | 0.00 | 0.00 | 0.00 | 0.07 | 0.19 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.504 | 0.023 |
| 19 | Heung Yip Road | 1 | 150 | 2.39 | 4.23 | 0.00 | 11.03 | 12.72 | 0.00 | 14.06 | 0.00 | 1.04 | 2.86 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 0.24 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.73 | 0.00 | 0.10 | 0.14 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.564 | 0.027 |
| 20 | Yip Fat St | 1 | 65 | 2.57 | 3.25 | 0.00 | 12.73 | 14.68 | 0.00 | 0.00 | 0.00 | 1.20 | 6.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.80 | 0.41 | 0.00 | 0.00 | 0.00 | 0.12 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.410 | 0.019 | |
| 21 | Heung Yip Road | 1 | 75 | 2.55 | 2.82 | 0.00 | 11.03 | 12.72 | 0.00 | 0.00 | 0.00 | 1.04 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 0.26 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.00 | 0.00 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.384 | 0.017 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| 23 | Yip Fat St | 1 | 45 | 2.66 | 4.70 | 0.00 | 9.19 | 10.60 | 0.00 | 0.00 | 0.00 | 0.87 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.58 | 0.59 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.395 | 0.016 | |
| 24 | Heung Yip Road | 1 | 75 | 2.55 | 2.82 | 0.00 | 11.03 | 12.72 | 0.00 | 0.00 | 0.00 | 1.04 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 0.26 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.00 | 0.00 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.384 | 0.017 | |
| 25 | Heung Yip Road | 1 | 90 | 2.66 | 4.70 | 0.00 | 9.19 | 10.60 | 0.00 | 0.00 | 0.00 | 0.87 | 4.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 0.27 | 0.00 | 0.00 | 0.58 | 0.30 | 0.00 | 0.00 | 0.00 | 0.09 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.349 | 0.015 | |
| 26 | Heung Yip Road | 1 | 105 | 2.73 | 6.04 | 0.00 | 7.88 | 9.09 | 0.00 | 0.00 | 0.00 | 0.74 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 0.28 | 0.00 | 0.00 | 0.50 | 0.25 | 0.00 | 0.00 | 0.00 | 0.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.324 | 0.013 | |
| 27 | Heung Yip Road | 1 | 25 | 2.87 | 8.46 | 0.00 | 16.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.279 | 0.013 | |
| 28 | Heung Yip Road | 1 | 40 | 2.99 | 5.29 | 0.00 | 10.34 | 23.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.65 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.016 | | |
| 29 | Heung Yip Road | 1 | 55 | 2.61 | 3.85 | 0.00 | 7.52 | 17.35 | 0.00 | 0.00 | 0.00 | 1.42 | 7.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.47 | 0.48 | 0.00 | 0.00 | 0.00 | 0.14 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.405 | 0.017 | | |
| 30 | Nam Long Shan Road | 1 | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 322.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.47 | 0.00 | 3.723 | 0.081 | |
| 31 | Nam Long Shan Road | 1 | 125 | 2.68 | 5.08 | 0.00 | 3.31 | 7.63 | 0.00 | 0.00 | 3.95 | 0.62 | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 51.67 | 1.51 | 0.27 | 0.00 | 0.00 | 0.21 | 0.21 | 0.00 | 0.00 | 0.37 | 0.06 | 0.17 | 0.00 | 0.00 | 0.00 | 0.56 | 0.03 | 0.799 | 0.019 | |
| 32 | Nam Long Shan Road | 1 | 120 | 2.59 | 5.29 | 0.00 | 3.45 | 7.95 | 0.00 | 0.00 | 4.11 | 0.65 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 | 53.82 | 1.58 | 0.27 | 0.00 | 0.00 | 0.22 | 0.22 | 0.00 | 0.00 | 0.39 | 0.06 | 0.17 | 0.00 | 0.00 | 0.00 | 0.58 | 0.04 | 0.830 | 0.019 | |
| 33 | Welfare Road | 1 | 15 | 3.19 | 14.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.173 | 0.003 | | | |
| 34 | Welfare Road | 1 | 5 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | |
| 35 | Shum Wan Road | 1 | 60 | 1.99 | 7.05 | 0.00 | 6.89 | 0.00 | 0.00 | 0.00 | 8.22 | 1.30 | 7.16 | 0.00 | 0.00 | 0.00 | 0.00 | 53.82 | 0.00 | 0.20 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.78 | 0.13 | 0.34</ | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 01-02)

Traffic (Hour: 01-02)

| Hour: 01-02 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 2 | Tong Bin Lane | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 15 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | Yip Kan St | 1 | 30 | 15 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5 | Wong Chuk Hang Road | 2 | 305 | 125 | 50 | 0 | 25 | 15 | 5 | 10 | 15 | 10 | 5 | 5 | 5 | 0 | 20 | 40.98 | 16.39 | 0.00 | 8.20 | 4.92 | 1.64 | 3.28 | 4.92 | 3.28 | 1.64 | 1.64 | 1.64 | 1.64 | 0.00 | 6.56 | 3.28 | | | | |
| 6 | Wong Chuk Hang Road | 2 | 345 | 145 | 55 | 0 | 30 | 20 | 5 | 10 | 15 | 10 | 5 | 5 | 5 | 0 | 25 | 42.03 | 15.94 | 0.00 | 8.70 | 5.80 | 1.45 | 2.90 | 4.35 | 2.90 | 1.45 | 1.45 | 1.45 | 1.45 | 0.00 | 7.25 | 2.90 | | | | |
| 7 | Wong Chuk Hang Road | 2 | 150 | 45 | 25 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 0 | 0 | 30 | 30.00 | 16.67 | 0.00 | 6.67 | 3.33 | 0.00 | 0.00 | 10.00 | 3.33 | 3.33 | 3.33 | 0.00 | 0.00 | 0.00 | 20.00 | 3.33 | | | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 200 | 95 | 35 | 0 | 20 | 10 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 47.50 | 17.50 | 0.00 | 10.00 | 5.00 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 5.00 | | | | | |
| 9 | Wong Chuk Hang Road | 2 | 210 | 105 | 30 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 25 | 50.00 | 14.29 | 0.00 | 4.76 | 2.38 | 0.00 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 0.00 | 11.90 | 0.00 | | | | |
| 10 | Wong Chuk Hang Road | 2 | 165 | 80 | 25 | 0 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 15 | 48.48 | 15.15 | 0.00 | 3.03 | 3.03 | 0.00 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 3.03 | 0.00 | 9.09 | 0.00 | | | | |
| 11 | Wong Chuk Hang Road | 2 | 130 | 65 | 20 | 0 | 5 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 15 | 50.00 | 15.38 | 0.00 | 3.85 | 3.85 | 0.00 | 3.85 | 3.85 | 3.85 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 11.54 | 0.00 | | | | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 245 | 115 | 40 | 0 | 25 | 15 | 5 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 46.94 | 16.33 | 0.00 | 10.20 | 6.12 | 2.04 | 4.08 | 2.04 | 2.04 | 2.04 | 2.04 | 0.00 | 0.00 | 0.00 | 2.04 | 4.08 | | | | | |
| 13 | Wong Chuk Hang Road | 2 | 135 | 15 | 15 | 0 | 5 | 5 | 0 | 0 | 25 | 5 | 0 | 0 | 0 | 5 | 60 | 11.11 | 11.11 | 0.00 | 3.70 | 3.70 | 0.00 | 0.00 | 18.52 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 44.44 | 0.00 | | | | |
| 14 | Wong Chuk Hang Road | 2 | 65 | 20 | 10 | 0 | 5 | 5 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 15 | 0 | 30.77 | 15.38 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 15.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.08 | 0.00 | | | | | |
| 15 | Wong Chuk Hang Road | 2 | 320 | 130 | 50 | 0 | 30 | 15 | 5 | 10 | 15 | 10 | 5 | 5 | 5 | 0 | 25 | 40.63 | 15.63 | 0.00 | 9.38 | 4.69 | 1.56 | 3.13 | 4.69 | 3.13 | 1.56 | 1.56 | 1.56 | 1.56 | 0.00 | 7.81 | 3.13 | | | | |
| 16 | Nam Long Shan Road | 1 | 190 | 85 | 25 | 0 | 10 | 5 | 0 | 5 | 10 | 5 | 5 | 5 | 0 | 20 | 5 | 44.74 | 13.16 | 0.00 | 5.26 | 2.63 | 0.00 | 2.63 | 5.26 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 0.00 | 10.53 | 2.63 | | | | |
| 17 | Heung Yip Road | 1 | 85 | 45 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 52.94 | 11.76 | 0.00 | 11.76 | 5.88 | 0.00 | 0.00 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 0.00 | | | | |
| 18 | Heung Yip Road | 1 | 115 | 60 | 10 | 0 | 15 | 10 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 52.17 | 8.70 | 0.00 | 13.04 | 8.70 | 0.00 | 0.00 | 4.35 | 4.35 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | 0.00 | | | | |
| 19 | Heung Yip Road | 1 | 150 | 75 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 0 | 0 | 5 | 50.00 | 10.00 | 0.00 | 13.33 | 6.67 | 0.00 | 3.33 | 6.67 | 3.33 | 3.33 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 0.00 | | | | |
| 20 | Yip Fat St | 1 | 65 | 35 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 53.85 | 7.69 | 0.00 | 15.38 | 7.69 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 21 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 23 | Yip Fat St | 1 | 45 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 55.56 | 11.11 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | | |
| 25 | Heung Yip Road | 1 | 90 | 50 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 55.56 | 11.11 | 0.00 | 11.11 | 5.56 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 0.00 | | |
| 26 | Heung Yip Road | 1 | 110 | 65 | 15 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 59.09 | 13.64 | 0.00 | 9.09 | 4.55 | 0.00 | 0.00 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | 0.00 | | | |
| 27 | Heung Yip Road | 1 | 30 | 20 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | Heung Yip Road | 1 | 40 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 29 | Heung Yip Road | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 30 | Nam Long Shan Road | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | | | | |
| 31 | Nam Long Shan Road | 1 | 120 | 70 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 58.33 | 12.50 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 0.00 | | | |
| 32 | Nam Long Shan Road | 1 | 120 | 70 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 58.33 | 12.50 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 0.00 | | | |
| 33 | Welfare Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35 | Shum Wan Road | 1 | 60 | 25 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 41.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 8.33 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | 0.00 | | | |
| 36 | Shum Wan Road | 1 | 65 | 30 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 0 | 46.15 | 15.38 | 0.00 | 7.69 | 0.00 | 0.00 | 7.69 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 0.00 | 0.00 | 7.69 | 0.00 | | |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 38 | Nam Long Shan Road | 1 | 125 | 75 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 60.00 | 12.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | 0.00 | 4.00 | 0.00 | |
| 39 | Nam Long Shan Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 25 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 120 | 70 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 58.33 | 12.50 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 0.00 | 4.17 | 0.00 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 01-02)

Emission Factor Calculations (Hour: 00-01)

| Hour: 01-02 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|------|--------|-------|------|------|------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 5 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 |
| 2 | Tong Bin Lane | 1 | 20 | 2.40 | 10.61 | 0.00 | 0.00 | 0.00 | 0.00 | 105.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.185 | 0.057 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 2.40 | 7.08 | 0.00 | 13.81 | 0.00 | 0.00 | 70.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.936 | 0.048 |
| 4 | Yip Kan St | 1 | 30 | 2.40 | 7.08 | 0.00 | 13.81 | 0.00 | 0.00 | 70.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.936 | 0.048 |
| 5 | Wong Chuk Hang Road | 2 | 305 | 1.78 | 6.35 | 0.00 | 6.15 | 8.45 | 3.63 | 12.64 | 4.89 | 0.46 | 1.34 | 2.97 | 6.04 | 9.59 | 0.00 | 38.65 | 1.14 | 0.15 | 0.00 | 0.00 | 0.35 | 0.22 | 0.17 | 0.55 | 0.36 | 0.04 | 0.06 | 0.20 | 0.37 | 0.43 | 0.00 | 0.37 | 0.02 | 1.041 | 0.033 |
| 6 | Wong Chuk Hang Road | 2 | 345 | 1.83 | 6.17 | 0.00 | 6.52 | 9.96 | 3.21 | 11.18 | 4.33 | 0.41 | 1.18 | 2.63 | 5.34 | 8.48 | 0.00 | 42.71 | 1.01 | 0.16 | 0.00 | 0.00 | 0.38 | 0.25 | 0.15 | 0.49 | 0.32 | 0.04 | 0.05 | 0.18 | 0.32 | 0.38 | 0.00 | 0.41 | 0.02 | 1.050 | 0.031 |
| 7 | Wong Chuk Hang Road | 2 | 150 | 1.30 | 6.46 | 0.00 | 5.00 | 5.73 | 0.00 | 0.00 | 9.95 | 0.47 | 2.72 | 6.04 | 0.00 | 0.00 | 0.00 | 117.89 | 1.16 | 0.11 | 0.00 | 0.00 | 0.29 | 0.15 | 0.00 | 0.00 | 0.73 | 0.04 | 0.12 | 0.41 | 0.00 | 0.00 | 0.00 | 1.13 | 0.02 | 1.567 | 0.030 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 200 | 1.70 | 5.49 | 0.00 | 7.23 | 6.96 | 4.62 | 8.17 | 2.70 | 0.29 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 12.44 | 1.72 | 0.09 | 0.00 | 0.00 | 0.25 | 0.17 | 0.16 | 0.28 | 0.13 | 0.02 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.03 | 0.532 | 0.014 |
| 9 | Wong Chuk Hang Road | 2 | 210 | 2.17 | 5.53 | 0.00 | 3.57 | 4.09 | 0.00 | 9.18 | 2.37 | 0.34 | 1.94 | 4.32 | 8.78 | 13.93 | 0.00 | 70.17 | 0.00 | 0.19 | 0.00 | 0.00 | 0.21 | 0.10 | 0.00 | 0.40 | 0.17 | 0.03 | 0.08 | 0.30 | 0.53 | 0.62 | 0.00 | 0.67 | 0.00 | 1.264 | 0.033 |
| 10 | Wong Chuk Hang Road | 2 | 165 | 2.11 | 5.87 | 0.00 | 2.27 | 5.21 | 0.00 | 11.69 | 3.02 | 0.43 | 2.47 | 5.49 | 11.17 | 17.73 | 0.00 | 53.59 | 0.00 | 0.18 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.51 | 0.22 | 0.04 | 0.10 | 0.38 | 0.68 | 0.79 | 0.00 | 0.51 | 0.00 | 1.210 | 0.037 |
| 11 | Wong Chuk Hang Road | 2 | 130 | 2.17 | 5.96 | 0.00 | 2.88 | 6.61 | 0.00 | 14.83 | 3.83 | 0.54 | 0.00 | 6.97 | 0.00 | 0.00 | 0.00 | 68.01 | 0.00 | 0.19 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.65 | 0.28 | 0.05 | 0.00 | 0.48 | 0.00 | 0.00 | 0.65 | 0.00 | 1.118 | 0.026 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 245 | 1.68 | 5.13 | 0.00 | 7.38 | 8.52 | 3.77 | 13.34 | 2.20 | 0.24 | 1.56 | 2.87 | 0.00 | 0.00 | 0.00 | 10.16 | 1.41 | 0.09 | 0.00 | 0.00 | 0.26 | 0.21 | 0.13 | 0.46 | 0.11 | 0.01 | 0.07 | 0.26 | 0.00 | 0.00 | 0.10 | 0.02 | 0.583 | 0.017 | |
| 13 | Wong Chuk Hang Road | 2 | 135 | 0.48 | 4.30 | 0.00 | 2.78 | 6.36 | 0.00 | 0.00 | 18.43 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 21.06 | 261.98 | 0.00 | 0.04 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.00 | 1.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 2.51 | 0.00 | 3.159 | 0.044 |
| 14 | Wong Chuk Hang Road | 2 | 65 | 1.34 | 5.96 | 0.00 | 5.77 | 13.22 | 0.00 | 0.00 | 15.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 136.03 | 0.00 | 0.12 | 0.00 | 0.00 | 0.33 | 0.34 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 1.776 | 0.032 |
| 15 | Wong Chuk Hang Road | 2 | 320 | 1.76 | 6.05 | 0.00 | 7.03 | 8.05 | 3.46 | 12.05 | 4.66 | 0.44 | 1.27 | 2.83 | 5.76 | 9.14 | 0.00 | 46.05 | 1.09 | 0.15 | 0.00 | 0.00 | 0.40 | 0.21 | 0.16 | 0.53 | 0.34 | 0.04 | 0.05 | 0.19 | 0.35 | 0.41 | 0.00 | 0.44 | 0.02 | 1.097 | 0.033 |
| 16 | Nam Long Shan Road | 1 | 190 | 2.15 | 5.59 | 0.00 | 4.36 | 5.02 | 0.00 | 11.10 | 5.22 | 0.41 | 2.26 | 5.35 | 0.00 | 0.00 | 0.00 | 68.04 | 0.99 | 0.22 | 0.00 | 0.00 | 0.28 | 0.14 | 0.00 | 0.57 | 0.50 | 0.04 | 0.11 | 0.35 | 0.00 | 0.00 | 0.74 | 0.02 | 1.105 | 0.030 | |
| 17 | Heung Yip Road | 1 | 85 | 2.55 | 4.99 | 0.00 | 9.75 | 11.22 | 0.00 | 0.00 | 0.00 | 0.92 | 5.06 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 0.26 | 0.00 | 0.00 | 0.62 | 0.32 | 0.00 | 0.00 | 0.00 | 0.09 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.367 | 0.016 | |
| 18 | Heung Yip Road | 1 | 115 | 2.51 | 3.69 | 0.00 | 10.81 | 16.59 | 0.00 | 0.00 | 0.00 | 0.68 | 3.74 | 8.84 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 0.26 | 0.00 | 0.00 | 0.69 | 0.47 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.58 | 0.00 | 0.00 | 0.00 | 0.04 | 0.485 | 0.023 | |
| 19 | Heung Yip Road | 1 | 150 | 2.40 | 4.25 | 0.00 | 11.05 | 12.72 | 0.00 | 14.06 | 0.00 | 1.04 | 2.87 | 6.78 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 0.25 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.73 | 0.00 | 0.10 | 0.14 | 0.44 | 0.00 | 0.00 | 0.00 | 0.03 | 0.564 | 0.028 | |
| 20 | Yip Fat St | 1 | 65 | 2.59 | 3.27 | 0.00 | 12.75 | 14.67 | 0.00 | 0.00 | 0.00 | 1.21 | 6.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.81 | 0.41 | 0.00 | 0.00 | 0.00 | 0.12 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.411 | 0.019 | |
| 21 | Heung Yip Road | 1 | 75 | 2.57 | 2.83 | 0.00 | 11.05 | 12.72 | 0.00 | 0.00 | 0.00 | 1.04 | 5.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 0.26 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.00 | 0.00 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 0.06 | 0.384 | 0.018 | | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - |
| 23 | Yip Fat St | 1 | 45 | 2.67 | 4.72 | 0.00 | 9.21 | 21.19 | 0.00 | 0.00 | 0.00 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.58 | 0.60 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.395 | 0.016 | |
| 24 | Heung Yip Road | 1 | 75 | 2.57 | 2.83 | 0.00 | 11.05 | 12.72 | 0.00 | 0.00 | 0.00 | 1.04 | 5.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 0.26 | 0.00 | 0.00 | 0.70 | 0.36 | 0.00 | 0.00 | 0.00 | 0.10 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.384 | 0.018 | |
| 25 | Heung Yip Road | 1 | 90 | 2.67 | 4.72 | 0.00 | 9.21 | 10.60 | 0.00 | 0.00 | 0.00 | 0.87 | 4.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 0.28 | 0.00 | 0.00 | 0.58 | 0.30 | 0.00 | 0.00 | 0.00 | 0.09 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.349 | 0.015 | |
| 26 | Heung Yip Road | 1 | 110 | 2.84 | 5.79 | 0.00 | 7.53 | 8.67 | 0.00 | 0.00 | 0.00 | 0.71 | 3.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 0.29 | 0.00 | 0.00 | 0.48 | 0.24 | 0.00 | 0.00 | 0.00 | 0.07 | 0.19 | 0.00 | 0.00 | 0.00 | 0.04 | 0.312 | 0.013 | | |
| 27 | Heung Yip Road | 1 | 30 | 3.21 | 7.08 | 0.00 | 13.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.241 | 0.012 | | |
| 28 | Heung Yip Road | 1 | 40 | 3.01 | 5.31 | 0.00 | 10.36 | 23.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.66 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.016 | | | |
| 29 | Heung Yip Road | 1 | 55 | 2.62 | 3.86 | 0.00 | 7.53 | 17.34 | 0.00 | 0.00 | 0.00 | 1.42 | 7.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.48 | 0.49 | 0.00 | 0.00 | 0.14 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.406 | 0.018 | | |
| 30 | Nam Long Shan Road | 1 | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 323.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 3.728 | 0.083 | | |
| 31 | Nam Long Shan Road | 1 | 120 | 2.81 | 5.31 | 0.00 | 3.45 | 7.95 | 0.00 | 0.00 | 4.14 | 0.65 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 | 26.93 | 1.56 | 0.29 | 0.00 | 0.00 | 0.22 | 0.22 | 0.00 | 0.40 | 0.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 0.04 | 0.564 | 0.017 | | |
| 32 | Nam Long Shan Road | 1 | 120 | 2.81 | 5.31 | 0.00 | 3.45 | 7.95 | 0.00 | 0.00 | 4.14 | 0.65 | 3.58 | 0.00 | 0.00 | 0.00 | 0.00 | 26.93 | 1.56 | 0.29 | 0.00 | 0.00 | 0.22 | 0.22 | 0.00 | 0.40 | 0.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.29 | 0.04 | 0.564 | 0.017 | | |
| 33 | Welfare Road | 1 | 15 | 3.21 | 14.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.174 | 0.003 | | | |
| 34 | Welfare Road | 1 | 5 | 4.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | | |
| 35 | Shum Wan Road | 1 | 60 | 2.00 | 7.08 | 0.00 | 6.90 | 0.00 | 0.00 | 0.00 | 8.27 | 1.31 | 7.17 | 0.00 | 0.00 | 0.00 | 0.00 | 53.87 | 0.00 | 0.21 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.79 | 0.13 | 0.35 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.866 | 0.025 | | |
| 36 | Shum Wan Road | 1 | 65 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 02-03)

Traffic (Hour: 02-03)

| Hour: 02-03 | | Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | |
|-------------|---------------------------------|----------|------|-----------|----------------|---------------------|------|------|------|------|-----|-----|-----|------|------|------|--------|-------|-------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|
| PC | Taxi | | | | | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 15 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 33.33 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 290 | 130 | 50 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 20 | 44.83 | 17.24 | 0.00 | 8.62 | 5.17 | 0.00 | 1.72 | 5.17 | 3.45 | 1.72 | 1.72 | 0.00 | 0.00 | 0.00 | 6.90 | 3.45 | |
| 6 | Wong Chuk Hang Road | 2 | 330 | 145 | 55 | 0 | 30 | 20 | 0 | 10 | 15 | 10 | 5 | 5 | 0 | 25 | 43.94 | 16.67 | 0.00 | 9.09 | 6.06 | 0.00 | 3.03 | 4.55 | 3.03 | 1.52 | 1.52 | 0.00 | 0.00 | 0.00 | 7.58 | 3.03 | |
| 7 | Wong Chuk Hang Road | 2 | 145 | 45 | 20 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 0 | 30 | 31.03 | 13.79 | 0.00 | 6.90 | 3.45 | 0.00 | 0.00 | 10.34 | 3.45 | 3.45 | 3.45 | 0.00 | 0.00 | 0.00 | 20.69 | 3.45 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 95 | 35 | 0 | 20 | 10 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 50.00 | 18.42 | 0.00 | 10.53 | 5.26 | 0.00 | 2.63 | 2.63 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | |
| 9 | Wong Chuk Hang Road | 2 | 205 | 110 | 30 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 25 | 53.66 | 14.63 | 0.00 | 4.88 | 2.44 | 0.00 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 0.00 | 0.00 | 0.00 | 12.20 | 0.00 | |
| 10 | Wong Chuk Hang Road | 2 | 145 | 80 | 25 | 0 | 5 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 15 | 55.17 | 17.24 | 0.00 | 3.45 | 3.45 | 0.00 | 3.45 | 3.45 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.34 | 0.00 | |
| 11 | Wong Chuk Hang Road | 2 | 120 | 65 | 20 | 0 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 15 | 54.17 | 16.67 | 0.00 | 4.17 | 4.17 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 | 0.00 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 230 | 115 | 40 | 0 | 25 | 15 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 50.00 | 17.39 | 0.00 | 10.87 | 6.52 | 0.00 | 2.17 | 2.17 | 2.17 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 4.35 | |
| 13 | Wong Chuk Hang Road | 2 | 130 | 15 | 15 | 0 | 5 | 5 | 0 | 0 | 25 | 5 | 0 | 0 | 0 | 5 | 11.54 | 11.54 | 0.00 | 3.85 | 3.85 | 0.00 | 0.00 | 19.23 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 42.31 | 0.00 | |
| 14 | Wong Chuk Hang Road | 2 | 55 | 20 | 10 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 36.36 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | |
| 15 | Wong Chuk Hang Road | 2 | 300 | 130 | 50 | 0 | 30 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 25 | 43.33 | 16.67 | 0.00 | 10.00 | 5.00 | 0.00 | 1.67 | 5.00 | 3.33 | 1.67 | 1.67 | 0.00 | 0.00 | 0.00 | 8.33 | 3.33 | |
| 16 | Nam Long Shan Road | 1 | 185 | 90 | 25 | 0 | 10 | 5 | 0 | 5 | 10 | 5 | 5 | 5 | 0 | 20 | 48.65 | 13.51 | 0.00 | 5.41 | 2.70 | 0.00 | 2.70 | 5.41 | 2.70 | 2.70 | 2.70 | 0.00 | 0.00 | 0.00 | 10.81 | 2.70 | |
| 17 | Heung Yip Road | 1 | 45 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 55.56 | 11.11 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | Heung Yip Road | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | |
| 20 | Yip Fat St | 1 | 30 | 20 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | Heung Yip Road | 1 | 35 | 20 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.14 | 14.29 | 0.00 | 14.29 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 20 | 15 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 35 | 20 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.14 | 14.29 | 0.00 | 14.29 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | Heung Yip Road | 1 | 35 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.43 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | Heung Yip Road | 1 | 55 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 63.64 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | Heung Yip Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | Heung Yip Road | 1 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | Heung Yip Road | 1 | 25 | 15 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | Nam Long Shan Road | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 55 | 35 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 63.64 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | |
| 32 | Nam Long Shan Road | 1 | 55 | 35 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 63.64 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | |
| 33 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 60 | 40 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 66.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | |
| 39 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 55 | 35 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 63.64 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 02-03)

Emission Factor Calculations (Hour: 00-01)

| Hour: 02-03 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|------|--------|-------|------|------|------|------|------|--------|--------|---|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|-------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 5 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 |
| 2 | Tong Bin Lane | 1 | 5 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 15 | 1.61 | 14.18 | 0.00 | 0.00 | 0.00 | 0.00 | 140.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.567 | 0.078 | |
| 4 | Yip Kan St | 1 | 20 | 2.41 | 10.64 | 0.00 | 0.00 | 0.00 | 0.00 | 105.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.188 | 0.060 | |
| 5 | Wong Chuk Hang Road | 2 | 290 | 1.96 | 6.70 | 0.00 | 6.48 | 8.91 | 0.00 | 6.66 | 5.17 | 0.49 | 1.41 | 3.13 | 0.00 | 0.00 | 0.00 | 40.74 | 1.20 | 0.17 | 0.00 | 0.00 | 0.37 | 0.23 | 0.00 | 0.29 | 0.38 | 0.05 | 0.06 | 0.21 | 0.00 | 0.00 | 0.39 | 0.02 | 0.828 | 0.022 | |
| 6 | Wong Chuk Hang Road | 2 | 330 | 1.92 | 6.48 | 0.00 | 6.83 | 10.43 | 0.00 | 11.71 | 4.54 | 0.43 | 1.24 | 2.75 | 0.00 | 0.00 | 0.00 | 44.75 | 1.06 | 0.16 | 0.00 | 0.00 | 0.39 | 0.27 | 0.00 | 0.51 | 0.33 | 0.04 | 0.05 | 0.19 | 0.00 | 0.00 | 0.43 | 0.02 | 0.921 | 0.024 | |
| 7 | Wong Chuk Hang Road | 2 | 145 | 1.35 | 5.36 | 0.00 | 5.18 | 5.94 | 0.00 | 10.33 | 0.49 | 2.82 | 6.27 | 0.00 | 0.00 | 0.00 | 122.21 | 1.20 | 0.12 | 0.00 | 0.00 | 0.30 | 0.15 | 0.00 | 0.00 | 0.76 | 0.05 | 0.12 | 0.43 | 0.00 | 0.00 | 1.17 | 0.02 | 1.612 | 0.031 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 1.79 | 5.81 | 0.00 | 7.63 | 7.34 | 0.00 | 8.62 | 2.85 | 0.31 | 2.02 | 0.00 | 0.00 | 0.00 | 13.12 | 0.91 | 0.10 | 0.00 | 0.00 | 0.27 | 0.18 | 0.00 | 0.30 | 0.14 | 0.02 | 0.09 | 0.00 | 0.00 | 0.14 | 0.01 | 0.504 | 0.012 | | | |
| 9 | Wong Chuk Hang Road | 2 | 205 | 2.34 | 5.69 | 0.00 | 3.67 | 4.20 | 0.00 | 9.43 | 2.44 | 0.35 | 2.00 | 4.43 | 0.00 | 0.00 | 0.00 | 72.03 | 0.00 | 0.20 | 0.00 | 0.00 | 0.21 | 0.11 | 0.00 | 0.41 | 0.18 | 0.03 | 0.08 | 0.30 | 0.00 | 0.00 | 0.69 | 0.00 | 1.066 | 0.022 | |
| 10 | Wong Chuk Hang Road | 2 | 145 | 2.41 | 6.70 | 0.00 | 2.59 | 5.94 | 0.00 | 13.33 | 3.44 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 61.10 | 0.00 | 0.21 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.58 | 0.25 | 0.05 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.960 | 0.020 | | | |
| 11 | Wong Chuk Hang Road | 2 | 120 | 2.36 | 6.48 | 0.00 | 3.13 | 7.17 | 0.00 | 16.10 | 4.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 73.83 | 0.00 | 0.20 | 0.00 | 0.00 | 0.18 | 0.18 | 0.00 | 0.70 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 1.132 | 0.023 | | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 230 | 1.79 | 5.48 | 0.00 | 7.88 | 9.09 | 0.00 | 7.12 | 2.35 | 0.26 | 1.67 | 0.00 | 0.00 | 0.00 | 10.84 | 1.51 | 0.10 | 0.00 | 0.00 | 0.28 | 0.23 | 0.00 | 0.25 | 0.12 | 0.02 | 0.08 | 0.00 | 0.00 | 0.11 | 0.02 | 0.480 | 0.012 | | | |
| 13 | Wong Chuk Hang Road | 2 | 130 | 0.50 | 4.49 | 0.00 | 2.89 | 6.62 | 0.00 | 0.00 | 19.21 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 21.92 | 249.90 | 0.00 | 0.04 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.00 | 1.41 | 0.05 | 0.00 | 0.00 | 0.16 | 2.39 | 0.00 | 3.061 | 0.044 | | |
| 14 | Wong Chuk Hang Road | 2 | 55 | 1.59 | 7.07 | 0.00 | 6.83 | 0.00 | 0.00 | 18.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.39 | 0.00 | 0.14 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 1.410 | 0.029 | | | |
| 15 | Wong Chuk Hang Road | 2 | 300 | 1.89 | 6.48 | 0.00 | 7.52 | 8.61 | 0.00 | 6.44 | 4.99 | 0.47 | 1.36 | 3.03 | 0.00 | 0.00 | 49.22 | 1.16 | 0.16 | 0.00 | 0.00 | 0.43 | 0.22 | 0.00 | 0.28 | 0.37 | 0.04 | 0.06 | 0.21 | 0.00 | 0.00 | 0.47 | 0.02 | 0.912 | 0.023 | | |
| 16 | Nam Long Shan Road | 1 | 185 | 2.34 | 5.75 | 0.00 | 4.49 | 5.17 | 0.00 | 11.43 | 0.00 | 0.41 | 2.34 | 0.00 | 0.00 | 0.00 | 70.05 | 0.00 | 0.24 | 0.00 | 0.00 | 0.27 | 0.16 | 0.00 | 0.62 | 0.00 | 0.05 | 0.09 | 0.00 | 0.00 | 0.78 | 0.00 | 1.020 | 0.022 | | | |
| 17 | Heung Yip Road | 1 | 45 | 2.68 | 4.73 | 0.00 | 9.24 | 21.26 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.55 | 0.64 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.396 | 0.017 | | | | |
| 18 | Heung Yip Road | 1 | 55 | 2.63 | 3.87 | 0.00 | 7.56 | 17.39 | 0.00 | 0.00 | 1.37 | 7.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.45 | 0.53 | 0.00 | 0.00 | 0.15 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.407 | 0.017 | | | | |
| 19 | Heung Yip Road | 1 | 75 | 2.57 | 2.84 | 0.00 | 11.08 | 12.75 | 0.00 | 0.00 | 1.00 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.66 | 0.39 | 0.00 | 0.00 | 0.11 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.360 | 0.016 | | | | |
| 20 | Yip Fat St | 1 | 30 | 3.21 | 7.09 | 0.00 | 13.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.242 | 0.012 | | | | |
| 21 | Heung Yip Road | 1 | 35 | 2.75 | 6.08 | 0.00 | 11.88 | 27.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.71 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.480 | 0.018 | | | | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | | |
| 23 | Yip Fat St | 1 | 20 | 3.61 | 0.00 | 0.00 | 20.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 1.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.244 | 0.016 | | | | |
| 24 | Heung Yip Road | 1 | 35 | 2.75 | 6.08 | 0.00 | 11.88 | 27.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.71 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.480 | 0.018 | | | | |
| 25 | Heung Yip Road | 1 | 35 | 3.44 | 6.08 | 0.00 | 11.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.214 | 0.011 | | | | |
| 26 | Heung Yip Road | 1 | 55 | 3.07 | 3.87 | 0.00 | 7.56 | 17.39 | 0.00 | 0.00 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.45 | 0.53 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.333 | 0.014 | | | | |
| 27 | Heung Yip Road | 1 | 10 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | | | | |
| 28 | Heung Yip Road | 1 | 15 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | | | | |
| 29 | Heung Yip Road | 1 | 25 | 2.89 | 8.51 | 0.00 | 16.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.280 | 0.013 | | | | |
| 30 | Nam Long Shan Road | 1 | 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 647.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.24 | 0.00 | 6.480 | 0.072 | | | |
| 31 | Nam Long Shan Road | 1 | 55 | 3.07 | 7.74 | 0.00 | 7.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58.91 | 0.00 | 0.31 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.773 | 0.014 | | | |
| 32 | Nam Long Shan Road | 1 | 55 | 3.07 | 7.74 | 0.00 | 7.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 58.91 | 0.00 | 0.31 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.773 | 0.014 | | | |
| 33 | Welfare Road | 1 | 5 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | | | | |
| 34 | Welfare Road | 1 | 5 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.048 | 0.005 | | | | | |
| 35 | Shum Wan Road | 1 | 15 | 3.21 | 14.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.174 | 0.003 | | | | | |
| 36 | Shum Wan Road | 1 | 15 | 3.21 | 14.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.174 | 0.003 | | | | | |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | | | |
| 38 | Nam Long Shan Road | 1 | 60 | 3.21 | 7.09 | 0.00 | 6.93 | 0.00 | 0.00 | 0. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 03-04)

Traffic (Hour: 03-04)

| Hour: 03-04 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 15 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.33 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 295 | 130 | 50 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 44.07 | 16.95 | 0.00 | 8.47 | 5.08 | 0.00 | 1.69 | 5.08 | 3.39 | 1.69 | 1.69 | 0.00 | 0.00 | 0.00 | 8.47 | 3.39 | |
| 6 | Wong Chuk Hang Road | 2 | 330 | 150 | 60 | 0 | 30 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.45 | 18.18 | 0.00 | 9.09 | 4.55 | 0.00 | 1.52 | 4.55 | 3.03 | 1.52 | 1.52 | 0.00 | 0.00 | 0.00 | 7.58 | 3.03 | |
| 7 | Wong Chuk Hang Road | 2 | 145 | 45 | 20 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 0 | 0 | 30 | 5 | 31.03 | 13.79 | 0.00 | 6.90 | 3.45 | 0.00 | 0.00 | 10.34 | 3.45 | 3.45 | 3.45 | 0.00 | 0.00 | 0.00 | 20.69 | 3.45 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 95 | 35 | 0 | 20 | 10 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 50.00 | 18.42 | 0.00 | 10.53 | 5.26 | 0.00 | 2.63 | 2.63 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | |
| 9 | Wong Chuk Hang Road | 2 | 210 | 110 | 35 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 25 | 0 | 52.38 | 16.67 | 0.00 | 4.76 | 2.38 | 0.00 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 0.00 | 0.00 | 0.00 | 11.90 | 0.00 | |
| 10 | Wong Chuk Hang Road | 2 | 155 | 85 | 25 | 0 | 5 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 20 | 0 | 54.84 | 16.13 | 0.00 | 3.23 | 3.23 | 0.00 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.90 | 0.00 | |
| 11 | Wong Chuk Hang Road | 2 | 125 | 70 | 20 | 0 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 56.00 | 16.00 | 0.00 | 4.00 | 4.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 0.00 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 240 | 120 | 45 | 0 | 25 | 15 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 10 | 50.00 | 18.75 | 0.00 | 10.42 | 6.25 | 0.00 | 2.08 | 2.08 | 2.08 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 4.17 | |
| 13 | Wong Chuk Hang Road | 2 | 130 | 10 | 15 | 0 | 5 | 5 | 0 | 0 | 30 | 5 | 0 | 0 | 0 | 0 | 5 | 55 | 0 | 7.69 | 11.54 | 0.00 | 3.85 | 3.85 | 0.00 | 0.00 | 23.08 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 42.31 | 0.00 |
| 14 | Wong Chuk Hang Road | 2 | 55 | 20 | 10 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 36.36 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | |
| 15 | Wong Chuk Hang Road | 2 | 300 | 135 | 50 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.00 | 16.67 | 0.00 | 8.33 | 5.00 | 0.00 | 1.67 | 5.00 | 3.33 | 1.67 | 1.67 | 0.00 | 0.00 | 0.00 | 8.33 | 3.33 | |
| 16 | Nam Long Shan Road | 1 | 185 | 90 | 30 | 0 | 5 | 5 | 0 | 5 | 10 | 5 | 5 | 5 | 0 | 0 | 20 | 5 | 48.65 | 16.22 | 0.00 | 2.70 | 2.70 | 0.00 | 2.70 | 5.41 | 2.70 | 2.70 | 2.70 | 0.00 | 0.00 | 0.00 | 10.81 | 2.70 | |
| 17 | Heung Yip Road | 1 | 45 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 55.56 | 11.11 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 18 | Heung Yip Road | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 19 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | |
| 20 | Yip Fat St | 1 | 30 | 20 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 21 | Heung Yip Road | 1 | 40 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 20 | 15 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 40 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25 | Heung Yip Road | 1 | 35 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.43 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | Heung Yip Road | 1 | 55 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 63.64 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | Heung Yip Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | Heung Yip Road | 1 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | Heung Yip Road | 1 | 25 | 15 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | Nam Long Shan Road | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 60 | 40 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | |
| 32 | Nam Long Shan Road | 1 | 55 | 35 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 63.64 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | |
| 33 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 60 | 40 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | |
| 39 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 60 | 40 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 04-05)

Traffic (Hour: 04-05)

| Hour: 04-05 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | Tong Bin Lane | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 15 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.33 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | Yip Kan St | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5 | Wong Chuk Hang Road | 2 | 300 | 135 | 50 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.00 | 16.67 | 0.00 | 8.33 | 5.00 | 0.00 | 1.67 | 5.00 | 3.33 | 1.67 | 1.67 | 0.00 | 0.00 | 0.00 | 8.33 | 3.33 | | |
| 6 | Wong Chuk Hang Road | 2 | 330 | 150 | 60 | 0 | 30 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.45 | 18.18 | 0.00 | 9.09 | 4.55 | 0.00 | 1.52 | 4.55 | 3.03 | 1.52 | 1.52 | 0.00 | 0.00 | 0.00 | 7.58 | 3.03 | | |
| 7 | Wong Chuk Hang Road | 2 | 150 | 50 | 20 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 0 | 0 | 30 | 5 | 33.33 | 13.33 | 0.00 | 6.67 | 3.33 | 0.00 | 10.00 | 3.33 | 3.33 | 3.33 | 0.00 | 0.00 | 0.00 | 20.00 | 3.33 | | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 95 | 35 | 0 | 20 | 10 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 50.00 | 18.42 | 0.00 | 10.53 | 5.26 | 0.00 | 2.63 | 2.63 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | | | |
| 9 | Wong Chuk Hang Road | 2 | 215 | 115 | 35 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 25 | 0 | 53.49 | 16.28 | 0.00 | 4.65 | 2.33 | 0.00 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 0.00 | 0.00 | 0.00 | 11.63 | 0.00 | | |
| 10 | Wong Chuk Hang Road | 2 | 155 | 85 | 25 | 0 | 5 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 20 | 0 | 54.84 | 16.13 | 0.00 | 3.23 | 3.23 | 0.00 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.90 | 0.00 | | |
| 11 | Wong Chuk Hang Road | 2 | 125 | 70 | 20 | 0 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 56.00 | 16.00 | 0.00 | 4.00 | 4.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 0.00 | | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 235 | 120 | 45 | 0 | 20 | 15 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 10 | 51.06 | 19.15 | 0.00 | 8.51 | 6.38 | 0.00 | 2.13 | 2.13 | 2.13 | 2.13 | 0.00 | 0.00 | 0.00 | 2.13 | 4.26 | | | |
| 13 | Wong Chuk Hang Road | 2 | 130 | 10 | 15 | 0 | 5 | 5 | 0 | 0 | 30 | 5 | 0 | 0 | 0 | 0 | 5 | 55 | 0 | 7.69 | 11.54 | 0.00 | 3.85 | 3.85 | 0.00 | 0.00 | 23.08 | 3.85 | 0.00 | 0.00 | 0.00 | 3.85 | 42.31 | 0.00 | | |
| 14 | Wong Chuk Hang Road | 2 | 55 | 20 | 10 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 36.36 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | | | |
| 15 | Wong Chuk Hang Road | 2 | 305 | 135 | 55 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 44.26 | 18.03 | 0.00 | 8.20 | 4.92 | 0.00 | 1.64 | 4.92 | 3.28 | 1.64 | 1.64 | 0.00 | 0.00 | 0.00 | 8.20 | 3.28 | | |
| 16 | Nam Long Shan Road | 1 | 185 | 90 | 30 | 0 | 5 | 5 | 0 | 5 | 10 | 5 | 5 | 5 | 0 | 0 | 20 | 5 | 48.65 | 16.22 | 0.00 | 2.70 | 2.70 | 0.00 | 2.70 | 5.41 | 2.70 | 2.70 | 2.70 | 0.00 | 0.00 | 0.00 | 10.81 | 2.70 | | |
| 17 | Heung Yip Road | 1 | 45 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 55.56 | 11.11 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 18 | Heung Yip Road | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 19 | Heung Yip Road | 1 | 75 | 40 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 53.33 | 6.67 | 0.00 | 13.33 | 6.67 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 0.00 | | |
| 20 | Yip Fat St | 1 | 30 | 20 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 21 | Heung Yip Road | 1 | 35 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.43 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 20 | 15 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 24 | Heung Yip Road | 1 | 35 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.43 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25 | Heung Yip Road | 1 | 35 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71.43 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 26 | Heung Yip Road | 1 | 55 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 63.64 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 27 | Heung Yip Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 28 | Heung Yip Road | 1 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 29 | Heung Yip Road | 1 | 20 | 15 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30 | Nam Long Shan Road | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 55 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 72.73 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | |
| 32 | Nam Long Shan Road | 1 | 50 | 35 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 70.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | |
| 33 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 36 | Shum Wan Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 37 | Shum Wan Pier Drive | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 60 | 40 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 16.67 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 0.00 | 0.00 | |
| 39 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 55 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 72.73 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | 0.00 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 05-06)

Traffic (Hour: 05-06)

| Hour: 05-06 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 1 | Yip Hing St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | Tong Bin Lane | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 15 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | Yip Kan St | 1 | 35 | 15 | 5 | 0 | 5 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.86 | 14.29 | 0.00 | 14.29 | 14.29 | 0.00 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5 | Wong Chuk Hang Road | 2 | 305 | 135 | 55 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 44.26 | 18.03 | 0.00 | 8.20 | 4.92 | 0.00 | 1.64 | 4.92 | 3.28 | 1.64 | 1.64 | 0.00 | 0.00 | 0.00 | 8.20 | 3.28 | | |
| 6 | Wong Chuk Hang Road | 2 | 340 | 155 | 60 | 0 | 30 | 15 | 0 | 5 | 20 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.59 | 17.65 | 0.00 | 8.82 | 4.41 | 0.00 | 1.47 | 5.88 | 2.94 | 1.47 | 1.47 | 0.00 | 0.00 | 0.00 | 7.35 | 2.94 | | |
| 7 | Wong Chuk Hang Road | 2 | 150 | 50 | 20 | 0 | 10 | 5 | 0 | 0 | 15 | 5 | 5 | 5 | 0 | 0 | 30 | 5 | 33.33 | 13.33 | 0.00 | 6.67 | 3.33 | 0.00 | 0.00 | 10.00 | 3.33 | 3.33 | 3.33 | 0.00 | 0.00 | 0.00 | 20.00 | 3.33 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 95 | 35 | 0 | 20 | 10 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 50.00 | 18.42 | 0.00 | 10.53 | 5.26 | 0.00 | 2.63 | 2.63 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 2.63 | | |
| 9 | Wong Chuk Hang Road | 2 | 210 | 115 | 35 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 25 | 0 | 54.76 | 16.67 | 0.00 | 4.76 | 2.38 | 0.00 | 2.38 | 2.38 | 2.38 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 11.90 | 0.00 | | |
| 10 | Wong Chuk Hang Road | 2 | 155 | 90 | 25 | 0 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 58.06 | 16.13 | 0.00 | 3.23 | 3.23 | 0.00 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.90 | 0.00 | | |
| 11 | Wong Chuk Hang Road | 2 | 120 | 70 | 20 | 0 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 58.33 | 16.67 | 0.00 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 | 0.00 | | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 235 | 120 | 45 | 0 | 20 | 15 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 10 | 51.06 | 19.15 | 0.00 | 8.51 | 6.38 | 0.00 | 2.13 | 2.13 | 2.13 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 8.06 | 3.23 | | |
| 13 | Wong Chuk Hang Road | 2 | 125 | 10 | 15 | 0 | 5 | 0 | 0 | 0 | 30 | 5 | 0 | 0 | 0 | 0 | 5 | 55 | 0 | 8.00 | 12.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 24.00 | 4.00 | 0.00 | 0.00 | 0.00 | 4.00 | 44.00 | 0.00 | | |
| 14 | Wong Chuk Hang Road | 2 | 55 | 20 | 10 | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 36.36 | 18.18 | 0.00 | 9.09 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.18 | 0.00 | | |
| 15 | Wong Chuk Hang Road | 2 | 310 | 140 | 55 | 0 | 25 | 15 | 0 | 5 | 15 | 10 | 5 | 5 | 0 | 0 | 25 | 10 | 45.16 | 17.74 | 0.00 | 8.06 | 4.84 | 0.00 | 1.61 | 4.84 | 3.23 | 1.61 | 1.61 | 0.00 | 0.00 | 0.00 | 8.06 | 3.23 | | |
| 16 | Nam Long Shan Road | 1 | 190 | 95 | 30 | 0 | 5 | 5 | 0 | 5 | 10 | 5 | 5 | 5 | 0 | 0 | 20 | 5 | 50.00 | 15.79 | 0.00 | 2.63 | 2.63 | 0.00 | 2.63 | 5.26 | 2.63 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 10.53 | 2.63 | | |
| 17 | Heung Yip Road | 1 | 95 | 55 | 10 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 57.89 | 10.53 | 0.00 | 10.53 | 5.26 | 0.00 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | | |
| 18 | Heung Yip Road | 1 | 110 | 65 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 59.09 | 9.09 | 0.00 | 9.09 | 4.55 | 0.00 | 0.00 | 4.55 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | 4.55 | | |
| 19 | Heung Yip Road | 1 | 155 | 85 | 15 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 0 | 0 | 0 | 5 | 54.84 | 9.68 | 0.00 | 9.68 | 6.45 | 0.00 | 3.23 | 6.45 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | | |
| 20 | Yip Fat St | 1 | 65 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 53.85 | 7.69 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | | |
| 21 | Heung Yip Road | 1 | 90 | 50 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 55.56 | 11.11 | 0.00 | 11.11 | 5.56 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 55 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 54.55 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 85 | 50 | 5 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 58.82 | 5.88 | 0.00 | 11.76 | 5.88 | 0.00 | 0.00 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 5.88 | |
| 25 | Heung Yip Road | 1 | 90 | 55 | 10 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 61.11 | 11.11 | 0.00 | 5.56 | 5.56 | 0.00 | 0.00 | 5.56 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | |
| 26 | Heung Yip Road | 1 | 120 | 75 | 15 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 62.50 | 12.50 | 0.00 | 8.33 | 4.17 | 0.00 | 0.00 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | |
| 27 | Heung Yip Road | 1 | 30 | 20 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 16.67 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | Heung Yip Road | 1 | 60 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 50.00 | 8.33 | 0.00 | 8.33 | 8.33 | 0.00 | 0.00 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | 8.33 | |
| 29 | Heung Yip Road | 1 | 65 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 53.85 | 7.69 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | |
| 30 | Nam Long Shan Road | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 125 | 80 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 64.00 | 12.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | | |
| 32 | Nam Long Shan Road | 1 | 120 | 75 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 62.50 | 12.50 | 0.00 | 4.17 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | | |
| 33 | Welfare Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 65 | 30 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 46.15 | 15.38 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | | |
| 36 | Shum Wan Road | 1 | 65 | 30 | 10 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 46.15 | 15.38 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | | |
| 37 | Shum Wan Pier Drive | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 130 | 85 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 65.38 | 11.54 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 3.85 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 3.85 | | |
| 39 | Nam Long Shan Road | 1 | 25 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 30 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 125 | 80 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 64.00 | 12.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 4.00 | | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 05-06)

Emission Factor Calculations (Hour: 00-01)

| Hour: 05-06 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|------|-------|-------|------|------|------|------|------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 5 | 4.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.049 | 0.005 |
| 2 | Tong Bin Lane | 1 | 5 | 4.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.049 | 0.005 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 30 | 2.44 | 7.17 | 0.00 | 13.87 | 0.00 | 0.00 | 71.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 3.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.945 | 0.049 |
| 4 | Yip Kan St | 1 | 35 | 2.09 | 6.15 | 0.00 | 11.88 | 27.45 | 0.00 | 60.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.76 | 0.79 | 0.00 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.084 | 0.050 | |
| 5 | Wong Chuk Hang Road | 2 | 305 | 1.95 | 7.07 | 0.00 | 6.18 | 8.50 | 0.00 | 6.36 | 4.95 | 0.47 | 1.35 | 2.99 | 0.00 | 0.00 | 0.00 | 48.60 | 1.16 | 0.17 | 0.00 | 0.00 | 0.35 | 0.22 | 0.00 | 0.28 | 0.36 | 0.04 | 0.06 | 0.20 | 0.00 | 0.00 | 0.00 | 0.46 | 0.02 | 0.896 | 0.022 |
| 6 | Wong Chuk Hang Road | 2 | 340 | 2.00 | 6.92 | 0.00 | 6.66 | 7.63 | 0.00 | 5.71 | 5.92 | 0.42 | 1.21 | 2.68 | 0.00 | 0.00 | 0.00 | 43.60 | 1.04 | 0.17 | 0.00 | 0.00 | 0.38 | 0.19 | 0.00 | 0.25 | 0.43 | 0.04 | 0.05 | 0.18 | 0.00 | 0.00 | 0.00 | 0.41 | 0.02 | 0.838 | 0.021 |
| 7 | Wong Chuk Hang Road | 2 | 150 | 1.46 | 5.23 | 0.00 | 5.03 | 5.76 | 0.00 | 0.00 | 10.06 | 0.48 | 2.74 | 6.08 | 0.00 | 0.00 | 0.00 | 118.59 | 1.17 | 0.13 | 0.00 | 0.00 | 0.29 | 0.15 | 0.00 | 0.00 | 0.73 | 0.04 | 0.12 | 0.41 | 0.00 | 0.00 | 0.00 | 1.13 | 0.02 | 1.566 | 0.030 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 190 | 1.81 | 5.85 | 0.00 | 7.66 | 7.37 | 0.00 | 8.65 | 2.87 | 0.31 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 13.18 | 0.92 | 0.10 | 0.00 | 0.00 | 0.27 | 0.18 | 0.00 | 0.30 | 0.14 | 0.02 | 0.09 | 0.00 | 0.00 | 0.00 | 0.14 | 0.01 | 0.507 | 0.012 | |
| 9 | Wong Chuk Hang Road | 2 | 210 | 2.41 | 6.53 | 0.00 | 3.59 | 4.12 | 0.00 | 9.24 | 2.40 | 0.34 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 70.59 | 0.00 | 0.21 | 0.00 | 0.00 | 0.21 | 0.10 | 0.00 | 0.40 | 0.17 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.00 | 1.012 | 0.019 |
| 10 | Wong Chuk Hang Road | 2 | 155 | 2.55 | 6.32 | 0.00 | 2.43 | 5.58 | 0.00 | 12.52 | 3.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 76.51 | 0.00 | 0.22 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.54 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 1.092 | 0.020 | |
| 11 | Wong Chuk Hang Road | 2 | 120 | 2.56 | 6.53 | 0.00 | 3.14 | 0.00 | 0.00 | 16.17 | 4.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 74.12 | 0.00 | 0.22 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.70 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 1.067 | 0.021 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 235 | 1.85 | 6.08 | 0.00 | 6.19 | 8.93 | 0.00 | 7.00 | 2.32 | 0.25 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 10.65 | 1.49 | 0.10 | 0.00 | 0.00 | 0.22 | 0.22 | 0.00 | 0.24 | 0.11 | 0.02 | 0.08 | 0.00 | 0.00 | 0.00 | 0.11 | 0.02 | 0.464 | 0.011 | |
| 13 | Wong Chuk Hang Road | 2 | 125 | 0.35 | 4.70 | 0.00 | 3.02 | 0.00 | 0.00 | 0.00 | 24.15 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 22.88 | 260.91 | 0.00 | 0.03 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 1.76 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 2.48 | 0.00 | 3.166 | 0.047 |
| 14 | Wong Chuk Hang Road | 2 | 55 | 1.60 | 7.13 | 0.00 | 6.86 | 0.00 | 0.00 | 18.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.81 | 0.00 | 0.14 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 1.417 | 0.029 | |
| 15 | Wong Chuk Hang Road | 2 | 310 | 1.98 | 6.95 | 0.00 | 6.08 | 8.36 | 0.00 | 6.26 | 4.87 | 0.46 | 1.33 | 2.94 | 0.00 | 0.00 | 0.00 | 47.82 | 1.14 | 0.17 | 0.00 | 0.00 | 0.35 | 0.21 | 0.00 | 0.27 | 0.35 | 0.04 | 0.06 | 0.20 | 0.00 | 0.00 | 0.45 | 0.02 | 0.882 | 0.021 | |
| 16 | Nam Long Shan Road | 1 | 190 | 2.44 | 6.79 | 0.00 | 2.19 | 5.06 | 0.00 | 11.21 | 5.26 | 0.42 | 2.28 | 5.44 | 0.00 | 0.00 | 0.00 | 68.47 | 1.00 | 0.25 | 0.00 | 0.00 | 0.14 | 0.15 | 0.00 | 0.60 | 0.50 | 0.04 | 0.10 | 0.35 | 0.00 | 0.00 | 0.74 | 0.02 | 1.106 | 0.029 | |
| 17 | Heung Yip Road | 1 | 95 | 2.82 | 4.53 | 0.00 | 8.76 | 10.11 | 0.00 | 0.00 | 0.83 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.29 | 0.00 | 0.00 | 0.56 | 0.29 | 0.00 | 0.00 | 0.00 | 0.08 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.336 | 0.015 | | |
| 18 | Heung Yip Road | 1 | 110 | 2.88 | 3.91 | 0.00 | 7.56 | 8.73 | 0.00 | 0.00 | 0.00 | 0.72 | 3.94 | 9.39 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 0.29 | 0.00 | 0.00 | 0.48 | 0.25 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.61 | 0.00 | 0.00 | 0.00 | 0.04 | 0.389 | 0.019 | |
| 19 | Heung Yip Road | 1 | 155 | 2.67 | 4.16 | 0.00 | 8.05 | 12.40 | 0.00 | 13.74 | 0.00 | 1.02 | 2.80 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 0.27 | 0.00 | 0.00 | 0.52 | 0.36 | 0.00 | 0.73 | 0.00 | 0.10 | 0.13 | 0.43 | 0.00 | 0.00 | 0.00 | 0.03 | 0.527 | 0.026 | |
| 20 | Yip Fat St | 1 | 65 | 2.62 | 3.31 | 0.00 | 6.40 | 14.78 | 0.00 | 0.00 | 0.00 | 1.22 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 2.93 | 0.27 | 0.00 | 0.00 | 0.41 | 0.42 | 0.00 | 0.00 | 0.00 | 0.12 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.379 | 0.016 | | |
| 21 | Heung Yip Road | 1 | 90 | 2.71 | 4.78 | 0.00 | 9.24 | 10.67 | 0.00 | 0.00 | 0.00 | 0.88 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 0.27 | 0.00 | 0.00 | 0.59 | 0.31 | 0.00 | 0.00 | 0.00 | 0.09 | 0.22 | 0.00 | 0.00 | 0.00 | 0.04 | 0.352 | 0.015 | | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 55 | 2.66 | 3.91 | 0.00 | 7.56 | 17.47 | 0.00 | 0.00 | 0.00 | 1.44 | 7.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.48 | 0.50 | 0.00 | 0.00 | 0.00 | 0.14 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.409 | 0.018 | |
| 24 | Heung Yip Road | 1 | 85 | 2.86 | 2.53 | 0.00 | 9.79 | 11.30 | 0.00 | 0.00 | 0.00 | 0.93 | 5.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 0.29 | 0.00 | 0.00 | 0.63 | 0.32 | 0.00 | 0.00 | 0.00 | 0.09 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.348 | 0.016 | |
| 25 | Heung Yip Road | 1 | 90 | 2.98 | 4.78 | 0.00 | 4.62 | 10.67 | 0.00 | 0.00 | 0.00 | 0.88 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 0.30 | 0.00 | 0.00 | 0.30 | 0.31 | 0.00 | 0.00 | 0.00 | 0.09 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.309 | 0.013 | |
| 26 | Heung Yip Road | 1 | 120 | 3.04 | 5.38 | 0.00 | 6.93 | 8.01 | 0.00 | 0.00 | 0.00 | 0.66 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 0.31 | 0.00 | 0.00 | 0.44 | 0.23 | 0.00 | 0.00 | 0.00 | 0.06 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.292 | 0.012 | |
| 27 | Heung Yip Road | 1 | 30 | 3.25 | 7.17 | 0.00 | 13.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.243 | 0.012 | |
| 28 | Heung Yip Road | 1 | 60 | 2.44 | 3.59 | 0.00 | 6.93 | 16.01 | 0.00 | 0.00 | 0.00 | 1.32 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 0.25 | 0.00 | 0.00 | 0.44 | 0.46 | 0.00 | 0.00 | 0.00 | 0.13 | 0.33 | 0.00 | 0.00 | 0.00 | 0.06 | 0.407 | 0.017 | | |
| 29 | Heung Yip Road | 1 | 65 | 2.62 | 3.31 | 0.00 | 6.40 | 14.78 | 0.00 | 0.00 | 0.00 | 1.22 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.93 | 0.27 | 0.00 | 0.00 | 0.41 | 0.42 | 0.00 | 0.00 | 0.00 | 0.12 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.379 | 0.016 | |
| 30 | Nam Long Shan Road | 1 | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 325.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 0.00 | 3.752 | 0.083 | | |
| 31 | Nam Long Shan Road | 1 | 125 | 3.12 | 5.16 | 0.00 | 3.33 | 0.00 | 0.00 | 0.00 | 3.99 | 0.63 | 3.47 | 0.00 | 0.00 | 0.00 | 0.00 | 26.02 | 1.52 | 0.32 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.38 | 0.06 | 0.16 | 0.00 | 0.00 | 0.00 | 0.28 | 0.03 | 0.472 | 0.014 | | |
| 32 | Nam Long Shan Road | 1 | 120 | 3.04 | 5.38 | 0.00 | 3.47 | 0.00 | 0.00 | 0.00 | 4.16 | 0.66 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 | 27.10 | 1.59 | 0.31 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.40 | 0.06 | 0.16 | 0.00 | 0.00 | 0.00 | 0.29 | 0.03 | 0.490 | 0.015 | | |
| 33 | Welfare Road | 1 | 15 | 3.25 | 14.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.176 | 0.003 | | |
| 34 | Welfare Road | 1 | 5 | 4.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.049 | 0.005 | | |
| 35 | Shum Wan Road | 1 | 65 | 2.25 | 6.62 | 0.00 | 6.40 | 0.00 | 0.00 | 0.00 | 7.68 | 1.22 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 50.04 | 0.00 | 0.23 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.73 | 0.12 | 0.30 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.809 | 0.023 | | |
| 36 | Shum Wan Road | 1 | 65 | 2.25 | 6.62 | 0.00 | 6.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 06-07)

Traffic (Hour: 06-07)

| Hour: 06-07 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|-------|--------|-------|-----------------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------|------|-------|------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 1 | Yip Hing St | 1 | 40 | 15 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.50 | 12.50 | 0.00 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | Tong Bin Lane | 1 | 40 | 15 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.50 | 12.50 | 0.00 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 25 | 10 | 0 | 5 | 5 | 5 | 10 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 33.33 | 13.33 | 0.00 | 6.67 | 6.67 | 6.67 | 13.33 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 105 | 35 | 15 | 0 | 10 | 5 | 5 | 15 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 33.33 | 14.29 | 0.00 | 9.52 | 4.76 | 4.76 | 14.29 | 0.00 | 4.76 | 0.00 | 4.76 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 630 | 275 | 110 | 0 | 50 | 30 | 5 | 10 | 30 | 15 | 15 | 5 | 5 | 5 | 50 | 43.65 | 17.46 | 0.00 | 7.94 | 4.76 | 0.79 | 1.59 | 4.76 | 2.38 | 2.38 | 0.79 | 0.79 | 0.79 | 0.79 | 7.94 | 3.17 | 0.00 | 0.00 | 0.00 | |
| 6 | Wong Chuk Hang Road | 2 | 690 | 310 | 120 | 0 | 55 | 30 | 5 | 10 | 35 | 15 | 15 | 5 | 5 | 5 | 55 | 44.93 | 17.39 | 0.00 | 7.97 | 4.35 | 0.72 | 1.45 | 5.07 | 2.17 | 2.17 | 0.72 | 0.72 | 0.72 | 0.72 | 7.97 | 2.90 | 0.00 | 0.00 | 0.00 | |
| 7 | Wong Chuk Hang Road | 2 | 310 | 105 | 45 | 0 | 20 | 10 | 0 | 5 | 35 | 5 | 5 | 5 | 5 | 5 | 5 | 33.87 | 14.52 | 0.00 | 6.45 | 3.23 | 0.00 | 1.61 | 11.29 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 17.74 | 1.61 | 0.00 | 0.00 | 0.00 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 405 | 195 | 75 | 0 | 35 | 20 | 5 | 10 | 5 | 10 | 10 | 5 | 5 | 0 | 10 | 48.15 | 18.52 | 0.00 | 8.64 | 4.94 | 1.23 | 2.47 | 1.23 | 2.47 | 1.23 | 1.23 | 1.23 | 0.00 | 2.47 | 3.70 | 0.00 | 0.00 | 0.00 | | |
| 9 | Wong Chuk Hang Road | 2 | 450 | 240 | 70 | 0 | 15 | 10 | 5 | 10 | 10 | 5 | 5 | 5 | 5 | 5 | 55 | 53.33 | 15.56 | 0.00 | 3.33 | 2.22 | 1.11 | 2.22 | 2.22 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 12.22 | 1.11 | 0.00 | 0.00 | 0.00 | |
| 10 | Wong Chuk Hang Road | 2 | 335 | 180 | 50 | 0 | 10 | 5 | 5 | 5 | 10 | 5 | 0 | 5 | 5 | 5 | 40 | 53.73 | 14.93 | 0.00 | 2.99 | 1.49 | 1.49 | 1.49 | 2.99 | 1.49 | 0.00 | 1.49 | 1.49 | 1.49 | 1.49 | 11.94 | 1.49 | 0.00 | 0.00 | 0.00 | |
| 11 | Wong Chuk Hang Road | 2 | 265 | 150 | 40 | 0 | 10 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 30 | 5 | 56.60 | 15.09 | 0.00 | 3.77 | 1.89 | 1.89 | 1.89 | 1.89 | 0.00 | 0.00 | 1.89 | 0.00 | 0.00 | 1.89 | 11.32 | 1.89 | 0.00 | 0.00 | 0.00 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 495 | 245 | 90 | 0 | 40 | 25 | 5 | 10 | 10 | 15 | 10 | 5 | 5 | 0 | 15 | 49.49 | 18.18 | 0.00 | 8.08 | 5.05 | 1.01 | 2.02 | 2.02 | 3.03 | 2.02 | 1.01 | 1.01 | 1.01 | 0.00 | 3.03 | 3.03 | 0.00 | 0.00 | 0.00 | |
| 13 | Wong Chuk Hang Road | 2 | 275 | 20 | 35 | 0 | 10 | 5 | 0 | 0 | 65 | 5 | 5 | 5 | 5 | 110 | 0 | 7.27 | 12.73 | 0.00 | 3.64 | 1.82 | 0.00 | 0.00 | 23.64 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 40.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 14 | Wong Chuk Hang Road | 2 | 140 | 45 | 20 | 0 | 5 | 5 | 0 | 0 | 15 | 5 | 5 | 0 | 0 | 25 | 5 | 32.14 | 14.29 | 0.00 | 3.57 | 3.57 | 0.00 | 0.00 | 10.71 | 3.57 | 3.57 | 3.57 | 0.00 | 0.00 | 3.57 | 17.86 | 3.57 | 0.00 | 0.00 | 0.00 | |
| 15 | Wong Chuk Hang Road | 2 | 635 | 280 | 110 | 0 | 50 | 30 | 5 | 10 | 30 | 15 | 15 | 5 | 5 | 5 | 50 | 44.09 | 17.32 | 0.00 | 7.87 | 4.72 | 0.79 | 1.57 | 4.72 | 2.36 | 2.36 | 0.79 | 0.79 | 0.79 | 7.87 | 3.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 16 | Nam Long Shan Road | 1 | 385 | 190 | 60 | 0 | 10 | 10 | 5 | 5 | 20 | 10 | 10 | 5 | 5 | 5 | 40 | 49.35 | 15.58 | 0.00 | 2.60 | 2.60 | 1.30 | 1.30 | 5.19 | 2.60 | 2.60 | 1.30 | 1.30 | 1.30 | 1.30 | 10.39 | 1.30 | 0.00 | 0.00 | 0.00 | |
| 17 | Heung Yip Road | 1 | 200 | 110 | 15 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 0 | 10 | 55.00 | 7.50 | 0.00 | 7.50 | 5.00 | 0.00 | 2.50 | 0.00 | 5.00 | 5.00 | 2.50 | 2.50 | 0.00 | 0.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | |
| 18 | Heung Yip Road | 1 | 245 | 135 | 20 | 0 | 20 | 15 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 0 | 10 | 55.10 | 8.16 | 0.00 | 8.16 | 6.12 | 2.04 | 2.04 | 0.00 | 4.08 | 4.08 | 2.04 | 2.04 | 0.00 | 0.00 | 4.08 | 4.08 | 0.00 | 0.00 | 0.00 | |
| 19 | Heung Yip Road | 1 | 320 | 180 | 25 | 0 | 30 | 15 | 5 | 5 | 0 | 20 | 15 | 5 | 5 | 0 | 10 | 56.25 | 7.81 | 0.00 | 9.38 | 4.69 | 1.56 | 1.56 | 0.00 | 6.25 | 4.69 | 1.56 | 1.56 | 0.00 | 0.00 | 3.13 | 3.13 | 0.00 | 0.00 | 0.00 | |
| 20 | Yip Fat St | 1 | 135 | 75 | 10 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 55.56 | 7.41 | 0.00 | 7.41 | 3.70 | 0.00 | 3.70 | 0.00 | 3.70 | 3.70 | 3.70 | 3.70 | 0.00 | 0.00 | 3.70 | 3.70 | 0.00 | 0.00 | 0.00 | |
| 21 | Heung Yip Road | 1 | 195 | 105 | 15 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 0 | 10 | 53.85 | 7.69 | 0.00 | 7.69 | 5.13 | 0.00 | 2.56 | 0.00 | 5.13 | 5.13 | 2.56 | 2.56 | 0.00 | 0.00 | 5.13 | 5.13 | 0.00 | 0.00 | 0.00 | |
| 22 | Yip Fat St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 110 | 60 | 10 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 54.55 | 9.09 | 0.00 | 9.09 | 4.55 | 0.00 | 4.55 | 0.00 | 4.55 | 4.55 | 4.55 | 0.00 | 0.00 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 190 | 105 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 0 | 10 | 55.26 | 5.26 | 0.00 | 7.89 | 5.26 | 0.00 | 2.63 | 0.00 | 5.26 | 5.26 | 2.63 | 2.63 | 0.00 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 0.00 | |
| 25 | Heung Yip Road | 1 | 175 | 110 | 20 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 62.86 | 11.43 | 0.00 | 5.71 | 2.86 | 0.00 | 2.86 | 0.00 | 2.86 | 2.86 | 2.86 | 0.00 | 0.00 | 2.86 | 2.86 | 0.00 | 0.00 | 2.86 | 2.86 | |
| 26 | Heung Yip Road | 1 | 275 | 160 | 30 | 0 | 15 | 10 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 0 | 5 | 58.18 | 10.91 | 0.00 | 5.45 | 3.64 | 1.82 | 1.82 | 0.00 | 3.64 | 3.64 | 1.82 | 1.82 | 0.00 | 0.00 | 1.82 | 1.82 | 0.00 | 0.00 | 3.64 | 3.64 |
| 27 | Heung Yip Road | 1 | 75 | 45 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 60.00 | 6.67 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | | |
| 28 | Heung Yip Road | 1 | 125 | 65 | 10 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 52.00 | 8.00 | 0.00 | 8.00 | 4.00 | 0.00 | 4.00 | 0.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 | 0.00 | 0.00 |
| 29 | Heung Yip Road | 1 | 130 | 70 | 10 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 5 | 53.85 | 7.69 | 0.00 | 7.69 | 3.85 | 0.00 | 3.85 | 0.00 | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | 3.85 | 0.00 | 0.00 | 3.85 | 3.85 | 0.00 | 0.00 |
| 30 | Nam Long Shan Road | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | 0.00 | 0.00 | |
| 31 | Nam Long Shan Road | 1 | 285 | 170 | 35 | 0 | 10 | 5 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 0 | 15 | 59.65 | 12.28 | 0.00 | 3.51 | 1.75 | 0.00 | 1.75 | 1.75 | 3.51 | 3.51 | 1.75 | 1.75 | 1.75 | 0.00 | 0.00 | 1.75 | 1.75 | 0.00 | 0.00 | |
| 32 | Nam Long Shan Road | 1 | 260 | 155 | 30 | 0 | 10 | 5 | 0 | 5 | 5 | 10 | 5 | 5 | 0 | 15 | 5 | 59.62 | 11.54 | 0.00 | 3.85 | 1.92 | 0.00 | 1.92 | 1.92 | 3.85 | 1.92 | 1.92 | 1.92 | 1.92 | 0.00 | 0.00 | 1.92 | 1.92 | 0.00 | 0.00 | |
| 33 | Welfare Road | 1 | 45 | 25 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 55.56 | 22.22 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | |
| 34 | Welfare Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 155 | 65 | 25 | 0 | 5 | 5 | 0 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 10 | 41.94 | 16.13 | 0.00 | 3.23 | 3.23 | 0.00 | 0.00 | 6.45 | 6.45 | 3.23 | 3.23 | 3.23 | 3.23 | 0.00 | 6.45 | 3.23 | 0.00 | 0.00 | 0.00 | |
| 36 | Shum Wan Road | 1 | 165 | 75 | 25 | 0 | 5 | 5 | 0 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 10 | 45.45 | 15.15 | 0.00 | 3.03 | 3.03 | 0.00 | 0.00 | 6.06 | 6.06 | 3.03 | 3.03 | 3.03 | 3.03 | 0.00 | 6.06 | 3.03 | 0.00 | 0.00 | 0.00 | |
| 37 | Shum Wan Pier Drive | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 290 | 175 | 35 | 0 | 10 | 5 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 0 | 15 | 60.34 | 12.07 | 0.00 | 3.45 | 1.72 | 0.00 | 1.72 | 1.72 | 3.45 | 3.45 | 1.72 | 1.72 | 1.72 | 0.00 | 5.17 | 1.72 | 0.00 | 0.00 | 0.00 | |
| 39 | Nam Long Shan Road | 1 | 70 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 57.14 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.14 | 7.14 | 0.00 | 0.00 | 0.00 | 0.00 | 7.14 | 7.14 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 95 | 55 | 10 | 0 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 57.89 | 10.53 | 0.00 | 5.26 | 0.00 | 0.00 | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 06-07)

Emission Factor Calculations (Hour: 00-01)

| Hour: 06-07 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|--------|--------|---|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 40 | 1.89 | 5.60 | 0.00 | 10.74 | 26.29 | 30.65 | 53.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.68 | 0.80 | 1.64 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.283 | 0.060 |
| 2 | Tong Bin Lane | 1 | 40 | 1.89 | 5.60 | 0.00 | 10.74 | 26.29 | 30.65 | 53.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.68 | 0.80 | 1.64 | 2.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.283 | 0.060 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 1.68 | 5.98 | 0.00 | 5.73 | 14.02 | 16.35 | 56.69 | 0.00 | 0.00 | 0.00 | 15.43 | 31.62 | 50.21 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.36 | 0.43 | 0.87 | 2.90 | 0.00 | 0.00 | 0.00 | 1.10 | 1.96 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 1.977 | 0.104 |
| 4 | Yip Kan St | 1 | 105 | 1.68 | 6.40 | 0.00 | 8.18 | 10.02 | 11.68 | 60.74 | 0.00 | 0.78 | 0.00 | 11.02 | 22.59 | 35.86 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.52 | 0.30 | 0.62 | 3.11 | 0.00 | 0.09 | 0.00 | 0.78 | 1.40 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 1.690 | 0.089 |
| 5 | Wong Chuk Hang Road | 2 | 630 | 1.92 | 6.85 | 0.00 | 5.99 | 8.23 | 1.77 | 6.16 | 4.79 | 0.34 | 1.96 | 1.45 | 2.94 | 4.67 | 4.54 | 47.06 | 1.12 | 0.16 | 0.00 | 0.00 | 0.34 | 0.21 | 0.08 | 0.27 | 0.35 | 0.03 | 0.08 | 0.10 | 0.18 | 0.21 | 0.03 | 0.45 | 0.02 | 0.998 | 0.025 | |
| 6 | Wong Chuk Hang Road | 2 | 690 | 1.98 | 6.82 | 0.00 | 6.01 | 7.51 | 1.61 | 5.62 | 5.10 | 0.31 | 1.79 | 1.32 | 2.69 | 4.27 | 4.14 | 47.26 | 1.02 | 0.17 | 0.00 | 0.00 | 0.34 | 0.19 | 0.07 | 0.24 | 0.37 | 0.03 | 0.08 | 0.09 | 0.16 | 0.19 | 0.03 | 0.45 | 0.02 | 0.975 | 0.024 | |
| 7 | Wong Chuk Hang Road | 2 | 310 | 1.49 | 5.69 | 0.00 | 4.87 | 5.58 | 0.00 | 6.26 | 11.36 | 0.23 | 1.33 | 2.94 | 5.98 | 9.50 | 9.23 | 105.20 | 0.57 | 0.13 | 0.00 | 0.00 | 0.28 | 0.14 | 0.00 | 0.27 | 0.83 | 0.02 | 0.06 | 0.20 | 0.36 | 0.42 | 0.07 | 1.00 | 0.01 | 1.702 | 0.038 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 405 | 1.74 | 5.89 | 0.00 | 6.29 | 6.91 | 2.30 | 8.12 | 1.35 | 0.29 | 1.91 | 1.74 | 3.56 | 5.66 | 0.00 | 12.36 | 1.29 | 0.09 | 0.00 | 0.00 | 0.22 | 0.17 | 0.08 | 0.28 | 0.07 | 0.02 | 0.09 | 0.15 | 0.28 | 0.27 | 0.00 | 0.13 | 0.02 | 0.594 | 0.019 | |
| 9 | Wong Chuk Hang Road | 2 | 450 | 2.35 | 6.10 | 0.00 | 2.51 | 3.84 | 2.47 | 8.62 | 2.24 | 0.16 | 0.91 | 2.03 | 4.12 | 6.54 | 6.36 | 72.47 | 0.39 | 0.20 | 0.00 | 0.00 | 0.14 | 0.10 | 0.11 | 0.37 | 0.16 | 0.01 | 0.04 | 0.14 | 0.25 | 0.29 | 0.05 | 0.69 | 0.01 | 1.211 | 0.026 | |
| 10 | Wong Chuk Hang Road | 2 | 335 | 2.36 | 5.85 | 0.00 | 2.25 | 2.58 | 3.32 | 5.79 | 3.00 | 0.21 | 0.00 | 2.72 | 5.53 | 8.79 | 8.54 | 70.80 | 0.53 | 0.20 | 0.00 | 0.00 | 0.13 | 0.07 | 0.15 | 0.25 | 0.22 | 0.02 | 0.00 | 0.19 | 0.33 | 0.39 | 0.06 | 0.67 | 0.01 | 1.223 | 0.027 | |
| 11 | Wong Chuk Hang Road | 2 | 265 | 2.49 | 5.92 | 0.00 | 2.85 | 3.26 | 4.20 | 7.32 | 1.90 | 0.00 | 0.00 | 3.44 | 0.00 | 0.00 | 10.79 | 67.13 | 0.66 | 0.21 | 0.00 | 0.00 | 0.16 | 0.08 | 0.19 | 0.32 | 0.14 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.08 | 0.64 | 0.01 | 1.100 | 0.021 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 495 | 1.79 | 5.78 | 0.00 | 5.88 | 7.07 | 1.88 | 6.64 | 2.20 | 0.36 | 1.56 | 1.43 | 2.91 | 4.63 | 0.00 | 15.17 | 1.06 | 0.10 | 0.00 | 0.00 | 0.21 | 0.18 | 0.06 | 0.23 | 0.11 | 0.02 | 0.07 | 0.13 | 0.23 | 0.22 | 0.00 | 0.16 | 0.02 | 0.584 | 0.017 | |
| 13 | Wong Chuk Hang Road | 2 | 275 | 0.32 | 4.99 | 0.00 | 2.74 | 3.14 | 0.00 | 0.00 | 23.78 | 0.26 | 1.50 | 3.32 | 6.74 | 10.70 | 10.40 | 237.18 | 0.00 | 0.03 | 0.00 | 0.00 | 0.16 | 0.08 | 0.00 | 0.00 | 1.73 | 0.02 | 0.06 | 0.23 | 0.41 | 0.47 | 0.08 | 2.26 | 0.00 | 3.051 | 0.055 | |
| 14 | Wong Chuk Hang Road | 2 | 140 | 1.41 | 5.60 | 0.00 | 2.69 | 6.17 | 0.00 | 10.78 | 0.51 | 2.94 | 6.51 | 0.00 | 0.00 | 20.43 | 105.88 | 1.26 | 0.12 | 0.00 | 0.00 | 0.15 | 0.16 | 0.00 | 0.00 | 0.78 | 0.05 | 0.12 | 0.44 | 0.00 | 0.00 | 0.15 | 1.01 | 0.02 | 1.642 | 0.030 | | |
| 15 | Wong Chuk Hang Road | 2 | 635 | 1.94 | 6.79 | 0.00 | 5.94 | 8.17 | 1.75 | 6.11 | 4.75 | 0.34 | 1.94 | 1.44 | 2.92 | 4.64 | 4.50 | 46.69 | 1.11 | 0.17 | 0.00 | 0.00 | 0.34 | 0.21 | 0.08 | 0.27 | 0.35 | 0.03 | 0.08 | 0.10 | 0.18 | 0.21 | 0.03 | 0.44 | 0.02 | 0.990 | 0.025 | |
| 16 | Nam Long Shan Road | 1 | 385 | 2.49 | 6.98 | 0.00 | 2.23 | 5.46 | 3.18 | 5.52 | 5.43 | 0.43 | 2.35 | 3.01 | 6.16 | 9.78 | 0.00 | 76.32 | 0.50 | 0.27 | 0.00 | 0.00 | 0.14 | 0.17 | 0.17 | 0.28 | 0.66 | 0.05 | 0.11 | 0.21 | 0.38 | 0.51 | 0.00 | 0.83 | 0.02 | 1.298 | 0.038 | |
| 17 | Heung Yip Road | 1 | 200 | 2.77 | 3.36 | 0.00 | 6.45 | 10.52 | 0.00 | 10.63 | 0.00 | 0.82 | 4.52 | 5.79 | 11.86 | 18.83 | 0.00 | 0.00 | 1.93 | 0.31 | 0.00 | 0.00 | 0.41 | 0.32 | 0.00 | 0.54 | 0.00 | 0.10 | 0.21 | 0.41 | 0.73 | 0.98 | 0.00 | 0.00 | 0.06 | 0.775 | 0.041 | |
| 18 | Heung Yip Road | 1 | 245 | 2.78 | 3.66 | 0.00 | 7.02 | 12.88 | 5.00 | 8.68 | 0.00 | 0.67 | 3.69 | 4.72 | 9.68 | 15.37 | 0.00 | 0.00 | 1.58 | 0.31 | 0.00 | 0.00 | 0.44 | 0.39 | 0.27 | 0.44 | 0.00 | 0.08 | 0.17 | 0.34 | 0.60 | 0.80 | 0.00 | 0.00 | 0.05 | 0.757 | 0.039 | |
| 19 | Heung Yip Road | 1 | 320 | 2.83 | 3.50 | 0.00 | 8.06 | 9.86 | 3.83 | 6.64 | 0.00 | 1.03 | 4.24 | 3.62 | 7.41 | 11.77 | 0.00 | 0.00 | 1.21 | 0.31 | 0.00 | 0.00 | 0.51 | 0.30 | 0.20 | 0.34 | 0.00 | 0.12 | 0.20 | 0.26 | 0.46 | 0.61 | 0.00 | 0.00 | 0.04 | 0.640 | 0.034 | |
| 20 | Yip Fat St | 1 | 135 | 2.80 | 3.32 | 0.00 | 6.37 | 7.79 | 0.00 | 15.75 | 0.00 | 0.61 | 3.35 | 8.57 | 17.57 | 27.89 | 0.00 | 0.00 | 1.43 | 0.31 | 0.00 | 0.00 | 0.40 | 0.24 | 0.00 | 0.81 | 0.00 | 0.07 | 0.16 | 0.61 | 1.09 | 1.45 | 0.00 | 0.00 | 0.05 | 0.954 | 0.052 | |
| 21 | Heung Yip Road | 1 | 195 | 2.71 | 3.45 | 0.00 | 6.61 | 10.79 | 0.00 | 10.90 | 0.00 | 0.84 | 4.64 | 5.94 | 12.16 | 19.31 | 0.00 | 0.00 | 1.98 | 0.30 | 0.00 | 0.00 | 0.42 | 0.33 | 0.00 | 0.56 | 0.00 | 0.10 | 0.22 | 0.42 | 0.75 | 1.01 | 0.00 | 0.00 | 0.06 | 0.793 | 0.042 | |
| 22 | Yip Fat St | 1 | 5 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.050 | 0.006 | |
| 23 | Yip Fat St | 1 | 110 | 2.75 | 4.07 | 0.00 | 7.81 | 9.56 | 0.00 | 19.33 | 0.00 | 0.75 | 4.11 | 10.52 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 0.30 | 0.00 | 0.00 | 0.49 | 0.29 | 0.00 | 0.99 | 0.00 | 0.09 | 0.19 | 0.75 | 0.00 | 0.00 | 0.00 | 0.06 | 0.607 | 0.032 | | |
| 24 | Heung Yip Road | 1 | 190 | 2.78 | 2.36 | 0.00 | 6.78 | 11.07 | 0.00 | 11.19 | 0.00 | 0.87 | 4.76 | 6.09 | 12.48 | 19.82 | 0.00 | 0.00 | 2.03 | 0.31 | 0.00 | 0.00 | 0.43 | 0.34 | 0.00 | 0.57 | 0.00 | 0.10 | 0.22 | 0.43 | 0.77 | 1.03 | 0.00 | 0.00 | 0.06 | 0.802 | 0.043 | |
| 25 | Heung Yip Road | 1 | 175 | 3.17 | 5.12 | 0.00 | 4.91 | 6.01 | 0.00 | 12.15 | 0.00 | 0.47 | 2.58 | 6.61 | 0.00 | 0.00 | 0.00 | 20.99 | 1.10 | 0.35 | 0.00 | 0.00 | 0.31 | 0.18 | 0.00 | 0.62 | 0.00 | 0.06 | 0.12 | 0.47 | 0.00 | 0.00 | 0.00 | 0.23 | 0.04 | 0.631 | 0.024 | |
| 26 | Heung Yip Road | 1 | 275 | 2.93 | 4.89 | 0.00 | 4.69 | 7.65 | 4.46 | 7.73 | 0.00 | 0.60 | 3.29 | 4.21 | 8.62 | 13.69 | 0.00 | 13.36 | 1.40 | 0.32 | 0.00 | 0.00 | 0.30 | 0.23 | 0.24 | 0.40 | 0.00 | 0.07 | 0.15 | 0.30 | 0.53 | 0.71 | 0.00 | 0.14 | 0.04 | 0.775 | 0.034 | |
| 27 | Heung Yip Road | 1 | 75 | 3.02 | 2.99 | 0.00 | 5.73 | 14.02 | 0.00 | 0.00 | 0.00 | 1.10 | 6.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 0.33 | 0.00 | 0.00 | 0.36 | 0.43 | 0.00 | 0.00 | 0.00 | 0.13 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.355 | 0.016 | | |
| 28 | Heung Yip Road | 1 | 125 | 2.62 | 3.59 | 0.00 | 6.88 | 8.41 | 0.00 | 17.01 | 0.00 | 0.66 | 3.62 | 9.26 | 18.97 | 30.13 | 0.00 | 0.00 | 1.54 | 0.29 | 0.00 | 0.00 | 0.43 | 0.26 | 0.00 | 0.87 | 0.00 | 0.08 | 0.17 | 0.66 | 1.17 | 1.57 | 0.00 | 0.00 | 0.05 | 1.027 | 0.055 | |
| 29 | Heung Yip Road | 1 | 130 | 2.71 | 3.45 | 0.00 | 6.61 | 8.09 | 0.00 | 16.35 | 0.00 | 0.63 | 3.48 | 8.90 | 18.24 | 28.97 | 0.00 | 0.00 | 1.48 | 0.30 | 0.00 | 0.00 | 0.42 | 0.25 | 0.00 | 0.84 | 0.00 | 0.08 | 0.16 | 0.63 | 1.13 | 1.51 | 0.00 | 0.00 | 0.05 | 0.989 | 0.054 | |
| 30 | Nam Long Shan Road | 1 | 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 489.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.30 | 0.00 | 0.00 | 5.245 | 0.095 | | |
| 31 | Nam Long Shan Road | 1 | 285 | 3.00 | 5.50 | 0.00 | 3.02 | 3.69 | 0.00 | 7.46 | 1.83 | 0.58 | 3.17 | 4.06 | 8.32 | 13.21 | 0.00 | 38.66 | 0.68 | 0.33 | 0.00 | 0.00 | 0.19 | 0.11 | 0.00 | 0.38 | 0.22 | 0.07 | 0.15 | 0.29 | 0.51 | 0.69 | 0.00 | 0.42 | 0.02 | 0.932 | 0.034 | |
| 32 | Nam Long Shan Road | 1 | 260 | 3.00 | 5.17 | 0.00 | 3.31 | 4.05 | 0.00 | 8.18 | 2.01 | 0.63 | 1.74 | 4.45 | 9.12 | 14.48 | 0.00 | 42.38 | 0.74 | 0.33 | 0.00 | 0.00 | 0.21 | 0.12 | 0.00 | 0.42 | 0.25 | 0.08 | 0.08 | 0.32 | 0.56 | 0.75 | 0.00 | 0.46 | 0.02 | 0.993 | 0.036 | |
| 33 | Welfare Road | 1 | 45 | 2.80 | 9.96 | 0.00 | 9.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 | 0.31 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.266 | 0.010 | | | |
| 34 | Welfare Road | 1 | 20 | 3.78 | 11.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.150 | 0.004 | | |
| 35 | Shum Wan Road | 1 | 155 | 2.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 07-08)

| Hour: 07-08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|-----------|----------------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
| | | | | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 90 | 40 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.44 | 11.11 | 0.00 | 11.11 | 11.11 | 11.11 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | Tong Bin Lane | 1 | 90 | 40 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.44 | 11.11 | 0.00 | 11.11 | 11.11 | 11.11 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 205 | 75 | 30 | 0 | 20 | 10 | 10 | 30 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 36.59 | 14.63 | 0.00 | 9.76 | 4.88 | 4.88 | 14.63 | 0.00 | 0.00 | 0.00 | 4.88 | 4.88 | 4.88 | 0.00 | 0.00 | 0.00 | | |
| 4 | Yip Kan St | 1 | 265 | 100 | 35 | 0 | 25 | 20 | 10 | 35 | 0 | 10 | 0 | 10 | 10 | 10 | 0 | 37.74 | 13.21 | 0.00 | 9.43 | 7.55 | 3.77 | 13.21 | 0.00 | 3.77 | 0.00 | 3.77 | 3.77 | 3.77 | 0.00 | 0.00 | 0.00 | | |
| 5 | Wong Chuk Hang Road | 2 | 1870 | 835 | 335 | 0 | 145 | 80 | 10 | 30 | 100 | 50 | 40 | 20 | 10 | 10 | 145 | 50 | 44.65 | 17.91 | 0.00 | 7.75 | 4.28 | 0.53 | 1.60 | 5.35 | 2.67 | 2.14 | 1.07 | 0.53 | 0.53 | 0.53 | 7.75 | 2.67 | |
| 6 | Wong Chuk Hang Road | 2 | 2100 | 945 | 375 | 0 | 165 | 95 | 10 | 35 | 110 | 50 | 40 | 20 | 10 | 10 | 165 | 60 | 45.00 | 17.86 | 0.00 | 7.86 | 4.52 | 0.48 | 1.67 | 5.24 | 2.38 | 1.90 | 0.95 | 0.48 | 0.48 | 0.48 | 7.86 | 2.86 | |
| 7 | Wong Chuk Hang Road | 2 | 930 | 320 | 130 | 0 | 50 | 30 | 0 | 10 | 110 | 20 | 20 | 20 | 10 | 10 | 170 | 20 | 34.41 | 13.98 | 0.00 | 5.38 | 3.23 | 0.00 | 1.08 | 11.83 | 2.15 | 2.15 | 2.15 | 1.08 | 1.08 | 1.08 | 18.28 | 2.15 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1215 | 595 | 235 | 0 | 105 | 60 | 10 | 20 | 20 | 30 | 30 | 10 | 10 | 10 | 40 | 40 | 48.97 | 19.34 | 0.00 | 8.64 | 4.94 | 0.82 | 1.65 | 1.65 | 2.47 | 2.47 | 0.82 | 0.82 | 0.82 | 0.00 | 3.29 | 3.29 | |
| 9 | Wong Chuk Hang Road | 2 | 1315 | 735 | 205 | 0 | 40 | 20 | 10 | 30 | 30 | 10 | 10 | 10 | 10 | 20 | 165 | 10 | 55.89 | 15.59 | 0.00 | 3.04 | 1.52 | 0.76 | 2.28 | 2.28 | 0.76 | 0.76 | 0.76 | 0.76 | 1.52 | 12.55 | 0.76 | | |
| 10 | Wong Chuk Hang Road | 2 | 1015 | 555 | 155 | 0 | 30 | 20 | 10 | 20 | 30 | 10 | 0 | 10 | 10 | 10 | 125 | 10 | 54.68 | 15.27 | 0.00 | 2.96 | 1.97 | 0.99 | 1.97 | 2.96 | 0.99 | 0.00 | 0.99 | 0.99 | 0.99 | 1.97 | 12.32 | 0.99 | |
| 11 | Wong Chuk Hang Road | 2 | 805 | 460 | 130 | 0 | 20 | 10 | 10 | 20 | 20 | 0 | 0 | 10 | 0 | 20 | 95 | 10 | 57.14 | 16.15 | 0.00 | 2.48 | 1.24 | 1.24 | 2.48 | 2.48 | 0.00 | 0.00 | 1.24 | 0.00 | 0.00 | 2.48 | 11.80 | 1.24 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1490 | 740 | 285 | 0 | 125 | 70 | 10 | 30 | 30 | 40 | 30 | 10 | 10 | 10 | 50 | 50 | 49.66 | 19.13 | 0.00 | 8.39 | 4.70 | 0.67 | 2.01 | 2.01 | 2.68 | 2.01 | 0.67 | 0.67 | 0.67 | 0.00 | 3.36 | 3.36 | |
| 13 | Wong Chuk Hang Road | 2 | 795 | 55 | 100 | 0 | 20 | 10 | 0 | 0 | 200 | 20 | 10 | 10 | 10 | 10 | 330 | 0 | 6.92 | 12.58 | 0.00 | 2.52 | 1.26 | 0.00 | 0.00 | 25.16 | 2.52 | 1.26 | 1.26 | 1.26 | 1.26 | 2.52 | 41.51 | 0.00 | |
| 14 | Wong Chuk Hang Road | 2 | 395 | 135 | 60 | 0 | 20 | 10 | 0 | 0 | 50 | 10 | 10 | 10 | 0 | 10 | 70 | 10 | 34.18 | 15.19 | 0.00 | 5.06 | 2.53 | 0.00 | 0.00 | 12.66 | 2.53 | 2.53 | 2.53 | 0.00 | 0.00 | 2.53 | 17.72 | 2.53 | |
| 15 | Wong Chuk Hang Road | 2 | 1895 | 850 | 335 | 0 | 145 | 85 | 10 | 30 | 100 | 50 | 40 | 20 | 10 | 10 | 150 | 50 | 44.85 | 17.68 | 0.00 | 7.65 | 4.49 | 0.53 | 1.58 | 5.28 | 2.64 | 2.11 | 1.06 | 0.53 | 0.53 | 0.53 | 7.92 | 2.64 | |
| 16 | Nam Long Shan Road | 1 | 1170 | 570 | 185 | 0 | 35 | 20 | 10 | 20 | 70 | 30 | 30 | 20 | 10 | 10 | 120 | 20 | 48.72 | 15.81 | 0.00 | 2.99 | 1.71 | 0.85 | 1.71 | 5.98 | 2.56 | 2.56 | 1.71 | 0.85 | 0.85 | 1.71 | 10.26 | 1.71 | |
| 17 | Heung Yip Road | 1 | 590 | 340 | 45 | 0 | 50 | 30 | 0 | 10 | 0 | 35 | 25 | 10 | 10 | 10 | 0 | 25 | 57.63 | 7.63 | 0.00 | 8.47 | 5.08 | 0.00 | 1.69 | 0.00 | 5.93 | 4.24 | 1.69 | 1.69 | 1.69 | 0.00 | 0.00 | 4.24 | |
| 18 | Heung Yip Road | 1 | 735 | 425 | 55 | 0 | 60 | 40 | 10 | 10 | 0 | 35 | 35 | 20 | 10 | 10 | 0 | 25 | 57.82 | 7.48 | 0.00 | 8.16 | 5.44 | 1.36 | 1.36 | 0.00 | 4.76 | 4.76 | 2.72 | 1.36 | 1.36 | 0.00 | 0.00 | 3.40 | |
| 19 | Heung Yip Road | 1 | 960 | 550 | 75 | 0 | 80 | 50 | 10 | 20 | 0 | 55 | 45 | 20 | 10 | 10 | 0 | 35 | 57.29 | 7.81 | 0.00 | 8.33 | 5.21 | 1.04 | 2.08 | 0.00 | 5.73 | 4.69 | 2.08 | 1.04 | 1.04 | 0.00 | 0.00 | 3.65 | |
| 20 | Yip Fat St | 1 | 410 | 230 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 56.10 | 7.32 | 0.00 | 7.32 | 4.88 | 0.00 | 2.44 | 0.00 | 4.88 | 4.88 | 2.44 | 2.44 | 2.44 | 0.00 | 0.00 | 4.88 | |
| 21 | Heung Yip Road | 1 | 555 | 320 | 45 | 0 | 45 | 30 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 10 | 0 | 25 | 57.66 | 8.11 | 0.00 | 8.11 | 5.41 | 0.00 | 1.80 | 0.00 | 4.50 | 4.50 | 1.80 | 1.80 | 1.80 | 0.00 | 0.00 | 4.50 | |
| 22 | Yip Fat St | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 330 | 180 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 0 | 10 | 54.55 | 9.09 | 0.00 | 9.09 | 6.06 | 0.00 | 3.03 | 0.00 | 6.06 | 6.06 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | |
| 24 | Heung Yip Road | 1 | 545 | 320 | 35 | 0 | 45 | 30 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 10 | 0 | 25 | 58.72 | 6.42 | 0.00 | 8.26 | 5.50 | 0.00 | 1.83 | 0.00 | 4.59 | 4.59 | 1.83 | 1.83 | 1.83 | 0.00 | 0.00 | 4.59 | |
| 25 | Heung Yip Road | 1 | 550 | 345 | 65 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 10 | 20 | 62.73 | 11.82 | 0.00 | 5.45 | 3.64 | 0.00 | 1.82 | 0.00 | 3.64 | 3.64 | 1.82 | 0.00 | 0.00 | 0.00 | 1.82 | 3.64 | |
| 26 | Heung Yip Road | 1 | 800 | 490 | 90 | 0 | 40 | 30 | 10 | 10 | 0 | 35 | 30 | 10 | 10 | 10 | 0 | 10 | 61.25 | 11.25 | 0.00 | 5.00 | 3.75 | 1.25 | 1.25 | 0.00 | 4.38 | 3.75 | 1.25 | 1.25 | 1.25 | 0.00 | 1.25 | 3.13 | |
| 27 | Heung Yip Road | 1 | 215 | 135 | 20 | 0 | 20 | 10 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 62.79 | 9.30 | 0.00 | 9.30 | 4.65 | 0.00 | 0.00 | 0.00 | 4.65 | 4.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | |
| 28 | Heung Yip Road | 1 | 385 | 210 | 25 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 54.55 | 6.49 | 0.00 | 7.79 | 5.19 | 0.00 | 2.60 | 0.00 | 5.19 | 5.19 | 2.60 | 2.60 | 2.60 | 0.00 | 0.00 | 5.19 | |
| 29 | Heung Yip Road | 1 | 395 | 215 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 54.43 | 7.59 | 0.00 | 7.59 | 5.06 | 0.00 | 2.53 | 0.00 | 5.06 | 5.06 | 2.53 | 2.53 | 2.53 | 0.00 | 0.00 | 5.06 | |
| 30 | Nam Long Shan Road | 1 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63.64 | 0.00 | |
| 31 | Nam Long Shan Road | 1 | 845 | 525 | 100 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 10 | 40 | 20 | 62.13 | 11.83 | 0.00 | 2.37 | 1.18 | 0.00 | 1.18 | 2.37 | 3.55 | 3.55 | 1.18 | 1.18 | 1.18 | 1.18 | 4.73 | 2.37 | |
| 32 | Nam Long Shan Road | 1 | 785 | 485 | 90 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 20 | 10 | 10 | 10 | 40 | 20 | 61.78 | 11.46 | 0.00 | 2.55 | 1.27 | 0.00 | 1.27 | 2.55 | 3.82 | 2.55 | 1.27 | 1.27 | 1.27 | 1.27 | 5.10 | 2.55 | |
| 33 | Welfare Road | 1 | 115 | 70 | 25 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 60.87 | 21.74 | 0.00 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.70 | | |
| 34 | Welfare Road | 1 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 470 | 245 | 75 | 0 | 10 | 5 | 0 | 0 | 25 | 25 | 20 | 10 | 5 | 5 | 10 | 15 | 52.13 | 15.96 | 0.00 | 2.13 | 1.06 | 0.00 | 0.00 | 5.32 | 5.32 | 4.26 | 2.13 | 1.06 | 1.06 | 2.13 | 4.26 | 3.19 | |
| 36 | Shum Wan Road | 1 | 485 | 250 | 80 | 0 | 10 | 5 | 0 | 0 | 25 | 25 | 20 | 10 | 5 | 5 | 15 | 15 | 51.55 | 16.49 | 0.00 | 2.06 | 1.03 | 0.00 | 0.00 | 5.15 | 5.15 | 4.12 | 2.06 | 1.03 | 1.03 | 3.09 | 4.12 | 3.09 | |
| 37 | Shum Wan Pier Drive | 1 | 80 | 45 | 15 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 56.25 | 18.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | 6.25 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 860 | 535 | 100 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 40 | 20 | 62.21 | 11.63 | 0.00 | 2.33 | 1.16 | 0.00 | 1.16 | 2.33 | 3.49 | 3.49 | 1.16 | 1.16 | 1.16 | 1.74 | 4.65 | 2.33 | |
| 39 | Nam Long Shan Road | 1 | 190 | 125 | 25 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 65.79 | 13.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 5.26 | |
| 40 | Nam Long Shan Road | 1 | 260 | 165 | 35 | 0 | 10 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 63.46 | 13.46 | 0.00 | 3.85 | 0.00 | 0.00 | 0.00 | 3.85 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 3.85 | |
| 41 | Police School Road | 1 | 845 | 525 | 100 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 25 | 10 | 10 | 15 | 40 | 20 | 62.13 | 11.83 | 0.00 | 2.37 | 1.18 | 0.00 | 1.18 | 2.37 | 3.55 | 2.96 | 1.18 | 1.18 | 1.18 | 1.78 | 4.73 | 2.37 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 07-08)

Emission Factor Calculations (Hour: 00-01)

| Hour: 07-08 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|--------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 90 | 2.44 | 5.29 | 0.00 | 10.47 | 27.13 | 32.80 | 59.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.70 | 0.88 | 2.18 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.377 | 0.078 |
| 2 | Tong Bin Lane | 1 | 90 | 2.44 | 5.29 | 0.00 | 10.47 | 27.13 | 32.80 | 59.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.70 | 0.88 | 2.18 | 3.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.377 | 0.078 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 205 | 2.01 | 6.97 | 0.00 | 9.20 | 11.91 | 14.40 | 78.40 | 0.00 | 0.00 | 0.00 | 12.88 | 26.16 | 41.52 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.62 | 0.39 | 0.96 | 4.84 | 0.00 | 0.00 | 0.00 | 0.91 | 1.62 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | 2.034 | 0.119 |
| 4 | Yip Kan St | 1 | 265 | 2.07 | 6.29 | 0.00 | 8.89 | 18.43 | 11.14 | 70.76 | 0.00 | 0.66 | 0.00 | 9.96 | 20.23 | 32.12 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.60 | 0.60 | 0.74 | 4.37 | 0.00 | 0.09 | 0.00 | 0.71 | 1.25 | 1.78 | 0.00 | 0.00 | 0.00 | 0.00 | 1.806 | 0.104 |
| 5 | Wong Chuk Hang Road | 2 | 1870 | 2.01 | 7.16 | 0.00 | 6.02 | 7.61 | 1.23 | 6.37 | 5.36 | 0.39 | 1.78 | 1.98 | 2.02 | 3.20 | 3.07 | 46.31 | 0.94 | 0.18 | 0.00 | 0.00 | 0.35 | 0.20 | 0.06 | 0.29 | 0.40 | 0.04 | 0.08 | 0.14 | 0.12 | 0.14 | 0.02 | 0.44 | 0.02 | 0.954 | 0.025 | |
| 6 | Wong Chuk Hang Road | 2 | 2100 | 2.03 | 7.14 | 0.00 | 6.10 | 8.05 | 1.09 | 6.62 | 5.25 | 0.35 | 1.58 | 1.76 | 1.79 | 2.85 | 2.74 | 46.92 | 1.01 | 0.18 | 0.00 | 0.00 | 0.36 | 0.21 | 0.05 | 0.30 | 0.39 | 0.03 | 0.07 | 0.12 | 0.11 | 0.13 | 0.02 | 0.45 | 0.02 | 0.953 | 0.025 | |
| 7 | Wong Chuk Hang Road | 2 | 930 | 1.55 | 5.59 | 0.00 | 4.17 | 5.74 | 0.00 | 4.27 | 11.85 | 0.31 | 1.79 | 3.97 | 4.05 | 6.43 | 6.18 | 109.17 | 0.76 | 0.14 | 0.00 | 0.00 | 0.25 | 0.15 | 0.00 | 0.20 | 0.89 | 0.03 | 0.08 | 0.27 | 0.25 | 0.29 | 0.05 | 1.05 | 0.01 | 1.658 | 0.036 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1215 | 1.77 | 6.14 | 0.00 | 6.28 | 6.90 | 1.53 | 5.40 | 1.79 | 0.29 | 1.90 | 1.16 | 2.37 | 3.77 | 0.00 | 16.46 | 1.15 | 0.09 | 0.00 | 0.00 | 0.22 | 0.17 | 0.05 | 0.19 | 0.09 | 0.02 | 0.09 | 0.10 | 0.19 | 0.18 | 0.00 | 0.17 | 0.02 | 0.569 | 0.016 | |
| 9 | Wong Chuk Hang Road | 2 | 1315 | 2.52 | 6.23 | 0.00 | 2.36 | 2.70 | 1.75 | 9.06 | 2.29 | 0.11 | 0.63 | 1.41 | 2.87 | 4.55 | 8.74 | 74.94 | 0.27 | 0.23 | 0.00 | 0.00 | 0.14 | 0.07 | 0.09 | 0.41 | 0.17 | 0.01 | 0.03 | 0.10 | 0.17 | 0.20 | 0.06 | 0.72 | 0.00 | 1.204 | 0.024 | |
| 10 | Wong Chuk Hang Road | 2 | 1015 | 2.46 | 6.11 | 0.00 | 2.29 | 3.50 | 2.26 | 7.83 | 2.96 | 0.14 | 0.00 | 1.82 | 3.71 | 5.89 | 11.33 | 73.55 | 0.35 | 0.22 | 0.00 | 0.00 | 0.14 | 0.09 | 0.11 | 0.36 | 0.22 | 0.01 | 0.00 | 0.12 | 0.23 | 0.27 | 0.08 | 0.71 | 0.01 | 1.242 | 0.026 | |
| 11 | Wong Chuk Hang Road | 2 | 805 | 2.57 | 6.46 | 0.00 | 1.93 | 2.21 | 2.85 | 9.87 | 2.49 | 0.00 | 0.00 | 2.30 | 0.00 | 0.00 | 14.28 | 70.48 | 0.44 | 0.23 | 0.00 | 0.00 | 0.11 | 0.06 | 0.14 | 0.45 | 0.19 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.11 | 0.68 | 0.01 | 1.159 | 0.021 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1490 | 1.79 | 6.07 | 0.00 | 6.10 | 6.57 | 1.25 | 6.61 | 2.19 | 0.32 | 1.55 | 0.95 | 1.93 | 3.07 | 0.00 | 16.78 | 1.17 | 0.10 | 0.00 | 0.00 | 0.21 | 0.16 | 0.04 | 0.23 | 0.11 | 0.02 | 0.07 | 0.08 | 0.15 | 0.14 | 0.00 | 0.17 | 0.02 | 0.563 | 0.015 | |
| 13 | Wong Chuk Hang Road | 2 | 795 | 0.31 | 5.03 | 0.00 | 1.95 | 2.24 | 0.00 | 0.00 | 25.21 | 0.37 | 1.05 | 2.32 | 4.74 | 7.52 | 14.46 | 247.91 | 0.00 | 0.03 | 0.00 | 0.00 | 0.12 | 0.06 | 0.00 | 0.00 | 1.89 | 0.03 | 0.05 | 0.16 | 0.29 | 0.34 | 0.11 | 2.38 | 0.00 | 3.131 | 0.054 | |
| 14 | Wong Chuk Hang Road | 2 | 395 | 1.54 | 6.07 | 0.00 | 3.93 | 4.50 | 0.00 | 12.69 | 0.37 | 2.11 | 4.68 | 0.00 | 0.00 | 14.55 | 105.84 | 0.89 | 0.14 | 0.00 | 0.00 | 0.23 | 0.12 | 0.00 | 0.00 | 0.95 | 0.04 | 0.09 | 0.32 | 0.00 | 0.00 | 0.11 | 1.02 | 0.02 | 1.572 | 0.030 | | |
| 15 | Wong Chuk Hang Road | 2 | 1895 | 2.02 | 7.07 | 0.00 | 5.94 | 7.98 | 1.21 | 6.29 | 5.29 | 0.38 | 1.76 | 1.95 | 1.99 | 3.16 | 3.03 | 47.27 | 0.93 | 0.18 | 0.00 | 0.00 | 0.35 | 0.21 | 0.06 | 0.29 | 0.40 | 0.04 | 0.08 | 0.13 | 0.12 | 0.14 | 0.02 | 0.45 | 0.02 | 0.963 | 0.025 | |
| 16 | Nam Long Shan Road | 1 | 1170 | 2.67 | 7.53 | 0.00 | 2.82 | 4.17 | 2.52 | 9.16 | 6.35 | 0.45 | 2.57 | 4.51 | 4.58 | 7.27 | 13.98 | 85.03 | 0.68 | 0.35 | 0.00 | 0.00 | 0.19 | 0.14 | 0.17 | 0.57 | 0.85 | 0.06 | 0.13 | 0.32 | 0.28 | 0.40 | 0.11 | 0.95 | 0.03 | 1.543 | 0.045 | |
| 17 | Heung Yip Road | 1 | 590 | 3.16 | 3.63 | 0.00 | 7.99 | 12.41 | 0.00 | 9.08 | 0.00 | 1.04 | 4.25 | 4.47 | 9.09 | 14.43 | 0.00 | 0.00 | 1.70 | 0.41 | 0.00 | 0.00 | 0.53 | 0.40 | 0.00 | 0.56 | 0.00 | 0.13 | 0.22 | 0.32 | 0.56 | 0.80 | 0.00 | 0.06 | 0.713 | 0.040 | | |
| 18 | Heung Yip Road | 1 | 735 | 3.17 | 3.57 | 0.00 | 7.70 | 13.29 | 4.02 | 7.29 | 0.00 | 0.83 | 4.78 | 7.18 | 7.30 | 11.58 | 0.00 | 0.00 | 1.36 | 0.41 | 0.00 | 0.00 | 0.51 | 0.43 | 0.27 | 0.45 | 0.00 | 0.11 | 0.24 | 0.51 | 0.45 | 0.64 | 0.00 | 0.00 | 0.05 | 0.721 | 0.041 | |
| 19 | Heung Yip Road | 1 | 960 | 3.15 | 3.72 | 0.00 | 7.86 | 12.72 | 3.08 | 11.16 | 0.00 | 1.00 | 4.70 | 5.50 | 5.59 | 8.87 | 0.00 | 0.00 | 1.46 | 0.41 | 0.00 | 0.00 | 0.53 | 0.41 | 0.20 | 0.69 | 0.00 | 0.13 | 0.24 | 0.39 | 0.35 | 0.49 | 0.00 | 0.00 | 0.05 | 0.688 | 0.039 | |
| 20 | Yip Fat St | 1 | 410 | 3.08 | 3.49 | 0.00 | 6.90 | 11.91 | 0.00 | 13.07 | 0.00 | 0.85 | 4.89 | 6.44 | 13.08 | 20.76 | 0.00 | 0.00 | 1.95 | 0.40 | 0.00 | 0.00 | 0.46 | 0.39 | 0.00 | 0.81 | 0.00 | 0.11 | 0.25 | 0.46 | 0.81 | 1.15 | 0.00 | 0.00 | 0.07 | 0.864 | 0.049 | |
| 21 | Heung Yip Road | 1 | 555 | 3.17 | 3.86 | 0.00 | 7.64 | 13.20 | 0.00 | 9.65 | 0.00 | 0.79 | 4.52 | 4.76 | 9.66 | 15.34 | 0.00 | 0.00 | 1.80 | 0.41 | 0.00 | 0.00 | 0.51 | 0.43 | 0.00 | 0.60 | 0.00 | 0.10 | 0.23 | 0.34 | 0.60 | 0.85 | 0.00 | 0.00 | 0.07 | 0.744 | 0.041 | |
| 22 | Yip Fat St | 1 | 10 | 5.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.055 | 0.007 | |
| 23 | Yip Fat St | 1 | 330 | 2.99 | 4.33 | 0.00 | 8.57 | 14.80 | 0.00 | 16.24 | 0.00 | 1.06 | 6.08 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 0.39 | 0.00 | 0.00 | 0.57 | 0.48 | 0.00 | 1.00 | 0.00 | 0.14 | 0.31 | 0.57 | 0.00 | 0.00 | 0.00 | 0.04 | 0.633 | 0.035 | | |
| 24 | Heung Yip Road | 1 | 545 | 3.22 | 3.06 | 0.00 | 7.78 | 13.44 | 0.00 | 9.83 | 0.00 | 0.80 | 4.60 | 4.84 | 9.84 | 15.62 | 0.00 | 0.00 | 1.84 | 0.42 | 0.00 | 0.00 | 0.52 | 0.44 | 0.00 | 0.61 | 0.00 | 0.10 | 0.23 | 0.34 | 0.61 | 0.87 | 0.00 | 0.00 | 0.07 | 0.749 | 0.042 | |
| 25 | Heung Yip Road | 1 | 550 | 3.44 | 5.63 | 0.00 | 5.14 | 8.88 | 0.00 | 9.74 | 0.00 | 0.64 | 3.65 | 4.80 | 0.00 | 0.00 | 0.00 | 15.07 | 1.46 | 0.45 | 0.00 | 0.00 | 0.34 | 0.29 | 0.00 | 0.60 | 0.00 | 0.08 | 0.19 | 0.34 | 0.00 | 0.00 | 0.00 | 0.17 | 0.05 | 0.584 | 0.025 | |
| 26 | Heung Yip Road | 1 | 800 | 3.36 | 5.36 | 0.00 | 4.71 | 9.16 | 3.69 | 6.70 | 0.00 | 0.77 | 3.76 | 3.30 | 6.70 | 10.64 | 0.00 | 10.36 | 1.25 | 0.44 | 0.00 | 0.00 | 0.32 | 0.30 | 0.25 | 0.41 | 0.00 | 0.10 | 0.19 | 0.23 | 0.42 | 0.59 | 0.00 | 0.12 | 0.05 | 0.698 | 0.034 | |
| 27 | Heung Yip Road | 1 | 215 | 3.45 | 4.43 | 0.00 | 8.77 | 11.36 | 0.00 | 0.00 | 0.00 | 0.82 | 4.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 0.45 | 0.00 | 0.00 | 0.59 | 0.37 | 0.00 | 0.00 | 0.00 | 0.10 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.353 | 0.018 | |
| 28 | Heung Yip Road | 1 | 385 | 2.99 | 3.09 | 0.00 | 7.35 | 12.68 | 0.00 | 13.92 | 0.00 | 0.91 | 5.21 | 6.86 | 13.93 | 22.11 | 0.00 | 0.00 | 2.08 | 0.39 | 0.00 | 0.00 | 0.49 | 0.41 | 0.00 | 0.86 | 0.00 | 0.12 | 0.27 | 0.49 | 0.86 | 1.23 | 0.00 | 0.00 | 0.08 | 0.911 | 0.052 | |
| 29 | Heung Yip Road | 1 | 395 | 2.99 | 3.62 | 0.00 | 7.16 | 12.36 | 0.00 | 13.56 | 0.00 | 0.89 | 5.08 | 6.68 | 13.57 | 21.55 | 0.00 | 0.00 | 2.03 | 0.39 | 0.00 | 0.00 | 0.48 | 0.40 | 0.00 | 0.84 | 0.00 | 0.11 | 0.26 | 0.47 | 0.84 | 1.19 | 0.00 | 0.00 | 0.07 | 0.895 | 0.051 | |
| 30 | Nam Long Shan Road | 1 | 55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 527.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 | 0.00 | 0.00 | 5.662 | 0.110 | | |
| 31 | Nam Long Shan Road | 1 | 845 | 3.41 | 5.64 | 0.00 | 2.23 | 2.89 | 0.00 | 6.34 | 2.51 | 0.62 | 3.56 | 3.12 | 6.35 | 10.07 | 9.68 | 39.24 | 0.95 | 0.44 | 0.00 | 0.00 | 0.15 | 0.09 | 0.00 | 0.39 | 0.34 | 0.08 | 0.18 | 0.22 | 0.39 | 0.56 | 0.07 | 0.44 | 0.03 | 0.966 | 0.034 | |
| 32 | Nam Long Shan Road | 1 | 785 | 3.39 | 5.46 | 0.00 | 2.40 | 3.11 | 0.00 | 6.83 | 2.71 | 0.67 | 2.56 | 3.36 | 6.83 | 10.84 | 10.42 | 42.24 | 1.02 | 0.44 | 0.00 | 0.00 | 0.16 | 0.10 | 0.00 | 0.42 | 0.36 | 0.09 | 0.13 | 0.24 | 0.42 | 0.60 | 0.08 | 0.47 | 0.04 | 1.018 | 0.036 | |
| 33 | Welfare Road | 1 | 115 | 3.34 | 10.36 | 0.00 | 8.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 0.43 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.254 | 0.011 | | | |
| 34 | Welfare Road | 1 | 50 | 4.39 | 9.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.139 | 0.006 | | |
| 35 | Shum Wan Road | 1 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 08-09)

Traffic (Hour: 08-09)

| Hour: 08-09 | | Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | |
|-------------|---------------------------------|----------|------|-----------|----------------|---------------------|------|------|------|------|-----|-----|-----|------|------|------|--------|-------|-------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PC | Taxi | | | | | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD |
| 1 | Yip Hing St | 1 | 90 | 40 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 44.44 | 11.11 | 0.00 | 11.11 | 11.11 | 11.11 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 90 | 40 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 44.44 | 11.11 | 0.00 | 11.11 | 11.11 | 11.11 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 210 | 80 | 30 | 0 | 20 | 10 | 10 | 30 | 0 | 0 | 0 | 10 | 10 | 10 | 38.10 | 14.29 | 0.00 | 9.52 | 4.76 | 4.76 | 14.29 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 290 | 110 | 40 | 0 | 30 | 20 | 10 | 40 | 0 | 10 | 0 | 10 | 10 | 10 | 37.93 | 13.79 | 0.00 | 10.34 | 6.90 | 3.45 | 13.79 | 0.00 | 3.45 | 0.00 | 3.45 | 3.45 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 1890 | 850 | 340 | 0 | 140 | 80 | 10 | 30 | 100 | 50 | 40 | 20 | 10 | 10 | 44.97 | 17.99 | 0.00 | 7.41 | 4.23 | 0.53 | 1.59 | 5.29 | 2.65 | 2.12 | 1.06 | 0.53 | 0.53 | 0.53 | 0.53 | 7.94 | 2.65 | |
| 6 | Wong Chuk Hang Road | 2 | 2110 | 960 | 380 | 0 | 160 | 90 | 10 | 30 | 110 | 50 | 40 | 20 | 10 | 10 | 45.50 | 18.01 | 0.00 | 7.58 | 4.27 | 0.47 | 1.42 | 5.21 | 2.37 | 1.90 | 0.95 | 0.47 | 0.47 | 0.47 | 8.06 | 2.84 | | |
| 7 | Wong Chuk Hang Road | 2 | 940 | 330 | 130 | 0 | 50 | 30 | 0 | 10 | 110 | 20 | 20 | 20 | 10 | 10 | 35.11 | 13.83 | 0.00 | 5.32 | 3.19 | 0.00 | 1.06 | 11.70 | 2.13 | 2.13 | 2.13 | 1.06 | 1.06 | 1.06 | 18.09 | 2.13 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1220 | 600 | 240 | 0 | 100 | 60 | 10 | 20 | 20 | 30 | 30 | 10 | 10 | 40 | 49.18 | 19.67 | 0.00 | 8.20 | 4.92 | 0.82 | 1.64 | 1.64 | 2.46 | 2.46 | 0.82 | 0.82 | 0.82 | 0.00 | 3.28 | 3.28 | | |
| 9 | Wong Chuk Hang Road | 2 | 1340 | 750 | 210 | 0 | 40 | 20 | 10 | 30 | 30 | 10 | 10 | 10 | 20 | 170 | 55.97 | 15.67 | 0.00 | 2.99 | 1.49 | 0.75 | 2.24 | 2.24 | 0.75 | 0.75 | 0.75 | 1.49 | 12.69 | 0.75 | 0.75 | 0.75 | | |
| 10 | Wong Chuk Hang Road | 2 | 1040 | 570 | 160 | 0 | 30 | 20 | 10 | 20 | 30 | 10 | 0 | 10 | 10 | 10 | 54.81 | 15.38 | 0.00 | 2.88 | 1.92 | 0.96 | 1.92 | 2.88 | 0.96 | 0.00 | 0.96 | 0.96 | 0.96 | 1.92 | 12.50 | 0.96 | | |
| 11 | Wong Chuk Hang Road | 2 | 820 | 470 | 130 | 0 | 20 | 10 | 10 | 20 | 20 | 0 | 0 | 10 | 0 | 20 | 57.32 | 15.85 | 0.00 | 2.44 | 1.22 | 1.22 | 2.44 | 2.44 | 0.00 | 0.00 | 1.22 | 0.00 | 0.00 | 2.44 | 12.20 | 1.22 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1500 | 750 | 290 | 0 | 120 | 70 | 10 | 30 | 30 | 40 | 30 | 10 | 10 | 50 | 50.00 | 19.33 | 0.00 | 8.00 | 4.67 | 0.67 | 2.00 | 2.00 | 2.67 | 2.00 | 0.67 | 0.67 | 0.67 | 0.00 | 3.33 | 3.33 | | |
| 13 | Wong Chuk Hang Road | 2 | 800 | 50 | 100 | 0 | 20 | 10 | 0 | 0 | 210 | 20 | 10 | 10 | 10 | 20 | 6.25 | 12.50 | 0.00 | 2.50 | 1.25 | 0.00 | 0.00 | 26.25 | 2.50 | 1.25 | 1.25 | 1.25 | 1.25 | 2.50 | 41.25 | 0.00 | | |
| 14 | Wong Chuk Hang Road | 2 | 400 | 140 | 60 | 0 | 20 | 10 | 0 | 0 | 50 | 10 | 10 | 10 | 0 | 10 | 35.00 | 15.00 | 0.00 | 5.00 | 2.50 | 0.00 | 0.00 | 12.50 | 2.50 | 2.50 | 2.50 | 0.00 | 0.00 | 2.50 | 17.50 | 2.50 | | |
| 15 | Wong Chuk Hang Road | 2 | 1900 | 860 | 340 | 0 | 140 | 80 | 10 | 30 | 100 | 50 | 40 | 20 | 10 | 10 | 45.26 | 17.89 | 0.00 | 7.37 | 4.21 | 0.53 | 1.58 | 5.26 | 2.63 | 2.11 | 1.05 | 0.53 | 0.53 | 0.53 | 7.89 | 2.63 | | |
| 16 | Nam Long Shan Road | 1 | 1180 | 580 | 190 | 0 | 30 | 20 | 10 | 20 | 70 | 30 | 30 | 20 | 10 | 10 | 49.15 | 16.10 | 0.00 | 2.54 | 1.69 | 0.85 | 1.69 | 5.93 | 2.54 | 2.54 | 1.69 | 0.85 | 0.85 | 1.69 | 10.17 | 1.69 | | |
| 17 | Heung Yip Road | 1 | 650 | 380 | 50 | 0 | 50 | 30 | 0 | 10 | 0 | 40 | 30 | 10 | 10 | 0 | 30 | 58.46 | 7.69 | 0.00 | 7.69 | 4.62 | 0.00 | 1.54 | 0.00 | 6.15 | 4.62 | 1.54 | 1.54 | 0.00 | 0.00 | 4.62 | | |
| 18 | Heung Yip Road | 1 | 800 | 470 | 60 | 0 | 60 | 40 | 10 | 10 | 0 | 40 | 40 | 20 | 10 | 10 | 0 | 30 | 58.75 | 7.50 | 0.00 | 7.50 | 5.00 | 1.25 | 1.25 | 0.00 | 5.00 | 5.00 | 2.50 | 1.25 | 1.25 | 0.00 | 3.75 | |
| 19 | Heung Yip Road | 1 | 1040 | 610 | 80 | 0 | 80 | 50 | 10 | 20 | 0 | 60 | 50 | 20 | 10 | 10 | 0 | 40 | 58.65 | 7.69 | 0.00 | 7.69 | 4.81 | 0.96 | 1.92 | 0.00 | 5.77 | 4.81 | 1.92 | 0.96 | 0.96 | 0.00 | 3.85 | |
| 20 | Yip Fat St | 1 | 430 | 250 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 0 | 20 | 58.14 | 6.98 | 0.00 | 6.98 | 4.65 | 0.00 | 2.33 | 0.00 | 4.65 | 4.65 | 2.33 | 2.33 | 2.33 | 0.00 | 4.65 | | |
| 21 | Heung Yip Road | 1 | 620 | 360 | 50 | 0 | 50 | 30 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 0 | 30 | 58.06 | 8.06 | 0.00 | 8.06 | 4.84 | 0.00 | 1.61 | 0.00 | 4.84 | 4.84 | 1.61 | 1.61 | 1.61 | 0.00 | 4.84 | | |
| 22 | Yip Fat St | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 350 | 200 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 10 | 57.14 | 8.57 | 0.00 | 8.57 | 5.71 | 0.00 | 2.86 | 0.00 | 5.71 | 5.71 | 2.86 | 0.00 | 0.00 | 0.00 | 2.86 | | |
| 24 | Heung Yip Road | 1 | 610 | 360 | 40 | 0 | 50 | 30 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 0 | 30 | 59.02 | 6.56 | 0.00 | 8.20 | 4.92 | 0.00 | 1.64 | 0.00 | 4.92 | 4.92 | 1.64 | 1.64 | 0.00 | 0.00 | 4.92 | | |
| 25 | Heung Yip Road | 1 | 590 | 380 | 70 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 10 | 64.41 | 11.86 | 0.00 | 5.08 | 3.39 | 0.00 | 1.69 | 0.00 | 3.39 | 3.39 | 1.69 | 0.00 | 0.00 | 1.69 | 3.39 | | |
| 26 | Heung Yip Road | 1 | 880 | 550 | 100 | 0 | 40 | 30 | 10 | 10 | 0 | 40 | 30 | 10 | 10 | 0 | 10 | 62.50 | 11.36 | 0.00 | 4.55 | 3.41 | 1.14 | 1.14 | 0.00 | 4.55 | 3.41 | 1.14 | 1.14 | 1.14 | 0.00 | 3.41 | | |
| 27 | Heung Yip Road | 1 | 230 | 150 | 20 | 0 | 20 | 10 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 10 | 65.22 | 8.70 | 0.00 | 8.70 | 4.35 | 0.00 | 0.00 | 0.00 | 4.35 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | | |
| 28 | Heung Yip Road | 1 | 420 | 240 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 0 | 20 | 57.14 | 7.14 | 0.00 | 7.14 | 4.76 | 0.00 | 2.38 | 0.00 | 4.76 | 4.76 | 2.38 | 2.38 | 2.38 | 0.00 | 4.76 | | |
| 29 | Heung Yip Road | 1 | 420 | 240 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 0 | 20 | 57.14 | 7.14 | 0.00 | 7.14 | 4.76 | 0.00 | 2.38 | 0.00 | 4.76 | 4.76 | 2.38 | 2.38 | 2.38 | 0.00 | 4.76 | | |
| 30 | Nam Long Shan Road | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 40 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 920 | 590 | 110 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 10 | 40 | 20 | 64.13 | 11.96 | 0.00 | 2.17 | 1.09 | 0.00 | 1.09 | 2.17 | 3.26 | 3.26 | 1.09 | 1.09 | 1.09 | 4.35 | 2.17 | |
| 32 | Nam Long Shan Road | 1 | 850 | 540 | 100 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 20 | 10 | 10 | 10 | 40 | 20 | 63.53 | 11.76 | 0.00 | 2.35 | 1.18 | 0.00 | 1.18 | 2.35 | 3.53 | 2.35 | 1.18 | 1.18 | 1.18 | 4.71 | 2.35 | |
| 33 | Welfare Road | 1 | 130 | 80 | 30 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 61.54 | 23.08 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | | |
| 34 | Welfare Road | 1 | 50 | 40 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 490 | 255 | 80 | 0 | 10 | 5 | 0 | 0 | 30 | 25 | 20 | 10 | 5 | 5 | 15 | 52.04 | 16.33 | 0.00 | 2.04 | 1.02 | 0.00 | 0.00 | 6.12 | 5.10 | 4.08 | 2.04 | 1.02 | 1.02 | 2.04 | 4.08 | 3.06 | |
| 36 | Shum Wan Road | 1 | 540 | 285 | 90 | 0 | 10 | 5 | 0 | 0 | 30 | 25 | 20 | 10 | 5 | 5 | 15 | 52.78 | 16.67 | 0.00 | 1.85 | 0.93 | 0.00 | 0.00 | 5.56 | 4.63 | 3.70 | 1.85 | 0.93 | 0.93 | 2.78 | 4.63 | 2.78 | |
| 37 | Shum Wan Pier Drive | 1 | 90 | 50 | 15 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 55.56 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | 5.56 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 5.56 | |
| 38 | Nam Long Shan Road | 1 | 935 | 600 | 110 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 40 | 20 | 64.17 | 11.76 | 0.00 | 2.14 | 1.07 | 0.00 | 1.07 | 2.14 | 3.21 | 3.21 | 1.07 | 1.07 | 1.07 | 4.28 | 2.14 | |
| 39 | Nam Long Shan Road | 1 | 210 | 140 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 66.67 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | |
| 40 | Nam Long Shan Road | 1 | 290 | 190 | 40 | 0 | 10 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 65.52 | 13.79 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 3.45 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 3.45 | |
| 41 | Police School Road | 1 | 925 | 590 | 110 | 0 | 20 | 10 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 40 | 20 | 63.78 | 11.89 | 0.00 | 2.16 | 1.08 | 0.00 | 1.08 | 2.16 | 3.24 | 3.24 | 1.08 | 1.08 | 1.08 | 4.32 | 2.16 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 08-09)

Emission Factor Calculations (Hour: 00-01)

| Hour: 08-09 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 90 | 2.43 | 5.28 | 0.00 | 10.46 | 27.09 | 32.80 | 59.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.70 | 0.88 | 2.18 | 3.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.376 | 0.078 |
| 2 | Tong Bin Lane | 1 | 90 | 2.43 | 5.28 | 0.00 | 10.46 | 27.09 | 32.80 | 59.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.70 | 0.88 | 2.18 | 3.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.376 | 0.078 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 210 | 2.09 | 6.79 | 0.00 | 8.97 | 11.61 | 14.06 | 76.50 | 0.00 | 0.00 | 0.00 | 12.55 | 25.50 | 40.47 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.60 | 0.38 | 0.94 | 4.74 | 0.00 | 0.00 | 0.00 | 0.89 | 1.58 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.985 | 0.117 |
| 4 | Yip Kan St | 1 | 290 | 2.08 | 6.56 | 0.00 | 9.74 | 16.82 | 10.18 | 73.86 | 0.00 | 0.60 | 0.00 | 9.09 | 18.46 | 29.31 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.65 | 0.55 | 0.68 | 4.58 | 0.00 | 0.08 | 0.00 | 0.65 | 1.15 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 1.767 | 0.102 |
| 5 | Wong Chuk Hang Road | 2 | 1890 | 2.05 | 7.28 | 0.00 | 5.83 | 7.67 | 1.21 | 6.38 | 5.28 | 0.39 | 1.77 | 2.01 | 2.06 | 3.27 | 3.08 | 48.08 | 0.96 | 0.19 | 0.00 | 0.00 | 0.35 | 0.21 | 0.06 | 0.30 | 0.42 | 0.04 | 0.08 | 0.14 | 0.13 | 0.15 | 0.02 | 0.47 | 0.02 | 0.973 | 0.026 | |
| 6 | Wong Chuk Hang Road | 2 | 2110 | 2.08 | 7.28 | 0.00 | 5.97 | 7.73 | 1.09 | 5.71 | 5.20 | 0.35 | 1.59 | 1.80 | 1.85 | 2.93 | 2.75 | 48.81 | 1.04 | 0.19 | 0.00 | 0.00 | 0.36 | 0.21 | 0.05 | 0.27 | 0.41 | 0.03 | 0.07 | 0.12 | 0.11 | 0.14 | 0.02 | 0.48 | 0.03 | 0.962 | 0.025 | |
| 7 | Wong Chuk Hang Road | 2 | 940 | 1.60 | 5.59 | 0.00 | 4.19 | 5.78 | 0.00 | 4.27 | 11.68 | 0.31 | 1.78 | 4.04 | 4.14 | 6.58 | 6.18 | 109.57 | 0.78 | 0.15 | 0.00 | 0.00 | 0.25 | 0.16 | 0.00 | 0.20 | 0.92 | 0.03 | 0.08 | 0.28 | 0.25 | 0.30 | 0.05 | 1.07 | 0.02 | 1.665 | 0.038 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1220 | 1.77 | 6.23 | 0.00 | 5.95 | 6.86 | 1.52 | 5.37 | 1.78 | 0.29 | 1.89 | 1.15 | 2.36 | 3.75 | 0.00 | 16.37 | 1.13 | 0.09 | 0.00 | 0.00 | 0.21 | 0.17 | 0.05 | 0.18 | 0.09 | 0.02 | 0.09 | 0.10 | 0.19 | 0.18 | 0.00 | 0.17 | 0.02 | 0.564 | 0.016 | |
| 9 | Wong Chuk Hang Road | 2 | 1340 | 2.55 | 6.34 | 0.00 | 2.35 | 2.70 | 1.71 | 8.99 | 2.23 | 0.11 | 0.63 | 1.42 | 2.91 | 4.61 | 8.67 | 76.86 | 0.27 | 0.24 | 0.00 | 0.00 | 0.14 | 0.07 | 0.09 | 0.42 | 0.18 | 0.01 | 0.03 | 0.10 | 0.18 | 0.21 | 0.06 | 0.75 | 0.01 | 1.224 | 0.025 | |
| 10 | Wong Chuk Hang Road | 2 | 1040 | 2.50 | 6.22 | 0.00 | 2.27 | 3.48 | 2.21 | 7.72 | 2.88 | 0.14 | 0.00 | 1.83 | 3.74 | 5.94 | 11.18 | 75.73 | 0.35 | 0.23 | 0.00 | 0.00 | 0.14 | 0.09 | 0.11 | 0.36 | 0.23 | 0.01 | 0.00 | 0.13 | 0.23 | 0.28 | 0.08 | 0.74 | 0.01 | 1.262 | 0.026 | |
| 11 | Wong Chuk Hang Road | 2 | 820 | 2.62 | 6.41 | 0.00 | 1.92 | 2.21 | 2.80 | 9.80 | 2.43 | 0.00 | 0.00 | 2.32 | 0.00 | 0.00 | 14.18 | 73.88 | 0.44 | 0.24 | 0.00 | 0.00 | 0.11 | 0.06 | 0.14 | 0.46 | 0.19 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.11 | 0.72 | 0.01 | 1.190 | 0.022 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1500 | 1.80 | 6.12 | 0.00 | 5.80 | 6.51 | 1.24 | 6.56 | 2.17 | 0.31 | 1.54 | 0.94 | 1.92 | 3.05 | 0.00 | 16.64 | 1.15 | 0.10 | 0.00 | 0.00 | 0.20 | 0.16 | 0.04 | 0.23 | 0.11 | 0.02 | 0.07 | 0.08 | 0.15 | 0.14 | 0.00 | 0.17 | 0.02 | 0.558 | 0.015 | |
| 13 | Wong Chuk Hang Road | 2 | 800 | 0.29 | 5.06 | 0.00 | 1.97 | 2.26 | 0.00 | 0.00 | 26.19 | 0.37 | 1.05 | 2.37 | 4.87 | 7.73 | 14.53 | 249.91 | 0.00 | 0.03 | 0.00 | 0.00 | 0.12 | 0.06 | 0.00 | 0.00 | 2.07 | 0.04 | 0.05 | 0.16 | 0.30 | 0.36 | 0.11 | 2.44 | 0.00 | 3.166 | 0.057 | |
| 14 | Wong Chuk Hang Road | 2 | 400 | 1.60 | 6.07 | 0.00 | 3.94 | 4.53 | 0.00 | 0.00 | 12.47 | 0.37 | 2.10 | 4.75 | 0.00 | 0.00 | 14.53 | 106.02 | 0.91 | 0.15 | 0.00 | 0.00 | 0.24 | 0.12 | 0.00 | 0.00 | 0.98 | 0.04 | 0.09 | 0.33 | 0.00 | 0.00 | 0.11 | 1.04 | 0.02 | 1.573 | 0.031 | |
| 15 | Wong Chuk Hang Road | 2 | 1900 | 2.07 | 7.24 | 0.00 | 5.80 | 7.63 | 1.21 | 6.34 | 5.25 | 0.38 | 1.77 | 2.00 | 2.05 | 3.25 | 3.06 | 47.83 | 0.96 | 0.19 | 0.00 | 0.00 | 0.35 | 0.20 | 0.06 | 0.30 | 0.41 | 0.04 | 0.08 | 0.14 | 0.13 | 0.15 | 0.02 | 0.47 | 0.02 | 0.968 | 0.026 | |
| 16 | Nam Long Shan Road | 1 | 1180 | 2.69 | 7.66 | 0.00 | 2.39 | 4.13 | 2.50 | 9.08 | 6.28 | 0.44 | 2.54 | 4.47 | 4.54 | 7.20 | 13.84 | 84.11 | 0.67 | 0.35 | 0.00 | 0.00 | 0.16 | 0.13 | 0.17 | 0.56 | 0.84 | 0.06 | 0.13 | 0.32 | 0.28 | 0.40 | 0.11 | 0.94 | 0.02 | 1.526 | 0.045 | |
| 17 | Heung Yip Road | 1 | 650 | 3.20 | 3.66 | 0.00 | 7.24 | 11.25 | 0.00 | 8.24 | 0.00 | 1.07 | 4.62 | 4.06 | 8.24 | 13.08 | 0.00 | 0.00 | 1.84 | 0.41 | 0.00 | 0.00 | 0.49 | 0.37 | 0.00 | 0.51 | 0.00 | 0.14 | 0.24 | 0.29 | 0.51 | 0.73 | 0.00 | 0.00 | 0.07 | 0.665 | 0.037 | |
| 18 | Heung Yip Road | 1 | 800 | 3.22 | 3.57 | 0.00 | 7.06 | 12.19 | 3.69 | 6.69 | 0.00 | 0.87 | 5.00 | 6.59 | 6.69 | 10.62 | 0.00 | 0.00 | 1.49 | 0.42 | 0.00 | 0.00 | 0.47 | 0.40 | 0.25 | 0.42 | 0.00 | 0.11 | 0.26 | 0.47 | 0.42 | 0.59 | 0.00 | 0.00 | 0.05 | 0.677 | 0.038 | |
| 19 | Heung Yip Road | 1 | 1040 | 3.21 | 3.66 | 0.00 | 7.24 | 11.72 | 2.84 | 10.30 | 0.00 | 1.00 | 4.81 | 5.07 | 5.15 | 8.17 | 0.00 | 0.00 | 1.53 | 0.42 | 0.00 | 0.00 | 0.49 | 0.38 | 0.19 | 0.64 | 0.00 | 0.13 | 0.25 | 0.36 | 0.32 | 0.45 | 0.00 | 0.00 | 0.06 | 0.647 | 0.037 | |
| 20 | Yip Fat St | 1 | 430 | 3.18 | 3.32 | 0.00 | 6.57 | 11.34 | 0.00 | 12.45 | 0.00 | 0.81 | 4.66 | 6.13 | 12.45 | 19.76 | 0.00 | 0.00 | 1.85 | 0.41 | 0.00 | 0.00 | 0.44 | 0.37 | 0.00 | 0.77 | 0.00 | 0.10 | 0.24 | 0.44 | 0.77 | 1.10 | 0.00 | 0.00 | 0.07 | 0.825 | 0.047 | |
| 21 | Heung Yip Road | 1 | 620 | 3.18 | 3.83 | 0.00 | 7.60 | 11.80 | 0.00 | 8.64 | 0.00 | 0.84 | 4.84 | 4.25 | 8.64 | 13.71 | 0.00 | 0.00 | 1.93 | 0.41 | 0.00 | 0.00 | 0.51 | 0.38 | 0.00 | 0.54 | 0.00 | 0.11 | 0.25 | 0.30 | 0.54 | 0.76 | 0.00 | 0.00 | 0.07 | 0.693 | 0.039 | |
| 22 | Yip Fat St | 1 | 10 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.055 | 0.007 | |
| 23 | Yip Fat St | 1 | 350 | 3.13 | 4.07 | 0.00 | 8.07 | 13.93 | 0.00 | 15.30 | 0.00 | 0.99 | 5.72 | 7.53 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 0.40 | 0.00 | 0.00 | 0.54 | 0.45 | 0.00 | 0.95 | 0.00 | 0.13 | 0.29 | 0.54 | 0.00 | 0.00 | 0.00 | 0.04 | 0.599 | 0.033 | | |
| 24 | Heung Yip Road | 1 | 610 | 3.23 | 3.12 | 0.00 | 7.72 | 11.99 | 0.00 | 8.78 | 0.00 | 0.85 | 4.92 | 4.32 | 8.78 | 13.93 | 0.00 | 0.00 | 1.96 | 0.42 | 0.00 | 0.00 | 0.52 | 0.39 | 0.00 | 0.54 | 0.00 | 0.11 | 0.25 | 0.31 | 0.55 | 0.77 | 0.00 | 0.00 | 0.07 | 0.696 | 0.039 | |
| 25 | Heung Yip Road | 1 | 590 | 3.53 | 5.64 | 0.00 | 4.79 | 8.27 | 0.00 | 9.08 | 0.00 | 0.59 | 3.39 | 4.47 | 0.00 | 0.00 | 0.00 | 14.02 | 1.35 | 0.46 | 0.00 | 0.00 | 0.32 | 0.27 | 0.00 | 0.56 | 0.00 | 0.08 | 0.17 | 0.32 | 0.00 | 0.00 | 0.00 | 0.16 | 0.05 | 0.551 | 0.024 | |
| 26 | Heung Yip Road | 1 | 880 | 3.42 | 5.40 | 0.00 | 4.28 | 8.31 | 3.35 | 6.08 | 0.00 | 0.79 | 3.41 | 3.00 | 6.08 | 9.66 | 0.00 | 9.40 | 1.36 | 0.44 | 0.00 | 0.00 | 0.29 | 0.27 | 0.22 | 0.38 | 0.00 | 0.10 | 0.18 | 0.21 | 0.38 | 0.54 | 0.00 | 0.10 | 0.05 | 0.646 | 0.032 | |
| 27 | Heung Yip Road | 1 | 230 | 3.57 | 4.13 | 0.00 | 8.19 | 10.60 | 0.00 | 0.00 | 0.00 | 0.76 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 0.46 | 0.00 | 0.00 | 0.55 | 0.34 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.333 | 0.017 | | |
| 28 | Heung Yip Road | 1 | 420 | 3.13 | 3.40 | 0.00 | 6.73 | 11.61 | 0.00 | 12.75 | 0.00 | 0.83 | 4.77 | 6.28 | 12.75 | 20.24 | 0.00 | 0.00 | 1.90 | 0.40 | 0.00 | 0.00 | 0.45 | 0.38 | 0.00 | 0.79 | 0.00 | 0.11 | 0.25 | 0.45 | 0.79 | 1.12 | 0.00 | 0.00 | 0.07 | 0.844 | 0.048 | |
| 29 | Heung Yip Road | 1 | 420 | 3.13 | 3.40 | 0.00 | 6.73 | 11.61 | 0.00 | 12.75 | 0.00 | 0.83 | 4.77 | 6.28 | 12.75 | 20.24 | 0.00 | 0.00 | 1.90 | 0.40 | 0.00 | 0.00 | 0.45 | 0.38 | 0.00 | 0.79 | 0.00 | 0.11 | 0.25 | 0.45 | 0.79 | 1.12 | 0.00 | 0.00 | 0.07 | 0.844 | 0.048 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 551.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 5.867 | 0.109 | | |
| 31 | Nam Long Shan Road | 1 | 920 | 3.51 | 5.68 | 0.00 | 2.05 | 2.65 | 0.00 | 5.82 | 2.30 | 0.57 | 3.26 | 2.87 | 5.82 | 9.24 | 8.87 | 35.96 | 0.87 | 0.45 | 0.00 | 0.00 | 0.14 | 0.09 | 0.00 | 0.36 | 0.31 | 0.07 | 0.17 | 0.20 | 0.36 | 0.51 | 0.07 | 0.40 | 0.03 | 0.895 | 0.032 | |
| 32 | Nam Long Shan Road | 1 | 850 | 3.48 | 5.59 | 0.00 | 2.22 | 2.87 | 0.00 | 6.30 | 2.49 | 0.61 | 2.36 | 3.10 | 6.30 | 10.00 | 9.60 | 38.92 | 0.94 | 0.45 | 0.00 | 0.00 | 0.15 | 0.09 | 0.00 | 0.39 | 0.33 | 0.08 | 0.12 | 0.22 | 0.39 | 0.56 | 0.07 | 0.43 | 0.03 | 0.948 | 0.033 | |
| 33 | Welfare Road | 1 | 130 | 3.37 | 10.97 | 0.00 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 0.44 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.246 | 0.010 | | | |
| 34 | Welfare Road | 1 | 50 | 4.38 | 9.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.139 | 0.006 | | |
| 35 | Shum Wan Road | 1</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 09-10)

Traffic (Hour: 09-10)

| Hour: 09-10 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 95 | 45 | 10 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47.37 | 10.53 | 0.00 | 10.53 | 10.53 | 10.53 | 10.53 | 10.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 105 | 45 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.86 | 14.29 | 0.00 | 9.52 | 9.52 | 9.52 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 230 | 90 | 35 | 0 | 20 | 10 | 10 | 35 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 39.13 | 15.22 | 0.00 | 8.70 | 4.35 | 4.35 | 15.22 | 0.00 | 0.00 | 0.00 | 4.35 | 4.35 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 310 | 120 | 45 | 0 | 30 | 20 | 10 | 45 | 0 | 10 | 0 | 10 | 10 | 10 | 0 | 38.71 | 14.52 | 0.00 | 9.68 | 6.45 | 3.23 | 14.52 | 0.00 | 3.23 | 0.00 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 1885 | 835 | 340 | 0 | 145 | 85 | 10 | 35 | 95 | 50 | 40 | 20 | 10 | 10 | 15 | 145 | 50 | 44.30 | 18.04 | 0.00 | 7.69 | 4.51 | 0.53 | 1.86 | 5.04 | 2.65 | 2.12 | 1.06 | 0.53 | 0.53 | 0.80 | 7.69 | 2.65 |
| 6 | Wong Chuk Hang Road | 2 | 2110 | 945 | 380 | 0 | 165 | 95 | 10 | 35 | 110 | 50 | 40 | 20 | 10 | 10 | 15 | 165 | 60 | 44.79 | 18.01 | 0.00 | 7.82 | 4.50 | 0.47 | 1.66 | 5.21 | 2.37 | 1.90 | 0.95 | 0.47 | 0.47 | 0.71 | 7.82 | 2.84 |
| 7 | Wong Chuk Hang Road | 2 | 920 | 315 | 130 | 0 | 50 | 30 | 0 | 10 | 105 | 20 | 20 | 20 | 10 | 10 | 170 | 20 | 34.24 | 14.13 | 0.00 | 5.43 | 3.26 | 0.00 | 1.09 | 11.41 | 2.17 | 2.17 | 2.17 | 1.09 | 1.09 | 1.09 | 18.48 | 2.17 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1230 | 595 | 240 | 0 | 105 | 60 | 10 | 25 | 20 | 30 | 30 | 10 | 10 | 10 | 5 | 40 | 48.37 | 19.51 | 0.00 | 8.54 | 4.88 | 0.81 | 2.03 | 1.63 | 2.44 | 2.44 | 0.81 | 0.81 | 0.81 | 0.41 | 3.25 | 3.25 | |
| 9 | Wong Chuk Hang Road | 2 | 1355 | 730 | 235 | 0 | 45 | 20 | 10 | 30 | 30 | 15 | 15 | 10 | 10 | 15 | 20 | 160 | 10 | 53.87 | 17.34 | 0.00 | 3.32 | 1.48 | 0.74 | 2.21 | 2.21 | 1.11 | 1.11 | 0.74 | 0.74 | 1.11 | 1.48 | 11.81 | 0.74 |
| 10 | Wong Chuk Hang Road | 2 | 1055 | 555 | 185 | 0 | 30 | 20 | 10 | 20 | 30 | 10 | 5 | 10 | 10 | 15 | 20 | 125 | 10 | 52.61 | 17.54 | 0.00 | 2.84 | 1.90 | 0.95 | 1.90 | 2.84 | 0.95 | 0.47 | 0.95 | 0.95 | 1.42 | 1.90 | 11.85 | 0.95 |
| 11 | Wong Chuk Hang Road | 2 | 840 | 460 | 155 | 0 | 20 | 10 | 10 | 20 | 20 | 5 | 0 | 10 | 0 | 5 | 20 | 95 | 10 | 54.76 | 18.45 | 0.00 | 2.38 | 1.19 | 1.19 | 2.38 | 2.38 | 0.60 | 0.00 | 1.19 | 0.00 | 0.60 | 2.38 | 11.31 | 1.19 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1485 | 735 | 280 | 0 | 125 | 75 | 10 | 35 | 30 | 40 | 30 | 10 | 10 | 10 | 0 | 45 | 50 | 49.49 | 18.86 | 0.00 | 8.42 | 5.05 | 0.67 | 2.36 | 2.02 | 2.69 | 2.02 | 0.67 | 0.67 | 0.67 | 0.00 | 3.03 | 3.37 |
| 13 | Wong Chuk Hang Road | 2 | 805 | 60 | 100 | 0 | 25 | 10 | 0 | 0 | 195 | 20 | 10 | 10 | 10 | 20 | 335 | 0 | 7.45 | 12.42 | 0.00 | 3.11 | 1.24 | 0.00 | 0.00 | 24.22 | 2.48 | 1.24 | 1.24 | 1.24 | 1.24 | 2.48 | 41.61 | 0.00 | |
| 14 | Wong Chuk Hang Road | 2 | 400 | 135 | 65 | 0 | 20 | 10 | 0 | 0 | 50 | 10 | 10 | 10 | 0 | 0 | 10 | 70 | 10 | 33.75 | 16.25 | 0.00 | 5.00 | 2.50 | 0.00 | 0.00 | 12.50 | 2.50 | 2.50 | 2.50 | 0.00 | 0.00 | 2.50 | 17.50 | 2.50 |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 840 | 335 | 0 | 145 | 85 | 10 | 35 | 100 | 50 | 40 | 20 | 10 | 10 | 10 | 145 | 50 | 44.56 | 17.77 | 0.00 | 7.69 | 4.51 | 0.53 | 1.86 | 5.31 | 2.65 | 2.12 | 1.06 | 0.53 | 0.53 | 0.53 | 7.69 | 2.65 |
| 16 | Nam Long Shan Road | 1 | 1215 | 575 | 220 | 0 | 35 | 20 | 10 | 20 | 70 | 30 | 30 | 20 | 10 | 15 | 20 | 120 | 20 | 47.33 | 18.11 | 0.00 | 2.88 | 1.65 | 0.82 | 1.65 | 5.76 | 2.47 | 2.47 | 1.65 | 0.82 | 1.23 | 1.65 | 9.88 | 1.65 |
| 17 | Heung Yip Road | 1 | 680 | 390 | 55 | 0 | 60 | 35 | 0 | 10 | 0 | 40 | 30 | 10 | 10 | 10 | 0 | 30 | 57.35 | 8.09 | 0.00 | 8.82 | 5.15 | 0.00 | 1.47 | 0.00 | 5.88 | 4.41 | 1.47 | 1.47 | 1.47 | 0.00 | 0.00 | 4.41 | |
| 18 | Heung Yip Road | 1 | 840 | 485 | 65 | 0 | 70 | 45 | 10 | 10 | 0 | 45 | 40 | 20 | 10 | 10 | 0 | 30 | 57.74 | 7.74 | 0.00 | 8.33 | 5.36 | 1.19 | 1.19 | 0.00 | 5.36 | 4.76 | 2.38 | 1.19 | 1.19 | 0.00 | 0.00 | 3.57 | |
| 19 | Heung Yip Road | 1 | 1100 | 630 | 90 | 0 | 95 | 60 | 10 | 20 | 0 | 65 | 50 | 20 | 10 | 10 | 0 | 40 | 57.27 | 8.18 | 0.00 | 8.64 | 5.45 | 0.91 | 1.82 | 0.00 | 5.91 | 4.55 | 1.82 | 0.91 | 0.91 | 0.00 | 0.00 | 3.64 | |
| 20 | Yip Fat St | 1 | 465 | 265 | 35 | 0 | 40 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 56.99 | 7.53 | 0.00 | 8.60 | 5.38 | 0.00 | 2.15 | 0.00 | 4.30 | 4.30 | 2.15 | 2.15 | 2.15 | 0.00 | 0.00 | 4.30 | |
| 21 | Heung Yip Road | 1 | 640 | 365 | 55 | 0 | 55 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 30 | 57.03 | 8.59 | 0.00 | 8.59 | 5.47 | 0.00 | 1.56 | 0.00 | 4.69 | 4.69 | 1.56 | 1.56 | 1.56 | 0.00 | 0.00 | 4.69 | |
| 22 | Yip Fat St | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | Yip Fat St | 1 | 360 | 205 | 30 | 0 | 35 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 0 | 10 | 56.94 | 8.33 | 0.00 | 9.72 | 5.56 | 0.00 | 2.78 | 0.00 | 5.56 | 5.56 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | |
| 24 | Heung Yip Road | 1 | 630 | 365 | 45 | 0 | 55 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 30 | 57.94 | 7.14 | 0.00 | 8.73 | 5.56 | 0.00 | 1.59 | 0.00 | 4.76 | 4.76 | 1.59 | 1.59 | 1.59 | 0.00 | 0.00 | 4.76 | |
| 25 | Heung Yip Road | 1 | 625 | 395 | 75 | 0 | 40 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 10 | 20 | 63.20 | 12.00 | 0.00 | 6.40 | 4.00 | 0.00 | 1.60 | 0.00 | 3.20 | 3.20 | 1.60 | 0.00 | 0.00 | 0.00 | 1.60 | 3.20 | |
| 26 | Heung Yip Road | 1 | 915 | 560 | 105 | 0 | 50 | 35 | 10 | 10 | 0 | 45 | 30 | 10 | 10 | 10 | 0 | 10 | 61.20 | 11.48 | 0.00 | 5.46 | 3.83 | 1.09 | 1.09 | 0.00 | 4.92 | 3.28 | 1.09 | 1.09 | 1.09 | 0.00 | 1.09 | 3.28 | |
| 27 | Heung Yip Road | 1 | 230 | 150 | 20 | 0 | 20 | 10 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 65.22 | 8.70 | 0.00 | 8.70 | 4.35 | 0.00 | 0.00 | 0.00 | 4.35 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | |
| 28 | Heung Yip Road | 1 | 420 | 240 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 57.14 | 7.14 | 0.00 | 7.14 | 4.76 | 0.00 | 2.38 | 0.00 | 4.76 | 4.76 | 2.38 | 2.38 | 2.38 | 0.00 | 0.00 | 4.76 | |
| 29 | Heung Yip Road | 1 | 445 | 250 | 35 | 0 | 35 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 56.18 | 7.87 | 0.00 | 7.87 | 5.62 | 0.00 | 2.25 | 0.00 | 4.49 | 4.49 | 2.25 | 2.25 | 2.25 | 0.00 | 0.00 | 4.49 | |
| 30 | Nam Long Shan Road | 1 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 69.23 | 0.00 | |
| 31 | Nam Long Shan Road | 1 | 1005 | 610 | 155 | 0 | 25 | 15 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 10 | 45 | 20 | 60.70 | 15.42 | 0.00 | 2.49 | 1.49 | 0.00 | 1.00 | 1.99 | 2.99 | 1.00 | 1.00 | 1.49 | 1.00 | 4.48 | 1.99 | |
| 32 | Nam Long Shan Road | 1 | 945 | 565 | 150 | 0 | 25 | 15 | 0 | 10 | 20 | 30 | 20 | 10 | 10 | 15 | 10 | 45 | 20 | 59.79 | 15.87 | 0.00 | 2.65 | 1.59 | 0.00 | 1.06 | 2.12 | 3.17 | 2.12 | 1.06 | 1.06 | 1.59 | 1.06 | 4.76 | 2.12 |
| 33 | Welfare Road | 1 | 130 | 80 | 30 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 61.54 | 23.08 | 0.00 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | |
| 34 | Welfare Road | 1 | 55 | 45 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81.82 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | Shum Wan Road | 1 | 415 | 165 | 95 | 0 | 15 | 10 | 0 | 0 | 20 | 20 | 15 | 10 | 10 | 15 | 10 | 20 | 10 | 39.76 | 22.89 | 0.00 | 3.61 | 2.41 | 0.00 | 0.00 | 4.82 | 4.82 | 3.61 | 2.41 | 2.41 | 3.61 | 2.41 | 4.82 | 2.41 |
| 36 | Shum Wan Road | 1 | 535 | 215 | 130 | 0 | 20 | 10 | 0 | 0 | 25 | 25 | 20 | 15 | 10 | 15 | 25 | 10 | 40.19 | 24.30 | 0.00 | 3.74 | 1.87 | 0.00 | 0.00 | 4.67 | 4.67 | 3.74 | 2.80 | 1.87 | 2.80 | 2.80 | 4.67 | 1.87 | |
| 37 | Shum Wan Pier Drive | 1 | 100 | 45 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 5 | 45.00 | 15.00 | 0.00 | 5.00 | 5.00 | 0.00 | 0.00 | 5.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 5.00 | |
| 38 | Nam Long Shan Road | 1 | 1060 | 635 | 180 | 0 | 25 | 15 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 15 | 45 | 20 | 59.91 | 16.98 | 0.00 | 2.36 | 1.42 | 0.00 | 0.94 | 1.89 | 2.83 | 2.83 | 0.94 | 0.94 | 1.42 | 1.42 | 4.25 | 1.89 |
| 39 | Nam Long Shan Road | 1 | 210 | 140 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 66.67 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | |
| 40 | Nam Long Shan Road | 1 | 285 | 185 | 40 | 0 | 10 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 10 | 10 | 64.91 | 14.04 | 0.00 | 3.51 | 0.00 | 0.00 | 0.00 | 0.00 | 3.51 | 3.51 | 0.00 | 0.00 | 0.00 | 0.00 | 3.51 | 3.51 | |
| 41 | Police School Road | 1 | 1040 | 620 | 175 | 0 | 25 | 15 | 0 | 10 | 20 | 30 | 30 | 10 | 10 | 15 | 15 | 45 | 20 | 59.62 | 16.83 | 0.00 | 2.40 | 1.44 | 0.00 | 0.96 | 1.92 | 2.88 | 2.88 | 0.96 | 0.96 | 1.44 | 1.44 | 4.33 | 1.92 |
| 42# | Police School Road | | NA | NA | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 09-10)

Emission Factor Calculations (Hour: 00-01)

| Hour: 09-10 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | |
|-------------|---------------------------------|---|----------------|------|-------|------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------------------------------------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 95 | 2.58 | 4.98 | 0.00 | 9.89 | 25.64 | 30.95 | 55.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.67 | 0.83 | 2.07 | 3.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.299 | 0.074 |
| 2 | Tong Bin Lane | 1 | 105 | 2.33 | 6.75 | 0.00 | 8.95 | 23.19 | 28.00 | 75.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.60 | 0.76 | 1.87 | 4.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.451 | 0.082 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 230 | 2.13 | 7.19 | 0.00 | 8.17 | 10.59 | 12.78 | 80.76 | 0.00 | 0.00 | 0.00 | 11.40 | 23.22 | 36.85 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.55 | 0.34 | 0.85 | 5.01 | 0.00 | 0.00 | 0.00 | 0.81 | 1.45 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 1.931 | 0.113 |
| 4 | Yip Kan St | 1 | 310 | 2.11 | 6.86 | 0.00 | 9.09 | 15.71 | 9.49 | 77.04 | 0.00 | 0.56 | 0.00 | 8.46 | 17.23 | 27.34 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.61 | 0.51 | 0.63 | 4.78 | 0.00 | 0.07 | 0.00 | 0.60 | 1.08 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 1.739 | 0.101 |
| 5 | Wong Chuk Hang Road | 2 | 1885 | 1.98 | 7.15 | 0.00 | 5.94 | 7.98 | 1.21 | 7.34 | 5.00 | 0.38 | 1.75 | 1.95 | 1.99 | 3.15 | 4.58 | 45.75 | 0.96 | 0.18 | 0.00 | 0.00 | 0.35 | 0.21 | 0.06 | 0.34 | 0.38 | 0.04 | 0.08 | 0.13 | 0.12 | 0.14 | 0.03 | 0.44 | 0.02 | 0.971 | 0.025 | |
| 6 | Wong Chuk Hang Road | 2 | 2110 | 2.00 | 7.14 | 0.00 | 6.04 | 7.97 | 1.08 | 6.55 | 5.17 | 0.34 | 1.57 | 1.74 | 1.78 | 2.81 | 4.09 | 46.51 | 1.03 | 0.18 | 0.00 | 0.00 | 0.36 | 0.21 | 0.05 | 0.30 | 0.39 | 0.03 | 0.07 | 0.12 | 0.11 | 0.13 | 0.03 | 0.45 | 0.03 | 0.958 | 0.025 | |
| 7 | Wong Chuk Hang Road | 2 | 920 | 1.53 | 5.60 | 0.00 | 4.20 | 5.77 | 0.00 | 4.29 | 11.32 | 0.31 | 1.79 | 4.00 | 4.08 | 6.45 | 6.26 | 109.91 | 0.79 | 0.14 | 0.00 | 0.00 | 0.25 | 0.15 | 0.00 | 0.20 | 0.86 | 0.03 | 0.08 | 0.28 | 0.25 | 0.29 | 0.05 | 1.06 | 0.02 | 1.663 | 0.036 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1230 | 1.73 | 6.14 | 0.00 | 6.18 | 6.79 | 1.50 | 6.65 | 1.75 | 0.29 | 1.86 | 1.14 | 2.33 | 3.71 | 1.90 | 16.19 | 1.12 | 0.09 | 0.00 | 0.00 | 0.22 | 0.17 | 0.05 | 0.23 | 0.09 | 0.02 | 0.09 | 0.10 | 0.19 | 0.17 | 0.02 | 0.17 | 0.02 | 0.593 | 0.016 | |
| 9 | Wong Chuk Hang Road | 2 | 1355 | 2.41 | 6.87 | 0.00 | 2.56 | 2.61 | 1.69 | 8.75 | 2.20 | 0.16 | 0.91 | 1.36 | 2.77 | 6.57 | 8.50 | 70.23 | 0.27 | 0.22 | 0.00 | 0.00 | 0.15 | 0.07 | 0.08 | 0.40 | 0.17 | 0.02 | 0.04 | 0.09 | 0.17 | 0.30 | 0.06 | 0.68 | 0.01 | 1.179 | 0.025 | |
| 10 | Wong Chuk Hang Road | 2 | 1055 | 2.35 | 6.95 | 0.00 | 2.20 | 3.36 | 2.17 | 7.49 | 2.82 | 0.14 | 0.39 | 1.74 | 3.56 | 8.44 | 10.91 | 70.47 | 0.34 | 0.21 | 0.00 | 0.00 | 0.13 | 0.09 | 0.11 | 0.34 | 0.21 | 0.01 | 0.02 | 0.12 | 0.22 | 0.38 | 0.08 | 0.68 | 0.01 | 1.233 | 0.026 | |
| 11 | Wong Chuk Hang Road | 2 | 840 | 2.45 | 7.31 | 0.00 | 1.84 | 2.11 | 2.72 | 9.41 | 2.36 | 0.08 | 0.00 | 2.19 | 0.00 | 3.53 | 13.70 | 67.27 | 0.43 | 0.22 | 0.00 | 0.00 | 0.11 | 0.06 | 0.14 | 0.43 | 0.18 | 0.01 | 0.00 | 0.15 | 0.00 | 0.16 | 0.10 | 0.65 | 0.01 | 1.154 | 0.022 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1485 | 1.77 | 5.93 | 0.00 | 6.09 | 7.03 | 1.25 | 7.71 | 2.17 | 0.31 | 1.54 | 0.95 | 1.93 | 3.07 | 0.00 | 15.09 | 1.16 | 0.10 | 0.00 | 0.00 | 0.21 | 0.18 | 0.04 | 0.27 | 0.11 | 0.02 | 0.07 | 0.08 | 0.15 | 0.14 | 0.00 | 0.16 | 0.02 | 0.560 | 0.015 | |
| 13 | Wong Chuk Hang Road | 2 | 805 | 0.33 | 4.92 | 0.00 | 2.40 | 2.20 | 0.00 | 0.00 | 24.04 | 0.35 | 1.03 | 2.29 | 4.66 | 7.37 | 14.30 | 247.52 | 0.00 | 0.03 | 0.00 | 0.00 | 0.14 | 0.06 | 0.00 | 0.00 | 1.82 | 0.03 | 0.04 | 0.16 | 0.28 | 0.33 | 0.11 | 2.39 | 0.00 | 3.114 | 0.054 | |
| 14 | Wong Chuk Hang Road | 2 | 400 | 1.51 | 6.44 | 0.00 | 3.86 | 4.42 | 0.00 | 0.00 | 12.40 | 0.36 | 2.06 | 4.60 | 0.00 | 0.00 | 14.39 | 104.09 | 0.90 | 0.14 | 0.00 | 0.00 | 0.23 | 0.12 | 0.00 | 0.00 | 0.94 | 0.03 | 0.09 | 0.32 | 0.00 | 0.00 | 0.11 | 1.00 | 0.02 | 1.550 | 0.030 | |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 1.99 | 7.04 | 0.00 | 5.94 | 7.98 | 1.21 | 7.34 | 5.26 | 0.38 | 1.75 | 1.95 | 1.99 | 3.15 | 3.05 | 45.75 | 0.96 | 0.18 | 0.00 | 0.00 | 0.35 | 0.21 | 0.06 | 0.34 | 0.40 | 0.04 | 0.08 | 0.13 | 0.12 | 0.14 | 0.02 | 0.44 | 0.02 | 0.958 | 0.025 | |
| 16 | Nam Long Shan Road | 1 | 1215 | 2.58 | 8.56 | 0.00 | 2.71 | 4.01 | 2.42 | 8.74 | 6.06 | 0.43 | 2.46 | 4.31 | 4.40 | 10.46 | 13.40 | 81.37 | 0.65 | 0.34 | 0.00 | 0.00 | 0.18 | 0.13 | 0.16 | 0.54 | 0.81 | 0.06 | 0.13 | 0.31 | 0.27 | 0.58 | 0.10 | 0.91 | 0.02 | 1.526 | 0.045 | |
| 17 | Heung Yip Road | 1 | 680 | 3.12 | 3.82 | 0.00 | 8.29 | 12.54 | 0.00 | 7.80 | 0.00 | 1.01 | 4.40 | 3.85 | 7.85 | 12.46 | 0.00 | 0.00 | 1.74 | 0.41 | 0.00 | 0.00 | 0.56 | 0.41 | 0.00 | 0.48 | 0.00 | 0.13 | 0.23 | 0.28 | 0.49 | 0.69 | 0.00 | 0.00 | 0.07 | 0.669 | 0.037 | |
| 18 | Heung Yip Road | 1 | 840 | 3.14 | 3.66 | 0.00 | 7.83 | 13.05 | 3.50 | 6.32 | 0.00 | 0.92 | 4.75 | 6.24 | 6.36 | 10.09 | 0.00 | 0.00 | 1.41 | 0.41 | 0.00 | 0.00 | 0.53 | 0.42 | 0.23 | 0.39 | 0.00 | 0.12 | 0.25 | 0.45 | 0.40 | 0.56 | 0.00 | 0.00 | 0.05 | 0.673 | 0.038 | |
| 19 | Heung Yip Road | 1 | 1100 | 3.12 | 3.87 | 0.00 | 8.12 | 13.28 | 2.67 | 9.65 | 0.00 | 1.02 | 4.53 | 4.77 | 4.86 | 7.71 | 0.00 | 0.00 | 1.44 | 0.41 | 0.00 | 0.00 | 0.55 | 0.43 | 0.18 | 0.60 | 0.00 | 0.13 | 0.23 | 0.34 | 0.30 | 0.43 | 0.00 | 0.00 | 0.06 | 0.650 | 0.037 | |
| 20 | Yip Fat St | 1 | 465 | 3.10 | 3.56 | 0.00 | 8.08 | 13.09 | 0.00 | 11.41 | 0.00 | 0.74 | 4.29 | 5.64 | 11.49 | 18.23 | 0.00 | 0.00 | 1.70 | 0.40 | 0.00 | 0.00 | 0.54 | 0.43 | 0.00 | 0.71 | 0.00 | 0.10 | 0.22 | 0.40 | 0.72 | 1.01 | 0.00 | 0.00 | 0.07 | 0.813 | 0.046 | |
| 21 | Heung Yip Road | 1 | 640 | 3.10 | 4.06 | 0.00 | 8.08 | 13.32 | 0.00 | 8.29 | 0.00 | 0.81 | 4.67 | 4.10 | 8.35 | 13.24 | 0.00 | 0.00 | 1.85 | 0.40 | 0.00 | 0.00 | 0.54 | 0.43 | 0.00 | 0.51 | 0.00 | 0.11 | 0.24 | 0.29 | 0.52 | 0.74 | 0.00 | 0.00 | 0.07 | 0.699 | 0.039 | |
| 22 | Yip Fat St | 1 | 10 | 5.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.054 | 0.007 | |
| 23 | Yip Fat St | 1 | 360 | 3.10 | 3.94 | 0.00 | 9.14 | 13.53 | 0.00 | 14.74 | 0.00 | 0.96 | 5.54 | 7.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 0.40 | 0.00 | 0.00 | 0.62 | 0.44 | 0.00 | 0.91 | 0.00 | 0.13 | 0.29 | 0.52 | 0.00 | 0.00 | 0.00 | 0.04 | 0.593 | 0.033 | | |
| 24 | Heung Yip Road | 1 | 630 | 3.15 | 3.38 | 0.00 | 8.20 | 13.53 | 0.00 | 8.42 | 0.00 | 0.82 | 4.75 | 4.16 | 8.48 | 13.45 | 0.00 | 0.00 | 1.88 | 0.41 | 0.00 | 0.00 | 0.55 | 0.44 | 0.00 | 0.52 | 0.00 | 0.11 | 0.25 | 0.30 | 0.53 | 0.75 | 0.00 | 0.00 | 0.07 | 0.702 | 0.039 | |
| 25 | Heung Yip Road | 1 | 625 | 3.44 | 5.67 | 0.00 | 6.01 | 9.74 | 0.00 | 8.49 | 0.00 | 0.55 | 3.19 | 4.19 | 0.00 | 0.00 | 0.00 | 13.18 | 1.26 | 0.45 | 0.00 | 0.00 | 0.41 | 0.32 | 0.00 | 0.53 | 0.00 | 0.07 | 0.17 | 0.30 | 0.00 | 0.00 | 0.00 | 0.15 | 0.05 | 0.557 | 0.024 | |
| 26 | Heung Yip Road | 1 | 915 | 3.33 | 5.42 | 0.00 | 5.14 | 9.32 | 3.21 | 5.80 | 0.00 | 0.85 | 3.27 | 2.86 | 5.84 | 9.26 | 0.00 | 9.00 | 1.30 | 0.43 | 0.00 | 0.00 | 0.35 | 0.30 | 0.21 | 0.36 | 0.00 | 0.11 | 0.17 | 0.20 | 0.36 | 0.51 | 0.00 | 0.10 | 0.05 | 0.646 | 0.032 | |
| 27 | Heung Yip Road | 1 | 230 | 3.55 | 4.11 | 0.00 | 8.17 | 10.59 | 0.00 | 0.00 | 0.00 | 0.75 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 0.46 | 0.00 | 0.00 | 0.55 | 0.34 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.332 | 0.017 | | |
| 28 | Heung Yip Road | 1 | 420 | 3.11 | 3.38 | 0.00 | 6.71 | 11.60 | 0.00 | 12.64 | 0.00 | 0.82 | 4.75 | 6.24 | 12.72 | 20.18 | 0.00 | 0.00 | 1.88 | 0.40 | 0.00 | 0.00 | 0.45 | 0.38 | 0.00 | 0.78 | 0.00 | 0.11 | 0.25 | 0.45 | 0.79 | 1.12 | 0.00 | 0.00 | 0.07 | 0.840 | 0.048 | |
| 29 | Heung Yip Road | 1 | 445 | 3.06 | 3.72 | 0.00 | 7.39 | 13.68 | 0.00 | 11.93 | 0.00 | 0.77 | 4.48 | 5.89 | 12.00 | 19.05 | 0.00 | 0.00 | 1.78 | 0.40 | 0.00 | 0.00 | 0.50 | 0.45 | 0.00 | 0.74 | 0.00 | 0.10 | 0.23 | 0.42 | 0.75 | 1.06 | 0.00 | 0.00 | 0.07 | 0.837 | 0.047 | |
| 30 | Nam Long Shan Road | 1 | 65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 570.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.36 | 0.00 | 6.028 | 0.107 | | |
| 31 | Nam Long Shan Road | 1 | 1005 | 3.30 | 7.29 | 0.00 | 2.34 | 3.63 | 0.00 | 5.28 | 2.09 | 0.51 | 2.97 | 2.61 | 5.31 | 12.65 | 8.10 | 36.89 | 0.79 | 0.43 | 0.00 | 0.00 | 0.16 | 0.12 | 0.00 | 0.33 | 0.28 | 0.07 | 0.15 | 0.19 | 0.33 | 0.70 | 0.06 | 0.41 | 0.03 | 0.938 | 0.033 | |
| 32 | Nam Long Shan Road | 1 | 945 | 3.25 | 7.50 | 0.00 | 2.49 | 3.87 | 0.00 | 5.62 | 2.23 | 0.55 | 2.11 | 2.77 | 5.65 | 13.45 | 8.62 | 39.23 | 0.84 | 0.42 | 0.00 | 0.00 | 0.17 | 0.13 | 0.00 | 0.35 | 0.30 | 0.07 | 0.11 | 0.20 | 0.35 | 0.75 | 0.07 | 0.44 | 0.03 | 0.982 | 0.034 | |
| 33 | Welfare Road | 1 | 130 | 3.35 | 10.91 | 0.00 | 7.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 0.44 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.245 | 0.010 | | | |
| 34 | Welfare Road | 1 | 55 | 4.45 | 8.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.130 | 0.006 | | |
| 35 | Shum Wan Road | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 10-11)

| Hour: 10-11 | | Flow Rate (veh./hr) | | | | | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
|-------------|---------------------------------|---------------------|----------------|-----|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|----|--------|-----------------|------|-------|------|------|-------|-------|------|------|------|------|------|-------|-------|------|------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 1 | Yip Hing St | 1 | 105 | 45 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.86 | 14.29 | 0.00 | 9.52 | 9.52 | 9.52 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 110 | 50 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.45 | 13.64 | 0.00 | 9.09 | 9.09 | 9.09 | 13.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 240 | 95 | 35 | 0 | 20 | 10 | 15 | 35 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 39.58 | 14.58 | 0.00 | 8.33 | 4.17 | 6.25 | 14.58 | 0.00 | 0.00 | 0.00 | 4.17 | 4.17 | 4.17 | 0.00 | 0.00 | 0.00 | |
| 4 | Yip Kan St | 1 | 315 | 120 | 45 | 0 | 30 | 20 | 15 | 45 | 0 | 10 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 38.10 | 14.29 | 0.00 | 9.52 | 6.35 | 4.76 | 14.29 | 0.00 | 3.17 | 0.00 | 3.17 | 3.17 | 3.17 | 0.00 | 0.00 | 0.00 | |
| 5 | Wong Chuk Hang Road | 2 | 1865 | 810 | 340 | 0 | 150 | 85 | 10 | 35 | 95 | 50 | 40 | 20 | 10 | 10 | 15 | 140 | 55 | 43.43 | 18.23 | 0.00 | 8.04 | 4.56 | 0.54 | 1.88 | 5.09 | 2.68 | 2.14 | 1.07 | 0.54 | 0.54 | 0.80 | 7.51 | 2.95 | |
| 6 | Wong Chuk Hang Road | 2 | 2100 | 920 | 380 | 0 | 175 | 100 | 10 | 40 | 105 | 50 | 40 | 20 | 10 | 10 | 15 | 160 | 65 | 43.81 | 18.10 | 0.00 | 8.33 | 4.76 | 0.48 | 1.90 | 5.00 | 2.38 | 1.90 | 0.95 | 0.48 | 0.48 | 0.71 | 7.62 | 3.10 | |
| 7 | Wong Chuk Hang Road | 2 | 905 | 295 | 130 | 0 | 55 | 30 | 0 | 10 | 105 | 20 | 20 | 20 | 10 | 10 | 10 | 170 | 20 | 32.60 | 14.36 | 0.00 | 6.08 | 3.31 | 0.00 | 1.10 | 11.60 | 2.21 | 2.21 | 2.21 | 1.10 | 1.10 | 1.10 | 18.78 | 2.21 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1225 | 585 | 240 | 0 | 110 | 65 | 10 | 25 | 20 | 30 | 30 | 10 | 10 | 10 | 5 | 35 | 40 | 47.76 | 19.59 | 0.00 | 8.98 | 5.31 | 0.82 | 2.04 | 1.63 | 2.45 | 2.45 | 0.82 | 0.82 | 0.82 | 0.41 | 2.86 | 3.27 | |
| 9 | Wong Chuk Hang Road | 2 | 1385 | 715 | 265 | 0 | 45 | 25 | 10 | 30 | 35 | 15 | 15 | 15 | 10 | 15 | 25 | 155 | 10 | 51.62 | 19.13 | 0.00 | 3.25 | 1.81 | 0.72 | 2.17 | 2.53 | 1.08 | 1.08 | 1.08 | 0.72 | 1.08 | 1.81 | 11.19 | 0.72 | |
| 10 | Wong Chuk Hang Road | 2 | 1075 | 540 | 215 | 0 | 35 | 20 | 10 | 20 | 30 | 15 | 5 | 10 | 10 | 15 | 25 | 115 | 10 | 50.23 | 20.00 | 0.00 | 3.26 | 1.86 | 0.93 | 1.86 | 2.79 | 1.40 | 0.47 | 0.93 | 0.93 | 1.40 | 2.33 | 10.70 | 0.93 | |
| 11 | Wong Chuk Hang Road | 2 | 880 | 450 | 190 | 0 | 25 | 15 | 10 | 20 | 20 | 5 | 5 | 10 | 0 | 5 | 25 | 90 | 10 | 51.14 | 21.59 | 0.00 | 2.84 | 1.70 | 1.14 | 2.27 | 2.27 | 0.57 | 0.57 | 1.14 | 0.00 | 0.57 | 2.84 | 10.23 | 1.14 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1465 | 720 | 270 | 0 | 130 | 75 | 10 | 35 | 30 | 40 | 30 | 10 | 10 | 10 | 0 | 45 | 50 | 49.15 | 18.43 | 0.00 | 8.87 | 5.12 | 0.68 | 2.39 | 2.05 | 2.73 | 2.05 | 0.68 | 0.68 | 0.68 | 0.00 | 3.07 | 3.41 | |
| 13 | Wong Chuk Hang Road | 2 | 810 | 65 | 100 | 0 | 25 | 15 | 0 | 0 | 185 | 20 | 10 | 10 | 10 | 10 | 20 | 335 | 5 | 8.02 | 12.35 | 0.00 | 3.09 | 1.85 | 0.00 | 0.00 | 22.84 | 2.47 | 1.23 | 1.23 | 1.23 | 1.23 | 2.47 | 41.36 | 0.62 | |
| 14 | Wong Chuk Hang Road | 2 | 410 | 135 | 70 | 0 | 20 | 10 | 0 | 0 | 50 | 10 | 10 | 10 | 0 | 0 | 15 | 70 | 10 | 32.93 | 17.07 | 0.00 | 4.88 | 2.44 | 0.00 | 0.00 | 12.20 | 2.44 | 2.44 | 0.00 | 0.00 | 3.66 | 17.07 | 2.44 | | |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 825 | 330 | 0 | 155 | 90 | 10 | 35 | 95 | 50 | 40 | 20 | 10 | 10 | 15 | 145 | 55 | 43.77 | 17.51 | 0.00 | 8.22 | 4.77 | 0.53 | 1.86 | 5.04 | 2.65 | 2.12 | 1.06 | 0.53 | 0.53 | 0.80 | 7.69 | 2.92 | |
| 16 | Nam Long Shan Road | 1 | 1265 | 580 | 250 | 0 | 40 | 25 | 10 | 20 | 65 | 30 | 30 | 20 | 10 | 15 | 30 | 120 | 20 | 45.85 | 19.76 | 0.00 | 3.16 | 1.98 | 0.79 | 1.58 | 5.14 | 2.37 | 2.37 | 1.58 | 0.79 | 1.19 | 2.37 | 9.49 | 1.58 | |
| 17 | Heung Yip Road | 1 | 680 | 370 | 55 | 0 | 65 | 40 | 0 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 0 | 30 | 54.41 | 8.09 | 0.00 | 9.56 | 5.88 | 0.00 | 2.21 | 0.00 | 5.88 | 4.41 | 2.21 | 1.47 | 1.47 | 0.00 | 0.00 | 4.41 | |
| 18 | Heung Yip Road | 1 | 835 | 465 | 65 | 0 | 75 | 50 | 10 | 15 | 0 | 40 | 40 | 20 | 10 | 15 | 0 | 0 | 30 | 55.69 | 7.78 | 0.00 | 8.98 | 5.99 | 1.20 | 1.80 | 0.00 | 4.79 | 2.40 | 1.20 | 1.80 | 0.00 | 0.00 | 3.59 | | |
| 19 | Heung Yip Road | 1 | 1095 | 600 | 90 | 0 | 105 | 60 | 10 | 25 | 0 | 60 | 50 | 25 | 15 | 15 | 0 | 0 | 40 | 54.79 | 8.22 | 0.00 | 9.59 | 5.48 | 0.91 | 2.28 | 0.00 | 5.48 | 4.57 | 2.28 | 1.37 | 1.37 | 0.00 | 0.00 | 3.65 | |
| 20 | Yip Fat St | 1 | 480 | 260 | 35 | 0 | 45 | 30 | 0 | 15 | 0 | 25 | 20 | 10 | 10 | 10 | 0 | 0 | 20 | 54.17 | 7.29 | 0.00 | 9.38 | 6.25 | 0.00 | 3.13 | 0.00 | 5.21 | 4.17 | 2.08 | 2.08 | 2.08 | 0.00 | 0.00 | 4.17 | |
| 21 | Heung Yip Road | 1 | 615 | 345 | 55 | 0 | 55 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 0 | 25 | 56.10 | 8.94 | 0.00 | 8.94 | 5.69 | 0.00 | 1.63 | 0.00 | 4.88 | 4.88 | 1.63 | 1.63 | 1.63 | 0.00 | 0.00 | 4.07 | |
| 22 | Yip Fat St | 1 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | Yip Fat St | 1 | 365 | 200 | 30 | 0 | 40 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 0 | 0 | 0 | 0 | 10 | 54.79 | 8.22 | 0.00 | 10.96 | 6.85 | 0.00 | 2.74 | 0.00 | 5.48 | 5.48 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | |
| 24 | Heung Yip Road | 1 | 595 | 340 | 40 | 0 | 55 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 0 | 25 | 57.14 | 6.72 | 0.00 | 9.24 | 5.88 | 0.00 | 1.68 | 0.00 | 5.04 | 5.04 | 1.68 | 1.68 | 1.68 | 0.00 | 0.00 | 4.20 | |
| 25 | Heung Yip Road | 1 | 635 | 380 | 75 | 0 | 45 | 30 | 0 | 15 | 0 | 25 | 25 | 10 | 0 | 0 | 0 | 10 | 20 | 59.84 | 11.81 | 0.00 | 7.09 | 4.72 | 0.00 | 2.36 | 0.00 | 3.94 | 3.94 | 1.57 | 0.00 | 0.00 | 0.00 | 1.57 | 3.15 | |
| 26 | Heung Yip Road | 1 | 890 | 525 | 105 | 0 | 55 | 35 | 10 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 10 | 30 | 58.99 | 11.80 | 0.00 | 6.18 | 3.93 | 1.12 | 1.69 | 0.00 | 4.49 | 3.37 | 1.69 | 1.12 | 1.12 | 0.00 | 1.12 | 3.37 | |
| 27 | Heung Yip Road | 1 | 235 | 145 | 20 | 0 | 25 | 15 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 61.70 | 8.51 | 0.00 | 10.64 | 6.38 | 0.00 | 0.00 | 0.00 | 4.26 | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.26 | |
| 28 | Heung Yip Road | 1 | 400 | 220 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 0 | 20 | 55.00 | 7.50 | 0.00 | 7.50 | 5.00 | 0.00 | 2.50 | 0.00 | 5.00 | 5.00 | 2.50 | 2.50 | 2.50 | 0.00 | 0.00 | 5.00 | |
| 29 | Heung Yip Road | 1 | 435 | 235 | 35 | 0 | 40 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 0 | 20 | 54.02 | 8.05 | 0.00 | 9.20 | 5.75 | 0.00 | 2.30 | 0.00 | 4.60 | 4.60 | 2.30 | 2.30 | 2.30 | 0.00 | 0.00 | 4.60 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 1045 | 595 | 190 | 0 | 30 | 15 | 0 | 10 | 20 | 30 | 30 | 15 | 10 | 15 | 20 | 45 | 20 | 56.94 | 18.18 | 0.00 | 2.87 | 1.44 | 0.00 | 0.96 | 1.91 | 2.87 | 2.87 | 1.44 | 0.96 | 1.44 | 1.91 | 4.31 | 1.91 | |
| 32 | Nam Long Shan Road | 1 | 1000 | 555 | 185 | 0 | 30 | 15 | 0 | 15 | 20 | 30 | 25 | 15 | 10 | 15 | 20 | 45 | 20 | 55.50 | 18.50 | 0.00 | 3.00 | 1.50 | 0.00 | 1.50 | 2.00 | 3.00 | 2.50 | 1.50 | 1.00 | 1.50 | 2.00 | 4.50 | 2.00 | |
| 33 | Welfare Road | 1 | 120 | 75 | 25 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 62.50 | 20.83 | 0.00 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | |
| 34 | Welfare Road | 1 | 60 | 45 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35 | Shum Wan Road | 1 | 445 | 170 | 125 | 0 | 15 | 10 | 0 | 0 | 20 | 15 | 15 | 10 | 5 | 10 | 20 | 20 | 10 | 38.20 | 28.09 | 0.00 | 3.37 | 2.25 | 0.00 | 0.00 | 4.49 | 3.37 | 3.37 | 2.25 | 1.12 | 2.25 | 4.49 | 4.49 | 2.25 | |
| 36 | Shum Wan Road | 1 | 590 | 210 | 180 | 0 | 20 | 10 | 0 | 0 | 25 | 20 | 15 | 15 | 10 | 20 | 30 | 25 | 10 | 35.59 | 30.51 | 0.00 | 3.39 | 1.69 | 0.00 | 0.00 | 4.24 | 3.39 | 2.54 | 2.54 | 1.69 | 3.39 | 5.08 | 4.24 | 1.69 | |
| 37 | Shum Wan Pier Drive | 1 | 85 | 40 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 47.06 | 17.65 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 5.88 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 5.88 | 0.00 | 5.88 | 0.00 |
| 38 | Nam Long Shan Road | 1 | 1125 | 615 | 230 | 0 | 30 | 15 | 0 | 15 | 20 | 30 | 30 | 15 | 10 | 20 | 30 | 45 | 20 | 54.67 | 20.44 | 0.00 | 2.67 | 1.33 | 0.00 | 1.33 | 1.78 | 2.67 | 2.67 | 1.33 | 0.89 | 1.78 | 2.67 | 4.00 | 1.78 | |
| 39 | Nam Long Shan Road | 1 | 200 | 130 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 10 | 65.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 5.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 265 | 170 | 35 | 0 | 10 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 10 | 64.15 | 13.21 | 0.00 | 3.77 | 0.00 | 0.00 | 0.00 | 3.77 | 3.77 | 3.77 | 0.00 | 0.00 | 0.00 | 0.00 | 3.77 | 3.77 | 0.00 |
| 41 | Police School Road | 1 | 1105 | 600 | 230 | 0 | 30 | 15 | 0 | 10 | 20 | 30 | 30 | 15 | 10 | 20 | 30 | 45 | 20 | 54.30 | 20.81 | 0.00 | 2.71 | 1.36 | 0.00 | 0.90 | 1.81 | 2.71 | 2.71 | 1.36 | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 10-11)

Emission Factor Calculations (Hour: 00-01)

| Hour: 10-11 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------------------------------------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 105 | 2.32 | 6.72 | 0.00 | 8.93 | 23.16 | 27.92 | 75.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.60 | 0.76 | 1.88 | 4.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.448 | 0.083 |
| 2 | Tong Bin Lane | 1 | 110 | 2.46 | 6.42 | 0.00 | 8.52 | 22.11 | 26.65 | 72.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 0.58 | 0.72 | 1.79 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.385 | 0.079 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 240 | 2.14 | 6.86 | 0.00 | 7.81 | 10.13 | 18.32 | 77.33 | 0.00 | 0.00 | 0.00 | 10.90 | 22.21 | 35.24 | 0.00 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.53 | 0.33 | 1.23 | 4.81 | 0.00 | 0.00 | 0.00 | 0.78 | 1.39 | 1.96 | 0.00 | 0.00 | 0.00 | 1.909 | 0.113 | |
| 4 | Yip Kan St | 1 | 315 | 2.06 | 6.72 | 0.00 | 8.93 | 15.44 | 13.96 | 75.75 | 0.00 | 0.54 | 0.00 | 8.30 | 16.92 | 26.85 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.60 | 0.51 | 0.94 | 4.72 | 0.00 | 0.07 | 0.00 | 0.60 | 1.06 | 1.50 | 0.00 | 0.00 | 0.00 | 1.755 | 0.103 | |
| 5 | Wong Chuk Hang Road | 2 | 1865 | 1.93 | 7.19 | 0.00 | 6.19 | 8.04 | 1.22 | 7.43 | 5.03 | 0.38 | 1.76 | 1.97 | 2.01 | 3.18 | 4.61 | 44.54 | 1.02 | 0.18 | 0.00 | 0.00 | 0.37 | 0.21 | 0.06 | 0.34 | 0.38 | 0.04 | 0.08 | 0.14 | 0.12 | 0.14 | 0.03 | 0.43 | 0.02 | 0.965 | 0.025 | |
| 6 | Wong Chuk Hang Road | 2 | 2100 | 1.95 | 7.13 | 0.00 | 6.41 | 8.40 | 1.09 | 7.54 | 4.94 | 0.34 | 1.57 | 1.75 | 1.78 | 2.82 | 4.10 | 45.21 | 1.07 | 0.18 | 0.00 | 0.00 | 0.38 | 0.22 | 0.05 | 0.35 | 0.38 | 0.03 | 0.07 | 0.12 | 0.11 | 0.13 | 0.03 | 0.44 | 0.02 | 0.961 | 0.025 | |
| 7 | Wong Chuk Hang Road | 2 | 905 | 1.45 | 5.66 | 0.00 | 4.68 | 5.85 | 0.00 | 4.37 | 11.46 | 0.31 | 1.82 | 4.06 | 4.14 | 6.54 | 6.34 | 111.45 | 0.76 | 0.13 | 0.00 | 0.00 | 0.28 | 0.15 | 0.00 | 0.20 | 0.87 | 0.03 | 0.08 | 0.28 | 0.25 | 0.30 | 1.08 | 0.01 | 1.689 | 0.037 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1225 | 1.70 | 6.13 | 0.00 | 6.48 | 7.37 | 1.51 | 6.66 | 1.75 | 0.28 | 1.86 | 1.14 | 2.34 | 3.71 | 1.90 | 14.20 | 1.11 | 0.09 | 0.00 | 0.00 | 0.23 | 0.19 | 0.05 | 0.23 | 0.09 | 0.02 | 0.09 | 0.10 | 0.19 | 0.18 | 0.02 | 0.15 | 0.02 | 0.582 | 0.016 | |
| 9 | Wong Chuk Hang Road | 2 | 1385 | 2.29 | 7.54 | 0.00 | 2.50 | 3.19 | 1.65 | 8.57 | 2.50 | 0.15 | 0.89 | 1.99 | 2.70 | 6.41 | 10.35 | 66.40 | 0.25 | 0.21 | 0.00 | 0.00 | 0.15 | 0.08 | 0.08 | 0.40 | 0.19 | 0.01 | 0.04 | 0.14 | 0.17 | 0.29 | 0.08 | 0.64 | 0.00 | 1.174 | 0.025 | |
| 10 | Wong Chuk Hang Road | 2 | 1075 | 2.23 | 7.88 | 0.00 | 2.51 | 3.28 | 2.12 | 7.36 | 2.76 | 0.20 | 0.38 | 1.71 | 3.48 | 8.26 | 13.34 | 63.47 | 0.32 | 0.20 | 0.00 | 0.00 | 0.15 | 0.09 | 0.11 | 0.34 | 0.21 | 0.02 | 0.02 | 0.12 | 0.21 | 0.37 | 0.10 | 0.61 | 0.01 | 1.193 | 0.026 | |
| 11 | Wong Chuk Hang Road | 2 | 880 | 2.27 | 8.51 | 0.00 | 2.19 | 3.01 | 2.59 | 9.00 | 2.24 | 0.08 | 0.47 | 2.09 | 0.00 | 3.36 | 16.29 | 60.68 | 0.39 | 0.21 | 0.00 | 0.00 | 0.13 | 0.08 | 0.13 | 0.42 | 0.17 | 0.01 | 0.02 | 0.14 | 0.00 | 0.15 | 0.12 | 0.59 | 0.01 | 1.132 | 0.022 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1465 | 1.75 | 5.77 | 0.00 | 6.41 | 7.11 | 1.26 | 7.80 | 2.19 | 0.32 | 1.56 | 0.96 | 1.95 | 3.11 | 0.00 | 15.26 | 1.16 | 0.09 | 0.00 | 0.00 | 0.23 | 0.18 | 0.04 | 0.27 | 0.11 | 0.02 | 0.07 | 0.09 | 0.16 | 0.15 | 0.00 | 0.16 | 0.02 | 0.566 | 0.016 | |
| 13 | Wong Chuk Hang Road | 2 | 810 | 0.36 | 4.87 | 0.00 | 2.38 | 3.27 | 0.00 | 0.00 | 22.55 | 0.35 | 1.01 | 2.27 | 4.62 | 7.31 | 14.16 | 245.38 | 0.21 | 0.03 | 0.00 | 0.00 | 0.14 | 0.09 | 0.00 | 0.00 | 1.72 | 0.03 | 0.04 | 0.16 | 0.28 | 0.33 | 0.11 | 2.37 | 0.00 | 3.087 | 0.053 | |
| 14 | Wong Chuk Hang Road | 2 | 410 | 1.46 | 6.73 | 0.00 | 3.75 | 4.30 | 0.00 | 0.00 | 12.04 | 0.35 | 2.00 | 4.48 | 0.00 | 0.00 | 20.98 | 101.30 | 0.84 | 0.13 | 0.00 | 0.00 | 0.22 | 0.11 | 0.00 | 0.00 | 0.92 | 0.03 | 0.09 | 0.31 | 0.00 | 0.00 | 0.16 | 0.98 | 0.02 | 1.582 | 0.030 | |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 1.95 | 6.90 | 0.00 | 6.33 | 8.43 | 1.21 | 7.35 | 4.98 | 0.38 | 1.74 | 1.95 | 1.99 | 3.14 | 4.56 | 45.64 | 1.01 | 0.18 | 0.00 | 0.00 | 0.37 | 0.22 | 0.06 | 0.34 | 0.38 | 0.04 | 0.08 | 0.13 | 0.12 | 0.14 | 0.03 | 0.44 | 0.02 | 0.975 | 0.026 | |
| 16 | Nam Long Shan Road | 1 | 1265 | 2.48 | 9.30 | 0.00 | 2.96 | 4.81 | 2.32 | 8.38 | 5.38 | 0.41 | 2.35 | 4.14 | 4.21 | 10.03 | 19.27 | 78.11 | 0.62 | 0.33 | 0.00 | 0.00 | 0.20 | 0.16 | 0.16 | 0.52 | 0.73 | 0.05 | 0.12 | 0.30 | 0.26 | 0.56 | 0.15 | 0.87 | 0.02 | 1.548 | 0.044 | |
| 17 | Heung Yip Road | 1 | 680 | 2.95 | 3.81 | 0.00 | 8.96 | 14.30 | 0.00 | 11.70 | 0.00 | 1.00 | 4.38 | 5.77 | 7.84 | 12.44 | 0.00 | 0.00 | 1.73 | 0.39 | 0.00 | 0.00 | 0.61 | 0.47 | 0.00 | 0.73 | 0.00 | 0.13 | 0.23 | 0.41 | 0.49 | 0.69 | 0.00 | 0.00 | 0.06 | 0.749 | 0.042 | |
| 18 | Heung Yip Road | 1 | 835 | 3.02 | 3.66 | 0.00 | 8.42 | 14.56 | 3.51 | 9.53 | 0.00 | 0.82 | 4.76 | 6.26 | 6.38 | 15.19 | 0.00 | 0.00 | 1.41 | 0.40 | 0.00 | 0.00 | 0.57 | 0.48 | 0.24 | 0.59 | 0.00 | 0.11 | 0.25 | 0.45 | 0.40 | 0.85 | 0.00 | 0.00 | 0.05 | 0.775 | 0.044 | |
| 19 | Heung Yip Road | 1 | 1095 | 2.97 | 3.87 | 0.00 | 8.99 | 13.32 | 2.68 | 12.11 | 0.00 | 0.94 | 4.53 | 5.97 | 7.30 | 11.59 | 0.00 | 0.00 | 1.43 | 0.39 | 0.00 | 0.00 | 0.61 | 0.44 | 0.18 | 0.75 | 0.00 | 0.12 | 0.23 | 0.43 | 0.46 | 0.65 | 0.00 | 0.00 | 0.05 | 0.757 | 0.043 | |
| 20 | Yip Fat St | 1 | 480 | 2.93 | 3.43 | 0.00 | 8.79 | 15.20 | 0.00 | 16.57 | 0.00 | 0.89 | 4.14 | 5.45 | 11.10 | 17.62 | 0.00 | 0.00 | 1.63 | 0.38 | 0.00 | 0.00 | 0.60 | 0.50 | 0.00 | 1.03 | 0.00 | 0.12 | 0.21 | 0.39 | 0.69 | 0.98 | 0.00 | 0.00 | 0.06 | 0.878 | 0.050 | |
| 21 | Heung Yip Road | 1 | 615 | 3.04 | 4.21 | 0.00 | 8.38 | 13.84 | 0.00 | 8.62 | 0.00 | 0.83 | 4.84 | 4.25 | 8.67 | 13.75 | 0.00 | 0.00 | 1.59 | 0.40 | 0.00 | 0.00 | 0.57 | 0.45 | 0.00 | 0.54 | 0.00 | 0.11 | 0.25 | 0.31 | 0.54 | 0.77 | 0.00 | 0.00 | 0.06 | 0.720 | 0.040 | |
| 22 | Yip Fat St | 1 | 10 | 5.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.054 | 0.007 | |
| 23 | Yip Fat St | 1 | 365 | 2.97 | 3.87 | 0.00 | 10.27 | 16.66 | 0.00 | 14.53 | 0.00 | 0.94 | 5.44 | 7.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 0.39 | 0.00 | 0.00 | 0.70 | 0.55 | 0.00 | 0.90 | 0.00 | 0.12 | 0.28 | 0.51 | 0.00 | 0.00 | 0.00 | 0.04 | 0.629 | 0.035 | | |
| 24 | Heung Yip Road | 1 | 595 | 3.10 | 3.16 | 0.00 | 8.67 | 14.30 | 0.00 | 8.91 | 0.00 | 0.86 | 5.01 | 4.40 | 8.96 | 14.21 | 0.00 | 0.00 | 1.65 | 0.41 | 0.00 | 0.00 | 0.59 | 0.47 | 0.00 | 0.55 | 0.00 | 0.11 | 0.26 | 0.32 | 0.56 | 0.79 | 0.00 | 0.00 | 0.06 | 0.732 | 0.041 | |
| 25 | Heung Yip Road | 1 | 635 | 3.24 | 5.56 | 0.00 | 6.64 | 11.49 | 0.00 | 12.53 | 0.00 | 0.67 | 3.91 | 4.12 | 0.00 | 0.00 | 0.00 | 12.97 | 1.24 | 0.42 | 0.00 | 0.00 | 0.45 | 0.38 | 0.00 | 0.78 | 0.00 | 0.09 | 0.20 | 0.30 | 0.00 | 0.00 | 0.00 | 0.14 | 0.05 | 0.624 | 0.028 | |
| 26 | Heung Yip Road | 1 | 890 | 3.20 | 5.55 | 0.00 | 5.79 | 9.56 | 3.29 | 8.94 | 0.00 | 0.77 | 3.35 | 4.41 | 5.99 | 9.50 | 0.00 | 9.25 | 1.32 | 0.42 | 0.00 | 0.00 | 0.39 | 0.31 | 0.22 | 0.56 | 0.00 | 0.10 | 0.17 | 0.32 | 0.37 | 0.53 | 0.00 | 0.10 | 0.05 | 0.709 | 0.035 | |
| 27 | Heung Yip Road | 1 | 235 | 3.34 | 4.01 | 0.00 | 9.97 | 15.52 | 0.00 | 0.00 | 0.00 | 0.73 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.44 | 0.00 | 0.00 | 0.68 | 0.51 | 0.00 | 0.00 | 0.00 | 0.10 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.395 | 0.020 | | |
| 28 | Heung Yip Road | 1 | 400 | 2.98 | 3.53 | 0.00 | 7.03 | 12.16 | 0.00 | 13.26 | 0.00 | 0.85 | 4.97 | 6.54 | 13.32 | 21.14 | 0.00 | 0.00 | 1.96 | 0.39 | 0.00 | 0.00 | 0.48 | 0.40 | 0.00 | 0.83 | 0.00 | 0.11 | 0.26 | 0.47 | 0.83 | 1.18 | 0.00 | 0.00 | 0.07 | 0.877 | 0.050 | |
| 29 | Heung Yip Road | 1 | 435 | 2.93 | 3.79 | 0.00 | 8.62 | 13.98 | 0.00 | 12.19 | 0.00 | 0.79 | 4.57 | 6.01 | 12.25 | 19.44 | 0.00 | 0.00 | 1.80 | 0.38 | 0.00 | 0.00 | 0.58 | 0.46 | 0.00 | 0.76 | 0.00 | 0.10 | 0.24 | 0.43 | 0.77 | 1.08 | 0.00 | 0.00 | 0.07 | 0.864 | 0.049 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 548.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.12 | 0.00 | 5.839 | 0.108 | | | |
| 31 | Nam Long Shan Road | 1 | 1045 | 3.08 | 8.56 | 0.00 | 2.69 | 3.49 | 0.00 | 5.07 | 2.01 | 0.49 | 2.85 | 3.75 | 5.10 | 12.14 | 15.55 | 35.46 | 0.75 | 0.40 | 0.00 | 0.00 | 0.18 | 0.11 | 0.00 | 0.32 | 0.27 | 0.06 | 0.15 | 0.27 | 0.32 | 0.68 | 0.12 | 0.40 | 0.03 | 1.010 | 0.033 | |
| 32 | Nam Long Shan Road | 1 | 1000 | 3.01 | 8.71 | 0.00 | 2.81 | 3.65 | 0.00 | 7.95 | 2.10 | 0.51 | 2.48 | 3.92 | 5.33 | 12.69 | 16.25 | 37.06 | 0.78 | 0.39 | 0.00 | 0.00 | 0.19 | 0.12 | 0.00 | 0.50 | 0.28 | 0.07 | 0.13 | 0.28 | 0.33 | 0.71 | 0.12 | 0.41 | 0.03 | 1.072 | 0.036 | |
| 33 | Welfare Road | 1 | 120 | 3.39 | 9.81 | 0.00 | 7.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.27 | 0.44 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.243 | 0.011 | | | |
| 34 | Welfare Road | 1 | 60 | 4.06 | 11.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.158 | 0.005 | | |
| 35 | Shum Wan Road | 1 | 445 | 2.07 | 13.22 | 0. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 11-12)

| Hour: 11-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|-----------|----------------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | |
| | | | | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | |
| 1 | Yip Hing St | 1 | 110 | 45 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 40.91 | 13.64 | 0.00 | 9.09 | 9.09 | 9.09 | 13.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | | | |
| 2 | Tong Bin Lane | 1 | 115 | 50 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 43.48 | 13.04 | 0.00 | 8.70 | 8.70 | 8.70 | 13.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 240 | 95 | 40 | 0 | 20 | 10 | 15 | 40 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 39.58 | 16.67 | 0.00 | 8.33 | 4.17 | 6.25 | 16.67 | 0.00 | 0.00 | 0.00 | 2.08 | 2.08 | 2.08 | 0.00 | 0.00 | 2.08 | | | |
| 4 | Yip Kan St | 1 | 300 | 120 | 45 | 0 | 30 | 20 | 15 | 45 | 0 | 5 | 0 | 5 | 5 | 0 | 5 | 40.00 | 15.00 | 0.00 | 10.00 | 6.67 | 5.00 | 15.00 | 0.00 | 1.67 | 0.00 | 1.67 | 1.67 | 1.67 | 0.00 | 0.00 | 1.67 | | | |
| 5 | Wong Chuk Hang Road | 2 | 1845 | 790 | 325 | 0 | 155 | 90 | 15 | 40 | 90 | 45 | 35 | 25 | 15 | 15 | 15 | 42.82 | 17.62 | 0.00 | 8.40 | 4.88 | 0.81 | 2.17 | 4.88 | 2.44 | 1.90 | 1.36 | 0.81 | 0.81 | 0.81 | 7.32 | 2.98 | | | |
| 6 | Wong Chuk Hang Road | 2 | 2095 | 900 | 365 | 5 | 180 | 105 | 15 | 45 | 105 | 45 | 40 | 25 | 15 | 15 | 155 | 42.96 | 17.42 | 0.24 | 8.59 | 5.01 | 0.72 | 2.15 | 5.01 | 2.15 | 1.91 | 1.19 | 0.72 | 0.72 | 0.72 | 7.40 | 3.10 | | | |
| 7 | Wong Chuk Hang Road | 2 | 900 | 280 | 135 | 0 | 55 | 35 | 5 | 10 | 100 | 20 | 20 | 20 | 10 | 10 | 10 | 31.11 | 15.00 | 0.00 | 6.11 | 3.89 | 0.56 | 1.11 | 11.11 | 2.22 | 2.22 | 2.22 | 1.11 | 1.11 | 1.11 | 18.89 | 2.22 | | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1220 | 575 | 230 | 0 | 115 | 65 | 15 | 30 | 25 | 25 | 25 | 10 | 10 | 10 | 5 | 47.13 | 18.85 | 0.00 | 9.43 | 5.33 | 1.23 | 2.46 | 2.05 | 2.05 | 0.82 | 0.82 | 0.82 | 0.41 | 2.87 | 3.69 | | | | |
| 9 | Wong Chuk Hang Road | 2 | 1345 | 680 | 245 | 0 | 50 | 25 | 10 | 30 | 35 | 20 | 20 | 15 | 15 | 20 | 25 | 50.56 | 18.22 | 0.00 | 3.72 | 1.86 | 0.74 | 2.23 | 2.60 | 1.49 | 1.49 | 1.12 | 1.12 | 1.49 | 1.86 | 10.78 | 0.74 | | | |
| 10 | Wong Chuk Hang Road | 2 | 1045 | 510 | 195 | 0 | 35 | 25 | 10 | 20 | 30 | 15 | 10 | 15 | 15 | 20 | 25 | 48.80 | 18.66 | 0.00 | 3.35 | 2.39 | 0.96 | 1.91 | 2.87 | 1.44 | 0.96 | 1.44 | 1.44 | 1.91 | 2.39 | 10.53 | 0.96 | | | |
| 11 | Wong Chuk Hang Road | 2 | 850 | 425 | 170 | 0 | 25 | 15 | 10 | 20 | 25 | 10 | 5 | 15 | 5 | 10 | 20 | 85 | 50.00 | 20.00 | 0.00 | 2.94 | 1.76 | 1.18 | 2.35 | 2.94 | 1.18 | 0.59 | 1.76 | 0.59 | 1.18 | 2.35 | 10.00 | 1.18 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1460 | 705 | 260 | 0 | 135 | 80 | 15 | 40 | 35 | 35 | 25 | 15 | 10 | 10 | 0 | 40 | 55 | 48.29 | 17.81 | 0.00 | 9.25 | 5.48 | 1.03 | 2.74 | 2.40 | 2.40 | 1.71 | 1.03 | 0.68 | 0.68 | 0.00 | 2.74 | 3.77 | |
| 13 | Wong Chuk Hang Road | 2 | 810 | 75 | 100 | 0 | 30 | 15 | 0 | 0 | 170 | 15 | 5 | 10 | 10 | 10 | 25 | 9.26 | 12.35 | 0.00 | 3.70 | 1.85 | 0.00 | 0.00 | 20.99 | 1.85 | 0.62 | 1.23 | 1.23 | 1.23 | 3.09 | 41.98 | 0.62 | | | |
| 14 | Wong Chuk Hang Road | 2 | 430 | 130 | 75 | 0 | 25 | 15 | 0 | 5 | 45 | 10 | 10 | 10 | 5 | 10 | 75 | 10 | 30.23 | 17.44 | 0.00 | 5.81 | 3.49 | 0.00 | 1.16 | 10.47 | 2.33 | 2.33 | 2.33 | 1.16 | 1.16 | 2.33 | 17.44 | 2.33 | | |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 810 | 325 | 5 | 160 | 95 | 15 | 40 | 95 | 45 | 35 | 25 | 15 | 15 | 10 | 40 | 55 | 42.97 | 17.24 | 0.27 | 8.49 | 5.04 | 0.80 | 2.12 | 5.04 | 2.39 | 1.86 | 1.33 | 0.80 | 0.53 | 7.43 | 2.92 | | |
| 16 | Nam Long Shan Road | 1 | 1225 | 560 | 220 | 0 | 45 | 25 | 10 | 20 | 65 | 25 | 25 | 20 | 15 | 20 | 25 | 45.71 | 17.96 | 0.00 | 3.67 | 2.04 | 0.82 | 1.63 | 5.31 | 2.04 | 2.04 | 1.63 | 1.22 | 1.63 | 2.04 | 10.20 | 2.04 | | | |
| 17 | Heung Yip Road | 1 | 675 | 355 | 55 | 0 | 70 | 40 | 5 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 30 | 52.59 | 8.15 | 0.00 | 10.37 | 5.93 | 0.74 | 2.22 | 0.00 | 5.93 | 4.44 | 2.22 | 1.48 | 1.48 | 0.00 | 0.00 | 4.44 | | |
| 18 | Heung Yip Road | 1 | 820 | 440 | 65 | 0 | 85 | 50 | 10 | 15 | 0 | 40 | 40 | 20 | 10 | 15 | 0 | 30 | 53.66 | 7.93 | 0.00 | 10.37 | 6.10 | 1.22 | 1.83 | 0.00 | 4.88 | 4.88 | 2.44 | 1.22 | 1.83 | 0.00 | 0.00 | 3.66 | | |
| 19 | Heung Yip Road | 1 | 1075 | 570 | 90 | 0 | 110 | 65 | 10 | 25 | 0 | 60 | 50 | 25 | 15 | 15 | 0 | 40 | 53.02 | 8.37 | 0.00 | 10.23 | 6.05 | 0.93 | 2.33 | 0.00 | 5.58 | 4.65 | 2.33 | 1.40 | 1.40 | 0.00 | 0.00 | 3.72 | | |
| 20 | Yip Fat St | 1 | 490 | 255 | 40 | 0 | 50 | 30 | 5 | 15 | 0 | 25 | 20 | 10 | 10 | 10 | 0 | 20 | 52.04 | 8.16 | 0.00 | 10.20 | 6.12 | 1.02 | 3.06 | 0.00 | 5.10 | 4.08 | 2.04 | 2.04 | 2.04 | 0.00 | 0.00 | 4.08 | | |
| 21 | Heung Yip Road | 1 | 595 | 320 | 55 | 0 | 60 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 25 | 53.78 | 9.24 | 0.00 | 10.08 | 5.88 | 0.00 | 1.68 | 0.00 | 5.04 | 5.04 | 1.68 | 1.68 | 1.68 | 0.00 | 0.00 | 4.20 | | |
| 22 | Yip Fat St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 365 | 190 | 30 | 0 | 40 | 25 | 0 | 10 | 0 | 20 | 20 | 10 | 5 | 5 | 0 | 10 | 52.05 | 8.22 | 0.00 | 10.96 | 6.85 | 0.00 | 2.74 | 0.00 | 5.48 | 5.48 | 2.74 | 1.37 | 1.37 | 0.00 | 0.00 | 2.74 | | |
| 24 | Heung Yip Road | 1 | 580 | 320 | 40 | 0 | 60 | 35 | 0 | 10 | 0 | 30 | 30 | 10 | 10 | 10 | 0 | 25 | 55.17 | 6.90 | 0.00 | 10.34 | 6.03 | 0.00 | 1.72 | 0.00 | 5.17 | 5.17 | 1.72 | 1.72 | 1.72 | 0.00 | 0.00 | 4.31 | | |
| 25 | Heung Yip Road | 1 | 635 | 365 | 75 | 0 | 50 | 30 | 5 | 15 | 0 | 25 | 25 | 10 | 5 | 5 | 0 | 20 | 57.48 | 11.81 | 0.00 | 7.87 | 4.72 | 0.79 | 2.36 | 0.00 | 3.94 | 3.94 | 1.57 | 0.79 | 0.79 | 0.00 | 0.79 | 3.15 | | |
| 26 | Heung Yip Road | 1 | 855 | 490 | 100 | 0 | 60 | 40 | 10 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 30 | 57.31 | 11.70 | 0.00 | 7.02 | 4.68 | 1.17 | 1.75 | 0.00 | 4.68 | 3.51 | 1.75 | 1.17 | 1.17 | 0.00 | 0.58 | 3.51 | | |
| 27 | Heung Yip Road | 1 | 235 | 135 | 20 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 0 | 10 | 57.45 | 8.51 | 0.00 | 10.64 | 6.38 | 0.00 | 2.13 | 0.00 | 4.26 | 4.26 | 2.13 | 0.00 | 0.00 | 0.00 | 0.00 | 4.26 | | |
| 28 | Heung Yip Road | 1 | 370 | 200 | 30 | 0 | 30 | 20 | 0 | 10 | 0 | 20 | 20 | 10 | 5 | 5 | 0 | 20 | 54.05 | 8.11 | 0.00 | 8.11 | 5.41 | 0.00 | 2.70 | 0.00 | 5.41 | 5.41 | 2.70 | 1.35 | 1.35 | 0.00 | 0.00 | 5.41 | | |
| 29 | Heung Yip Road | 1 | 430 | 225 | 35 | 0 | 40 | 30 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 20 | 52.33 | 8.14 | 0.00 | 9.30 | 6.98 | 0.00 | 2.33 | 0.00 | 4.65 | 4.65 | 2.33 | 2.33 | 2.33 | 0.00 | 0.00 | 4.65 | | |
| 30 | Nam Long Shan Road | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 995 | 555 | 165 | 0 | 35 | 20 | 5 | 10 | 20 | 30 | 30 | 15 | 10 | 15 | 15 | 50 | 20 | 55.78 | 16.58 | 0.00 | 3.52 | 2.01 | 0.50 | 1.01 | 2.01 | 3.02 | 3.02 | 1.51 | 1.01 | 1.51 | 5.03 | 2.01 | | |
| 32 | Nam Long Shan Road | 1 | 965 | 525 | 165 | 0 | 35 | 20 | 5 | 15 | 20 | 30 | 25 | 15 | 10 | 15 | 15 | 50 | 20 | 54.40 | 17.10 | 0.00 | 3.63 | 2.07 | 0.52 | 1.55 | 2.07 | 3.11 | 2.59 | 1.55 | 1.04 | 1.55 | 5.18 | 2.07 | | |
| 33 | Welfare Road | 1 | 115 | 70 | 25 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 60.87 | 21.74 | 0.00 | 8.70 | 4.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | | | |
| 34 | Welfare Road | 1 | 75 | 50 | 15 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 20.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35 | Shum Wan Road | 1 | 465 | 190 | 115 | 0 | 15 | 10 | 0 | 0 | 20 | 20 | 15 | 10 | 10 | 15 | 20 | 10 | 40.86 | 24.73 | 0.00 | 3.23 | 2.15 | 0.00 | 0.00 | 4.30 | 4.30 | 3.23 | 2.15 | 2.15 | 3.23 | 3.23 | 4.30 | 2.15 | | |
| 36 | Shum Wan Road | 1 | 555 | 210 | 150 | 0 | 20 | 10 | 0 | 0 | 25 | 20 | 20 | 15 | 10 | 15 | 25 | 10 | 37.84 | 27.03 | 0.00 | 3.60 | 1.80 | 0.00 | 0.00 | 4.50 | 3.60 | 3.60 | 2.70 | 1.80 | 2.70 | 4.50 | 4.50 | 1.80 | | |
| 37 | Shum Wan Pier Drive | 1 | 110 | 50 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 45.45 | 13.64 | 0.00 | 4.55 | 4.55 | 0.00 | 0.00 | 4.55 | 4.55 | 4.55 | 0.00 | 4.55 | 0.00 | 4.55 | 0.00 | 4.55 | 4.55 | | |
| 38 | Nam Long Shan Road | 1 | 1065 | 570 | 200 | 0 | 40 | 20 | 5 | 15 | 20 | 30 | 30 | 15 | 10 | 15 | 25 | 50 | 20 | 53.52 | 18.78 | 0.00 | 3.76 | 1.88 | 0.47 | 1.41 | 1.88 | 2.82 | 2.82 | 1.41 | 0.94 | 1.41 | 2.35 | 4.69 | 1.88 | |
| 39 | Nam Long Shan Road | 1 | 180 | 115 | 30 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 63.89 | 16.67 | 0.00 | 2.78 | 2.78 | 0.00 | 0.00 | 2.78 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 2.78 | | |
| 40 | Nam Long Shan Road | 1 | 230 | 155 | 30 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 67.39 | 13.04 | 0.00 | 4.35 | 2.17 | 0.00 | 0.00 | 2.17 | 2.17 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.35 | 2.17 | | |
| 41 | Police School Road | 1 | 1020 | 550 | 195 | 0 | 35 | 15 | 0 | 10 | 20 | 30 | 30 | 15 | 10 | 15 | 25 | 50 | 20 | 53.92 | 19.12 | 0.00 | 3.43 | 1.47 | 0.00 | 0.98 | 1.96 | 2.94 | 2.94 | 1.47 | 0.98 | 1.47 | 2.45 | 4.90 | 1.96 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 11-12)

Emission Factor Calculations (Hour: 00-01)

| Hour: 11-12 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 110 | 2.21 | 6.40 | 0.00 | 8.51 | 21.94 | 27.07 | 71.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 0.29 | 0.00 | 0.00 | 0.58 | 0.72 | 1.85 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.399 | 0.080 | |
| 2 | Tong Bin Lane | 1 | 115 | 2.35 | 6.12 | 0.00 | 8.14 | 20.99 | 25.89 | 68.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 0.31 | 0.00 | 0.00 | 0.55 | 0.69 | 1.77 | 4.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.340 | 0.077 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 240 | 2.14 | 7.82 | 0.00 | 7.80 | 10.06 | 18.61 | 87.97 | 0.00 | 0.00 | 0.00 | 5.42 | 11.08 | 17.53 | 0.00 | 0.00 | 0.81 | 0.28 | 0.00 | 0.00 | 0.53 | 0.33 | 1.27 | 5.46 | 0.00 | 0.00 | 0.39 | 0.69 | 0.98 | 0.00 | 0.00 | 0.03 | 1.692 | 0.100 | |
| 4 | Yip Kan St | 1 | 300 | 2.16 | 7.04 | 0.00 | 9.36 | 16.09 | 14.89 | 79.17 | 0.00 | 0.28 | 0.00 | 4.34 | 8.87 | 14.03 | 0.00 | 0.00 | 0.65 | 0.28 | 0.00 | 0.00 | 0.63 | 0.53 | 1.02 | 4.92 | 0.00 | 0.04 | 0.00 | 0.31 | 0.56 | 0.78 | 0.00 | 0.00 | 0.03 | 1.569 | 0.091 |
| 5 | Wong Chuk Hang Road | 2 | 1845 | 1.90 | 6.92 | 0.00 | 6.45 | 8.60 | 1.85 | 8.55 | 4.80 | 0.34 | 1.55 | 2.49 | 3.05 | 4.83 | 4.66 | 43.34 | 1.02 | 0.17 | 0.00 | 0.00 | 0.38 | 0.23 | 0.09 | 0.40 | 0.37 | 0.03 | 0.07 | 0.17 | 0.19 | 0.22 | 0.03 | 0.42 | 0.02 | 1.004 | 0.028 |
| 6 | Wong Chuk Hang Road | 2 | 2095 | 1.90 | 6.84 | 0.14 | 6.60 | 8.83 | 1.63 | 8.47 | 4.93 | 0.30 | 1.56 | 2.20 | 2.68 | 4.25 | 4.10 | 43.82 | 1.07 | 0.17 | 0.00 | 0.00 | 0.39 | 0.23 | 0.08 | 0.39 | 0.38 | 0.03 | 0.07 | 0.15 | 0.16 | 0.19 | 0.03 | 0.42 | 0.02 | 0.993 | 0.027 |
| 7 | Wong Chuk Hang Road | 2 | 900 | 1.38 | 5.89 | 0.00 | 4.69 | 6.85 | 1.27 | 4.38 | 10.92 | 0.31 | 1.82 | 4.09 | 4.17 | 6.60 | 6.36 | 111.87 | 0.76 | 0.13 | 0.00 | 0.00 | 0.28 | 0.18 | 0.06 | 0.20 | 0.84 | 0.03 | 0.08 | 0.28 | 0.26 | 0.30 | 0.05 | 1.08 | 0.01 | 1.714 | 0.038 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1220 | 1.68 | 5.89 | 0.00 | 6.79 | 7.39 | 2.27 | 8.01 | 2.18 | 0.24 | 1.55 | 1.15 | 2.34 | 3.72 | 1.90 | 14.23 | 1.25 | 0.09 | 0.00 | 0.00 | 0.24 | 0.19 | 0.08 | 0.28 | 0.11 | 0.01 | 0.07 | 0.10 | 0.19 | 0.18 | 0.02 | 0.15 | 0.02 | 0.606 | 0.017 |
| 9 | Wong Chuk Hang Road | 2 | 1345 | 2.24 | 7.16 | 0.00 | 2.85 | 3.28 | 1.69 | 8.80 | 2.56 | 0.21 | 1.22 | 2.05 | 4.18 | 8.84 | 10.64 | 63.85 | 0.26 | 0.21 | 0.00 | 0.00 | 0.17 | 0.09 | 0.08 | 0.41 | 0.20 | 0.02 | 0.05 | 0.14 | 0.26 | 0.40 | 0.08 | 0.62 | 0.00 | 1.198 | 0.027 |
| 10 | Wong Chuk Hang Road | 2 | 1045 | 2.16 | 7.33 | 0.00 | 2.57 | 4.22 | 2.18 | 7.55 | 2.82 | 0.20 | 0.78 | 2.64 | 5.38 | 11.37 | 13.70 | 62.34 | 0.33 | 0.20 | 0.00 | 0.00 | 0.15 | 0.11 | 0.11 | 0.35 | 0.22 | 0.02 | 0.03 | 0.18 | 0.33 | 0.52 | 0.10 | 0.60 | 0.01 | 1.256 | 0.029 |
| 11 | Wong Chuk Hang Road | 2 | 850 | 2.22 | 7.86 | 0.00 | 2.26 | 3.11 | 2.68 | 9.28 | 2.89 | 0.17 | 0.48 | 3.25 | 2.21 | 6.99 | 13.48 | 59.23 | 0.40 | 0.20 | 0.00 | 0.00 | 0.13 | 0.08 | 0.13 | 0.43 | 0.22 | 0.02 | 0.02 | 0.22 | 0.14 | 0.32 | 0.10 | 0.57 | 0.01 | 1.165 | 0.026 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1460 | 1.72 | 5.56 | 0.00 | 6.66 | 7.60 | 1.89 | 8.92 | 2.55 | 0.28 | 1.30 | 1.44 | 1.96 | 3.11 | 0.00 | 13.59 | 1.28 | 0.09 | 0.00 | 0.00 | 0.24 | 0.19 | 0.07 | 0.31 | 0.13 | 0.02 | 0.06 | 0.13 | 0.16 | 0.15 | 0.00 | 0.14 | 0.02 | 0.579 | 0.017 |
| 13 | Wong Chuk Hang Road | 2 | 810 | 0.41 | 4.85 | 0.00 | 2.84 | 3.26 | 0.00 | 0.00 | 20.64 | 0.26 | 0.51 | 2.27 | 4.63 | 7.34 | 17.68 | 248.60 | 0.21 | 0.04 | 0.00 | 0.00 | 0.17 | 0.09 | 0.00 | 0.00 | 1.58 | 0.03 | 0.02 | 0.16 | 0.28 | 0.33 | 0.13 | 2.41 | 0.00 | 3.135 | 0.052 |
| 14 | Wong Chuk Hang Road | 2 | 430 | 1.34 | 6.85 | 0.00 | 4.46 | 6.15 | 0.00 | 4.59 | 10.29 | 0.33 | 1.91 | 4.28 | 4.36 | 6.91 | 13.32 | 103.30 | 0.80 | 0.12 | 0.00 | 0.00 | 0.26 | 0.16 | 0.00 | 0.21 | 0.79 | 0.03 | 0.08 | 0.30 | 0.27 | 0.31 | 0.10 | 1.00 | 0.02 | 1.689 | 0.037 |
| 15 | Wong Chuk Hang Road | 2 | 1885 | 1.90 | 6.77 | 0.15 | 6.52 | 8.88 | 1.81 | 8.37 | 4.96 | 0.34 | 1.52 | 2.44 | 2.98 | 4.73 | 3.04 | 43.99 | 1.00 | 0.17 | 0.00 | 0.01 | 0.39 | 0.23 | 0.09 | 0.39 | 0.38 | 0.03 | 0.07 | 0.17 | 0.18 | 0.21 | 0.02 | 0.43 | 0.02 | 0.994 | 0.028 |
| 16 | Nam Long Shan Road | 1 | 1225 | 2.47 | 8.42 | 0.00 | 3.44 | 4.93 | 2.43 | 8.62 | 5.53 | 0.35 | 2.02 | 4.25 | 6.51 | 13.74 | 16.55 | 83.92 | 0.80 | 0.32 | 0.00 | 0.00 | 0.23 | 0.16 | 0.17 | 0.54 | 0.75 | 0.05 | 0.10 | 0.31 | 0.41 | 0.76 | 0.13 | 0.94 | 0.03 | 1.640 | 0.049 |
| 17 | Heung Yip Road | 1 | 675 | 2.84 | 3.82 | 0.00 | 9.70 | 14.30 | 2.21 | 11.73 | 0.00 | 1.01 | 4.40 | 5.79 | 7.88 | 12.47 | 0.00 | 0.00 | 1.73 | 0.37 | 0.00 | 0.00 | 0.66 | 0.47 | 0.15 | 0.73 | 0.00 | 0.13 | 0.23 | 0.42 | 0.49 | 0.69 | 0.00 | 0.00 | 0.07 | 0.779 | 0.044 |
| 18 | Heung Yip Road | 1 | 820 | 2.90 | 3.72 | 0.00 | 9.70 | 14.72 | 3.63 | 9.66 | 0.00 | 0.83 | 4.83 | 6.35 | 6.49 | 15.40 | 0.00 | 0.00 | 1.43 | 0.38 | 0.00 | 0.00 | 0.66 | 0.48 | 0.25 | 0.60 | 0.00 | 0.11 | 0.25 | 0.46 | 0.41 | 0.86 | 0.00 | 0.00 | 0.05 | 0.796 | 0.045 |
| 19 | Heung Yip Road | 1 | 1075 | 2.86 | 3.93 | 0.00 | 9.58 | 14.59 | 2.77 | 12.27 | 0.00 | 0.95 | 4.61 | 6.06 | 7.42 | 11.74 | 0.00 | 0.00 | 1.45 | 0.38 | 0.00 | 0.00 | 0.65 | 0.48 | 0.19 | 0.76 | 0.00 | 0.12 | 0.24 | 0.44 | 0.46 | 0.65 | 0.00 | 0.00 | 0.06 | 0.782 | 0.044 |
| 20 | Yip Fat St | 1 | 490 | 2.81 | 3.83 | 0.00 | 9.55 | 14.78 | 3.04 | 16.16 | 0.00 | 0.87 | 4.04 | 5.31 | 10.86 | 17.18 | 0.00 | 0.00 | 1.59 | 0.37 | 0.00 | 0.00 | 0.65 | 0.48 | 0.21 | 1.00 | 0.00 | 0.11 | 0.21 | 0.38 | 0.68 | 0.96 | 0.00 | 0.00 | 0.06 | 0.900 | 0.051 |
| 21 | Heung Yip Road | 1 | 595 | 2.90 | 4.34 | 0.00 | 9.44 | 14.20 | 0.00 | 8.87 | 0.00 | 0.86 | 4.99 | 4.38 | 8.94 | 14.14 | 0.00 | 0.00 | 1.64 | 0.38 | 0.00 | 0.00 | 0.64 | 0.46 | 0.00 | 0.55 | 0.00 | 0.11 | 0.26 | 0.31 | 0.56 | 0.79 | 0.00 | 0.00 | 0.06 | 0.747 | 0.041 |
| 22 | Yip Fat St | 1 | 5 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.054 | 0.007 |
| 23 | Yip Fat St | 1 | 365 | 2.81 | 3.86 | 0.00 | 10.26 | 16.53 | 0.00 | 14.46 | 0.00 | 0.93 | 5.43 | 7.13 | 7.29 | 11.53 | 0.00 | 0.00 | 1.07 | 0.37 | 0.00 | 0.00 | 0.69 | 0.54 | 0.00 | 0.90 | 0.00 | 0.12 | 0.28 | 0.51 | 0.46 | 0.64 | 0.00 | 0.00 | 0.04 | 0.813 | 0.046 |
| 24 | Heung Yip Road | 1 | 580 | 2.98 | 3.24 | 0.00 | 9.68 | 14.56 | 0.00 | 9.10 | 0.00 | 0.88 | 5.12 | 4.49 | 9.17 | 14.51 | 0.00 | 0.00 | 1.68 | 0.39 | 0.00 | 0.00 | 0.66 | 0.48 | 0.00 | 0.57 | 0.00 | 0.12 | 0.26 | 0.32 | 0.57 | 0.81 | 0.00 | 0.00 | 0.06 | 0.754 | 0.042 |
| 25 | Heung Yip Road | 1 | 635 | 3.10 | 5.54 | 0.00 | 7.37 | 11.40 | 2.34 | 12.47 | 0.00 | 0.67 | 3.90 | 4.10 | 4.19 | 6.63 | 0.00 | 6.48 | 1.23 | 0.41 | 0.00 | 0.00 | 0.50 | 0.37 | 0.16 | 0.77 | 0.00 | 0.09 | 0.20 | 0.29 | 0.26 | 0.37 | 0.00 | 0.07 | 0.05 | 0.694 | 0.035 |
| 26 | Heung Yip Road | 1 | 855 | 3.09 | 5.49 | 0.00 | 6.57 | 11.29 | 3.48 | 9.26 | 0.00 | 0.80 | 3.47 | 4.57 | 6.22 | 9.84 | 0.00 | 4.81 | 1.37 | 0.41 | 0.00 | 0.00 | 0.44 | 0.37 | 0.24 | 0.58 | 0.00 | 0.10 | 0.18 | 0.33 | 0.39 | 0.55 | 0.00 | 0.05 | 0.05 | 0.703 | 0.037 |
| 27 | Heung Yip Road | 1 | 235 | 3.10 | 3.99 | 0.00 | 9.96 | 15.41 | 0.00 | 11.23 | 0.00 | 0.72 | 4.21 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 0.41 | 0.00 | 0.00 | 0.67 | 0.50 | 0.00 | 0.70 | 0.00 | 0.10 | 0.22 | 0.40 | 0.00 | 0.00 | 0.00 | 0.06 | 0.558 | 0.031 | |
| 28 | Heung Yip Road | 1 | 370 | 2.92 | 3.80 | 0.00 | 7.59 | 13.05 | 0.00 | 14.27 | 0.00 | 0.92 | 5.35 | 7.04 | 7.19 | 11.37 | 0.00 | 0.00 | 2.11 | 0.38 | 0.00 | 0.00 | 0.51 | 0.43 | 0.00 | 0.89 | 0.00 | 0.12 | 0.28 | 0.51 | 0.45 | 0.63 | 0.00 | 0.00 | 0.08 | 0.756 | 0.043 |
| 29 | Heung Yip Road | 1 | 430 | 2.83 | 3.82 | 0.00 | 8.70 | 16.84 | 0.00 | 12.27 | 0.00 | 0.79 | 4.61 | 6.06 | 12.37 | 19.57 | 0.00 | 0.00 | 1.81 | 0.37 | 0.00 | 0.00 | 0.59 | 0.55 | 0.00 | 0.76 | 0.00 | 0.10 | 0.24 | 0.44 | 0.77 | 1.09 | 0.00 | 0.00 | 0.07 | 0.897 | 0.050 |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 548.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 5.830 | 0.108 | |
| 31 | Nam Long Shan Road | 1 | 995 | 3.01 | 7.78 | 0.00 | 3.29 | 4.85 | 1.50 | 5.30 | 2.10 | 0.51 | 2.99 | 3.93 | 5.35 | 12.69 | 12.23 | 41.33 | 0.78 | 0.39 | 0.00 | 0.00 | 0.22 | 0.16 | 0.10 | 0.33 | 0.28 | 0.07 | 0.15 | 0.28 | 0.33 | 0.71 | 0.09 | 0.46 | 0.03 | 1.076 | 0.036 |
| 32 | Nam Long Shan Road | 1 | 965 | 2.94 | 8.02 | 0.00 | 3.39 | 5.00 | 1.54 | 8.20 | 2.16 | 0.53 | 2.56 | 4.05 | 5.51 | 13.08 | 12.61 | 42.61 | 0.81 | 0.39 | 0.00 | 0.00 | 0.23 | 0.16 | 0.11 | 0.51 | 0.29 | 0.07 | 0.13 | 0.29 | 0.35 | 0.73 | 0.10 | 0.48 | 0.03 | 1.130 | 0.039 |
| 33 | Welfare Road | 1 | 115 | 3.29 | 10.20 | 0.00 | 8.14 | 10.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 0.43 | 0.00 | 0.00 | 0.55 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.338 | 0.014 | |
| 34 | Welfare Road | 1 | 75 | 3.60 | 9.38 | 0.00 | 6.24 | 16.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.42 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.353 | 0.014 |
| 35 | Shum Wan Road | 1 | 465 | 2.21 | 11.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 12-13)

Traffic (Hour: 12-13)

| Hour: 12-13 | | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
|-------------|---------------------------------|------|-----------|----------------|---------------------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | PC | | | | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 110 | 45 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 40.91 | 13.64 | 0.00 | 9.09 | 9.09 | 9.09 | 13.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | |
| 2 | Tong Bin Lane | 1 | 130 | 55 | 20 | 0 | 10 | 10 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 42.31 | 15.38 | 0.00 | 7.69 | 7.69 | 7.69 | 15.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 245 | 100 | 40 | 0 | 20 | 10 | 15 | 40 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 40.82 | 16.33 | 0.00 | 8.16 | 4.08 | 6.12 | 16.33 | 0.00 | 0.00 | 0.00 | 2.04 | 2.04 | 2.04 | 0.00 | 0.00 | 2.04 | | |
| 4 | Yip Kan St | 1 | 290 | 120 | 45 | 0 | 25 | 15 | 15 | 45 | 0 | 5 | 0 | 5 | 5 | 0 | 5 | 41.38 | 15.52 | 0.00 | 8.62 | 5.17 | 5.17 | 15.52 | 0.00 | 1.72 | 0.00 | 1.72 | 1.72 | 1.72 | 0.00 | 0.00 | 1.72 | | |
| 5 | Wong Chuk Hang Road | 2 | 1810 | 765 | 310 | 0 | 160 | 95 | 15 | 45 | 85 | 45 | 35 | 25 | 15 | 15 | 10 | 42.27 | 17.13 | 0.00 | 8.84 | 5.25 | 0.83 | 2.49 | 4.70 | 2.49 | 1.93 | 1.38 | 0.83 | 0.83 | 0.55 | 7.18 | 3.31 | | |
| 6 | Wong Chuk Hang Road | 2 | 2060 | 875 | 350 | 5 | 185 | 110 | 15 | 50 | 100 | 45 | 40 | 25 | 15 | 15 | 10 | 42.48 | 16.99 | 0.24 | 8.98 | 5.34 | 0.73 | 2.43 | 4.85 | 2.18 | 1.94 | 1.21 | 0.73 | 0.73 | 0.49 | 7.28 | 3.40 | | |
| 7 | Wong Chuk Hang Road | 2 | 885 | 265 | 135 | 0 | 60 | 35 | 5 | 10 | 95 | 20 | 20 | 20 | 10 | 10 | 10 | 29.94 | 15.25 | 0.00 | 6.78 | 3.95 | 0.56 | 1.13 | 10.73 | 2.26 | 2.26 | 2.26 | 1.13 | 1.13 | 1.13 | 19.21 | 2.26 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1200 | 565 | 215 | 0 | 120 | 70 | 15 | 35 | 25 | 25 | 10 | 10 | 10 | 0 | 30 | 47.08 | 17.92 | 0.00 | 10.00 | 5.83 | 1.25 | 2.92 | 2.08 | 2.08 | 0.83 | 0.83 | 0.83 | 0.00 | 2.50 | 3.75 | | | |
| 9 | Wong Chuk Hang Road | 2 | 1330 | 660 | 230 | 0 | 55 | 30 | 10 | 30 | 40 | 25 | 25 | 20 | 15 | 20 | 140 | 49.62 | 17.29 | 0.00 | 4.14 | 2.26 | 0.75 | 2.26 | 3.01 | 1.88 | 1.88 | 1.50 | 1.13 | 1.50 | 10.53 | 0.75 | | | |
| 10 | Wong Chuk Hang Road | 2 | 1015 | 490 | 180 | 0 | 40 | 25 | 10 | 20 | 30 | 20 | 15 | 15 | 20 | 20 | 105 | 48.28 | 17.73 | 0.00 | 3.94 | 2.46 | 0.99 | 1.97 | 2.96 | 1.97 | 1.48 | 1.48 | 1.48 | 1.97 | 10.34 | 0.99 | | | |
| 11 | Wong Chuk Hang Road | 2 | 830 | 410 | 155 | 0 | 30 | 20 | 10 | 20 | 25 | 15 | 10 | 15 | 5 | 10 | 80 | 49.40 | 18.67 | 0.00 | 3.61 | 2.41 | 1.20 | 2.41 | 3.01 | 1.81 | 1.20 | 1.81 | 0.60 | 1.20 | 1.81 | 9.64 | 1.20 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1445 | 690 | 250 | 0 | 140 | 85 | 15 | 45 | 35 | 35 | 25 | 15 | 10 | 10 | 0 | 35 | 55 | 47.75 | 17.30 | 0.00 | 9.69 | 5.88 | 1.04 | 3.11 | 2.42 | 2.42 | 1.73 | 1.04 | 0.69 | 0.69 | 0.00 | 2.42 | 3.81 |
| 13 | Wong Chuk Hang Road | 2 | 820 | 80 | 100 | 0 | 35 | 20 | 0 | 0 | 155 | 15 | 5 | 10 | 10 | 10 | 25 | 345 | 10 | 9.76 | 12.20 | 0.00 | 4.27 | 2.44 | 0.00 | 0.00 | 18.90 | 1.83 | 0.61 | 1.22 | 1.22 | 1.22 | 3.05 | 42.07 | 1.22 |
| 14 | Wong Chuk Hang Road | 2 | 425 | 125 | 75 | 0 | 25 | 15 | 0 | 5 | 45 | 10 | 10 | 10 | 5 | 10 | 75 | 10 | 29.41 | 17.65 | 0.00 | 5.88 | 3.53 | 0.00 | 1.18 | 10.59 | 2.35 | 2.35 | 2.35 | 1.18 | 1.18 | 2.35 | 17.65 | 2.35 | |
| 15 | Wong Chuk Hang Road | 2 | 1865 | 790 | 315 | 5 | 165 | 100 | 15 | 45 | 90 | 45 | 35 | 25 | 15 | 15 | 10 | 135 | 60 | 42.36 | 16.89 | 0.27 | 8.85 | 5.36 | 0.80 | 2.41 | 4.83 | 2.41 | 1.88 | 1.34 | 0.80 | 0.80 | 0.54 | 7.24 | 3.22 |
| 16 | Nam Long Shan Road | 1 | 1205 | 550 | 205 | 0 | 50 | 30 | 10 | 20 | 60 | 25 | 25 | 20 | 15 | 20 | 25 | 125 | 25 | 45.64 | 17.01 | 0.00 | 4.15 | 2.49 | 0.83 | 1.66 | 4.98 | 2.07 | 2.07 | 1.66 | 1.24 | 1.66 | 2.07 | 10.37 | 2.07 |
| 17 | Heung Yip Road | 1 | 650 | 335 | 55 | 0 | 75 | 45 | 5 | 15 | 0 | 35 | 25 | 15 | 10 | 10 | 0 | 25 | 51.54 | 8.46 | 0.00 | 11.54 | 6.92 | 0.77 | 2.31 | 0.00 | 5.38 | 3.85 | 2.31 | 1.54 | 1.54 | 0.00 | 0.00 | 3.85 | |
| 18 | Heung Yip Road | 1 | 800 | 420 | 65 | 0 | 90 | 55 | 10 | 15 | 0 | 40 | 35 | 20 | 10 | 15 | 0 | 25 | 52.50 | 8.13 | 0.00 | 11.25 | 6.88 | 1.25 | 1.88 | 0.00 | 5.00 | 4.38 | 2.50 | 1.25 | 1.88 | 0.00 | 0.00 | 3.13 | |
| 19 | Heung Yip Road | 1 | 1060 | 545 | 90 | 0 | 120 | 70 | 10 | 25 | 0 | 60 | 50 | 25 | 15 | 15 | 0 | 35 | 51.42 | 8.49 | 0.00 | 11.32 | 6.60 | 0.94 | 2.36 | 0.00 | 5.66 | 4.72 | 2.36 | 1.42 | 1.42 | 0.00 | 0.00 | 3.30 | |
| 20 | Yip Fat St | 1 | 485 | 245 | 40 | 0 | 55 | 35 | 5 | 15 | 0 | 25 | 20 | 10 | 10 | 10 | 0 | 15 | 50.52 | 8.25 | 0.00 | 11.34 | 7.22 | 1.03 | 3.09 | 0.00 | 5.15 | 4.12 | 2.06 | 2.06 | 2.06 | 0.00 | 0.00 | 3.09 | |
| 21 | Heung Yip Road | 1 | 555 | 300 | 50 | 0 | 60 | 35 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 10 | 0 | 20 | 54.05 | 9.01 | 0.00 | 10.81 | 6.31 | 0.00 | 1.80 | 0.00 | 4.50 | 4.50 | 1.80 | 1.80 | 0.00 | 0.00 | 3.60 | | |
| 22 | Yip Fat St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 355 | 180 | 30 | 0 | 45 | 25 | 0 | 10 | 0 | 20 | 15 | 10 | 5 | 5 | 0 | 10 | 50.70 | 8.45 | 0.00 | 12.68 | 7.04 | 0.00 | 2.82 | 0.00 | 5.63 | 4.23 | 2.82 | 1.41 | 1.41 | 0.00 | 0.00 | 2.82 | |
| 24 | Heung Yip Road | 1 | 540 | 295 | 40 | 0 | 60 | 35 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 10 | 0 | 20 | 54.63 | 7.41 | 0.00 | 11.11 | 6.48 | 0.00 | 1.85 | 0.00 | 4.63 | 4.63 | 1.85 | 1.85 | 0.00 | 0.00 | 3.70 | | |
| 25 | Heung Yip Road | 1 | 625 | 345 | 75 | 0 | 55 | 35 | 5 | 15 | 0 | 25 | 25 | 10 | 5 | 5 | 0 | 5 | 20 | 55.20 | 12.00 | 0.00 | 8.80 | 5.60 | 0.80 | 2.40 | 0.00 | 4.00 | 4.00 | 1.60 | 0.80 | 0.80 | 0.00 | 0.80 | 3.20 |
| 26 | Heung Yip Road | 1 | 825 | 460 | 100 | 0 | 65 | 40 | 10 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 5 | 25 | 55.76 | 12.12 | 0.00 | 7.88 | 4.85 | 1.21 | 1.82 | 0.00 | 4.85 | 3.64 | 1.82 | 1.21 | 1.21 | 0.00 | 0.61 | 3.03 |
| 27 | Heung Yip Road | 1 | 225 | 125 | 20 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 0 | 10 | 55.56 | 8.89 | 0.00 | 11.11 | 6.67 | 0.00 | 2.22 | 0.00 | 4.44 | 4.44 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 4.44 | |
| 28 | Heung Yip Road | 1 | 330 | 180 | 25 | 0 | 30 | 20 | 0 | 10 | 0 | 15 | 15 | 10 | 5 | 5 | 0 | 15 | 54.55 | 7.58 | 0.00 | 9.09 | 6.06 | 0.00 | 3.03 | 0.00 | 4.55 | 4.55 | 3.03 | 1.52 | 1.52 | 0.00 | 0.00 | 4.55 | |
| 29 | Heung Yip Road | 1 | 420 | 215 | 35 | 0 | 45 | 30 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 10 | 0 | 15 | 51.19 | 8.33 | 0.00 | 10.71 | 7.14 | 0.00 | 2.38 | 0.00 | 4.76 | 4.76 | 2.38 | 2.38 | 2.38 | 0.00 | 0.00 | 3.57 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 965 | 525 | 155 | 0 | 40 | 25 | 5 | 10 | 20 | 30 | 30 | 15 | 10 | 15 | 15 | 50 | 20 | 54.40 | 16.06 | 0.00 | 4.15 | 2.59 | 0.52 | 1.04 | 2.07 | 3.11 | 3.11 | 1.55 | 1.04 | 1.55 | 5.18 | 2.07 | |
| 32 | Nam Long Shan Road | 1 | 945 | 505 | 155 | 0 | 40 | 25 | 5 | 15 | 20 | 30 | 25 | 15 | 10 | 15 | 15 | 50 | 20 | 53.44 | 16.40 | 0.00 | 4.23 | 2.65 | 0.53 | 1.59 | 2.12 | 3.17 | 2.65 | 1.59 | 1.06 | 1.59 | 5.29 | 2.12 | |
| 33 | Welfare Road | 1 | 105 | 65 | 20 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 61.90 | 19.05 | 0.00 | 9.52 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | | |
| 34 | Welfare Road | 1 | 75 | 50 | 15 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 20.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 450 | 185 | 105 | 0 | 15 | 10 | 0 | 0 | 20 | 20 | 15 | 10 | 15 | 15 | 20 | 10 | 41.11 | 23.33 | 0.00 | 3.33 | 2.22 | 0.00 | 0.00 | 4.44 | 4.44 | 3.33 | 2.22 | 2.22 | 3.33 | 3.33 | 4.44 | 2.22 | |
| 36 | Shum Wan Road | 1 | 505 | 205 | 115 | 0 | 20 | 10 | 0 | 0 | 25 | 20 | 15 | 10 | 15 | 15 | 25 | 10 | 40.59 | 22.77 | 0.00 | 3.96 | 1.98 | 0.00 | 0.00 | 4.95 | 3.96 | 3.96 | 2.97 | 1.98 | 2.97 | 2.97 | 4.95 | 1.98 | |
| 37 | Shum Wan Pier Drive | 1 | 85 | 40 | 15 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 0 | 47.06 | 17.65 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 5.88 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 5.88 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 1000 | 540 | 165 | 0 | 45 | 25 | 5 | 15 | 20 | 30 | 30 | 15 | 10 | 15 | 15 | 50 | 20 | 54.00 | 16.50 | 0.00 | 4.50 | 2.50 | 0.50 | 1.50 | 2.00 | 3.00 | 3.00 | 1.50 | 1.50 | 1.50 | 5.00 | 2.00 | |
| 39 | Nam Long Shan Road | 1 | 165 | 105 | 25 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 63.64 | 15.15 | 0.00 | 3.03 | 3.03 | 0.00 | 0.00 | 0.00 | 3.03 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 | 6.06 | 3.03 | | |
| 40 | Nam Long Shan Road | 1 | 210 | 135 | 30 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 64.29 | 14.29 | 0.00 | 4.76 | 2.38 | 0.00 | 0.00 | 2.38 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 2.38 | | |
| 41 | Police School Road | 1 | 945 | 515 | 160 | 0 | 40 | 20 | 0 | 10 | 20 | 30 | 25 | 15 | 10 | 15 | 15 | 50 | 20 | 54.50 | 16.93 | 0.00 | 4.23 | 2.12 | 0.00 | 1.06 | 2.12 | 3.17 | 2.65 | 1.59 | 1.06 | 1.59 | 5.29 | 2.12 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 12-13)

Emission Factor Calculations (Hour: 00-01)

| Hour: 12-13 | | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | |
|-------------|---------------------------------|-----------|---|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 110 | 2.21 | 6.39 | 0.00 | 8.50 | 21.97 | 27.03 | 71.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 0.29 | 0.00 | 0.00 | 0.58 | 0.72 | 1.85 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.396 | 0.079 |
| 2 | Tong Bin Lane | 1 | 130 | 2.28 | 7.20 | 0.00 | 7.19 | 18.59 | 22.87 | 80.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.30 | 0.00 | 0.00 | 0.49 | 0.61 | 1.57 | 5.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 1.405 | 0.080 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 245 | 2.20 | 7.65 | 0.00 | 7.63 | 9.87 | 18.21 | 85.83 | 0.00 | 0.00 | 0.00 | 5.31 | 10.84 | 17.21 | 0.00 | 0.00 | 0.79 | 0.29 | 0.00 | 0.00 | 0.52 | 0.32 | 1.25 | 5.32 | 0.00 | 0.00 | 0.00 | 0.38 | 0.68 | 0.96 | 0.00 | 0.00 | 0.03 | 1.655 | 0.097 |
| 4 | Yip Kan St | 1 | 290 | 2.23 | 7.27 | 0.00 | 8.06 | 12.50 | 15.38 | 81.57 | 0.00 | 0.29 | 0.00 | 4.48 | 9.16 | 14.54 | 0.00 | 0.00 | 0.67 | 0.29 | 0.00 | 0.00 | 0.55 | 0.41 | 1.05 | 5.05 | 0.00 | 0.04 | 0.00 | 0.32 | 0.57 | 0.81 | 0.00 | 0.00 | 0.02 | 1.562 | 0.091 |
| 5 | Wong Chuk Hang Road | 2 | 1810 | 1.87 | 6.72 | 0.00 | 6.77 | 9.23 | 1.89 | 9.82 | 4.61 | 0.35 | 1.58 | 2.54 | 3.10 | 4.92 | 3.15 | 42.48 | 1.13 | 0.17 | 0.00 | 0.00 | 0.40 | 0.24 | 0.09 | 0.46 | 0.35 | 0.03 | 0.07 | 0.18 | 0.19 | 0.22 | 0.02 | 0.41 | 0.02 | 1.002 | 0.029 |
| 6 | Wong Chuk Hang Road | 2 | 2060 | 1.88 | 6.66 | 0.14 | 6.88 | 9.39 | 1.66 | 9.59 | 4.76 | 0.31 | 1.59 | 2.23 | 2.73 | 4.32 | 2.76 | 43.06 | 1.16 | 0.17 | 0.00 | 0.00 | 0.41 | 0.25 | 0.08 | 0.45 | 0.37 | 0.03 | 0.07 | 0.15 | 0.17 | 0.20 | 0.02 | 0.42 | 0.02 | 0.991 | 0.028 |
| 7 | Wong Chuk Hang Road | 2 | 885 | 1.33 | 5.98 | 0.00 | 5.19 | 6.96 | 1.29 | 4.46 | 10.53 | 0.32 | 1.85 | 4.15 | 4.23 | 6.71 | 6.43 | 113.60 | 0.77 | 0.12 | 0.00 | 0.00 | 0.31 | 0.18 | 0.06 | 0.21 | 0.81 | 0.03 | 0.08 | 0.29 | 0.26 | 0.31 | 0.05 | 1.10 | 0.01 | 1.738 | 0.038 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1200 | 1.67 | 5.59 | 0.00 | 7.20 | 8.08 | 2.30 | 9.49 | 2.21 | 0.24 | 1.58 | 1.16 | 2.38 | 3.78 | 0.00 | 12.39 | 1.27 | 0.09 | 0.00 | 0.00 | 0.25 | 0.20 | 0.08 | 0.33 | 0.11 | 0.01 | 0.07 | 0.10 | 0.19 | 0.18 | 0.00 | 0.13 | 0.02 | 0.593 | 0.018 |
| 9 | Wong Chuk Hang Road | 2 | 1330 | 2.20 | 6.78 | 0.00 | 3.17 | 3.97 | 1.71 | 8.91 | 2.95 | 0.26 | 1.54 | 2.76 | 4.22 | 8.93 | 8.56 | 62.25 | 0.26 | 0.20 | 0.00 | 0.00 | 0.19 | 0.10 | 0.09 | 0.41 | 0.23 | 0.03 | 0.07 | 0.19 | 0.26 | 0.41 | 0.06 | 0.60 | 0.00 | 1.185 | 0.028 |
| 10 | Wong Chuk Hang Road | 2 | 1015 | 2.14 | 6.96 | 0.00 | 3.02 | 4.33 | 2.24 | 7.78 | 2.90 | 0.28 | 1.21 | 2.72 | 5.54 | 11.70 | 11.22 | 61.18 | 0.34 | 0.20 | 0.00 | 0.00 | 0.18 | 0.11 | 0.11 | 0.36 | 0.22 | 0.03 | 0.05 | 0.19 | 0.34 | 0.53 | 0.08 | 0.59 | 0.01 | 1.235 | 0.030 |
| 11 | Wong Chuk Hang Road | 2 | 830 | 2.19 | 7.32 | 0.00 | 2.77 | 4.24 | 2.74 | 9.52 | 2.95 | 0.25 | 0.98 | 3.32 | 2.26 | 7.15 | 10.29 | 57.00 | 0.41 | 0.20 | 0.00 | 0.00 | 0.16 | 0.11 | 0.14 | 0.44 | 0.23 | 0.02 | 0.04 | 0.23 | 0.14 | 0.33 | 0.08 | 0.55 | 0.01 | 1.134 | 0.027 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1445 | 1.70 | 5.39 | 0.00 | 6.98 | 8.15 | 1.91 | 10.13 | 2.57 | 0.28 | 1.31 | 1.45 | 1.98 | 3.14 | 0.00 | 12.00 | 1.29 | 0.09 | 0.00 | 0.00 | 0.25 | 0.21 | 0.07 | 0.35 | 0.13 | 0.02 | 0.06 | 0.13 | 0.16 | 0.15 | 0.00 | 0.12 | 0.02 | 0.583 | 0.018 |
| 13 | Wong Chuk Hang Road | 2 | 820 | 0.43 | 4.78 | 0.00 | 3.27 | 4.29 | 0.00 | 0.00 | 18.54 | 0.26 | 0.50 | 2.24 | 4.57 | 7.24 | 17.36 | 248.82 | 0.42 | 0.04 | 0.00 | 0.00 | 0.19 | 0.11 | 0.00 | 0.00 | 1.42 | 0.03 | 0.02 | 0.16 | 0.28 | 0.33 | 0.13 | 2.41 | 0.01 | 3.127 | 0.051 |
| 14 | Wong Chuk Hang Road | 2 | 425 | 1.30 | 6.92 | 0.00 | 4.51 | 6.21 | 0.00 | 4.65 | 10.39 | 0.33 | 1.92 | 4.32 | 4.41 | 6.98 | 13.39 | 104.37 | 0.81 | 0.12 | 0.00 | 0.00 | 0.27 | 0.16 | 0.00 | 0.22 | 0.80 | 0.03 | 0.08 | 0.30 | 0.27 | 0.32 | 0.10 | 1.01 | 0.02 | 1.705 | 0.037 |
| 15 | Wong Chuk Hang Road | 2 | 1865 | 1.88 | 6.62 | 0.15 | 6.78 | 9.43 | 1.83 | 9.53 | 4.73 | 0.34 | 1.53 | 2.46 | 3.01 | 4.77 | 3.05 | 42.81 | 1.10 | 0.17 | 0.00 | 0.01 | 0.40 | 0.25 | 0.09 | 0.44 | 0.36 | 0.03 | 0.07 | 0.17 | 0.18 | 0.22 | 0.02 | 0.41 | 0.02 | 1.000 | 0.029 |
| 16 | Nam Long Shan Road | 1 | 1205 | 2.46 | 7.97 | 0.00 | 3.88 | 6.02 | 2.47 | 8.73 | 5.18 | 0.35 | 2.05 | 4.32 | 6.61 | 14.00 | 16.81 | 85.23 | 0.81 | 0.32 | 0.00 | 0.00 | 0.26 | 0.20 | 0.17 | 0.54 | 0.70 | 0.05 | 0.11 | 0.31 | 0.41 | 0.78 | 0.13 | 0.96 | 0.03 | 1.669 | 0.050 |
| 17 | Heung Yip Road | 1 | 650 | 2.78 | 3.96 | 0.00 | 10.79 | 16.73 | 2.29 | 12.13 | 0.00 | 0.91 | 3.80 | 6.00 | 8.17 | 12.98 | 0.00 | 0.00 | 1.50 | 0.36 | 0.00 | 0.00 | 0.73 | 0.55 | 0.16 | 0.75 | 0.00 | 0.12 | 0.20 | 0.43 | 0.51 | 0.73 | 0.00 | 0.00 | 0.06 | 0.820 | 0.046 |
| 18 | Heung Yip Road | 1 | 800 | 2.83 | 3.81 | 0.00 | 10.52 | 16.62 | 3.72 | 9.86 | 0.00 | 0.85 | 4.32 | 6.50 | 6.64 | 15.81 | 0.00 | 0.00 | 1.22 | 0.37 | 0.00 | 0.00 | 0.71 | 0.54 | 0.25 | 0.61 | 0.00 | 0.11 | 0.23 | 0.47 | 0.42 | 0.88 | 0.00 | 0.00 | 0.04 | 0.827 | 0.046 |
| 19 | Heung Yip Road | 1 | 1060 | 2.77 | 3.98 | 0.00 | 10.59 | 15.96 | 2.81 | 12.40 | 0.00 | 0.96 | 4.66 | 6.13 | 7.52 | 11.94 | 0.00 | 0.00 | 1.29 | 0.36 | 0.00 | 0.00 | 0.72 | 0.52 | 0.19 | 0.77 | 0.00 | 0.13 | 0.24 | 0.44 | 0.47 | 0.67 | 0.00 | 0.00 | 0.05 | 0.810 | 0.046 |
| 20 | Yip Fat St | 1 | 485 | 2.72 | 3.86 | 0.00 | 10.60 | 17.44 | 3.07 | 16.26 | 0.00 | 0.87 | 4.08 | 5.36 | 10.96 | 17.39 | 0.00 | 0.00 | 1.20 | 0.36 | 0.00 | 0.00 | 0.72 | 0.57 | 0.21 | 1.01 | 0.00 | 0.11 | 0.21 | 0.39 | 0.69 | 0.97 | 0.00 | 0.00 | 0.04 | 0.938 | 0.053 |
| 21 | Heung Yip Road | 1 | 555 | 2.91 | 4.22 | 0.00 | 10.11 | 15.24 | 0.00 | 9.47 | 0.00 | 0.76 | 4.45 | 4.69 | 9.57 | 15.20 | 0.00 | 0.00 | 1.40 | 0.38 | 0.00 | 0.00 | 0.69 | 0.50 | 0.00 | 0.59 | 0.00 | 0.10 | 0.23 | 0.34 | 0.60 | 0.85 | 0.00 | 0.00 | 0.05 | 0.780 | 0.043 |
| 22 | Yip Fat St | 1 | 5 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.054 | 0.007 |
| 23 | Yip Fat St | 1 | 355 | 2.73 | 3.96 | 0.00 | 11.85 | 17.02 | 0.00 | 14.81 | 0.00 | 0.95 | 4.18 | 7.33 | 7.48 | 11.88 | 0.00 | 0.00 | 1.10 | 0.36 | 0.00 | 0.00 | 0.80 | 0.56 | 0.00 | 0.92 | 0.00 | 0.13 | 0.22 | 0.53 | 0.47 | 0.66 | 0.00 | 0.00 | 0.04 | 0.833 | 0.047 |
| 24 | Heung Yip Road | 1 | 540 | 2.95 | 3.47 | 0.00 | 10.39 | 15.67 | 0.00 | 9.73 | 0.00 | 0.78 | 4.58 | 4.82 | 9.84 | 15.62 | 0.00 | 0.00 | 1.44 | 0.39 | 0.00 | 0.00 | 0.71 | 0.51 | 0.00 | 0.60 | 0.00 | 0.10 | 0.24 | 0.35 | 0.62 | 0.87 | 0.00 | 0.00 | 0.05 | 0.793 | 0.044 |
| 25 | Heung Yip Road | 1 | 625 | 2.98 | 5.62 | 0.00 | 8.23 | 13.53 | 2.38 | 12.62 | 0.00 | 0.68 | 3.95 | 4.16 | 4.25 | 6.75 | 0.00 | 6.57 | 1.25 | 0.39 | 0.00 | 0.00 | 0.56 | 0.44 | 0.16 | 0.78 | 0.00 | 0.09 | 0.21 | 0.30 | 0.27 | 0.38 | 0.00 | 0.07 | 0.05 | 0.730 | 0.037 |
| 26 | Heung Yip Road | 1 | 825 | 3.01 | 5.68 | 0.00 | 7.37 | 11.72 | 3.60 | 9.56 | 0.00 | 0.82 | 3.59 | 4.73 | 6.44 | 10.22 | 0.00 | 4.98 | 1.18 | 0.39 | 0.00 | 0.00 | 0.50 | 0.38 | 0.25 | 0.59 | 0.00 | 0.11 | 0.19 | 0.34 | 0.40 | 0.57 | 0.00 | 0.06 | 0.04 | 0.729 | 0.038 |
| 27 | Heung Yip Road | 1 | 225 | 3.00 | 4.16 | 0.00 | 10.39 | 16.11 | 0.00 | 11.68 | 0.00 | 0.75 | 4.39 | 5.78 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 0.39 | 0.00 | 0.00 | 0.71 | 0.53 | 0.00 | 0.72 | 0.00 | 0.10 | 0.23 | 0.42 | 0.00 | 0.00 | 0.00 | 0.06 | 0.580 | 0.032 | |
| 28 | Heung Yip Road | 1 | 330 | 2.94 | 3.55 | 0.00 | 8.50 | 14.65 | 0.00 | 15.93 | 0.00 | 0.77 | 4.49 | 7.88 | 8.05 | 12.78 | 0.00 | 0.00 | 1.77 | 0.39 | 0.00 | 0.00 | 0.58 | 0.48 | 0.00 | 0.99 | 0.00 | 0.10 | 0.23 | 0.57 | 0.50 | 0.71 | 0.00 | 0.00 | 0.07 | 0.813 | 0.046 |
| 29 | Heung Yip Road | 1 | 420 | 2.76 | 3.90 | 0.00 | 10.02 | 17.26 | 0.00 | 12.52 | 0.00 | 0.81 | 4.71 | 6.19 | 12.65 | 20.08 | 0.00 | 0.00 | 1.39 | 0.36 | 0.00 | 0.00 | 0.68 | 0.56 | 0.00 | 0.78 | 0.00 | 0.11 | 0.25 | 0.45 | 0.79 | 1.12 | 0.00 | 0.00 | 0.05 | 0.923 | 0.051 |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 547.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.15 | 0.00 | 5.825 | 0.108 | |
| 31 | Nam Long Shan Road | 1 | 965 | 2.93 | 7.52 | 0.00 | 3.88 | 6.26 | 1.54 | 5.45 | 2.16 | 0.53 | 3.07 | 4.04 | 5.51 | 13.11 | 12.60 | 42.57 | 0.81 | 0.38 | 0.00 | 0.00 | 0.26 | 0.20 | 0.11 | 0.34 | 0.29 | 0.07 | 0.16 | 0.29 | 0.35 | 0.73 | 0.10 | 0.48 | 0.03 | 1.120 | 0.038 |
| 32 | Nam Long Shan Road | 1 | 945 | 2.88 | 7.68 | 0.00 | 3.96 | 6.39 | 1.57 | 8.34 | 2.20 | 0.54 | 2.61 | 4.13 | 5.62 | 13.39 | 12.86 | 43.47 | 0.82 | 0.38 | 0.00 | 0.00 | 0.27 | 0.21 | 0.11 | 0.52 | 0.30 | 0.07 | 0.14 | 0.30 | 0.35 | 0.75 | 0.10 | 0.49 | 0.03 | 1.165 | 0.040 |
| 33 | Welfare Road | 1 | 105 | 3.34 | 8.92 | 0.00 | 8.91 | 11.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 0.44 | 0.00 | 0.00 | 0.60 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.345 | 0.015 | |
| 34 | Welfare Road | 1 | 75 | 3.59 | 9.37 | 0.00 | 6.23 | 16.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.42 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.353 | 0.014 |
| 35 | Shum Wan Road | 1</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 13-14)

Traffic (Hour: 13-14)

| Hour: 13-14 | | Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | |
|-------------|---------------------------------|----------|------|-----------|----------------|---------------------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PC | Taxi | | | | | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 110 | 45 | 15 | 0 | 10 | 10 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 40.91 | 13.64 | 0.00 | 9.09 | 9.09 | 9.09 | 13.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | |
| 2 | Tong Bin Lane | 1 | 135 | 60 | 20 | 0 | 10 | 10 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 44.44 | 14.81 | 0.00 | 7.41 | 7.41 | 7.41 | 14.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 250 | 105 | 40 | 0 | 20 | 10 | 15 | 40 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 42.00 | 16.00 | 0.00 | 8.00 | 4.00 | 6.00 | 16.00 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.00 | 0.00 | 2.00 | | |
| 4 | Yip Kan St | 1 | 290 | 120 | 45 | 0 | 25 | 15 | 15 | 45 | 0 | 5 | 0 | 5 | 5 | 0 | 5 | 41.38 | 15.52 | 0.00 | 8.62 | 5.17 | 5.17 | 15.52 | 0.00 | 1.72 | 0.00 | 1.72 | 1.72 | 1.72 | 0.00 | 0.00 | 1.72 | | |
| 5 | Wong Chuk Hang Road | 2 | 1775 | 745 | 295 | 0 | 160 | 95 | 15 | 45 | 85 | 45 | 35 | 25 | 15 | 15 | 10 | 41.97 | 16.62 | 0.00 | 9.01 | 5.35 | 0.85 | 2.54 | 4.79 | 2.54 | 1.97 | 1.41 | 0.85 | 0.85 | 0.56 | 7.32 | 3.38 | | |
| 6 | Wong Chuk Hang Road | 2 | 2035 | 855 | 335 | 5 | 195 | 110 | 15 | 50 | 100 | 45 | 40 | 25 | 15 | 15 | 10 | 42.01 | 16.46 | 0.25 | 9.58 | 5.41 | 0.74 | 2.46 | 4.91 | 2.21 | 1.97 | 1.23 | 0.74 | 0.74 | 0.49 | 7.37 | 3.44 | | |
| 7 | Wong Chuk Hang Road | 2 | 865 | 245 | 135 | 0 | 60 | 35 | 5 | 10 | 95 | 20 | 20 | 20 | 10 | 10 | 10 | 28.32 | 15.61 | 0.00 | 6.94 | 4.05 | 0.58 | 1.16 | 10.98 | 2.31 | 2.31 | 2.31 | 1.16 | 1.16 | 1.16 | 19.65 | 2.31 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1175 | 555 | 200 | 0 | 120 | 70 | 15 | 35 | 25 | 25 | 25 | 10 | 10 | 0 | 30 | 47.23 | 17.02 | 0.00 | 10.21 | 5.96 | 1.28 | 2.98 | 2.13 | 2.13 | 0.85 | 0.85 | 0.85 | 0.00 | 2.55 | 3.83 | | | |
| 9 | Wong Chuk Hang Road | 2 | 1295 | 635 | 230 | 0 | 55 | 30 | 10 | 30 | 40 | 25 | 25 | 20 | 15 | 20 | 20 | 49.03 | 17.76 | 0.00 | 4.25 | 2.32 | 0.77 | 2.32 | 3.09 | 1.93 | 1.93 | 1.54 | 1.16 | 1.54 | 10.04 | 0.77 | | | |
| 10 | Wong Chuk Hang Road | 2 | 990 | 475 | 180 | 0 | 40 | 25 | 10 | 20 | 30 | 20 | 15 | 15 | 20 | 20 | 95 | 47.98 | 18.18 | 0.00 | 4.04 | 2.53 | 1.01 | 2.02 | 3.03 | 2.02 | 1.52 | 1.52 | 1.52 | 2.02 | 2.02 | 9.60 | 1.01 | | |
| 11 | Wong Chuk Hang Road | 2 | 815 | 395 | 155 | 0 | 30 | 20 | 10 | 20 | 25 | 15 | 10 | 15 | 5 | 10 | 15 | 48.47 | 19.02 | 0.00 | 3.68 | 2.45 | 1.23 | 2.45 | 3.07 | 1.84 | 1.23 | 1.84 | 0.61 | 1.23 | 1.84 | 9.82 | 1.23 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1435 | 680 | 240 | 0 | 150 | 85 | 15 | 45 | 35 | 35 | 25 | 15 | 10 | 0 | 35 | 55 | 47.39 | 16.72 | 0.00 | 10.45 | 5.92 | 1.05 | 3.14 | 2.44 | 1.74 | 1.05 | 0.70 | 0.70 | 0.00 | 2.44 | 3.83 | | |
| 13 | Wong Chuk Hang Road | 2 | 820 | 90 | 100 | 0 | 35 | 20 | 0 | 0 | 145 | 15 | 5 | 10 | 10 | 10 | 25 | 345 | 10.98 | 12.20 | 0.00 | 4.27 | 2.44 | 0.00 | 0.00 | 17.68 | 1.83 | 0.61 | 1.22 | 1.22 | 1.22 | 3.05 | 42.07 | 1.22 | |
| 14 | Wong Chuk Hang Road | 2 | 420 | 115 | 75 | 0 | 25 | 15 | 0 | 5 | 45 | 10 | 10 | 10 | 5 | 15 | 75 | 10 | 27.38 | 17.86 | 0.00 | 5.95 | 3.57 | 0.00 | 1.19 | 10.71 | 2.38 | 2.38 | 2.38 | 1.19 | 1.19 | 3.57 | 17.86 | 2.38 | |
| 15 | Wong Chuk Hang Road | 2 | 1850 | 770 | 305 | 5 | 175 | 100 | 15 | 45 | 90 | 45 | 35 | 25 | 15 | 15 | 135 | 60 | 41.62 | 16.49 | 0.27 | 9.46 | 5.41 | 0.81 | 2.43 | 4.86 | 2.43 | 1.89 | 1.35 | 0.81 | 0.81 | 0.81 | 7.30 | 3.24 | |
| 16 | Nam Long Shan Road | 1 | 1200 | 545 | 200 | 0 | 50 | 30 | 10 | 20 | 60 | 25 | 25 | 20 | 15 | 25 | 25 | 125 | 25 | 45.42 | 16.67 | 0.00 | 4.17 | 2.50 | 0.83 | 1.67 | 5.00 | 2.08 | 2.08 | 1.67 | 1.25 | 2.08 | 10.42 | 2.08 | |
| 17 | Heung Yip Road | 1 | 640 | 315 | 55 | 0 | 80 | 50 | 5 | 15 | 0 | 35 | 25 | 15 | 10 | 10 | 0 | 25 | 49.22 | 8.59 | 0.00 | 12.50 | 7.81 | 0.78 | 2.34 | 0.00 | 5.47 | 3.91 | 2.34 | 1.56 | 1.56 | 0.00 | 0.00 | 3.91 | |
| 18 | Heung Yip Road | 1 | 790 | 395 | 70 | 0 | 95 | 60 | 10 | 15 | 0 | 40 | 35 | 20 | 10 | 15 | 0 | 25 | 50.00 | 8.86 | 0.00 | 12.03 | 7.59 | 1.27 | 1.90 | 0.00 | 5.06 | 4.43 | 2.53 | 1.27 | 1.90 | 0.00 | 0.00 | 3.16 | |
| 19 | Heung Yip Road | 1 | 1035 | 515 | 95 | 0 | 125 | 75 | 10 | 25 | 0 | 55 | 45 | 25 | 15 | 15 | 0 | 35 | 49.76 | 9.18 | 0.00 | 12.08 | 7.25 | 0.97 | 2.42 | 0.00 | 5.31 | 4.35 | 2.42 | 1.45 | 1.45 | 0.00 | 0.00 | 3.38 | |
| 20 | Yip Fat St | 1 | 485 | 240 | 40 | 0 | 60 | 35 | 5 | 15 | 0 | 25 | 20 | 10 | 10 | 0 | 0 | 15 | 49.48 | 8.25 | 0.00 | 12.37 | 7.22 | 1.03 | 3.09 | 0.00 | 5.15 | 4.12 | 2.06 | 2.06 | 2.06 | 0.00 | 0.00 | 3.09 | |
| 21 | Heung Yip Road | 1 | 540 | 280 | 50 | 0 | 65 | 35 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 0 | 0 | 20 | 51.85 | 9.26 | 0.00 | 12.04 | 6.48 | 0.00 | 1.85 | 0.00 | 4.63 | 4.63 | 1.85 | 1.85 | 0.00 | 0.00 | 3.70 | | |
| 22 | Yip Fat St | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 355 | 175 | 30 | 0 | 50 | 25 | 0 | 10 | 0 | 20 | 15 | 10 | 5 | 5 | 0 | 10 | 49.30 | 8.45 | 0.00 | 14.08 | 7.04 | 0.00 | 2.82 | 0.00 | 5.63 | 4.23 | 2.82 | 1.41 | 1.41 | 0.00 | 0.00 | 2.82 | |
| 24 | Heung Yip Road | 1 | 520 | 270 | 40 | 0 | 65 | 35 | 0 | 10 | 0 | 25 | 25 | 10 | 10 | 0 | 0 | 20 | 51.92 | 7.69 | 0.00 | 12.50 | 6.73 | 0.00 | 1.92 | 0.00 | 4.81 | 4.81 | 1.92 | 1.92 | 0.00 | 0.00 | 3.85 | | |
| 25 | Heung Yip Road | 1 | 620 | 330 | 80 | 0 | 60 | 35 | 5 | 15 | 0 | 25 | 25 | 10 | 5 | 5 | 0 | 5 | 20 | 53.23 | 12.90 | 0.00 | 9.68 | 5.65 | 0.81 | 2.42 | 0.00 | 4.03 | 4.03 | 1.61 | 0.81 | 0.81 | 0.00 | 0.81 | 3.23 |
| 26 | Heung Yip Road | 1 | 795 | 425 | 100 | 0 | 70 | 40 | 10 | 15 | 0 | 40 | 30 | 15 | 10 | 10 | 0 | 5 | 25 | 53.46 | 12.58 | 0.00 | 8.81 | 5.03 | 1.26 | 1.89 | 0.00 | 5.03 | 3.77 | 1.89 | 1.26 | 1.26 | 0.00 | 0.63 | 3.14 |
| 27 | Heung Yip Road | 1 | 215 | 115 | 20 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 0 | 10 | 53.49 | 9.30 | 0.00 | 11.63 | 6.98 | 0.00 | 2.33 | 0.00 | 4.65 | 4.65 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | |
| 28 | Heung Yip Road | 1 | 310 | 160 | 25 | 0 | 30 | 20 | 0 | 10 | 0 | 15 | 15 | 10 | 5 | 5 | 0 | 15 | 51.61 | 8.06 | 0.00 | 9.68 | 6.45 | 0.00 | 3.23 | 0.00 | 4.84 | 4.84 | 3.23 | 1.61 | 1.61 | 0.00 | 0.00 | 4.84 | |
| 29 | Heung Yip Road | 1 | 415 | 205 | 35 | 0 | 50 | 30 | 0 | 10 | 0 | 20 | 20 | 10 | 10 | 0 | 0 | 15 | 49.40 | 8.43 | 0.00 | 12.05 | 7.23 | 0.00 | 2.41 | 0.00 | 4.82 | 4.82 | 2.41 | 2.41 | 2.41 | 0.00 | 0.00 | 3.61 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 950 | 495 | 160 | 0 | 45 | 25 | 5 | 10 | 20 | 30 | 30 | 15 | 10 | 20 | 15 | 50 | 20 | 52.11 | 16.84 | 0.00 | 4.74 | 2.63 | 0.53 | 1.05 | 2.11 | 3.16 | 3.16 | 1.58 | 1.05 | 2.11 | 1.58 | 5.26 | 2.11 |
| 32 | Nam Long Shan Road | 1 | 940 | 485 | 160 | 0 | 45 | 25 | 5 | 15 | 20 | 30 | 25 | 15 | 10 | 20 | 15 | 50 | 20 | 51.60 | 17.02 | 0.00 | 4.79 | 2.66 | 0.53 | 1.60 | 2.13 | 3.19 | 2.66 | 1.60 | 1.06 | 2.13 | 1.60 | 5.32 | 2.13 |
| 33 | Welfare Road | 1 | 100 | 60 | 20 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 60.00 | 20.00 | 0.00 | 10.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | |
| 34 | Welfare Road | 1 | 75 | 50 | 15 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 20.00 | 0.00 | 6.67 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 450 | 180 | 105 | 0 | 15 | 10 | 0 | 0 | 20 | 20 | 15 | 10 | 10 | 20 | 10 | 40.00 | 23.33 | 0.00 | 3.33 | 2.22 | 0.00 | 0.00 | 4.44 | 4.44 | 3.33 | 2.22 | 2.22 | 4.44 | 3.33 | 4.44 | 2.22 | | |
| 36 | Shum Wan Road | 1 | 455 | 190 | 100 | 0 | 15 | 10 | 0 | 0 | 20 | 20 | 15 | 10 | 10 | 20 | 10 | 41.76 | 21.98 | 0.00 | 3.30 | 2.20 | 0.00 | 0.00 | 4.40 | 4.40 | 3.30 | 2.20 | 2.20 | 4.40 | 3.30 | 4.40 | 2.20 | | |
| 37 | Shum Wan Pier Drive | 1 | 45 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 44.44 | 22.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 975 | 510 | 160 | 0 | 50 | 25 | 5 | 15 | 20 | 30 | 30 | 15 | 10 | 20 | 15 | 50 | 20 | 52.31 | 16.41 | 0.00 | 5.13 | 2.56 | 0.51 | 1.54 | 2.05 | 3.08 | 3.08 | 1.54 | 1.03 | 2.05 | 1.54 | 5.13 | 2.05 |
| 39 | Nam Long Shan Road | 1 | 155 | 95 | 25 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 61.29 | 16.13 | 0.00 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 3.23 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 6.45 | 3.23 | |
| 40 | Nam Long Shan Road | 1 | 190 | 120 | 25 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 10 | 5 | 63.16 | 13.16 | 0.00 | 5.26 | 2.63 | 0.00 | 0.00 | 2.63 | 2.63 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | 2.63 | | |
| 41 | Police School Road | 1 | 920 | 485 | 155 | 0 | 45 | 20 | 0 | 10 | 20 | 30 | 25 | 15 | 10 | 20 | 15 | 50 | 20 | 52.72 | 16.85 | 0.00 | 4.89 | 2.17 | 0.00 | 1.09 | 2.17 | 3.26 | 2.72 | 1.63 | 1.09 | 2.17 | 1.63 | 5.43 | 2.17 |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 15-16)

Emission Factor Calculations (Hour: 00-01)

| Hour: 15-16 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 130 | 2.05 | 7.15 | 0.00 | 7.12 | 17.96 | 23.15 | 80.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.26 | 0.00 | 0.00 | 0.48 | 0.58 | 1.57 | 5.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 1.413 | 0.080 | |
| 2 | Tong Bin Lane | 1 | 155 | 2.23 | 7.50 | 0.00 | 5.97 | 15.06 | 19.41 | 84.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 0.28 | 0.00 | 0.00 | 0.40 | 0.48 | 1.32 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.374 | 0.078 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 260 | 2.25 | 8.05 | 0.00 | 7.12 | 8.98 | 23.15 | 90.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.29 | 0.00 | 0.00 | 0.48 | 0.29 | 1.57 | 5.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.420 | 0.083 | |
| 4 | Yip Kan St | 1 | 290 | 2.20 | 8.01 | 0.00 | 7.98 | 12.07 | 20.75 | 90.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 0.28 | 0.00 | 0.00 | 0.54 | 0.39 | 1.41 | 5.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.430 | 0.083 | | |
| 5 | Wong Chuk Hang Road | 2 | 1735 | 1.74 | 6.11 | 0.00 | 7.33 | 10.37 | 2.54 | 12.19 | 4.26 | 0.32 | 1.40 | 3.13 | 4.24 | 6.73 | 3.27 | 40.65 | 1.29 | 0.15 | 0.00 | 0.00 | 0.42 | 0.26 | 0.12 | 0.53 | 0.32 | 0.03 | 0.06 | 0.22 | 0.26 | 0.30 | 0.02 | 0.39 | 0.02 | 1.056 | 0.031 |
| 6 | Wong Chuk Hang Road | 2 | 2010 | 1.74 | 6.04 | 0.27 | 7.63 | 10.23 | 2.19 | 11.48 | 4.65 | 0.28 | 1.61 | 2.70 | 3.66 | 5.81 | 2.82 | 40.94 | 1.28 | 0.15 | 0.00 | 0.01 | 0.44 | 0.26 | 0.10 | 0.50 | 0.35 | 0.03 | 0.07 | 0.19 | 0.22 | 0.26 | 0.02 | 0.39 | 0.02 | 1.033 | 0.030 |
| 7 | Wong Chuk Hang Road | 2 | 845 | 1.10 | 6.39 | 0.00 | 5.75 | 8.11 | 2.61 | 4.55 | 9.91 | 0.33 | 1.92 | 4.28 | 4.35 | 6.91 | 6.71 | 118.25 | 0.81 | 0.10 | 0.00 | 0.00 | 0.33 | 0.21 | 0.12 | 0.20 | 0.74 | 0.03 | 0.08 | 0.29 | 0.27 | 0.31 | 0.05 | 1.13 | 0.02 | 1.820 | 0.039 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1165 | 1.63 | 4.96 | 0.00 | 8.05 | 8.93 | 3.17 | 12.59 | 2.75 | 0.20 | 1.30 | 1.20 | 2.45 | 3.90 | 0.00 | 10.65 | 1.46 | 0.09 | 0.00 | 0.00 | 0.28 | 0.22 | 0.11 | 0.44 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.18 | 0.00 | 0.11 | 0.02 | 0.632 | 0.020 |
| 9 | Wong Chuk Hang Road | 2 | 1270 | 1.98 | 6.68 | 0.00 | 3.83 | 4.72 | 1.74 | 9.08 | 3.49 | 0.38 | 2.23 | 3.56 | 5.79 | 11.49 | 8.93 | 53.22 | 0.27 | 0.17 | 0.00 | 0.00 | 0.22 | 0.12 | 0.08 | 0.40 | 0.26 | 0.04 | 0.10 | 0.25 | 0.35 | 0.51 | 0.07 | 0.51 | 0.01 | 1.174 | 0.031 |
| 10 | Wong Chuk Hang Road | 2 | 960 | 1.91 | 6.83 | 0.00 | 3.51 | 5.35 | 2.30 | 8.01 | 3.08 | 0.36 | 2.11 | 3.77 | 7.66 | 15.20 | 11.81 | 52.04 | 0.36 | 0.17 | 0.00 | 0.00 | 0.20 | 0.14 | 0.11 | 0.35 | 0.23 | 0.03 | 0.09 | 0.26 | 0.47 | 0.68 | 0.09 | 0.50 | 0.01 | 1.243 | 0.033 |
| 11 | Wong Chuk Hang Road | 2 | 795 | 1.93 | 7.03 | 0.00 | 3.29 | 5.39 | 2.77 | 9.67 | 3.72 | 0.43 | 1.53 | 4.55 | 4.62 | 11.01 | 7.13 | 51.75 | 0.43 | 0.17 | 0.00 | 0.00 | 0.19 | 0.14 | 0.13 | 0.42 | 0.28 | 0.04 | 0.07 | 0.31 | 0.28 | 0.49 | 0.05 | 0.50 | 0.01 | 1.153 | 0.031 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1415 | 1.64 | 4.86 | 0.00 | 8.15 | 9.31 | 2.61 | 12.67 | 3.01 | 0.25 | 1.07 | 1.98 | 2.02 | 3.21 | 0.00 | 8.77 | 1.44 | 0.09 | 0.00 | 0.00 | 0.29 | 0.23 | 0.09 | 0.44 | 0.15 | 0.02 | 0.05 | 0.18 | 0.16 | 0.15 | 0.00 | 0.09 | 0.02 | 0.610 | 0.020 |
| 13 | Wong Chuk Hang Road | 2 | 830 | 0.55 | 4.65 | 0.00 | 4.05 | 5.16 | 0.00 | 0.00 | 13.64 | 0.17 | 0.00 | 2.18 | 4.43 | 7.03 | 20.49 | 251.40 | 0.62 | 0.05 | 0.00 | 0.00 | 0.23 | 0.13 | 0.00 | 0.00 | 1.01 | 0.02 | 0.00 | 0.15 | 0.27 | 0.31 | 0.15 | 2.41 | 0.01 | 3.144 | 0.048 |
| 14 | Wong Chuk Hang Road | 2 | 430 | 1.06 | 6.73 | 0.00 | 5.22 | 7.97 | 0.00 | 8.94 | 9.16 | 0.32 | 1.88 | 4.20 | 8.55 | 13.57 | 13.19 | 109.36 | 0.80 | 0.09 | 0.00 | 0.00 | 0.30 | 0.20 | 0.00 | 0.39 | 0.68 | 0.03 | 0.08 | 0.29 | 0.52 | 0.61 | 0.10 | 1.05 | 0.02 | 1.909 | 0.044 |
| 15 | Wong Chuk Hang Road | 2 | 1825 | 1.74 | 6.02 | 0.30 | 7.58 | 10.33 | 2.42 | 11.59 | 4.59 | 0.30 | 1.33 | 2.97 | 4.03 | 6.40 | 3.11 | 40.26 | 1.22 | 0.15 | 0.00 | 0.01 | 0.44 | 0.26 | 0.11 | 0.51 | 0.34 | 0.03 | 0.06 | 0.20 | 0.25 | 0.29 | 0.02 | 0.39 | 0.02 | 1.042 | 0.031 |
| 16 | Nam Long Shan Road | 1 | 1175 | 2.33 | 7.32 | 0.00 | 4.73 | 6.95 | 2.56 | 8.94 | 4.89 | 0.29 | 1.69 | 4.44 | 9.06 | 21.57 | 17.27 | 87.07 | 1.00 | 0.30 | 0.00 | 0.00 | 0.32 | 0.22 | 0.17 | 0.55 | 0.67 | 0.04 | 0.09 | 0.32 | 0.57 | 1.20 | 0.14 | 0.96 | 0.04 | 1.801 | 0.056 |
| 17 | Heung Yip Road | 1 | 640 | 2.33 | 4.36 | 0.00 | 13.02 | 20.06 | 4.70 | 16.42 | 0.00 | 0.93 | 3.87 | 8.15 | 8.32 | 13.20 | 0.00 | 0.00 | 1.52 | 0.30 | 0.00 | 0.00 | 0.88 | 0.64 | 0.32 | 1.02 | 0.00 | 0.12 | 0.20 | 0.58 | 0.52 | 0.74 | 0.00 | 0.00 | 0.06 | 0.969 | 0.054 |
| 18 | Heung Yip Road | 1 | 780 | 2.42 | 4.17 | 0.00 | 13.05 | 19.45 | 3.86 | 13.47 | 0.00 | 0.87 | 4.45 | 6.69 | 6.82 | 21.66 | 0.00 | 0.00 | 1.25 | 0.31 | 0.00 | 0.00 | 0.88 | 0.62 | 0.26 | 0.83 | 0.00 | 0.12 | 0.23 | 0.48 | 0.43 | 1.21 | 0.00 | 0.00 | 0.05 | 0.982 | 0.054 |
| 19 | Heung Yip Road | 1 | 1020 | 2.37 | 4.33 | 0.00 | 13.16 | 18.31 | 2.95 | 15.45 | 0.00 | 0.92 | 4.37 | 7.67 | 10.44 | 16.57 | 0.00 | 0.00 | 1.34 | 0.30 | 0.00 | 0.00 | 0.89 | 0.59 | 0.20 | 0.96 | 0.00 | 0.12 | 0.23 | 0.55 | 0.65 | 0.92 | 0.00 | 0.00 | 0.05 | 0.979 | 0.055 |
| 20 | Yip Fat St | 1 | 515 | 2.38 | 4.06 | 0.00 | 12.58 | 20.40 | 5.84 | 20.41 | 0.00 | 0.99 | 3.85 | 5.06 | 10.33 | 16.40 | 0.00 | 0.00 | 1.14 | 0.30 | 0.00 | 0.00 | 0.85 | 0.65 | 0.40 | 1.26 | 0.00 | 0.13 | 0.20 | 0.36 | 0.65 | 0.92 | 0.00 | 0.04 | 1.034 | 0.058 | |
| 21 | Heung Yip Road | 1 | 495 | 2.53 | 4.70 | 0.00 | 12.15 | 18.86 | 0.00 | 10.62 | 0.00 | 0.86 | 5.00 | 5.27 | 10.75 | 17.07 | 0.00 | 0.00 | 1.18 | 0.32 | 0.00 | 0.00 | 0.82 | 0.61 | 0.00 | 0.66 | 0.00 | 0.11 | 0.26 | 0.38 | 0.67 | 0.95 | 0.00 | 0.04 | 0.890 | 0.048 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| 23 | Yip Fat St | 1 | 355 | 2.32 | 3.93 | 0.00 | 14.34 | 19.73 | 0.00 | 14.80 | 0.00 | 0.96 | 4.19 | 7.35 | 14.99 | 23.80 | 0.00 | 0.00 | 1.10 | 0.30 | 0.00 | 0.00 | 0.96 | 0.63 | 0.00 | 0.92 | 0.00 | 0.13 | 0.22 | 0.52 | 0.94 | 1.33 | 0.00 | 0.04 | 1.075 | 0.060 | |
| 24 | Heung Yip Road | 1 | 475 | 2.52 | 3.91 | 0.00 | 12.67 | 19.66 | 0.00 | 11.06 | 0.00 | 0.89 | 5.21 | 5.49 | 11.20 | 17.79 | 0.00 | 0.00 | 1.23 | 0.32 | 0.00 | 0.00 | 0.85 | 0.63 | 0.00 | 0.69 | 0.00 | 0.12 | 0.27 | 0.39 | 0.70 | 0.99 | 0.00 | 0.05 | 0.916 | 0.050 | |
| 25 | Heung Yip Road | 1 | 635 | 2.51 | 5.86 | 0.00 | 10.20 | 16.54 | 4.74 | 16.55 | 0.00 | 0.80 | 4.68 | 4.11 | 8.38 | 13.30 | 0.00 | 0.00 | 1.23 | 0.32 | 0.00 | 0.00 | 0.69 | 0.53 | 0.32 | 1.02 | 0.00 | 0.11 | 0.24 | 0.29 | 0.52 | 0.74 | 0.00 | 0.00 | 0.05 | 0.889 | 0.048 |
| 26 | Heung Yip Road | 1 | 740 | 2.55 | 5.97 | 0.00 | 10.01 | 14.20 | 4.07 | 14.20 | 0.00 | 0.92 | 4.02 | 7.05 | 7.19 | 11.42 | 0.00 | 0.00 | 1.32 | 0.33 | 0.00 | 0.00 | 0.67 | 0.46 | 0.28 | 0.88 | 0.00 | 0.12 | 0.21 | 0.50 | 0.45 | 0.64 | 0.00 | 0.00 | 0.05 | 0.829 | 0.046 |
| 27 | Heung Yip Road | 1 | 220 | 2.42 | 4.23 | 0.00 | 12.62 | 21.22 | 0.00 | 23.88 | 0.00 | 0.77 | 4.50 | 11.85 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 0.31 | 0.00 | 0.00 | 0.85 | 0.68 | 0.00 | 1.48 | 0.00 | 0.10 | 0.23 | 0.85 | 0.00 | 0.00 | 0.00 | 0.06 | 0.833 | 0.046 | |
| 28 | Heung Yip Road | 1 | 260 | 2.46 | 4.47 | 0.00 | 10.68 | 17.96 | 0.00 | 20.21 | 0.00 | 0.98 | 5.72 | 10.03 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 0.31 | 0.00 | 0.00 | 0.72 | 0.58 | 0.00 | 1.25 | 0.00 | 0.13 | 0.30 | 0.72 | 0.00 | 0.00 | 0.00 | 0.08 | 0.747 | 0.041 | |
| 29 | Heung Yip Road | 1 | 405 | 2.37 | 4.59 | 0.00 | 12.57 | 20.17 | 0.00 | 12.97 | 0.00 | 0.84 | 4.89 | 6.44 | 13.14 | 20.86 | 0.00 | 0.00 | 1.44 | 0.30 | 0.00 | 0.00 | 0.85 | 0.65 | 0.00 | 0.80 | 0.00 | 0.11 | 0.25 | 0.46 | 0.82 | 1.16 | 0.00 | 0.00 | 0.05 | 1.003 | 0.055 |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 524.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.81 | 0.00 | 5.595 | 0.105 | |
| 31 | Nam Long Shan Road | 1 | 910 | 2.52 | 7.92 | 0.00 | 5.09 | 8.98 | 3.31 | 5.77 | 2.30 | 0.56 | 3.27 | 5.73 | 5.85 | 18.57 | 13.38 | 47.56 | 0.86 | 0.32 | 0.00 | 0.00 | 0.34 | 0.29 | 0.22 | 0.36 | 0.31 | 0.07 | 0.17 | 0.41 | 0.37 | 1.04 | 0.10 | 0.53 | 0.03 | 1.317 | 0.046 |
| 32 | Nam Long Shan Road | 1 | 925 | 2.47 | 8.04 | 0.00 | 5.00 | 8.83 | 3.25 | 11.36 | 2.26 | 0.55 | 3.21 | 5.64 | 5.75 | 18.27 | 13.16 | 46.79 | 0.84 | 0.32 | 0.00 | 0.00 | 0.34 | 0.28 | 0.22 | 0.70 | 0.31 | 0.07 | 0.17 | 0.40 | 0.36 | 1.02 | 0.10 | 0.52 | 0.03 | 1.354 | 0.048 |
| 33 | Welfare Road | 1 | 85 | 3.13 | 8.20 | 0.00 | 10.89 | 27.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.73 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.497 | 0.020 | |
| 34 | Welfare Road | 1 | 95 | 3.08 | 9.79 | 0.00 | 9.74 | 24.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.66 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.472 | 0.018 | |
| 35 | Shum Wan Road | 1 | 595 | 2.24 | 10.16 | 0.00 | 3.11 | 5.89 | 0.00 | 0.00 | 5.27 | 0.71 | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 16-17)

Emission Factor Calculations (Hour: 00-01)

| Hour: 16-17 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------------------------------------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 130 | 2.05 | 7.18 | 0.00 | 7.13 | 18.00 | 23.17 | 80.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 0.26 | 0.00 | 0.00 | 0.48 | 0.58 | 1.57 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 1.413 | 0.080 | |
| 2 | Tong Bin Lane | 1 | 165 | 2.10 | 8.49 | 0.00 | 5.62 | 14.18 | 18.26 | 95.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 0.27 | 0.00 | 0.00 | 0.38 | 0.46 | 1.24 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.464 | 0.083 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 275 | 2.23 | 8.49 | 0.00 | 6.74 | 8.51 | 21.91 | 95.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 0.28 | 0.00 | 0.00 | 0.45 | 0.27 | 1.49 | 5.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.447 | 0.084 | |
| 4 | Yip Kan St | 1 | 280 | 2.29 | 8.34 | 0.00 | 6.62 | 8.35 | 21.52 | 93.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 0.29 | 0.00 | 0.00 | 0.45 | 0.27 | 1.46 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.422 | 0.083 | | |
| 5 | Wong Chuk Hang Road | 2 | 1715 | 1.71 | 6.08 | 0.00 | 7.64 | 10.50 | 2.58 | 12.35 | 4.32 | 0.32 | 1.42 | 3.17 | 4.29 | 6.81 | 4.97 | 39.46 | 1.41 | 0.15 | 0.00 | 0.00 | 0.44 | 0.27 | 0.12 | 0.54 | 0.32 | 0.03 | 0.06 | 0.22 | 0.26 | 0.30 | 0.04 | 0.38 | 0.03 | 1.070 | 0.032 |
| 6 | Wong Chuk Hang Road | 2 | 2000 | 1.70 | 5.99 | 0.27 | 8.05 | 10.72 | 2.21 | 12.51 | 4.45 | 0.28 | 1.62 | 2.72 | 3.68 | 5.84 | 4.26 | 39.72 | 1.38 | 0.15 | 0.00 | 0.01 | 0.46 | 0.27 | 0.10 | 0.55 | 0.33 | 0.03 | 0.07 | 0.19 | 0.22 | 0.26 | 0.03 | 0.38 | 0.03 | 1.054 | 0.031 |
| 7 | Wong Chuk Hang Road | 2 | 830 | 1.02 | 6.52 | 0.00 | 6.31 | 8.27 | 2.66 | 4.64 | 10.12 | 0.33 | 1.96 | 4.36 | 4.43 | 7.04 | 6.84 | 120.53 | 0.83 | 0.09 | 0.00 | 0.00 | 0.36 | 0.21 | 0.12 | 0.20 | 0.75 | 0.03 | 0.08 | 0.30 | 0.27 | 0.31 | 0.05 | 1.16 | 0.02 | 1.859 | 0.040 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1160 | 1.61 | 4.86 | 0.00 | 8.40 | 9.58 | 3.18 | 12.66 | 2.77 | 0.20 | 1.31 | 1.21 | 2.47 | 3.92 | 2.01 | 8.57 | 1.47 | 0.09 | 0.00 | 0.00 | 0.30 | 0.24 | 0.11 | 0.44 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.19 | 0.02 | 0.09 | 0.02 | 0.642 | 0.020 |
| 9 | Wong Chuk Hang Road | 2 | 1290 | 1.88 | 7.19 | 0.00 | 3.77 | 5.32 | 1.71 | 8.95 | 3.83 | 0.38 | 2.20 | 4.21 | 5.71 | 11.32 | 13.20 | 50.18 | 0.27 | 0.16 | 0.00 | 0.00 | 0.22 | 0.14 | 0.08 | 0.39 | 0.28 | 0.04 | 0.09 | 0.29 | 0.35 | 0.51 | 0.10 | 0.48 | 0.01 | 1.201 | 0.031 |
| 10 | Wong Chuk Hang Road | 2 | 970 | 1.81 | 7.57 | 0.00 | 3.86 | 5.30 | 2.28 | 7.94 | 3.06 | 0.43 | 2.09 | 3.73 | 7.59 | 15.06 | 17.56 | 45.50 | 0.36 | 0.16 | 0.00 | 0.00 | 0.22 | 0.14 | 0.11 | 0.35 | 0.23 | 0.04 | 0.09 | 0.26 | 0.46 | 0.67 | 0.13 | 0.44 | 0.01 | 1.241 | 0.033 |
| 11 | Wong Chuk Hang Road | 2 | 825 | 1.79 | 7.96 | 0.00 | 3.63 | 6.24 | 2.68 | 9.33 | 3.59 | 0.42 | 1.97 | 4.39 | 4.46 | 10.62 | 13.76 | 46.36 | 0.42 | 0.15 | 0.00 | 0.00 | 0.21 | 0.16 | 0.13 | 0.41 | 0.27 | 0.04 | 0.08 | 0.30 | 0.27 | 0.47 | 0.10 | 0.44 | 0.01 | 1.176 | 0.030 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1395 | 1.62 | 4.72 | 0.00 | 8.54 | 9.46 | 2.65 | 12.87 | 3.07 | 0.25 | 1.09 | 2.01 | 2.05 | 3.26 | 0.00 | 8.90 | 1.47 | 0.09 | 0.00 | 0.00 | 0.30 | 0.24 | 0.09 | 0.44 | 0.15 | 0.02 | 0.05 | 0.18 | 0.16 | 0.15 | 0.00 | 0.09 | 0.02 | 0.620 | 0.020 |
| 13 | Wong Chuk Hang Road | 2 | 835 | 0.57 | 4.63 | 0.00 | 4.03 | 6.16 | 0.00 | 0.00 | 12.42 | 0.17 | 0.00 | 2.17 | 4.41 | 7.00 | 20.40 | 250.18 | 0.83 | 0.05 | 0.00 | 0.00 | 0.23 | 0.16 | 0.00 | 0.00 | 0.92 | 0.02 | 0.00 | 0.15 | 0.27 | 0.31 | 0.15 | 2.40 | 0.02 | 3.130 | 0.047 |
| 14 | Wong Chuk Hang Road | 2 | 440 | 0.98 | 7.46 | 0.00 | 5.10 | 7.80 | 0.00 | 8.75 | 8.98 | 0.32 | 1.84 | 4.11 | 8.36 | 13.28 | 19.35 | 106.99 | 0.79 | 0.09 | 0.00 | 0.00 | 0.29 | 0.20 | 0.00 | 0.38 | 0.67 | 0.03 | 0.08 | 0.28 | 0.51 | 0.59 | 0.14 | 1.03 | 0.01 | 1.941 | 0.043 |
| 15 | Wong Chuk Hang Road | 2 | 1825 | 1.70 | 6.03 | 0.30 | 8.00 | 10.81 | 2.42 | 11.60 | 4.33 | 0.30 | 1.33 | 2.98 | 4.03 | 6.40 | 4.67 | 40.31 | 1.32 | 0.15 | 0.00 | 0.01 | 0.46 | 0.28 | 0.11 | 0.51 | 0.32 | 0.03 | 0.06 | 0.20 | 0.25 | 0.29 | 0.03 | 0.39 | 0.02 | 1.065 | 0.031 |
| 16 | Nam Long Shan Road | 1 | 1205 | 2.26 | 8.14 | 0.00 | 5.00 | 7.77 | 2.50 | 8.71 | 4.35 | 0.28 | 1.65 | 4.32 | 8.85 | 21.06 | 20.23 | 85.04 | 0.98 | 0.29 | 0.00 | 0.00 | 0.34 | 0.25 | 0.17 | 0.54 | 0.59 | 0.04 | 0.08 | 0.31 | 0.55 | 1.17 | 0.16 | 0.94 | 0.04 | 1.811 | 0.055 |
| 17 | Heung Yip Road | 1 | 610 | 2.28 | 4.59 | 0.00 | 14.43 | 21.09 | 4.94 | 17.21 | 0.00 | 0.84 | 3.25 | 8.54 | 8.74 | 13.87 | 0.00 | 0.00 | 1.29 | 0.29 | 0.00 | 0.00 | 0.97 | 0.68 | 0.33 | 1.06 | 0.00 | 0.11 | 0.17 | 0.61 | 0.55 | 0.77 | 0.00 | 0.00 | 0.05 | 1.011 | 0.056 |
| 18 | Heung Yip Road | 1 | 750 | 2.35 | 4.36 | 0.00 | 14.21 | 20.27 | 4.02 | 14.00 | 0.00 | 0.91 | 3.96 | 6.94 | 7.11 | 22.56 | 0.00 | 0.00 | 1.05 | 0.30 | 0.00 | 0.00 | 0.96 | 0.65 | 0.27 | 0.86 | 0.00 | 0.12 | 0.20 | 0.50 | 0.44 | 1.26 | 0.00 | 0.00 | 0.04 | 1.017 | 0.056 |
| 19 | Heung Yip Road | 1 | 995 | 2.31 | 4.69 | 0.00 | 13.97 | 19.98 | 3.03 | 15.82 | 0.00 | 0.86 | 3.98 | 7.85 | 10.71 | 17.00 | 0.00 | 0.00 | 1.18 | 0.29 | 0.00 | 0.00 | 0.94 | 0.64 | 0.21 | 0.98 | 0.00 | 0.11 | 0.21 | 0.56 | 0.67 | 0.95 | 0.00 | 0.00 | 0.04 | 1.014 | 0.056 |
| 20 | Yip Fat St | 1 | 515 | 2.33 | 4.53 | 0.00 | 13.50 | 20.44 | 5.85 | 20.38 | 0.00 | 1.00 | 3.85 | 5.06 | 10.35 | 16.42 | 0.00 | 0.00 | 0.76 | 0.30 | 0.00 | 0.00 | 0.91 | 0.66 | 0.40 | 1.26 | 0.00 | 0.13 | 0.20 | 0.36 | 0.65 | 0.92 | 0.00 | 0.00 | 0.03 | 1.045 | 0.058 |
| 21 | Heung Yip Road | 1 | 460 | 2.44 | 5.07 | 0.00 | 14.10 | 20.34 | 0.00 | 11.41 | 0.00 | 0.74 | 4.31 | 5.66 | 11.59 | 18.39 | 0.00 | 0.00 | 0.85 | 0.31 | 0.00 | 0.00 | 0.95 | 0.65 | 0.00 | 0.70 | 0.00 | 0.10 | 0.22 | 0.40 | 0.72 | 1.02 | 0.00 | 0.00 | 0.03 | 0.949 | 0.051 |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| 23 | Yip Fat St | 1 | 345 | 2.32 | 4.06 | 0.00 | 14.78 | 20.34 | 0.00 | 15.21 | 0.00 | 0.99 | 2.87 | 7.55 | 15.45 | 24.52 | 0.00 | 0.00 | 1.14 | 0.30 | 0.00 | 0.00 | 1.00 | 0.65 | 0.00 | 0.94 | 0.00 | 0.13 | 0.15 | 0.54 | 0.97 | 1.37 | 0.00 | 0.00 | 0.04 | 1.092 | 0.061 |
| 24 | Heung Yip Road | 1 | 445 | 2.46 | 4.20 | 0.00 | 14.58 | 21.03 | 0.00 | 11.79 | 0.00 | 0.77 | 4.45 | 5.85 | 11.98 | 19.01 | 0.00 | 0.00 | 0.88 | 0.31 | 0.00 | 0.00 | 0.98 | 0.68 | 0.00 | 0.73 | 0.00 | 0.10 | 0.23 | 0.42 | 0.75 | 1.06 | 0.00 | 0.00 | 0.03 | 0.970 | 0.053 |
| 25 | Heung Yip Road | 1 | 625 | 2.43 | 5.98 | 0.00 | 11.12 | 16.84 | 4.82 | 16.80 | 0.00 | 0.82 | 4.76 | 4.17 | 8.53 | 13.53 | 0.00 | 0.00 | 1.25 | 0.31 | 0.00 | 0.00 | 0.75 | 0.54 | 0.33 | 1.04 | 0.00 | 0.11 | 0.25 | 0.30 | 0.53 | 0.75 | 0.00 | 0.00 | 0.05 | 0.911 | 0.049 |
| 26 | Heung Yip Road | 1 | 710 | 2.44 | 5.92 | 0.00 | 11.10 | 16.47 | 4.24 | 14.78 | 0.00 | 0.97 | 4.19 | 7.33 | 7.51 | 11.91 | 0.00 | 0.00 | 1.10 | 0.31 | 0.00 | 0.00 | 0.75 | 0.53 | 0.29 | 0.91 | 0.00 | 0.13 | 0.22 | 0.52 | 0.47 | 0.66 | 0.00 | 0.00 | 0.04 | 0.880 | 0.048 |
| 27 | Heung Yip Road | 1 | 210 | 2.29 | 4.45 | 0.00 | 13.24 | 22.28 | 0.00 | 24.99 | 0.00 | 0.82 | 4.72 | 12.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 0.29 | 0.00 | 0.00 | 0.89 | 0.72 | 0.00 | 1.54 | 0.00 | 0.11 | 0.24 | 0.89 | 0.00 | 0.00 | 0.00 | 0.07 | 0.870 | 0.047 | |
| 28 | Heung Yip Road | 1 | 220 | 2.43 | 4.24 | 0.00 | 12.64 | 21.27 | 0.00 | 23.86 | 0.00 | 0.78 | 4.51 | 11.84 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 0.31 | 0.00 | 0.00 | 0.85 | 0.68 | 0.00 | 1.47 | 0.00 | 0.10 | 0.23 | 0.85 | 0.00 | 0.00 | 0.00 | 0.07 | 0.833 | 0.046 | |
| 29 | Heung Yip Road | 1 | 395 | 2.30 | 4.73 | 0.00 | 12.90 | 23.69 | 0.00 | 13.29 | 0.00 | 0.87 | 5.02 | 6.59 | 13.49 | 21.41 | 0.00 | 0.00 | 0.99 | 0.29 | 0.00 | 0.00 | 0.87 | 0.76 | 0.00 | 0.82 | 0.00 | 0.11 | 0.26 | 0.47 | 0.84 | 1.19 | 0.00 | 0.00 | 0.04 | 1.053 | 0.057 |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 525.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.81 | 0.00 | 0.00 | 5.604 | 0.105 | |
| 31 | Nam Long Shan Road | 1 | 920 | 2.32 | 9.13 | 0.00 | 5.54 | 8.90 | 3.27 | 5.70 | 2.28 | 0.56 | 3.23 | 5.66 | 5.79 | 18.39 | 17.66 | 51.41 | 0.85 | 0.30 | 0.00 | 0.00 | 0.37 | 0.29 | 0.22 | 0.35 | 0.31 | 0.07 | 0.17 | 0.40 | 0.36 | 1.02 | 0.14 | 0.57 | 0.03 | 1.407 | 0.046 |
| 32 | Nam Long Shan Road | 1 | 950 | 2.30 | 9.34 | 0.00 | 5.37 | 8.62 | 3.17 | 11.05 | 2.21 | 0.54 | 3.13 | 5.48 | 5.61 | 17.81 | 17.11 | 49.78 | 0.83 | 0.29 | 0.00 | 0.00 | 0.36 | 0.28 | 0.22 | 0.68 | 0.30 | 0.07 | 0.16 | 0.39 | 0.35 | 0.99 | 0.13 | 0.55 | 0.03 | 1.423 | 0.048 |
| 33 | Welfare Road | 1 | 75 | 3.20 | 6.22 | 0.00 | 12.36 | 31.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.83 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.530 | 0.022 | |
| 34 | Welfare Road | 1 | 100 | 3.20 | 9.34 | 0.00 | 9.27 | 23.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.62 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.452 | 0.018 | |
| 35 | Shum Wan Road | 1 | 625 | 2.14 | 11.58 | 0.00 | 2.97 | 5.61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 17-18)

Emission Factor Calculations (Hour: 00-01)

| Hour: 17-18 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------------------------------------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 130 | 2.06 | 7.21 | 0.00 | 7.16 | 18.10 | 23.22 | 80.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 0.26 | 0.00 | 0.00 | 0.48 | 0.58 | 1.57 | 4.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 1.417 | 0.080 | | |
| 2 | Tong Bin Lane | 1 | 170 | 2.21 | 8.27 | 0.00 | 5.47 | 13.84 | 17.76 | 92.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 0.28 | 0.00 | 0.00 | 0.37 | 0.44 | 1.20 | 5.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 1.427 | 0.081 | | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 280 | 2.30 | 8.37 | 0.00 | 6.64 | 8.40 | 21.56 | 93.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 0.29 | 0.00 | 0.00 | 0.45 | 0.27 | 1.46 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.426 | 0.083 | | | |
| 4 | Yip Kan St | 1 | 280 | 2.30 | 8.37 | 0.00 | 6.64 | 8.40 | 21.56 | 93.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 0.29 | 0.00 | 0.00 | 0.45 | 0.27 | 1.46 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.426 | 0.083 | | | |
| 5 | Wong Chuk Hang Road | 2 | 1690 | 1.69 | 5.97 | 0.00 | 7.99 | 11.19 | 2.62 | 13.70 | 4.11 | 0.33 | 1.45 | 3.22 | 4.37 | 6.93 | 5.05 | 38.39 | 1.50 | 0.15 | 0.00 | 0.00 | 0.46 | 0.28 | 0.12 | 0.60 | 0.30 | 0.03 | 0.06 | 0.22 | 0.27 | 0.31 | 0.04 | 0.37 | 0.04 | 1.085 | 0.032 | |
| 6 | Wong Chuk Hang Road | 2 | 1980 | 1.68 | 5.88 | 0.28 | 8.34 | 11.29 | 2.24 | 13.64 | 4.51 | 0.28 | 1.65 | 2.75 | 3.73 | 5.92 | 4.31 | 38.73 | 1.46 | 0.15 | 0.00 | 0.01 | 0.48 | 0.29 | 0.10 | 0.60 | 0.33 | 0.03 | 0.07 | 0.19 | 0.23 | 0.26 | 0.03 | 0.37 | 0.04 | 1.067 | 0.032 | |
| 7 | Wong Chuk Hang Road | 2 | 810 | 0.97 | 6.71 | 0.00 | 6.48 | 8.49 | 2.73 | 4.76 | 9.81 | 0.35 | 2.01 | 4.48 | 4.55 | 7.23 | 7.02 | 123.79 | 0.89 | 0.08 | 0.00 | 0.00 | 0.37 | 0.22 | 0.13 | 0.21 | 0.72 | 0.03 | 0.09 | 0.31 | 0.28 | 0.32 | 0.05 | 1.18 | 0.02 | 1.903 | 0.040 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1150 | 1.60 | 4.65 | 0.00 | 8.81 | 9.68 | 3.22 | 14.22 | 2.81 | 0.20 | 1.33 | 1.22 | 2.49 | 3.97 | 2.03 | 8.66 | 1.49 | 0.09 | 0.00 | 0.00 | 0.31 | 0.24 | 0.11 | 0.49 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.19 | 0.02 | 0.09 | 0.02 | 0.664 | 0.021 | |
| 9 | Wong Chuk Hang Road | 2 | 1270 | 1.82 | 7.33 | 0.00 | 4.14 | 5.41 | 1.74 | 9.12 | 3.91 | 0.44 | 2.57 | 4.29 | 5.81 | 11.53 | 15.68 | 46.44 | 0.28 | 0.16 | 0.00 | 0.00 | 0.24 | 0.14 | 0.08 | 0.40 | 0.29 | 0.04 | 0.11 | 0.29 | 0.35 | 0.51 | 0.12 | 0.44 | 0.01 | 1.205 | 0.032 | |
| 10 | Wong Chuk Hang Road | 2 | 950 | 1.74 | 7.76 | 0.00 | 3.95 | 5.43 | 2.33 | 8.12 | 3.14 | 0.44 | 2.57 | 3.82 | 7.77 | 15.41 | 20.96 | 43.46 | 0.38 | 0.15 | 0.00 | 0.00 | 0.23 | 0.14 | 0.11 | 0.35 | 0.23 | 0.04 | 0.11 | 0.26 | 0.47 | 0.69 | 0.16 | 0.42 | 0.01 | 1.273 | 0.034 | |
| 11 | Wong Chuk Hang Road | 2 | 810 | 1.72 | 8.14 | 0.00 | 3.71 | 6.37 | 2.73 | 9.53 | 3.68 | 0.52 | 2.01 | 4.48 | 4.55 | 10.84 | 17.56 | 43.69 | 0.45 | 0.15 | 0.00 | 0.00 | 0.21 | 0.16 | 0.13 | 0.42 | 0.27 | 0.05 | 0.09 | 0.31 | 0.28 | 0.48 | 0.13 | 0.42 | 0.01 | 1.200 | 0.031 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1380 | 1.61 | 4.56 | 0.00 | 8.92 | 10.09 | 2.68 | 14.22 | 3.12 | 0.25 | 1.11 | 2.04 | 2.08 | 3.31 | 0.00 | 7.22 | 1.49 | 0.09 | 0.00 | 0.00 | 0.31 | 0.25 | 0.09 | 0.49 | 0.15 | 0.02 | 0.05 | 0.18 | 0.17 | 0.16 | 0.00 | 0.07 | 0.02 | 0.627 | 0.021 | |
| 13 | Wong Chuk Hang Road | 2 | 840 | 0.62 | 4.62 | 0.00 | 4.47 | 6.14 | 0.00 | 0.00 | 10.64 | 0.17 | 0.00 | 2.16 | 4.39 | 6.97 | 20.32 | 252.78 | 0.86 | 0.05 | 0.00 | 0.00 | 0.26 | 0.16 | 0.00 | 0.00 | 0.78 | 0.02 | 0.00 | 0.15 | 0.27 | 0.31 | 0.15 | 2.42 | 0.02 | 3.141 | 0.046 | |
| 14 | Wong Chuk Hang Road | 2 | 435 | 0.95 | 7.58 | 0.00 | 5.18 | 7.90 | 0.00 | 8.87 | 9.13 | 0.32 | 1.87 | 4.17 | 8.48 | 13.46 | 19.62 | 108.47 | 0.83 | 0.08 | 0.00 | 0.00 | 0.30 | 0.20 | 0.00 | 0.39 | 0.67 | 0.03 | 0.08 | 0.29 | 0.52 | 0.60 | 0.15 | 1.04 | 0.02 | 1.968 | 0.044 | |
| 15 | Wong Chuk Hang Road | 2 | 1805 | 1.68 | 5.91 | 0.30 | 8.31 | 11.43 | 2.45 | 12.83 | 4.40 | 0.31 | 1.35 | 3.02 | 4.09 | 6.49 | 4.73 | 39.21 | 1.40 | 0.14 | 0.00 | 0.01 | 0.48 | 0.29 | 0.11 | 0.56 | 0.32 | 0.03 | 0.06 | 0.21 | 0.25 | 0.29 | 0.04 | 0.37 | 0.04 | 1.079 | 0.032 | |
| 16 | Nam Long Shan Road | 1 | 1205 | 2.23 | 7.98 | 0.00 | 5.40 | 7.81 | 2.51 | 8.73 | 4.36 | 0.29 | 1.65 | 4.34 | 8.87 | 21.11 | 27.04 | 85.01 | 0.98 | 0.28 | 0.00 | 0.00 | 0.36 | 0.25 | 0.17 | 0.54 | 0.58 | 0.04 | 0.09 | 0.31 | 0.55 | 1.17 | 0.21 | 0.94 | 0.04 | 1.883 | 0.055 | |
| 17 | Heung Yip Road | 1 | 600 | 2.14 | 4.69 | 0.00 | 15.50 | 23.53 | 5.03 | 17.54 | 0.00 | 0.86 | 3.32 | 8.72 | 8.90 | 14.13 | 0.00 | 0.00 | 1.31 | 0.27 | 0.00 | 0.00 | 1.04 | 0.76 | 0.34 | 1.08 | 0.00 | 0.11 | 0.17 | 0.62 | 0.56 | 0.79 | 0.00 | 0.00 | 0.05 | 1.057 | 0.058 | |
| 18 | Heung Yip Road | 1 | 740 | 2.25 | 4.44 | 0.00 | 15.09 | 22.26 | 4.08 | 14.22 | 0.00 | 0.93 | 4.04 | 7.07 | 7.22 | 22.91 | 0.00 | 0.00 | 1.06 | 0.29 | 0.00 | 0.00 | 1.01 | 0.71 | 0.28 | 0.88 | 0.00 | 0.12 | 0.21 | 0.50 | 0.45 | 1.27 | 0.00 | 0.00 | 0.04 | 1.056 | 0.058 | |
| 19 | Heung Yip Road | 1 | 980 | 2.19 | 4.78 | 0.00 | 15.19 | 21.61 | 3.08 | 16.10 | 0.00 | 0.88 | 4.07 | 8.01 | 10.90 | 17.30 | 0.00 | 0.00 | 1.21 | 0.28 | 0.00 | 0.00 | 1.02 | 0.69 | 0.21 | 0.99 | 0.00 | 0.12 | 0.21 | 0.57 | 0.68 | 0.96 | 0.00 | 0.00 | 0.04 | 1.053 | 0.058 | |
| 20 | Yip Fat St | 1 | 520 | 2.27 | 4.51 | 0.00 | 14.31 | 22.63 | 5.80 | 20.23 | 0.00 | 0.99 | 3.83 | 5.03 | 10.27 | 16.30 | 0.00 | 0.00 | 0.76 | 0.29 | 0.00 | 0.00 | 0.96 | 0.73 | 0.39 | 1.25 | 0.00 | 0.13 | 0.20 | 0.36 | 0.64 | 0.91 | 0.00 | 0.00 | 0.03 | 1.069 | 0.059 | |
| 21 | Heung Yip Road | 1 | 440 | 2.32 | 5.33 | 0.00 | 14.80 | 21.39 | 0.00 | 11.96 | 0.00 | 0.78 | 4.53 | 5.95 | 12.14 | 19.27 | 0.00 | 0.00 | 0.90 | 0.30 | 0.00 | 0.00 | 0.99 | 0.69 | 0.00 | 0.74 | 0.00 | 0.10 | 0.23 | 0.42 | 0.76 | 1.07 | 0.00 | 0.00 | 0.03 | 0.994 | 0.053 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 340 | 2.21 | 4.14 | 0.00 | 16.42 | 20.76 | 0.00 | 15.47 | 0.00 | 1.01 | 2.93 | 7.69 | 15.71 | 24.93 | 0.00 | 0.00 | 1.16 | 0.28 | 0.00 | 0.00 | 1.10 | 0.67 | 0.00 | 0.95 | 0.00 | 0.13 | 0.15 | 0.55 | 0.98 | 1.39 | 0.00 | 0.00 | 0.04 | 1.124 | 0.062 | |
| 24 | Heung Yip Road | 1 | 420 | 2.30 | 4.47 | 0.00 | 15.50 | 22.41 | 0.00 | 12.53 | 0.00 | 0.82 | 4.74 | 6.23 | 12.72 | 20.18 | 0.00 | 0.00 | 0.94 | 0.29 | 0.00 | 0.00 | 1.04 | 0.72 | 0.00 | 0.77 | 0.00 | 0.11 | 0.25 | 0.44 | 0.79 | 1.12 | 0.00 | 0.00 | 0.00 | 0.03 | 1.028 | 0.056 |
| 25 | Heung Yip Road | 1 | 620 | 2.34 | 6.05 | 0.00 | 12.00 | 18.98 | 4.87 | 16.97 | 0.00 | 0.83 | 4.82 | 4.22 | 8.62 | 13.67 | 0.00 | 0.00 | 1.27 | 0.30 | 0.00 | 0.00 | 0.80 | 0.61 | 0.33 | 1.05 | 0.00 | 0.11 | 0.25 | 0.30 | 0.54 | 0.76 | 0.00 | 0.00 | 0.05 | 0.946 | 0.051 | |
| 26 | Heung Yip Road | 1 | 680 | 2.29 | 6.21 | 0.00 | 12.31 | 17.30 | 4.44 | 15.47 | 0.00 | 1.01 | 4.39 | 7.69 | 7.86 | 12.47 | 0.00 | 0.00 | 1.16 | 0.29 | 0.00 | 0.00 | 0.82 | 0.56 | 0.30 | 0.95 | 0.00 | 0.13 | 0.23 | 0.55 | 0.49 | 0.69 | 0.00 | 0.00 | 0.04 | 0.926 | 0.051 | |
| 27 | Heung Yip Road | 1 | 200 | 2.14 | 4.69 | 0.00 | 13.95 | 23.53 | 0.00 | 26.30 | 0.00 | 0.86 | 4.98 | 13.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 0.27 | 0.00 | 0.00 | 0.93 | 0.76 | 0.00 | 1.62 | 0.00 | 0.11 | 0.26 | 0.93 | 0.00 | 0.00 | 0.00 | 0.07 | 0.915 | 0.050 | | |
| 28 | Heung Yip Road | 1 | 200 | 2.14 | 4.69 | 0.00 | 13.95 | 23.53 | 0.00 | 26.30 | 0.00 | 0.86 | 4.98 | 13.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 0.27 | 0.00 | 0.00 | 0.93 | 0.76 | 0.00 | 1.62 | 0.00 | 0.11 | 0.26 | 0.93 | 0.00 | 0.00 | 0.00 | 0.07 | 0.915 | 0.050 | | |
| 29 | Heung Yip Road | 1 | 390 | 2.20 | 4.81 | 0.00 | 14.31 | 24.14 | 0.00 | 13.49 | 0.00 | 0.88 | 5.11 | 6.71 | 13.70 | 21.74 | 0.00 | 0.00 | 1.01 | 0.28 | 0.00 | 0.00 | 0.96 | 0.77 | 0.00 | 0.83 | 0.00 | 0.12 | 0.26 | 0.48 | 0.85 | 1.21 | 0.00 | 0.00 | 0.04 | 1.081 | 0.058 | |
| 30 | Nam Long Shan Road | 1 | 60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 525.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.81 | 0.00 | 0.00 | 5.604 | 0.105 | | |
| 31 | Nam Long Shan Road | 1 | 915 | 2.17 | 9.48 | 0.00 | 6.10 | 10.29 | 3.30 | 5.75 | 2.30 | 0.56 | 3.27 | 5.72 | 5.84 | 18.53 | 26.71 | 51.67 | 0.86 | 0.28 | 0.00 | 0.00 | 0.41 | 0.33 | 0.22 | 0.35 | 0.31 | 0.07 | 0.17 | 0.41 | 0.36 | 1.03 | 0.21 | 0.57 | 0.03 | 1.525 | 0.048 | |
| 32 | Nam Long Shan Road | 1 | 955 | 2.19 | 9.57 | 0.00 | 5.84 | 9.86 | 3.16 | 11.02 | 2.20 | 0.54 | 3.13 | 5.48 | 5.59 | 17.75 | 25.59 | 49.51 | 0.83 | 0.28 | 0.00 | 0.00 | 0.39 | 0.32 | 0.21 | 0.68 | 0.29 | 0.07 | 0.16 | 0.39 | 0.35 | 0.99 | 0.20 | 0.55 | 0.03 | 1.523 | 0.049 | |
| 33 | Welfare Road | 1 | 70 | 3.06 | 6.70 | 0.00 | 13.29 | 33.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.89 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.567 | 0.024 | | |
| 34 | Welfare Road | 1 | 100 | 3.22 | 9.38 | 0.00 | 9.30 | 23.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.62 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.454 | 0.018 | | |
| 35 | Shum Wan Road | 1 | 505 | 1.75 | 12.54 | 0.00 | 4.61 | 6.99 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 18-19)

Emission Factor Calculations (Hour: 00-01)

| Hour: 18-19 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 85 | 2.20 | 8.25 | 0.00 | 5.47 | 13.89 | 17.89 | 92.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 0.28 | 0.00 | 0.00 | 0.37 | 0.45 | 1.22 | 5.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 1.421 | 0.081 |
| 2 | Tong Bin Lane | 1 | 110 | 2.43 | 8.50 | 0.00 | 4.23 | 10.74 | 13.82 | 94.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 0.31 | 0.00 | 0.00 | 0.28 | 0.35 | 0.94 | 5.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.364 | 0.078 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 195 | 2.33 | 8.40 | 0.00 | 7.15 | 6.06 | 23.39 | 93.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 0.29 | 0.00 | 0.00 | 0.48 | 0.20 | 1.60 | 5.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.420 | 0.083 | |
| 4 | Yip Kan St | 1 | 200 | 2.27 | 8.19 | 0.00 | 6.97 | 11.81 | 22.81 | 91.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.29 | 0.00 | 0.00 | 0.47 | 0.38 | 1.56 | 5.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.444 | 0.083 | |
| 5 | Wong Chuk Hang Road | 2 | 1710 | 1.70 | 6.00 | 0.00 | 7.68 | 11.06 | 2.59 | 13.54 | 4.07 | 0.33 | 1.43 | 3.18 | 4.31 | 6.85 | 4.99 | 39.66 | 1.48 | 0.15 | 0.00 | 0.00 | 0.44 | 0.28 | 0.12 | 0.59 | 0.30 | 0.03 | 0.06 | 0.22 | 0.26 | 0.30 | 0.04 | 0.38 | 0.04 | 1.089 | 0.032 |
| 6 | Wong Chuk Hang Road | 2 | 1990 | 1.70 | 5.94 | 0.28 | 8.11 | 10.80 | 2.22 | 12.60 | 4.49 | 0.28 | 1.64 | 2.73 | 3.71 | 5.88 | 4.29 | 40.00 | 1.46 | 0.15 | 0.00 | 0.01 | 0.47 | 0.27 | 0.10 | 0.55 | 0.33 | 0.03 | 0.07 | 0.19 | 0.23 | 0.26 | 0.03 | 0.38 | 0.04 | 1.061 | 0.031 |
| 7 | Wong Chuk Hang Road | 2 | 820 | 1.01 | 6.61 | 0.00 | 6.40 | 8.38 | 2.70 | 4.70 | 9.69 | 0.34 | 1.99 | 4.42 | 4.50 | 7.14 | 6.94 | 122.25 | 0.88 | 0.09 | 0.00 | 0.00 | 0.37 | 0.21 | 0.13 | 0.21 | 0.71 | 0.03 | 0.08 | 0.30 | 0.27 | 0.32 | 0.05 | 1.17 | 0.02 | 1.880 | 0.040 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 1155 | 1.61 | 4.76 | 0.00 | 8.46 | 9.64 | 3.20 | 14.15 | 2.80 | 0.20 | 1.32 | 1.22 | 2.48 | 3.95 | 2.02 | 8.62 | 1.49 | 0.09 | 0.00 | 0.00 | 0.30 | 0.24 | 0.11 | 0.49 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.19 | 0.02 | 0.09 | 0.02 | 0.659 | 0.021 |
| 9 | Wong Chuk Hang Road | 2 | 1290 | 1.82 | 7.36 | 0.00 | 4.07 | 5.33 | 1.72 | 8.97 | 3.85 | 0.43 | 2.53 | 4.22 | 5.72 | 11.35 | 15.43 | 48.00 | 0.28 | 0.16 | 0.00 | 0.00 | 0.23 | 0.14 | 0.08 | 0.39 | 0.28 | 0.04 | 0.11 | 0.29 | 0.35 | 0.51 | 0.11 | 0.46 | 0.01 | 1.211 | 0.032 |
| 10 | Wong Chuk Hang Road | 2 | 970 | 1.75 | 7.79 | 0.00 | 3.87 | 5.32 | 2.28 | 7.95 | 3.07 | 0.43 | 2.52 | 3.74 | 7.60 | 15.09 | 20.52 | 45.59 | 0.37 | 0.15 | 0.00 | 0.00 | 0.22 | 0.14 | 0.11 | 0.35 | 0.23 | 0.04 | 0.11 | 0.26 | 0.46 | 0.67 | 0.15 | 0.44 | 0.01 | 1.279 | 0.033 |
| 11 | Wong Chuk Hang Road | 2 | 820 | 1.72 | 8.03 | 0.00 | 3.66 | 6.29 | 2.70 | 9.41 | 3.64 | 0.51 | 1.99 | 4.42 | 4.50 | 10.71 | 17.34 | 46.74 | 0.44 | 0.15 | 0.00 | 0.00 | 0.21 | 0.16 | 0.13 | 0.41 | 0.27 | 0.05 | 0.08 | 0.30 | 0.27 | 0.48 | 0.13 | 0.45 | 0.01 | 1.221 | 0.031 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1390 | 1.62 | 4.63 | 0.00 | 8.59 | 10.01 | 2.66 | 14.11 | 3.10 | 0.25 | 1.10 | 2.02 | 2.06 | 3.28 | 0.00 | 7.16 | 1.48 | 0.09 | 0.00 | 0.00 | 0.30 | 0.25 | 0.09 | 0.49 | 0.15 | 0.02 | 0.05 | 0.18 | 0.16 | 0.15 | 0.00 | 0.07 | 0.02 | 0.621 | 0.020 |
| 13 | Wong Chuk Hang Road | 2 | 845 | 0.59 | 4.58 | 0.00 | 4.44 | 6.10 | 0.00 | 0.00 | 11.76 | 0.17 | 0.00 | 2.15 | 4.36 | 6.93 | 20.20 | 251.22 | 0.86 | 0.05 | 0.00 | 0.00 | 0.26 | 0.16 | 0.00 | 0.00 | 0.87 | 0.02 | 0.00 | 0.15 | 0.27 | 0.31 | 0.15 | 2.40 | 0.02 | 3.134 | 0.046 |
| 14 | Wong Chuk Hang Road | 2 | 440 | 0.99 | 7.48 | 0.00 | 5.11 | 7.81 | 0.00 | 8.77 | 9.03 | 0.32 | 1.85 | 4.12 | 8.38 | 13.31 | 19.39 | 107.21 | 0.82 | 0.09 | 0.00 | 0.00 | 0.29 | 0.20 | 0.00 | 0.38 | 0.67 | 0.03 | 0.08 | 0.28 | 0.51 | 0.59 | 0.14 | 1.03 | 0.02 | 1.946 | 0.043 |
| 15 | Wong Chuk Hang Road | 2 | 1810 | 1.69 | 5.99 | 0.30 | 8.08 | 10.92 | 2.45 | 12.79 | 4.39 | 0.31 | 1.35 | 3.01 | 4.07 | 6.47 | 4.71 | 39.09 | 1.40 | 0.15 | 0.00 | 0.01 | 0.47 | 0.28 | 0.11 | 0.56 | 0.32 | 0.03 | 0.06 | 0.21 | 0.25 | 0.29 | 0.04 | 0.37 | 0.04 | 1.070 | 0.032 |
| 16 | Nam Long Shan Road | 1 | 1195 | 2.23 | 8.22 | 0.00 | 5.06 | 7.91 | 2.55 | 8.74 | 4.41 | 0.29 | 1.66 | 4.37 | 8.89 | 17.66 | 23.85 | 87.51 | 0.99 | 0.28 | 0.00 | 0.00 | 0.34 | 0.26 | 0.17 | 0.54 | 0.59 | 0.04 | 0.09 | 0.31 | 0.55 | 0.98 | 0.18 | 0.97 | 0.04 | 1.843 | 0.053 |
| 17 | Heung Yip Road | 1 | 430 | 2.23 | 4.89 | 0.00 | 15.14 | 21.97 | 3.54 | 18.21 | 0.00 | 0.80 | 3.46 | 9.11 | 6.17 | 9.82 | 0.00 | 0.00 | 1.37 | 0.28 | 0.00 | 0.00 | 1.01 | 0.71 | 0.24 | 1.12 | 0.00 | 0.10 | 0.18 | 0.65 | 0.39 | 0.55 | 0.00 | 0.00 | 0.05 | 0.967 | 0.053 |
| 18 | Heung Yip Road | 1 | 535 | 2.29 | 4.37 | 0.00 | 14.77 | 22.07 | 2.84 | 14.64 | 0.00 | 0.96 | 3.70 | 7.32 | 4.96 | 23.67 | 0.00 | 0.00 | 1.10 | 0.29 | 0.00 | 0.00 | 0.99 | 0.71 | 0.19 | 0.90 | 0.00 | 0.13 | 0.19 | 0.52 | 0.31 | 1.31 | 0.00 | 0.00 | 0.04 | 1.027 | 0.056 |
| 19 | Heung Yip Road | 1 | 705 | 2.27 | 4.64 | 0.00 | 14.51 | 21.78 | 2.16 | 14.81 | 0.00 | 0.85 | 4.22 | 7.41 | 11.30 | 17.96 | 0.00 | 0.00 | 1.12 | 0.29 | 0.00 | 0.00 | 0.97 | 0.70 | 0.15 | 0.91 | 0.00 | 0.11 | 0.22 | 0.53 | 0.71 | 1.00 | 0.00 | 0.00 | 0.04 | 1.030 | 0.056 |
| 20 | Yip Fat St | 1 | 365 | 2.34 | 4.49 | 0.00 | 14.01 | 22.65 | 4.17 | 21.45 | 0.00 | 0.94 | 4.07 | 3.58 | 7.27 | 11.57 | 0.00 | 0.00 | 1.08 | 0.30 | 0.00 | 0.00 | 0.94 | 0.73 | 0.28 | 1.32 | 0.00 | 0.12 | 0.21 | 0.26 | 0.45 | 0.64 | 0.00 | 0.00 | 0.04 | 0.976 | 0.053 |
| 21 | Heung Yip Road | 1 | 320 | 2.42 | 5.12 | 0.00 | 14.53 | 22.14 | 0.00 | 8.16 | 0.00 | 0.80 | 4.64 | 4.08 | 8.30 | 13.19 | 0.00 | 0.00 | 1.23 | 0.31 | 0.00 | 0.00 | 0.97 | 0.71 | 0.00 | 0.50 | 0.00 | 0.11 | 0.24 | 0.29 | 0.52 | 0.73 | 0.00 | 0.00 | 0.05 | 0.846 | 0.044 |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| 23 | Yip Fat St | 1 | 235 | 2.38 | 3.98 | 0.00 | 15.83 | 20.10 | 0.00 | 11.11 | 0.00 | 1.10 | 4.22 | 5.56 | 11.30 | 17.96 | 0.00 | 0.00 | 0.84 | 0.30 | 0.00 | 0.00 | 1.06 | 0.65 | 0.00 | 0.68 | 0.00 | 0.14 | 0.22 | 0.40 | 0.71 | 1.00 | 0.00 | 0.00 | 0.03 | 0.944 | 0.052 |
| 24 | Heung Yip Road | 1 | 310 | 2.41 | 4.53 | 0.00 | 15.00 | 22.86 | 0.00 | 8.42 | 0.00 | 0.83 | 4.79 | 4.21 | 8.56 | 13.62 | 0.00 | 0.00 | 1.27 | 0.30 | 0.00 | 0.00 | 1.00 | 0.74 | 0.00 | 0.52 | 0.00 | 0.11 | 0.25 | 0.30 | 0.53 | 0.76 | 0.00 | 0.00 | 0.05 | 0.865 | 0.046 |
| 25 | Heung Yip Road | 1 | 435 | 2.45 | 5.91 | 0.00 | 11.76 | 19.00 | 3.50 | 18.00 | 0.00 | 0.79 | 4.55 | 3.00 | 6.10 | 9.70 | 0.00 | 0.00 | 1.36 | 0.31 | 0.00 | 0.00 | 0.79 | 0.61 | 0.24 | 1.10 | 0.00 | 0.10 | 0.23 | 0.21 | 0.38 | 0.54 | 0.00 | 0.00 | 0.05 | 0.861 | 0.046 |
| 26 | Heung Yip Road | 1 | 490 | 2.40 | 6.20 | 0.00 | 11.39 | 16.87 | 3.10 | 15.98 | 0.00 | 1.05 | 4.04 | 8.00 | 5.42 | 8.62 | 0.00 | 0.00 | 1.21 | 0.30 | 0.00 | 0.00 | 0.76 | 0.54 | 0.21 | 0.98 | 0.00 | 0.14 | 0.21 | 0.57 | 0.34 | 0.48 | 0.00 | 0.00 | 0.05 | 0.843 | 0.046 |
| 27 | Heung Yip Road | 1 | 135 | 2.37 | 5.20 | 0.00 | 13.78 | 26.24 | 0.00 | 19.33 | 0.00 | 0.64 | 3.67 | 9.67 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 0.30 | 0.00 | 0.00 | 0.92 | 0.85 | 0.00 | 1.19 | 0.00 | 0.08 | 0.19 | 0.69 | 0.00 | 0.00 | 0.00 | 0.06 | 0.824 | 0.043 | |
| 28 | Heung Yip Road | 1 | 155 | 2.24 | 4.53 | 0.00 | 12.00 | 22.86 | 0.00 | 16.84 | 0.00 | 1.11 | 6.39 | 8.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 0.28 | 0.00 | 0.00 | 0.80 | 0.74 | 0.00 | 1.03 | 0.00 | 0.15 | 0.33 | 0.60 | 0.00 | 0.00 | 0.00 | 0.10 | 0.769 | 0.040 | |
| 29 | Heung Yip Road | 1 | 280 | 2.29 | 5.01 | 0.00 | 13.28 | 25.31 | 0.00 | 9.32 | 0.00 | 0.92 | 5.31 | 4.66 | 9.48 | 15.08 | 0.00 | 0.00 | 1.41 | 0.29 | 0.00 | 0.00 | 0.89 | 0.82 | 0.00 | 0.57 | 0.00 | 0.12 | 0.27 | 0.33 | 0.59 | 0.84 | 0.00 | 0.00 | 0.05 | 0.921 | 0.048 |
| 30 | Nam Long Shan Road | 1 | 45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 536.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 | 0.00 | 5.714 | 0.107 | |
| 31 | Nam Long Shan Road | 1 | 675 | 2.21 | 10.74 | 0.00 | 5.51 | 8.75 | 2.25 | 3.87 | 2.34 | 0.51 | 2.94 | 5.80 | 3.93 | 12.51 | 30.16 | 47.67 | 0.88 | 0.28 | 0.00 | 0.00 | 0.37 | 0.28 | 0.15 | 0.24 | 0.32 | 0.07 | 0.15 | 0.42 | 0.25 | 0.69 | 0.23 | 0.53 | 0.03 | 1.401 | 0.040 |
| 32 | Nam Long Shan Road | 1 | 705 | 2.20 | 10.95 | 0.00 | 5.28 | 8.38 | 2.16 | 11.11 | 2.24 | 0.49 | 2.81 | 5.56 | 3.77 | 11.98 | 28.87 | 45.64 | 0.84 | 0.28 | 0.00 | 0.00 | 0.35 | 0.27 | 0.15 | 0.68 | 0.30 | 0.06 | 0.14 | 0.40 | 0.24 | 0.66 | 0.22 | 0.51 | 0.03 | 1.422 | 0.043 |
| 33 | Welfare Road | 1 | 50 | 3.20 | 9.35 | 0.00 | 9.30 | 23.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.62 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.455 | 0.018 | |
| 34 | Welfare Road | 1 | 65 | 3.28 | 10.79 | 0.00 | 7.15 | 18.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.48 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.394 | 0.015 | |
| 35 | Shum Wan Road | 1 | 475 | 1.69 | 13.29 | 0.00 | 3.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 19-20)

Emission Factor Calculations (Hour: 00-01)

| Hour: 19-20 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|--------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP |
| 1 | Yip Hing St | 1 | 70 | 2.28 | 6.67 | 0.00 | 6.61 | 16.69 | 21.87 | 74.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 0.29 | 0.00 | 0.00 | 0.44 | 0.53 | 1.49 | 4.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.313 | 0.074 | |
| 2 | Tong Bin Lane | 1 | 90 | 2.36 | 7.78 | 0.00 | 5.14 | 12.98 | 17.01 | 86.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 0.30 | 0.00 | 0.00 | 0.35 | 0.42 | 1.16 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 1.343 | 0.076 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 145 | 2.38 | 8.05 | 0.00 | 6.38 | 8.06 | 21.11 | 89.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 0.30 | 0.00 | 0.00 | 0.43 | 0.26 | 1.44 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.371 | 0.080 | | |
| 4 | Yip Kan St | 1 | 160 | 2.33 | 8.75 | 0.00 | 5.79 | 7.30 | 19.13 | 97.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 0.29 | 0.00 | 0.00 | 0.39 | 0.23 | 1.30 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.422 | 0.083 | | | |
| 5 | Wong Chuk Hang Road | 2 | 1420 | 1.73 | 6.13 | 0.00 | 7.66 | 10.89 | 2.34 | 12.22 | 4.20 | 0.35 | 1.43 | 3.19 | 3.89 | 6.18 | 4.00 | 39.43 | 1.40 | 0.15 | 0.00 | 0.00 | 0.44 | 0.28 | 0.11 | 0.53 | 0.31 | 0.03 | 0.06 | 0.22 | 0.24 | 0.28 | 0.03 | 0.38 | 0.04 | 1.050 | 0.031 |
| 6 | Wong Chuk Hang Road | 2 | 1655 | 1.72 | 5.96 | 0.17 | 7.93 | 10.90 | 2.00 | 12.82 | 4.50 | 0.30 | 1.72 | 2.74 | 3.34 | 5.30 | 3.44 | 40.95 | 1.42 | 0.15 | 0.00 | 0.01 | 0.46 | 0.28 | 0.09 | 0.56 | 0.33 | 0.03 | 0.07 | 0.19 | 0.20 | 0.24 | 0.03 | 0.39 | 0.04 | 1.052 | 0.031 |
| 7 | Wong Chuk Hang Road | 2 | 680 | 1.05 | 6.54 | 0.00 | 6.06 | 7.58 | 1.63 | 5.67 | 10.22 | 0.31 | 1.80 | 4.00 | 5.42 | 8.61 | 8.36 | 121.35 | 0.80 | 0.09 | 0.00 | 0.00 | 0.35 | 0.19 | 0.08 | 0.25 | 0.75 | 0.03 | 0.08 | 0.27 | 0.33 | 0.38 | 0.06 | 1.16 | 0.02 | 1.894 | 0.040 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 965 | 1.61 | 4.71 | 0.00 | 8.24 | 9.37 | 2.87 | 13.55 | 2.79 | 0.24 | 1.58 | 1.45 | 2.97 | 4.72 | 0.00 | 10.31 | 1.42 | 0.09 | 0.00 | 0.00 | 0.29 | 0.23 | 0.10 | 0.47 | 0.14 | 0.01 | 0.07 | 0.13 | 0.24 | 0.22 | 0.00 | 0.11 | 0.02 | 0.659 | 0.021 |
| 9 | Wong Chuk Hang Road | 2 | 1060 | 1.88 | 7.11 | 0.00 | 3.89 | 4.86 | 2.09 | 9.09 | 3.75 | 0.40 | 2.31 | 4.28 | 5.22 | 11.04 | 13.41 | 50.04 | 0.34 | 0.16 | 0.00 | 0.00 | 0.22 | 0.12 | 0.10 | 0.40 | 0.28 | 0.04 | 0.10 | 0.29 | 0.32 | 0.49 | 0.10 | 0.48 | 0.01 | 1.197 | 0.031 |
| 10 | Wong Chuk Hang Road | 2 | 795 | 1.80 | 7.54 | 0.00 | 3.77 | 5.40 | 2.78 | 7.28 | 3.12 | 0.44 | 2.05 | 3.42 | 6.95 | 14.72 | 17.88 | 48.19 | 0.46 | 0.16 | 0.00 | 0.00 | 0.22 | 0.14 | 0.13 | 0.32 | 0.23 | 0.04 | 0.09 | 0.23 | 0.42 | 0.66 | 0.13 | 0.46 | 0.01 | 1.258 | 0.032 |
| 11 | Wong Chuk Hang Road | 2 | 660 | 1.81 | 7.91 | 0.00 | 3.41 | 6.51 | 3.35 | 8.76 | 3.76 | 0.42 | 1.85 | 4.12 | 2.79 | 8.87 | 12.92 | 49.12 | 0.55 | 0.16 | 0.00 | 0.00 | 0.20 | 0.17 | 0.16 | 0.38 | 0.28 | 0.04 | 0.08 | 0.28 | 0.17 | 0.40 | 0.10 | 0.47 | 0.01 | 1.162 | 0.029 |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 1160 | 1.63 | 4.73 | 0.00 | 8.42 | 9.59 | 2.39 | 12.68 | 2.78 | 0.25 | 1.32 | 1.82 | 2.47 | 3.93 | 0.00 | 8.58 | 1.48 | 0.09 | 0.00 | 0.00 | 0.30 | 0.24 | 0.08 | 0.44 | 0.14 | 0.02 | 0.06 | 0.16 | 0.20 | 0.19 | 0.00 | 0.09 | 0.02 | 0.621 | 0.020 |
| 13 | Wong Chuk Hang Road | 2 | 705 | 0.55 | 4.66 | 0.00 | 4.25 | 6.09 | 0.00 | 0.00 | 12.68 | 0.20 | 0.00 | 2.57 | 5.23 | 8.30 | 20.16 | 246.63 | 0.77 | 0.05 | 0.00 | 0.00 | 0.24 | 0.16 | 0.00 | 0.00 | 0.93 | 0.02 | 0.00 | 0.18 | 0.32 | 0.37 | 0.15 | 2.36 | 0.02 | 3.121 | 0.048 |
| 14 | Wong Chuk Hang Road | 2 | 360 | 1.02 | 6.98 | 0.00 | 5.21 | 7.16 | 0.00 | 5.36 | 9.65 | 0.39 | 2.26 | 5.04 | 5.12 | 8.13 | 23.69 | 106.42 | 1.01 | 0.09 | 0.00 | 0.00 | 0.30 | 0.18 | 0.00 | 0.23 | 0.71 | 0.04 | 0.10 | 0.35 | 0.31 | 0.36 | 0.18 | 1.02 | 0.03 | 1.874 | 0.039 |
| 15 | Wong Chuk Hang Road | 2 | 1515 | 1.72 | 6.00 | 0.18 | 7.92 | 10.77 | 2.19 | 11.45 | 4.59 | 0.32 | 1.34 | 2.99 | 3.65 | 5.79 | 5.63 | 40.85 | 1.31 | 0.15 | 0.00 | 0.01 | 0.46 | 0.27 | 0.10 | 0.50 | 0.34 | 0.03 | 0.06 | 0.21 | 0.22 | 0.26 | 0.04 | 0.39 | 0.03 | 1.067 | 0.031 |
| 16 | Nam Long Shan Road | 1 | 985 | 2.24 | 8.06 | 0.00 | 5.17 | 7.12 | 3.11 | 7.93 | 4.80 | 0.35 | 2.01 | 3.97 | 8.08 | 17.13 | 20.65 | 85.07 | 1.00 | 0.28 | 0.00 | 0.00 | 0.35 | 0.23 | 0.21 | 0.49 | 0.65 | 0.05 | 0.10 | 0.28 | 0.50 | 0.95 | 0.16 | 0.94 | 0.04 | 1.767 | 0.052 |
| 17 | Heung Yip Road | 1 | 345 | 2.31 | 4.74 | 0.00 | 14.76 | 20.31 | 4.44 | 15.10 | 0.00 | 1.00 | 2.87 | 7.56 | 7.69 | 12.23 | 0.00 | 0.00 | 1.14 | 0.29 | 0.00 | 0.00 | 0.99 | 0.65 | 0.30 | 0.93 | 0.00 | 0.13 | 0.15 | 0.54 | 0.48 | 0.68 | 0.00 | 0.00 | 0.04 | 0.941 | 0.052 |
| 18 | Heung Yip Road | 1 | 430 | 2.35 | 4.34 | 0.00 | 13.99 | 21.73 | 3.56 | 12.11 | 0.00 | 1.00 | 4.61 | 6.06 | 6.17 | 19.62 | 0.00 | 0.00 | 0.91 | 0.30 | 0.00 | 0.00 | 0.94 | 0.70 | 0.24 | 0.74 | 0.00 | 0.13 | 0.24 | 0.43 | 0.39 | 1.09 | 0.00 | 0.00 | 0.03 | 0.965 | 0.052 |
| 19 | Heung Yip Road | 1 | 570 | 2.33 | 4.50 | 0.00 | 13.80 | 20.49 | 2.69 | 13.71 | 0.00 | 0.91 | 4.35 | 6.86 | 9.31 | 14.80 | 0.00 | 0.00 | 1.38 | 0.29 | 0.00 | 0.00 | 0.93 | 0.66 | 0.18 | 0.84 | 0.00 | 0.12 | 0.22 | 0.49 | 0.58 | 0.82 | 0.00 | 0.00 | 0.05 | 0.951 | 0.052 |
| 20 | Yip Fat St | 1 | 280 | 2.47 | 4.17 | 0.00 | 13.22 | 20.86 | 5.47 | 18.60 | 0.00 | 0.92 | 3.54 | 4.66 | 9.48 | 15.07 | 0.00 | 0.00 | 0.70 | 0.31 | 0.00 | 0.00 | 0.89 | 0.67 | 0.37 | 1.14 | 0.00 | 0.12 | 0.18 | 0.33 | 0.59 | 0.84 | 0.00 | 0.00 | 0.03 | 0.992 | 0.055 |
| 21 | Heung Yip Road | 1 | 260 | 2.56 | 5.39 | 0.00 | 14.24 | 17.97 | 0.00 | 10.02 | 0.00 | 0.66 | 3.81 | 5.01 | 10.21 | 16.23 | 0.00 | 0.00 | 0.76 | 0.32 | 0.00 | 0.00 | 0.96 | 0.58 | 0.00 | 0.62 | 0.00 | 0.09 | 0.19 | 0.36 | 0.64 | 0.90 | 0.00 | 0.00 | 0.03 | 0.868 | 0.047 |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | |
| 23 | Yip Fat St | 1 | 185 | 2.44 | 3.78 | 0.00 | 15.01 | 18.94 | 0.00 | 14.08 | 0.00 | 0.93 | 2.68 | 7.05 | 14.34 | 22.81 | 0.00 | 0.00 | 1.06 | 0.31 | 0.00 | 0.00 | 1.01 | 0.61 | 0.00 | 0.86 | 0.00 | 0.12 | 0.14 | 0.50 | 0.90 | 1.27 | 0.00 | 0.00 | 0.04 | 1.031 | 0.058 |
| 24 | Heung Yip Road | 1 | 250 | 2.55 | 4.67 | 0.00 | 14.81 | 18.69 | 0.00 | 10.42 | 0.00 | 0.69 | 3.96 | 5.21 | 10.61 | 16.88 | 0.00 | 0.00 | 0.79 | 0.32 | 0.00 | 0.00 | 1.00 | 0.60 | 0.00 | 0.64 | 0.00 | 0.09 | 0.20 | 0.37 | 0.66 | 0.94 | 0.00 | 0.00 | 0.03 | 0.893 | 0.049 |
| 25 | Heung Yip Road | 1 | 345 | 2.54 | 6.09 | 0.00 | 10.73 | 16.93 | 4.44 | 15.10 | 0.00 | 0.75 | 4.31 | 3.78 | 7.69 | 12.23 | 0.00 | 0.00 | 1.14 | 0.32 | 0.00 | 0.00 | 0.72 | 0.54 | 0.30 | 0.93 | 0.00 | 0.10 | 0.22 | 0.27 | 0.48 | 0.68 | 0.00 | 0.00 | 0.04 | 0.857 | 0.046 |
| 26 | Heung Yip Road | 1 | 405 | 2.50 | 6.34 | 0.00 | 11.43 | 14.42 | 3.78 | 12.86 | 0.00 | 1.06 | 3.67 | 6.44 | 6.55 | 10.42 | 0.00 | 0.00 | 0.97 | 0.31 | 0.00 | 0.00 | 0.77 | 0.46 | 0.26 | 0.79 | 0.00 | 0.14 | 0.19 | 0.46 | 0.41 | 0.58 | 0.00 | 0.00 | 0.03 | 0.804 | 0.044 |
| 27 | Heung Yip Road | 1 | 110 | 2.42 | 4.24 | 0.00 | 12.62 | 21.24 | 0.00 | 23.67 | 0.00 | 0.78 | 4.50 | 11.85 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 0.30 | 0.00 | 0.00 | 0.85 | 0.68 | 0.00 | 1.45 | 0.00 | 0.10 | 0.23 | 0.85 | 0.00 | 0.00 | 0.00 | 0.06 | 0.831 | 0.045 | |
| 28 | Heung Yip Road | 1 | 120 | 2.66 | 3.89 | 0.00 | 11.57 | 19.47 | 0.00 | 21.70 | 0.00 | 0.72 | 4.13 | 10.86 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 0.34 | 0.00 | 0.00 | 0.78 | 0.62 | 0.00 | 1.33 | 0.00 | 0.09 | 0.21 | 0.78 | 0.00 | 0.00 | 0.00 | 0.06 | 0.766 | 0.042 | |
| 29 | Heung Yip Road | 1 | 215 | 2.47 | 4.34 | 0.00 | 12.92 | 21.73 | 0.00 | 12.11 | 0.00 | 0.80 | 4.61 | 6.06 | 12.34 | 19.62 | 0.00 | 0.00 | 0.91 | 0.31 | 0.00 | 0.00 | 0.87 | 0.70 | 0.00 | 0.74 | 0.00 | 0.11 | 0.24 | 0.43 | 0.77 | 1.09 | 0.00 | 0.00 | 0.03 | 0.979 | 0.053 |
| 30 | Nam Long Shan Road | 1 | 35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 570.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.31 | 0.00 | 6.001 | 0.103 | | |
| 31 | Nam Long Shan Road | 1 | 535 | 2.29 | 10.47 | 0.00 | 5.19 | 8.73 | 2.86 | 4.87 | 1.97 | 0.48 | 2.78 | 4.87 | 4.96 | 15.77 | 22.82 | 52.21 | 0.73 | 0.29 | 0.00 | 0.00 | 0.35 | 0.28 | 0.19 | 0.30 | 0.26 | 0.06 | 0.14 | 0.35 | 0.31 | 0.88 | 0.17 | 0.58 | 0.03 | 1.410 | 0.042 |
| 32 | Nam Long Shan Road | 1 | 555 | 2.30 | 10.51 | 0.00 | 5.00 | 8.42 | 2.76 | 9.38 | 1.89 | 0.47 | 2.68 | 4.70 | 4.78 | 15.20 | 21.99 | 50.33 | 0.71 | 0.29 | 0.00 | 0.00 | 0.34 | 0.27 | 0.19 | 0.58 | 0.25 | 0.06 | 0.14 | 0.34 | 0.30 | 0.84 | 0.17 | 0.56 | 0.03 | 1.411 | 0.043 |
| 33 | Welfare Road | 1 | 40 | 3.32 | 5.83 | 0.00 | 11.57 | 29.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.00 | 0.78 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.499 | 0.021 | |
| 34 | Welfare Road | 1 | 55 | 3.38 | 8.49 | 0.00 | 8.42 | 21.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.57 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.415 | 0.017 | |
| 35 | Shum Wan Road | 1 | 375 | 1.70 | 12.45 | 0.00 | 4.94 | 6.23 | 0.00 | 0.00 | 4.21 | 0.69 | 3.96</ | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 20-21)

Traffic (Hour: 20-21)

| Hour: 20-21 | | Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | |
|-------------|---------------------------------|----------|------|-----------|----------------|---------------------|------|------|------|------|-----|-----|-----|------|------|------|-------|-------|-------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PC | Taxi | | | | | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 60 | 20 | 10 | 0 | 5 | 5 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 33.33 | 16.67 | 0.00 | 8.33 | 8.33 | 8.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | |
| 2 | Tong Bin Lane | 1 | 70 | 30 | 10 | 0 | 5 | 5 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 42.86 | 14.29 | 0.00 | 7.14 | 7.14 | 7.14 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.14 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 120 | 50 | 20 | 0 | 10 | 5 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 5 | 41.67 | 16.67 | 0.00 | 8.33 | 4.17 | 8.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | | |
| 4 | Yip Kan St | 1 | 120 | 50 | 20 | 0 | 10 | 5 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 5 | 41.67 | 16.67 | 0.00 | 8.33 | 4.17 | 8.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | | |
| 5 | Wong Chuk Hang Road | 2 | 1145 | 460 | 185 | 0 | 115 | 70 | 10 | 35 | 50 | 30 | 20 | 20 | 10 | 10 | 45 | 40.17 | 16.16 | 0.00 | 10.04 | 6.11 | 0.87 | 3.06 | 4.37 | 2.62 | 1.75 | 0.87 | 0.87 | 0.44 | 6.99 | 3.93 | | | |
| 6 | Wong Chuk Hang Road | 2 | 1325 | 535 | 210 | 5 | 140 | 80 | 10 | 40 | 65 | 30 | 25 | 20 | 10 | 10 | 50 | 40.38 | 15.85 | 0.38 | 10.57 | 6.04 | 0.75 | 3.02 | 4.91 | 2.26 | 1.89 | 1.51 | 0.75 | 0.75 | 0.38 | 6.79 | 3.77 | | |
| 7 | Wong Chuk Hang Road | 2 | 555 | 140 | 90 | 0 | 45 | 25 | 5 | 5 | 55 | 15 | 15 | 15 | 5 | 5 | 15 | 25.23 | 16.22 | 0.00 | 8.11 | 4.50 | 0.90 | 0.90 | 9.91 | 2.70 | 2.70 | 2.70 | 0.90 | 0.90 | 0.90 | 20.72 | 2.70 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 760 | 350 | 120 | 0 | 90 | 50 | 10 | 30 | 20 | 15 | 15 | 5 | 5 | 15 | 30 | 46.05 | 15.79 | 0.00 | 11.84 | 6.58 | 1.32 | 3.95 | 2.63 | 1.97 | 1.97 | 0.66 | 0.66 | 0.66 | 0.00 | 1.97 | 3.95 | | |
| 9 | Wong Chuk Hang Road | 2 | 865 | 380 | 170 | 0 | 45 | 25 | 5 | 20 | 30 | 25 | 25 | 15 | 10 | 15 | 20 | 43.93 | 19.65 | 0.00 | 5.20 | 2.89 | 0.58 | 2.31 | 3.47 | 2.89 | 2.89 | 1.73 | 1.16 | 1.73 | 2.31 | 8.67 | 0.58 | | |
| 10 | Wong Chuk Hang Road | 2 | 650 | 280 | 135 | 0 | 30 | 20 | 5 | 15 | 20 | 15 | 15 | 10 | 10 | 15 | 20 | 43.08 | 20.77 | 0.00 | 4.62 | 3.08 | 0.77 | 2.31 | 3.08 | 2.31 | 2.31 | 1.54 | 1.54 | 2.31 | 3.08 | 8.46 | 0.77 | | |
| 11 | Wong Chuk Hang Road | 2 | 545 | 230 | 120 | 0 | 25 | 15 | 5 | 15 | 20 | 15 | 10 | 10 | 5 | 10 | 15 | 42.20 | 22.02 | 0.00 | 4.59 | 2.75 | 0.92 | 2.75 | 3.67 | 2.75 | 1.83 | 1.83 | 0.92 | 1.83 | 2.75 | 8.26 | 0.92 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 925 | 430 | 145 | 0 | 105 | 65 | 10 | 35 | 25 | 20 | 15 | 10 | 5 | 5 | 15 | 46.49 | 15.68 | 0.00 | 11.35 | 7.03 | 1.08 | 3.78 | 2.70 | 2.16 | 1.62 | 1.08 | 0.54 | 0.54 | 0.00 | 1.62 | 4.32 | | |
| 13 | Wong Chuk Hang Road | 2 | 545 | 70 | 65 | 0 | 30 | 15 | 0 | 0 | 75 | 10 | 0 | 5 | 5 | 5 | 20 | 12.84 | 11.93 | 0.00 | 5.50 | 2.75 | 0.00 | 0.00 | 13.76 | 1.83 | 0.00 | 0.92 | 0.92 | 0.92 | 3.67 | 43.12 | 1.83 | | |
| 14 | Wong Chuk Hang Road | 2 | 280 | 70 | 55 | 0 | 20 | 10 | 0 | 5 | 30 | 5 | 5 | 5 | 5 | 10 | 50 | 25.00 | 19.64 | 0.00 | 7.14 | 3.57 | 0.00 | 1.79 | 10.71 | 1.79 | 1.79 | 1.79 | 1.79 | 3.57 | 17.86 | 1.79 | | | |
| 15 | Wong Chuk Hang Road | 2 | 1220 | 490 | 195 | 5 | 125 | 75 | 10 | 35 | 55 | 30 | 20 | 20 | 10 | 10 | 10 | 40.16 | 15.98 | 0.41 | 10.25 | 6.15 | 0.82 | 2.87 | 4.51 | 2.46 | 1.64 | 1.64 | 0.82 | 0.82 | 0.82 | 6.97 | 3.69 | | |
| 16 | Nam Long Shan Road | 1 | 810 | 345 | 150 | 0 | 40 | 25 | 5 | 15 | 35 | 15 | 15 | 15 | 10 | 15 | 20 | 42.59 | 18.52 | 0.00 | 4.94 | 3.09 | 0.62 | 1.85 | 4.32 | 1.85 | 1.85 | 1.85 | 1.23 | 1.85 | 2.47 | 10.49 | 2.47 | | |
| 17 | Heung Yip Road | 1 | 275 | 115 | 25 | 0 | 40 | 25 | 5 | 10 | 0 | 15 | 10 | 10 | 5 | 5 | 0 | 10 | 41.82 | 9.09 | 0.00 | 14.55 | 9.09 | 1.82 | 3.64 | 0.00 | 5.45 | 3.64 | 3.64 | 1.82 | 1.82 | 0.00 | 0.00 | 3.64 | |
| 18 | Heung Yip Road | 1 | 335 | 150 | 30 | 0 | 45 | 30 | 5 | 10 | 0 | 15 | 15 | 10 | 5 | 10 | 0 | 10 | 44.78 | 8.96 | 0.00 | 13.43 | 8.96 | 1.49 | 2.99 | 0.00 | 4.48 | 4.48 | 2.99 | 2.99 | 0.00 | 0.00 | 2.99 | | |
| 19 | Heung Yip Road | 1 | 435 | 195 | 40 | 0 | 60 | 35 | 5 | 10 | 0 | 25 | 20 | 10 | 10 | 0 | 15 | 44.83 | 9.20 | 0.00 | 13.79 | 8.05 | 1.15 | 2.30 | 0.00 | 5.75 | 4.60 | 2.30 | 2.30 | 2.30 | 0.00 | 0.00 | 3.45 | | |
| 20 | Yip Fat St | 1 | 225 | 100 | 20 | 0 | 30 | 20 | 5 | 10 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 5 | 44.44 | 8.89 | 0.00 | 13.33 | 8.89 | 2.22 | 4.44 | 0.00 | 4.44 | 4.44 | 2.22 | 2.22 | 2.22 | 0.00 | 0.00 | 2.22 | |
| 21 | Heung Yip Road | 1 | 210 | 100 | 20 | 0 | 30 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 5 | 47.62 | 9.52 | 0.00 | 14.29 | 7.14 | 0.00 | 2.38 | 0.00 | 4.76 | 4.76 | 2.38 | 2.38 | 0.00 | 0.00 | 2.38 | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 155 | 65 | 15 | 0 | 25 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 5 | 5 | 0 | 5 | 41.94 | 9.68 | 0.00 | 16.13 | 6.45 | 0.00 | 3.23 | 0.00 | 6.45 | 3.23 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 3.23 | |
| 24 | Heung Yip Road | 1 | 200 | 95 | 15 | 0 | 30 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 5 | 47.50 | 7.50 | 0.00 | 15.00 | 7.50 | 0.00 | 2.50 | 0.00 | 5.00 | 5.00 | 2.50 | 2.50 | 0.00 | 0.00 | 2.50 | | |
| 25 | Heung Yip Road | 1 | 275 | 130 | 35 | 0 | 30 | 20 | 5 | 10 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 10 | 47.27 | 12.73 | 0.00 | 10.91 | 7.27 | 1.82 | 3.64 | 0.00 | 3.64 | 3.64 | 1.82 | 1.82 | 1.82 | 0.00 | 0.00 | 3.64 | |
| 26 | Heung Yip Road | 1 | 320 | 150 | 40 | 0 | 35 | 20 | 5 | 10 | 0 | 15 | 15 | 10 | 5 | 5 | 0 | 10 | 46.88 | 12.50 | 0.00 | 10.94 | 6.25 | 1.56 | 3.13 | 0.00 | 4.69 | 4.69 | 3.13 | 1.56 | 1.56 | 0.00 | 0.00 | 3.13 | |
| 27 | Heung Yip Road | 1 | 95 | 40 | 10 | 0 | 10 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 42.11 | 10.53 | 0.00 | 10.53 | 10.53 | 0.00 | 5.26 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 0.00 | 0.00 | 5.26 | | |
| 28 | Heung Yip Road | 1 | 110 | 50 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 45.45 | 9.09 | 0.00 | 13.64 | 9.09 | 0.00 | 4.55 | 0.00 | 4.55 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 4.55 | | |
| 29 | Heung Yip Road | 1 | 175 | 75 | 15 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 5 | 42.86 | 8.57 | 0.00 | 14.29 | 8.57 | 0.00 | 2.86 | 0.00 | 5.71 | 5.71 | 2.86 | 2.86 | 2.86 | 0.00 | 0.00 | 2.86 | |
| 30 | Nam Long Shan Road | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 15 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 60.00 | 0.00 | | | |
| 31 | Nam Long Shan Road | 1 | 455 | 190 | 105 | 0 | 20 | 15 | 5 | 5 | 10 | 15 | 15 | 10 | 5 | 10 | 15 | 25 | 41.76 | 23.08 | 0.00 | 4.40 | 3.30 | 1.10 | 1.10 | 2.20 | 3.30 | 2.20 | 1.10 | 2.20 | 3.30 | 5.49 | 2.20 | | |
| 32 | Nam Long Shan Road | 1 | 455 | 190 | 105 | 0 | 20 | 15 | 5 | 10 | 10 | 15 | 10 | 10 | 5 | 10 | 15 | 25 | 41.76 | 23.08 | 0.00 | 4.40 | 3.30 | 1.10 | 2.20 | 2.20 | 3.30 | 2.20 | 1.10 | 2.20 | 3.30 | 5.49 | 2.20 | | |
| 33 | Welfare Road | 1 | 35 | 20 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57.14 | 14.29 | 0.00 | 14.29 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 34 | Welfare Road | 1 | 45 | 25 | 10 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55.56 | 22.22 | 0.00 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35 | Shum Wan Road | 1 | 340 | 110 | 95 | 0 | 15 | 10 | 0 | 0 | 15 | 15 | 10 | 10 | 15 | 15 | 5 | 32.35 | 27.94 | 0.00 | 4.41 | 2.94 | 0.00 | 0.00 | 4.41 | 4.41 | 2.94 | 2.94 | 2.94 | 4.41 | 4.41 | 4.41 | 1.47 | | |
| 36 | Shum Wan Road | 1 | 300 | 95 | 75 | 0 | 15 | 10 | 0 | 0 | 15 | 15 | 10 | 10 | 15 | 15 | 5 | 31.67 | 25.00 | 0.00 | 5.00 | 3.33 | 0.00 | 0.00 | 5.00 | 5.00 | 3.33 | 3.33 | 3.33 | 5.00 | 3.33 | 5.00 | 1.67 | | |
| 37 | Shum Wan Pier Drive | 1 | 85 | 30 | 10 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 35.29 | 11.76 | 0.00 | 5.88 | 5.88 | 0.00 | 0.00 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 0.00 | 5.88 | 0.00 | | |
| 38 | Nam Long Shan Road | 1 | 440 | 185 | 90 | 0 | 25 | 15 | 5 | 10 | 10 | 15 | 15 | 10 | 5 | 10 | 10 | 25 | 42.05 | 20.45 | 0.00 | 5.68 | 3.41 | 1.14 | 2.27 | 2.27 | 3.41 | 3.41 | 2.27 | 1.14 | 2.27 | 2.27 | 5.68 | 2.27 | |
| 39 | Nam Long Shan Road | 1 | 55 | 30 | 10 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 54.55 | 18.18 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | | |
| 40 | Nam Long Shan Road | 1 | 55 | 35 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 63.64 | 9.09 | 0.00 | 9.09 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.09 | 0.00 | | |
| 41 | Police School Road | 1 | 395 | 170 | 85 | 0 | 20 | 10 | 0 | 5 | 10 | 15 | 10 | 10 | 5 | 10 | 10 | 43.04 | 21.52 | 0.00 | 5.06 | 2.53 | 0.00 | 1.27 | 2.53 | 3.80 | 2.53 | 2.53 | 1.27 | 2.53 | 2.53 | 6.33 | 2.53 | | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 20-21)

Emission Factor Calculations (Hour: 00-01)

| Hour: 20-21 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|--------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 60 | 1.73 | 7.68 | 0.00 | 7.46 | 18.40 | 22.14 | 77.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 0.21 | 0.00 | 0.00 | 0.49 | 0.58 | 1.34 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 1.380 | 0.071 | | |
| 2 | Tong Bin Lane | 1 | 70 | 2.23 | 6.59 | 0.00 | 6.40 | 15.77 | 18.97 | 66.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 0.27 | 0.00 | 0.00 | 0.42 | 0.49 | 1.15 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.190 | 0.062 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 120 | 2.17 | 7.68 | 0.00 | 7.46 | 9.20 | 22.14 | 77.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 0.26 | 0.00 | 0.00 | 0.49 | 0.29 | 1.34 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 1.276 | 0.068 | | | |
| 4 | Yip Kan St | 1 | 120 | 2.17 | 7.68 | 0.00 | 7.46 | 9.20 | 22.14 | 77.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 0.26 | 0.00 | 0.00 | 0.49 | 0.29 | 1.34 | 4.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 1.276 | 0.068 | | | |
| 5 | Wong Chuk Hang Road | 2 | 1145 | 1.74 | 6.24 | 0.00 | 7.52 | 10.49 | 1.93 | 11.78 | 4.33 | 0.37 | 1.42 | 3.16 | 3.22 | 5.11 | 2.48 | 41.14 | 1.37 | 0.15 | 0.00 | 0.00 | 0.43 | 0.27 | 0.09 | 0.51 | 0.32 | 0.03 | 0.06 | 0.22 | 0.20 | 0.23 | 0.02 | 0.39 | 0.03 | 1.023 | 0.030 | |
| 6 | Wong Chuk Hang Road | 2 | 1325 | 1.75 | 6.12 | 0.21 | 7.92 | 10.36 | 1.67 | 11.63 | 4.87 | 0.32 | 1.54 | 2.73 | 2.78 | 4.41 | 2.14 | 40.00 | 1.31 | 0.15 | 0.00 | 0.01 | 0.46 | 0.26 | 0.08 | 0.51 | 0.36 | 0.03 | 0.07 | 0.19 | 0.17 | 0.20 | 0.02 | 0.38 | 0.02 | 0.998 | 0.029 | |
| 7 | Wong Chuk Hang Road | 2 | 555 | 1.09 | 6.26 | 0.00 | 6.07 | 7.73 | 1.99 | 3.47 | 9.83 | 0.38 | 2.20 | 4.90 | 3.32 | 5.27 | 5.12 | 122.02 | 0.94 | 0.09 | 0.00 | 0.00 | 0.35 | 0.20 | 0.09 | 0.15 | 0.73 | 0.04 | 0.09 | 0.34 | 0.20 | 0.23 | 0.04 | 1.17 | 0.02 | 1.806 | 0.037 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 760 | 1.64 | 4.94 | 0.00 | 8.56 | 9.14 | 2.43 | 12.89 | 2.83 | 0.23 | 1.51 | 0.92 | 1.88 | 3.00 | 0.00 | 0.00 | 9.81 | 1.35 | 0.09 | 0.00 | 0.00 | 0.30 | 0.23 | 0.08 | 0.45 | 0.14 | 0.01 | 0.07 | 0.08 | 0.15 | 0.14 | 0.00 | 0.10 | 0.02 | 0.611 | 0.019 |
| 9 | Wong Chuk Hang Road | 2 | 865 | 1.90 | 7.59 | 0.00 | 3.90 | 4.96 | 1.28 | 8.91 | 3.44 | 0.40 | 2.35 | 3.14 | 4.26 | 10.14 | 13.13 | 51.06 | 0.20 | 0.16 | 0.00 | 0.00 | 0.22 | 0.13 | 0.06 | 0.39 | 0.25 | 0.04 | 0.10 | 0.22 | 0.26 | 0.45 | 0.10 | 0.49 | 0.00 | 1.167 | 0.029 | |
| 10 | Wong Chuk Hang Road | 2 | 650 | 1.87 | 8.02 | 0.00 | 3.46 | 5.28 | 1.70 | 8.89 | 3.05 | 0.32 | 1.88 | 2.79 | 5.67 | 13.49 | 17.48 | 49.83 | 0.27 | 0.16 | 0.00 | 0.00 | 0.20 | 0.13 | 0.08 | 0.39 | 0.23 | 0.03 | 0.08 | 0.19 | 0.34 | 0.60 | 0.13 | 0.48 | 0.00 | 1.240 | 0.030 | |
| 11 | Wong Chuk Hang Road | 2 | 545 | 1.83 | 8.50 | 0.00 | 3.44 | 4.72 | 2.03 | 10.60 | 3.64 | 0.39 | 1.49 | 3.32 | 3.38 | 10.73 | 15.64 | 48.62 | 0.32 | 0.16 | 0.00 | 0.00 | 0.20 | 0.12 | 0.09 | 0.46 | 0.27 | 0.04 | 0.06 | 0.23 | 0.21 | 0.48 | 0.12 | 0.47 | 0.01 | 1.187 | 0.029 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 925 | 1.66 | 4.91 | 0.00 | 8.20 | 9.77 | 2.00 | 12.36 | 2.90 | 0.25 | 1.24 | 1.52 | 1.55 | 2.46 | 0.00 | 8.06 | 1.48 | 0.09 | 0.00 | 0.00 | 0.29 | 0.25 | 0.07 | 0.43 | 0.14 | 0.02 | 0.06 | 0.14 | 0.12 | 0.12 | 0.00 | 0.08 | 0.02 | 0.584 | 0.018 | |
| 13 | Wong Chuk Hang Road | 2 | 545 | 0.56 | 4.61 | 0.00 | 4.12 | 4.72 | 0.00 | 0.00 | 13.65 | 0.26 | 0.00 | 1.66 | 3.38 | 5.36 | 20.85 | 253.92 | 0.64 | 0.05 | 0.00 | 0.00 | 0.24 | 0.12 | 0.00 | 0.00 | 1.01 | 0.02 | 0.00 | 0.11 | 0.21 | 0.24 | 0.16 | 2.43 | 0.01 | 3.137 | 0.046 | |
| 14 | Wong Chuk Hang Road | 2 | 280 | 1.08 | 7.59 | 0.00 | 5.35 | 6.13 | 0.00 | 6.88 | 10.63 | 0.25 | 1.45 | 3.23 | 6.58 | 10.44 | 20.29 | 105.16 | 0.62 | 0.09 | 0.00 | 0.00 | 0.31 | 0.16 | 0.00 | 0.30 | 0.78 | 0.02 | 0.06 | 0.22 | 0.40 | 0.47 | 0.15 | 1.01 | 0.01 | 1.857 | 0.040 | |
| 15 | Wong Chuk Hang Road | 2 | 1220 | 1.74 | 6.17 | 0.22 | 7.68 | 10.55 | 1.81 | 11.05 | 4.47 | 0.34 | 1.33 | 2.97 | 3.02 | 4.79 | 4.66 | 41.03 | 1.28 | 0.15 | 0.00 | 0.01 | 0.44 | 0.27 | 0.08 | 0.48 | 0.33 | 0.03 | 0.06 | 0.20 | 0.18 | 0.21 | 0.03 | 0.39 | 0.02 | 1.031 | 0.029 | |
| 16 | Nam Long Shan Road | 1 | 810 | 2.22 | 8.54 | 0.00 | 4.42 | 6.81 | 1.64 | 8.59 | 4.53 | 0.31 | 1.79 | 4.64 | 6.36 | 15.30 | 19.84 | 81.34 | 0.96 | 0.27 | 0.00 | 0.00 | 0.29 | 0.21 | 0.10 | 0.48 | 0.60 | 0.04 | 0.09 | 0.33 | 0.40 | 0.84 | 0.15 | 0.89 | 0.04 | 1.673 | 0.047 | |
| 17 | Heung Yip Road | 1 | 275 | 2.18 | 4.19 | 0.00 | 13.02 | 20.07 | 4.83 | 16.87 | 0.00 | 0.92 | 3.51 | 9.12 | 9.36 | 15.02 | 0.00 | 0.00 | 1.41 | 0.27 | 0.00 | 0.00 | 0.86 | 0.63 | 0.29 | 0.95 | 0.00 | 0.12 | 0.17 | 0.65 | 0.58 | 0.83 | 0.00 | 0.00 | 0.05 | 1.005 | 0.054 | |
| 18 | Heung Yip Road | 1 | 335 | 2.33 | 4.13 | 0.00 | 12.03 | 19.77 | 3.96 | 13.85 | 0.00 | 0.75 | 4.32 | 7.49 | 7.68 | 24.66 | 0.00 | 0.00 | 1.16 | 0.28 | 0.00 | 0.00 | 0.79 | 0.62 | 0.24 | 0.78 | 0.00 | 0.10 | 0.21 | 0.53 | 0.48 | 1.36 | 0.00 | 0.00 | 0.04 | 1.021 | 0.054 | |
| 19 | Heung Yip Road | 1 | 435 | 2.33 | 4.24 | 0.00 | 12.35 | 17.76 | 3.05 | 10.67 | 0.00 | 0.97 | 4.44 | 5.77 | 11.83 | 18.99 | 0.00 | 0.00 | 1.34 | 0.28 | 0.00 | 0.00 | 0.81 | 0.56 | 0.19 | 0.60 | 0.00 | 0.12 | 0.22 | 0.41 | 0.74 | 1.05 | 0.00 | 0.00 | 0.05 | 0.937 | 0.050 | |
| 20 | Yip Fat St | 1 | 225 | 2.31 | 4.10 | 0.00 | 11.94 | 19.62 | 5.90 | 20.62 | 0.00 | 0.75 | 4.29 | 5.57 | 11.44 | 18.36 | 0.00 | 0.00 | 0.86 | 0.28 | 0.00 | 0.00 | 0.79 | 0.61 | 0.36 | 1.16 | 0.00 | 0.10 | 0.21 | 0.40 | 0.71 | 1.01 | 0.00 | 0.00 | 0.03 | 1.058 | 0.057 | |
| 21 | Heung Yip Road | 1 | 210 | 2.48 | 4.39 | 0.00 | 12.79 | 15.77 | 0.00 | 11.05 | 0.00 | 0.80 | 4.60 | 5.97 | 12.26 | 19.67 | 0.00 | 0.00 | 0.93 | 0.30 | 0.00 | 0.00 | 0.84 | 0.49 | 0.00 | 0.62 | 0.00 | 0.10 | 0.23 | 0.42 | 0.76 | 1.08 | 0.00 | 0.00 | 0.03 | 0.907 | 0.049 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 155 | 2.18 | 4.46 | 0.00 | 14.44 | 14.24 | 0.00 | 14.97 | 0.00 | 1.09 | 3.11 | 8.09 | 16.61 | 26.65 | 0.00 | 0.00 | 1.26 | 0.27 | 0.00 | 0.00 | 0.95 | 0.45 | 0.00 | 0.84 | 0.00 | 0.14 | 0.15 | 0.57 | 1.04 | 1.47 | 0.00 | 0.00 | 0.05 | 1.071 | 0.059 | |
| 24 | Heung Yip Road | 1 | 200 | 2.47 | 3.46 | 0.00 | 13.43 | 16.56 | 0.00 | 11.60 | 0.00 | 0.84 | 4.83 | 6.27 | 12.87 | 20.65 | 0.00 | 0.00 | 0.97 | 0.30 | 0.00 | 0.00 | 0.89 | 0.52 | 0.00 | 0.65 | 0.00 | 0.11 | 0.24 | 0.44 | 0.80 | 1.14 | 0.00 | 0.00 | 0.04 | 0.940 | 0.051 | |
| 25 | Heung Yip Road | 1 | 275 | 2.46 | 5.87 | 0.00 | 9.77 | 16.05 | 4.83 | 16.87 | 0.00 | 0.61 | 3.51 | 4.56 | 9.36 | 15.02 | 0.00 | 0.00 | 1.41 | 0.30 | 0.00 | 0.00 | 0.64 | 0.50 | 0.29 | 0.95 | 0.00 | 0.08 | 0.17 | 0.32 | 0.58 | 0.83 | 0.00 | 0.00 | 0.05 | 0.903 | 0.047 | |
| 26 | Heung Yip Road | 1 | 320 | 2.44 | 5.76 | 0.00 | 9.79 | 13.80 | 4.15 | 14.50 | 0.00 | 0.79 | 4.53 | 7.84 | 8.04 | 12.91 | 0.00 | 0.00 | 1.22 | 0.30 | 0.00 | 0.00 | 0.65 | 0.43 | 0.25 | 0.81 | 0.00 | 0.10 | 0.23 | 0.56 | 0.50 | 0.71 | 0.00 | 0.00 | 0.04 | 0.858 | 0.046 | |
| 27 | Heung Yip Road | 1 | 95 | 2.19 | 4.85 | 0.00 | 9.43 | 23.24 | 0.00 | 24.42 | 0.00 | 0.89 | 5.08 | 13.20 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 0.27 | 0.00 | 0.00 | 0.62 | 0.73 | 0.00 | 1.37 | 0.00 | 0.11 | 0.25 | 0.94 | 0.00 | 0.00 | 0.00 | 0.07 | 0.853 | 0.044 | | |
| 28 | Heung Yip Road | 1 | 110 | 2.37 | 4.19 | 0.00 | 12.21 | 20.07 | 0.00 | 21.09 | 0.00 | 0.77 | 4.39 | 11.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 0.29 | 0.00 | 0.00 | 0.81 | 0.63 | 0.00 | 1.18 | 0.00 | 0.10 | 0.22 | 0.81 | 0.00 | 0.00 | 0.00 | 0.06 | 0.782 | 0.041 | | |
| 29 | Heung Yip Road | 1 | 175 | 2.23 | 3.95 | 0.00 | 12.79 | 18.92 | 0.00 | 13.26 | 0.00 | 0.96 | 5.52 | 7.17 | 14.71 | 23.60 | 0.00 | 0.00 | 1.11 | 0.27 | 0.00 | 0.00 | 0.84 | 0.59 | 0.00 | 0.74 | 0.00 | 0.12 | 0.27 | 0.51 | 0.92 | 1.30 | 0.00 | 0.00 | 0.04 | 1.042 | 0.056 | |
| 30 | Nam Long Shan Road | 1 | 25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 465.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 0.00 | 5.070 | 0.106 | | |
| 31 | Nam Long Shan Road | 1 | 455 | 2.17 | 10.64 | 0.00 | 3.94 | 7.28 | 2.92 | 5.10 | 2.30 | 0.56 | 3.18 | 5.51 | 5.66 | 18.16 | 26.49 | 42.59 | 0.86 | 0.26 | 0.00 | 0.00 | 0.26 | 0.23 | 0.18 | 0.29 | 0.30 | 0.07 | 0.16 | 0.39 | 0.35 | 1.00 | 0.21 | 0.47 | 0.03 | 1.373 | 0.042 | |
| 32 | Nam Long Shan Road | 1 | 455 | 2.17 | 10.64 | 0.00 | 3.94 | 7.28 | 2.92 | 10.20 | 2.30 | 0.56 | 2.12 | 5.51 | 5.66 | 18.16 | 26.49 | 42.59 | 0.86 | 0.26 | 0.00 | 0.00 | 0.26 | 0.23 | 0.18 | 0.57 | 0.30 | 0.07 | 0.11 | 0.39 | 0.35 | 1.00 | 0.21 | 0.47 | 0.03 | 1.414 | 0.044 | |
| 33 | Welfare Road | 1 | 35 | 2.97 | 6.59 | 0.00 | 12.79 | 31.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.84 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.539 | 0.022 | | |
| 34 | Welfare Road | 1 | 45 | 2.89 | 10.25 | 0.00 | 9.95 | 24.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.66 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.476 | 0.018 | | |
| 35 | Shum Wan Road | 1 | 340 | 1.68 | 12.88 | 0.00 | 3.95 | 6.49 | 0.00</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 21-22)

| Hour: 21-22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|-----------|----------------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------|------|
| Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | | | |
| | | | | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | | |
| 1 | Yip Hing St | 1 | 40 | 15 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.50 | 12.50 | 0.00 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 2 | Tong Bin Lane | 1 | 45 | 20 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44.44 | 11.11 | 0.00 | 11.11 | 11.11 | 11.11 | 11.11 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 30 | 15 | 0 | 5 | 5 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.00 | 20.00 | 0.00 | 6.67 | 6.67 | 6.67 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 4 | Yip Kan St | 1 | 80 | 35 | 15 | 0 | 5 | 5 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.75 | 18.75 | 0.00 | 6.25 | 6.25 | 6.25 | 18.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5 | Wong Chuk Hang Road | 2 | 1155 | 470 | 185 | 0 | 115 | 70 | 10 | 35 | 50 | 30 | 20 | 20 | 10 | 10 | 5 | 80 | 45 | 40.69 | 16.02 | 0.00 | 9.96 | 6.06 | 0.87 | 3.03 | 4.33 | 2.60 | 1.73 | 1.73 | 0.87 | 0.87 | 0.43 | 6.93 | 3.90 | | |
| 6 | Wong Chuk Hang Road | 2 | 1330 | 540 | 210 | 5 | 135 | 80 | 10 | 40 | 65 | 30 | 25 | 20 | 10 | 10 | 5 | 95 | 50 | 40.60 | 15.79 | 0.38 | 10.15 | 6.02 | 0.75 | 3.01 | 4.89 | 2.26 | 1.88 | 1.50 | 0.75 | 0.75 | 0.38 | 7.14 | 3.76 | | |
| 7 | Wong Chuk Hang Road | 2 | 565 | 145 | 90 | 0 | 45 | 25 | 5 | 5 | 60 | 15 | 15 | 15 | 5 | 5 | 5 | 115 | 15 | 25.66 | 15.93 | 0.00 | 7.96 | 4.42 | 0.88 | 0.88 | 10.62 | 2.65 | 2.65 | 2.65 | 0.88 | 0.88 | 0.88 | 20.35 | 2.65 | | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 760 | 355 | 120 | 0 | 85 | 50 | 10 | 30 | 20 | 15 | 15 | 5 | 5 | 5 | 0 | 15 | 30 | 46.71 | 15.79 | 0.00 | 11.18 | 6.58 | 1.32 | 3.95 | 2.63 | 1.97 | 1.97 | 0.66 | 0.66 | 0.66 | 0.00 | 1.97 | 3.95 | | |
| 9 | Wong Chuk Hang Road | 2 | 790 | 380 | 120 | 0 | 40 | 25 | 5 | 20 | 30 | 20 | 20 | 15 | 10 | 10 | 10 | 80 | 5 | 48.10 | 15.19 | 0.00 | 5.06 | 3.16 | 0.63 | 2.53 | 3.80 | 2.53 | 2.53 | 1.90 | 1.27 | 1.27 | 1.27 | 10.13 | 0.63 | | |
| 10 | Wong Chuk Hang Road | 2 | 575 | 270 | 85 | 0 | 30 | 20 | 5 | 15 | 20 | 15 | 15 | 10 | 10 | 10 | 55 | 5 | 46.96 | 14.78 | 0.00 | 5.22 | 3.48 | 0.87 | 2.61 | 3.48 | 2.61 | 2.61 | 1.74 | 1.74 | 1.74 | 1.74 | 9.57 | 0.87 | | | |
| 11 | Wong Chuk Hang Road | 2 | 475 | 225 | 70 | 0 | 25 | 15 | 5 | 15 | 20 | 15 | 10 | 10 | 5 | 5 | 5 | 45 | 5 | 47.37 | 14.74 | 0.00 | 5.26 | 3.16 | 1.05 | 3.16 | 4.21 | 3.16 | 2.11 | 2.11 | 1.05 | 1.05 | 1.05 | 9.47 | 1.05 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 935 | 435 | 150 | 0 | 105 | 60 | 10 | 35 | 25 | 20 | 15 | 10 | 5 | 5 | 0 | 20 | 40 | 46.52 | 16.04 | 0.00 | 11.23 | 6.42 | 1.07 | 3.74 | 2.67 | 2.14 | 1.60 | 1.07 | 0.53 | 0.53 | 0.00 | 2.14 | 4.28 | | |
| 13 | Wong Chuk Hang Road | 2 | 550 | 70 | 65 | 0 | 30 | 15 | 0 | 0 | 80 | 10 | 0 | 5 | 5 | 5 | 20 | 235 | 10 | 12.73 | 11.82 | 0.00 | 5.45 | 2.73 | 0.00 | 0.00 | 14.55 | 1.82 | 0.00 | 0.91 | 0.91 | 0.91 | 3.64 | 42.73 | 1.82 | | |
| 14 | Wong Chuk Hang Road | 2 | 265 | 70 | 45 | 0 | 20 | 10 | 0 | 5 | 30 | 5 | 5 | 5 | 5 | 5 | 50 | 5 | 26.42 | 16.98 | 0.00 | 7.55 | 3.77 | 0.00 | 1.89 | 11.32 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 18.87 | 1.89 | | | |
| 15 | Wong Chuk Hang Road | 2 | 1210 | 490 | 190 | 5 | 125 | 75 | 10 | 35 | 55 | 30 | 20 | 20 | 10 | 10 | 5 | 85 | 45 | 40.50 | 15.70 | 0.41 | 10.33 | 6.20 | 0.83 | 2.89 | 4.55 | 2.48 | 1.65 | 1.65 | 0.83 | 0.83 | 0.41 | 7.02 | 3.72 | | |
| 16 | Nam Long Shan Road | 1 | 720 | 330 | 90 | 0 | 40 | 25 | 5 | 15 | 35 | 15 | 15 | 15 | 10 | 10 | 10 | 85 | 20 | 45.83 | 12.50 | 0.00 | 5.56 | 3.47 | 0.69 | 2.08 | 4.86 | 2.08 | 2.08 | 2.08 | 1.39 | 1.39 | 1.39 | 11.81 | 2.78 | | |
| 17 | Heung Yip Road | 1 | 175 | 80 | 15 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 45.71 | 8.57 | 0.00 | 14.29 | 8.57 | 0.00 | 2.86 | 0.00 | 5.71 | 2.86 | 2.86 | 2.86 | 0.00 | 0.00 | 0.00 | 2.86 | 2.86 | | |
| 18 | Heung Yip Road | 1 | 225 | 105 | 20 | 0 | 30 | 20 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 46.67 | 8.89 | 0.00 | 13.33 | 8.89 | 2.22 | 2.22 | 0.00 | 4.44 | 4.44 | 2.22 | 2.22 | 0.00 | 0.00 | 0.00 | 2.22 | 2.22 | |
| 19 | Heung Yip Road | 1 | 300 | 135 | 30 | 0 | 40 | 25 | 5 | 10 | 0 | 15 | 10 | 10 | 5 | 5 | 0 | 10 | 45.00 | 10.00 | 0.00 | 13.33 | 8.33 | 1.67 | 3.33 | 0.00 | 5.00 | 3.33 | 3.33 | 1.67 | 1.67 | 0.00 | 0.00 | 3.33 | 3.33 | | |
| 20 | Yip Fat St | 1 | 150 | 65 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 43.33 | 10.00 | 0.00 | 13.33 | 6.67 | 0.00 | 3.33 | 0.00 | 6.67 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 0.00 | 0.00 | 3.33 | 3.33 | |
| 21 | Heung Yip Road | 1 | 150 | 70 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 46.67 | 10.00 | 0.00 | 13.33 | 6.67 | 0.00 | 3.33 | 0.00 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 0.00 | 0.00 | 3.33 | 3.33 | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 105 | 45 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 42.86 | 9.52 | 0.00 | 14.29 | 9.52 | 0.00 | 4.76 | 0.00 | 4.76 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | |
| 24 | Heung Yip Road | 1 | 140 | 65 | 10 | 0 | 20 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 46.43 | 7.14 | 0.00 | 14.29 | 7.14 | 0.00 | 3.57 | 0.00 | 3.57 | 3.57 | 3.57 | 3.57 | 3.57 | 0.00 | 0.00 | 3.57 | 3.57 | | |
| 25 | Heung Yip Road | 1 | 180 | 90 | 25 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 0 | 5 | 50.00 | 13.89 | 0.00 | 11.11 | 5.56 | 0.00 | 2.78 | 0.00 | 5.56 | 5.56 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 2.78 | |
| 26 | Heung Yip Road | 1 | 215 | 105 | 25 | 0 | 20 | 15 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 48.84 | 11.63 | 0.00 | 9.30 | 6.98 | 2.33 | 2.33 | 0.00 | 4.65 | 4.65 | 2.33 | 2.33 | 2.33 | 0.00 | 0.00 | 2.33 | 2.33 | |
| 27 | Heung Yip Road | 1 | 65 | 30 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 46.15 | 7.69 | 0.00 | 15.38 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | |
| 28 | Heung Yip Road | 1 | 80 | 35 | 5 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 43.75 | 6.25 | 0.00 | 12.50 | 6.25 | 0.00 | 6.25 | 0.00 | 6.25 | 6.25 | 6.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | 6.25 | |
| 29 | Heung Yip Road | 1 | 125 | 55 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 44.00 | 8.00 | 0.00 | 12.00 | 8.00 | 0.00 | 4.00 | 0.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | 4.00 |
| 30 | Nam Long Shan Road | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 245 | 120 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 15 | 5 | 48.98 | 12.24 | 0.00 | 6.12 | 4.08 | 0.00 | 2.04 | 2.04 | 4.08 | 4.08 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 6.12 | 2.04 | |
| 32 | Nam Long Shan Road | 1 | 245 | 120 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 15 | 5 | 48.98 | 12.24 | 0.00 | 6.12 | 4.08 | 0.00 | 2.04 | 2.04 | 4.08 | 4.08 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 6.12 | 2.04 | |
| 33 | Welfare Road | 1 | 25 | 15 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 200 | 70 | 30 | 0 | 15 | 10 | 0 | 0 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 15 | 5 | 35.00 | 15.00 | 0.00 | 7.50 | 5.00 | 0.00 | 0.00 | 5.00 | 5.00 | 5.00 | 5.00 | 2.50 | 2.50 | 2.50 | 7.50 | 2.50 | | |
| 36 | Shum Wan Road | 1 | 195 | 70 | 30 | 0 | 15 | 10 | 0 | 0 | 10 | 10 | 10 | 10 | 5 | 5 | 0 | 15 | 5 | 35.90 | 15.38 | 0.00 | 7.69 | 5.13 | 0.00 | 0.00 | 5.13 | 5.13 | 5.13 | 5.13 | 2.56 | 2.56 | 0.00 | 7.69 | 2.56 | | |
| 37 | Shum Wan Pier Drive | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 245 | 125 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 0 | 15 | 5 | 51.02 | 12.24 | 0.00 | 6.12 | 4.08 | 0.00 | 2.04 | 2.04 | 4.08 | 4.08 | 2.04 | 2.04 | 2.04 | 2.04 | 0.00 | 6.12 | 2.04 | |
| 39 | Nam Long Shan Road | 1 | 30 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.67 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 40 | 25 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 | 0.00 | |
| 41 | Police School Road | 1 | 225 | 115 | 30 | 0 | 15 | 5 | 0 | 5 | 5 | 10 | 5 | 5 | 5 | 0 | 15 | 5 | 51.11 | 13.33 | 0.00 | 6.67 | 2.22 | 0.00 | 2.22 | 2.22 | 4.44 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 0. | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 21-22)

Emission Factor Calculations (Hour: 00-01)

| Hour: 21-22 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 40 | 1.88 | 5.57 | 0.00 | 10.88 | 26.80 | 30.36 | 54.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.70 | 0.83 | 1.64 | 2.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.295 | 0.063 |
| 2 | Tong Bin Lane | 1 | 45 | 2.23 | 4.95 | 0.00 | 9.67 | 23.82 | 26.98 | 48.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.62 | 0.74 | 1.46 | 2.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.157 | 0.056 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 2.00 | 8.91 | 0.00 | 5.80 | 14.29 | 16.19 | 86.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.37 | 0.44 | 0.87 | 4.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.337 | 0.065 |
| 4 | Yip Kan St | 1 | 80 | 2.19 | 8.35 | 0.00 | 5.44 | 13.40 | 15.18 | 81.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.35 | 0.42 | 0.82 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.256 | 0.061 | |
| 5 | Wong Chuk Hang Road | 2 | 1155 | 1.76 | 6.18 | 0.00 | 7.45 | 10.39 | 1.91 | 11.67 | 4.29 | 0.36 | 1.41 | 3.13 | 3.19 | 5.06 | 2.46 | 40.75 | 1.35 | 0.15 | 0.00 | 0.00 | 0.43 | 0.27 | 0.09 | 0.51 | 0.32 | 0.03 | 0.06 | 0.22 | 0.19 | 0.23 | 0.02 | 0.39 | 0.03 | 1.014 | 0.029 | |
| 6 | Wong Chuk Hang Road | 2 | 1330 | 1.76 | 6.09 | 0.21 | 7.60 | 10.32 | 1.66 | 11.58 | 4.84 | 0.32 | 1.53 | 2.72 | 2.77 | 4.39 | 2.13 | 42.03 | 1.31 | 0.15 | 0.00 | 0.01 | 0.44 | 0.26 | 0.08 | 0.51 | 0.36 | 0.03 | 0.07 | 0.19 | 0.17 | 0.20 | 0.02 | 0.40 | 0.02 | 1.012 | 0.029 | |
| 7 | Wong Chuk Hang Road | 2 | 565 | 1.11 | 6.14 | 0.00 | 5.96 | 7.59 | 1.95 | 3.41 | 10.52 | 0.37 | 2.16 | 4.81 | 3.26 | 5.17 | 5.02 | 119.76 | 0.92 | 0.10 | 0.00 | 0.00 | 0.34 | 0.19 | 0.09 | 0.15 | 0.78 | 0.03 | 0.09 | 0.33 | 0.20 | 0.23 | 0.04 | 1.15 | 0.02 | 1.782 | 0.037 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 760 | 1.66 | 4.94 | 0.00 | 8.07 | 9.14 | 2.43 | 12.88 | 2.83 | 0.23 | 1.51 | 0.92 | 1.88 | 2.99 | 0.00 | 9.81 | 1.35 | 0.09 | 0.00 | 0.00 | 0.29 | 0.23 | 0.08 | 0.45 | 0.14 | 0.01 | 0.07 | 0.08 | 0.15 | 0.14 | 0.00 | 0.10 | 0.02 | 0.606 | 0.019 | |
| 9 | Wong Chuk Hang Road | 2 | 790 | 2.08 | 5.86 | 0.00 | 3.79 | 5.43 | 1.40 | 9.75 | 3.76 | 0.35 | 2.06 | 3.44 | 4.66 | 7.39 | 7.18 | 59.58 | 0.22 | 0.18 | 0.00 | 0.00 | 0.22 | 0.14 | 0.07 | 0.43 | 0.28 | 0.03 | 0.09 | 0.24 | 0.28 | 0.33 | 0.05 | 0.57 | 0.00 | 1.170 | 0.029 | |
| 10 | Wong Chuk Hang Road | 2 | 575 | 2.03 | 5.70 | 0.00 | 3.91 | 5.97 | 1.92 | 10.04 | 3.45 | 0.37 | 2.12 | 3.15 | 6.40 | 10.16 | 9.87 | 56.28 | 0.30 | 0.18 | 0.00 | 0.00 | 0.23 | 0.15 | 0.09 | 0.44 | 0.25 | 0.03 | 0.09 | 0.22 | 0.39 | 0.45 | 0.07 | 0.54 | 0.01 | 1.217 | 0.031 | |
| 11 | Wong Chuk Hang Road | 2 | 475 | 2.05 | 5.68 | 0.00 | 3.94 | 5.42 | 2.32 | 12.16 | 4.17 | 0.44 | 1.71 | 3.81 | 3.87 | 6.15 | 5.97 | 55.74 | 0.37 | 0.18 | 0.00 | 0.00 | 0.23 | 0.14 | 0.11 | 0.53 | 0.31 | 0.04 | 0.07 | 0.26 | 0.24 | 0.27 | 0.04 | 0.53 | 0.01 | 1.138 | 0.030 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 935 | 1.66 | 5.01 | 0.00 | 8.11 | 8.91 | 1.97 | 12.21 | 2.87 | 0.25 | 1.22 | 1.50 | 1.53 | 2.43 | 0.00 | 10.63 | 1.47 | 0.09 | 0.00 | 0.00 | 0.29 | 0.22 | 0.07 | 0.42 | 0.14 | 0.02 | 0.06 | 0.13 | 0.12 | 0.11 | 0.00 | 0.11 | 0.02 | 0.598 | 0.018 | |
| 13 | Wong Chuk Hang Road | 2 | 550 | 0.55 | 4.56 | 0.00 | 4.08 | 4.68 | 0.00 | 0.00 | 14.41 | 0.25 | 0.00 | 1.65 | 3.34 | 5.31 | 20.64 | 251.40 | 0.63 | 0.05 | 0.00 | 0.00 | 0.24 | 0.12 | 0.00 | 0.00 | 1.07 | 0.02 | 0.00 | 0.11 | 0.20 | 0.24 | 0.15 | 2.41 | 0.01 | 3.115 | 0.046 | |
| 14 | Wong Chuk Hang Road | 2 | 265 | 1.14 | 6.55 | 0.00 | 5.65 | 6.47 | 0.00 | 7.26 | 11.22 | 0.26 | 1.53 | 3.41 | 6.94 | 11.02 | 10.71 | 111.02 | 0.66 | 0.10 | 0.00 | 0.00 | 0.33 | 0.17 | 0.00 | 0.32 | 0.83 | 0.02 | 0.07 | 0.23 | 0.42 | 0.49 | 0.08 | 1.06 | 0.01 | 1.839 | 0.041 | |
| 15 | Wong Chuk Hang Road | 2 | 1210 | 1.75 | 6.05 | 0.23 | 7.73 | 10.63 | 1.82 | 11.14 | 4.50 | 0.35 | 1.34 | 2.99 | 3.04 | 4.83 | 2.35 | 41.33 | 1.29 | 0.15 | 0.00 | 0.01 | 0.45 | 0.27 | 0.09 | 0.49 | 0.33 | 0.03 | 0.06 | 0.21 | 0.19 | 0.22 | 0.02 | 0.40 | 0.02 | 1.014 | 0.029 | |
| 16 | Nam Long Shan Road | 1 | 720 | 2.30 | 5.57 | 0.00 | 4.84 | 7.44 | 1.69 | 9.01 | 5.07 | 0.34 | 1.96 | 5.08 | 6.68 | 10.60 | 10.92 | 88.00 | 1.07 | 0.27 | 0.00 | 0.00 | 0.31 | 0.23 | 0.09 | 0.48 | 0.65 | 0.04 | 0.10 | 0.36 | 0.42 | 0.56 | 0.08 | 0.95 | 0.04 | 1.606 | 0.046 | |
| 17 | Heung Yip Road | 1 | 175 | 2.29 | 3.82 | 0.00 | 12.44 | 18.38 | 0.00 | 12.35 | 0.00 | 0.94 | 2.69 | 6.96 | 13.75 | 21.81 | 0.00 | 0.00 | 1.10 | 0.27 | 0.00 | 0.00 | 0.80 | 0.57 | 0.00 | 0.66 | 0.00 | 0.12 | 0.13 | 0.50 | 0.86 | 1.15 | 0.00 | 0.00 | 0.04 | 0.965 | 0.051 | |
| 18 | Heung Yip Road | 1 | 225 | 2.34 | 3.96 | 0.00 | 11.61 | 19.06 | 5.40 | 9.61 | 0.00 | 0.73 | 4.18 | 5.42 | 10.69 | 16.97 | 0.00 | 0.00 | 0.86 | 0.27 | 0.00 | 0.00 | 0.75 | 0.59 | 0.29 | 0.51 | 0.00 | 0.09 | 0.20 | 0.39 | 0.67 | 0.90 | 0.00 | 0.00 | 0.03 | 0.908 | 0.047 | |
| 19 | Heung Yip Road | 1 | 300 | 2.26 | 4.46 | 0.00 | 11.61 | 17.87 | 4.05 | 14.41 | 0.00 | 0.82 | 3.14 | 8.13 | 8.02 | 12.72 | 0.00 | 0.00 | 1.29 | 0.26 | 0.00 | 0.00 | 0.75 | 0.55 | 0.22 | 0.77 | 0.00 | 0.10 | 0.15 | 0.58 | 0.50 | 0.67 | 0.00 | 0.00 | 0.05 | 0.888 | 0.046 | |
| 20 | Yip Fat St | 1 | 150 | 2.17 | 4.46 | 0.00 | 11.61 | 14.29 | 0.00 | 14.41 | 0.00 | 1.09 | 3.14 | 8.13 | 16.04 | 25.45 | 0.00 | 0.00 | 1.29 | 0.25 | 0.00 | 0.00 | 0.75 | 0.44 | 0.00 | 0.77 | 0.00 | 0.14 | 0.15 | 0.58 | 1.01 | 1.35 | 0.00 | 0.00 | 0.05 | 1.021 | 0.055 | |
| 21 | Heung Yip Road | 1 | 150 | 2.34 | 4.46 | 0.00 | 11.61 | 14.29 | 0.00 | 14.41 | 0.00 | 0.55 | 3.14 | 8.13 | 16.04 | 25.45 | 0.00 | 0.00 | 1.29 | 0.27 | 0.00 | 0.00 | 0.75 | 0.44 | 0.00 | 0.77 | 0.00 | 0.07 | 0.15 | 0.58 | 1.01 | 1.35 | 0.00 | 0.00 | 0.05 | 1.017 | 0.054 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 105 | 2.15 | 4.24 | 0.00 | 12.44 | 20.42 | 0.00 | 20.59 | 0.00 | 0.78 | 4.48 | 11.61 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 0.25 | 0.00 | 0.00 | 0.80 | 0.63 | 0.00 | 1.09 | 0.00 | 0.10 | 0.22 | 0.83 | 0.00 | 0.00 | 0.00 | 0.07 | 0.785 | 0.040 | | |
| 24 | Heung Yip Road | 1 | 140 | 2.33 | 3.18 | 0.00 | 12.44 | 15.31 | 0.00 | 15.44 | 0.00 | 0.59 | 3.36 | 8.71 | 17.19 | 27.27 | 0.00 | 0.00 | 1.38 | 0.27 | 0.00 | 0.00 | 0.80 | 0.47 | 0.00 | 0.82 | 0.00 | 0.07 | 0.16 | 0.62 | 1.08 | 1.44 | 0.00 | 0.00 | 0.05 | 1.072 | 0.058 | |
| 25 | Heung Yip Road | 1 | 180 | 2.51 | 6.19 | 0.00 | 9.67 | 11.91 | 0.00 | 12.01 | 0.00 | 0.91 | 5.23 | 6.77 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 0.29 | 0.00 | 0.00 | 0.62 | 0.37 | 0.00 | 0.64 | 0.00 | 0.11 | 0.25 | 0.48 | 0.00 | 0.00 | 0.00 | 0.04 | 0.563 | 0.028 | | |
| 26 | Heung Yip Road | 1 | 215 | 2.45 | 5.18 | 0.00 | 8.10 | 14.96 | 5.65 | 10.06 | 0.00 | 0.76 | 4.38 | 5.67 | 11.19 | 17.75 | 0.00 | 0.00 | 0.90 | 0.29 | 0.00 | 0.00 | 0.52 | 0.46 | 0.30 | 0.53 | 0.00 | 0.09 | 0.21 | 0.41 | 0.70 | 0.94 | 0.00 | 0.00 | 0.03 | 0.870 | 0.045 | |
| 27 | Heung Yip Road | 1 | 65 | 2.31 | 3.43 | 0.00 | 13.39 | 16.49 | 0.00 | 0.00 | 0.00 | 1.26 | 7.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 0.27 | 0.00 | 0.00 | 0.86 | 0.51 | 0.00 | 0.00 | 0.00 | 0.16 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.471 | 0.023 | | |
| 28 | Heung Yip Road | 1 | 80 | 2.19 | 2.78 | 0.00 | 10.88 | 13.40 | 0.00 | 27.02 | 0.00 | 1.03 | 5.88 | 15.23 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 0.26 | 0.00 | 0.00 | 0.70 | 0.42 | 0.00 | 1.43 | 0.00 | 0.13 | 0.29 | 1.09 | 0.00 | 0.00 | 0.00 | 0.09 | 0.808 | 0.044 | | |
| 29 | Heung Yip Road | 1 | 125 | 2.21 | 3.56 | 0.00 | 10.45 | 17.15 | 0.00 | 17.30 | 0.00 | 0.66 | 3.76 | 9.75 | 19.25 | 30.54 | 0.00 | 0.00 | 1.55 | 0.26 | 0.00 | 0.00 | 0.67 | 0.53 | 0.00 | 0.92 | 0.00 | 0.08 | 0.18 | 0.70 | 1.21 | 1.62 | 0.00 | 0.00 | 0.06 | 1.162 | 0.062 | |
| 30 | Nam Long Shan Road | 1 | 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 496.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.37 | 0.00 | 5.317 | 0.098 | | |
| 31 | Nam Long Shan Road | 1 | 245 | 2.46 | 5.46 | 0.00 | 5.33 | 8.75 | 0.00 | 8.82 | 2.13 | 0.67 | 3.84 | 4.97 | 9.82 | 15.58 | 16.04 | 45.64 | 0.79 | 0.29 | 0.00 | 0.00 | 0.34 | 0.27 | 0.00 | 0.47 | 0.27 | 0.08 | 0.19 | 0.36 | 0.62 | 0.82 | 0.11 | 0.49 | 0.03 | 1.303 | 0.043 | |
| 32 | Nam Long Shan Road | 1 | 245 | 2.46 | 5.46 | 0.00 | 5.33 | 8.75 | 0.00 | 8.82 | 2.13 | 0.67 | 3.84 | 4.97 | 9.82 | 15.58 | 16.04 | 45.64 | 0.79 | 0.29 | 0.00 | 0.00 | 0.34 | 0.27 | 0.00 | 0.47 | 0.27 | 0.08 | 0.19 | 0.36 | 0.62 | 0.82 | 0.11 | 0.49 | 0.03 | 1.303 | 0.043 | |
| 33 | Welfare Road | 1 | 25 | 3.01 | 8.91 | 0.00 | 17.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.293 | 0.015 | | | |
| 34 | Welfare Road | 1 | 20 | 3.76 | 11.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.149 | 0.004 | | | |
| 35 | Shum Wan Road | 1 | 200 | 1.75 | 6.68 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 22-23)

| Hour: 22-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|-----------|----------------|---------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | | | |
| | | | | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC |
| 1 | Yip Hing St | 1 | 40 | 15 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.50 | 12.50 | 0.00 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2 | Tong Bin Lane | 1 | 40 | 15 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37.50 | 12.50 | 0.00 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 30 | 15 | 0 | 5 | 5 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40.00 | 20.00 | 0.00 | 6.67 | 6.67 | 6.67 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | Yip Kan St | 1 | 80 | 35 | 15 | 0 | 5 | 5 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.75 | 18.75 | 0.00 | 6.25 | 6.25 | 6.25 | 18.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | Wong Chuk Hang Road | 2 | 875 | 360 | 140 | 0 | 85 | 50 | 10 | 25 | 40 | 20 | 15 | 15 | 10 | 10 | 5 | 60 | 30 | 41.14 | 16.00 | 0.00 | 9.71 | 5.71 | 1.14 | 2.86 | 4.57 | 2.29 | 1.71 | 1.71 | 1.14 | 1.14 | 0.57 | 6.86 | 3.43 |
| 6 | Wong Chuk Hang Road | 2 | 1015 | 415 | 160 | 5 | 100 | 60 | 10 | 30 | 50 | 20 | 20 | 15 | 10 | 10 | 5 | 70 | 35 | 40.89 | 15.76 | 0.49 | 9.85 | 5.91 | 0.99 | 2.96 | 4.93 | 1.97 | 1.97 | 1.48 | 0.99 | 0.99 | 0.49 | 6.90 | 3.45 |
| 7 | Wong Chuk Hang Road | 2 | 430 | 115 | 70 | 0 | 30 | 20 | 5 | 5 | 45 | 10 | 10 | 10 | 5 | 5 | 5 | 85 | 10 | 26.74 | 16.28 | 0.00 | 6.98 | 4.65 | 1.16 | 1.16 | 10.47 | 2.33 | 2.33 | 2.33 | 1.16 | 1.16 | 1.16 | 19.77 | 2.33 |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 585 | 270 | 95 | 0 | 65 | 35 | 10 | 20 | 15 | 10 | 10 | 5 | 5 | 5 | 0 | 15 | 25 | 46.15 | 16.24 | 0.00 | 11.11 | 5.98 | 1.71 | 3.42 | 2.56 | 1.71 | 1.71 | 0.85 | 0.85 | 0.85 | 0.00 | 2.56 | 4.27 |
| 9 | Wong Chuk Hang Road | 2 | 600 | 290 | 90 | 0 | 30 | 15 | 5 | 15 | 20 | 15 | 15 | 10 | 10 | 10 | 60 | 5 | 48.33 | 15.00 | 0.00 | 5.00 | 2.50 | 0.83 | 2.50 | 3.33 | 2.50 | 2.50 | 1.67 | 1.67 | 1.67 | 1.67 | 10.00 | 0.83 | |
| 10 | Wong Chuk Hang Road | 2 | 450 | 210 | 65 | 0 | 20 | 15 | 5 | 10 | 15 | 10 | 10 | 10 | 10 | 10 | 45 | 5 | 46.67 | 14.44 | 0.00 | 4.44 | 3.33 | 1.11 | 2.22 | 3.33 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 10.00 | 1.11 | |
| 11 | Wong Chuk Hang Road | 2 | 365 | 175 | 55 | 0 | 15 | 10 | 5 | 10 | 15 | 10 | 5 | 10 | 5 | 5 | 35 | 5 | 47.95 | 15.07 | 0.00 | 4.11 | 2.74 | 1.37 | 2.74 | 4.11 | 2.74 | 1.37 | 1.37 | 1.37 | 1.37 | 9.59 | 1.37 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 710 | 330 | 115 | 0 | 75 | 45 | 10 | 25 | 20 | 15 | 10 | 10 | 5 | 5 | 0 | 15 | 30 | 46.48 | 16.20 | 0.00 | 10.56 | 6.34 | 1.41 | 3.52 | 2.82 | 2.11 | 1.41 | 1.41 | 0.70 | 0.70 | 0.00 | 2.11 | 4.23 |
| 13 | Wong Chuk Hang Road | 2 | 410 | 50 | 50 | 0 | 20 | 10 | 0 | 0 | 65 | 5 | 0 | 5 | 5 | 5 | 15 | 175 | 5 | 12.20 | 12.20 | 0.00 | 4.88 | 2.44 | 0.00 | 0.00 | 15.85 | 1.22 | 0.00 | 1.22 | 1.22 | 1.22 | 3.66 | 42.68 | 1.22 |
| 14 | Wong Chuk Hang Road | 2 | 215 | 55 | 35 | 0 | 15 | 10 | 0 | 5 | 20 | 5 | 5 | 5 | 5 | 5 | 40 | 5 | 25.58 | 16.28 | 0.00 | 6.98 | 4.65 | 0.00 | 2.33 | 9.30 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 18.60 | 2.33 | | |
| 15 | Wong Chuk Hang Road | 2 | 920 | 375 | 145 | 5 | 90 | 55 | 10 | 25 | 45 | 20 | 15 | 15 | 10 | 10 | 5 | 65 | 30 | 40.76 | 15.76 | 0.54 | 9.78 | 5.98 | 1.09 | 2.72 | 4.89 | 2.17 | 1.63 | 1.63 | 1.09 | 1.09 | 0.54 | 7.07 | 3.26 |
| 16 | Nam Long Shan Road | 1 | 550 | 250 | 70 | 0 | 30 | 15 | 5 | 10 | 30 | 10 | 10 | 10 | 10 | 10 | 65 | 15 | 45.45 | 12.73 | 0.00 | 5.45 | 2.73 | 0.91 | 1.82 | 5.45 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 1.82 | 11.82 | 2.73 | |
| 17 | Heung Yip Road | 1 | 180 | 85 | 15 | 0 | 25 | 15 | 0 | 5 | 0 | 10 | 5 | 5 | 5 | 0 | 5 | 47.22 | 8.33 | 0.00 | 13.89 | 8.33 | 0.00 | 2.78 | 0.00 | 5.56 | 2.78 | 2.78 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | |
| 18 | Heung Yip Road | 1 | 220 | 105 | 20 | 0 | 30 | 15 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 5 | 47.73 | 9.09 | 0.00 | 13.64 | 6.82 | 2.27 | 2.27 | 0.00 | 4.55 | 4.55 | 2.27 | 2.27 | 2.27 | 0.00 | 0.00 | 2.27 | |
| 19 | Heung Yip Road | 1 | 300 | 140 | 25 | 0 | 40 | 20 | 5 | 10 | 0 | 15 | 15 | 10 | 5 | 5 | 0 | 10 | 46.67 | 8.33 | 0.00 | 13.33 | 6.67 | 1.67 | 3.33 | 0.00 | 5.00 | 5.00 | 3.33 | 1.67 | 1.67 | 0.00 | 0.00 | 3.33 | |
| 20 | Yip Fat St | 1 | 155 | 70 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 45.16 | 9.68 | 0.00 | 12.90 | 6.45 | 0.00 | 3.23 | 0.00 | 6.45 | 3.23 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 3.23 | |
| 21 | Heung Yip Road | 1 | 155 | 75 | 15 | 0 | 20 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 48.39 | 9.68 | 0.00 | 12.90 | 6.45 | 0.00 | 3.23 | 0.00 | 3.23 | 3.23 | 3.23 | 3.23 | 0.00 | 0.00 | 3.23 | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 23 | Yip Fat St | 1 | 105 | 45 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 42.86 | 9.52 | 0.00 | 14.29 | 9.52 | 0.00 | 4.76 | 0.00 | 4.76 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | |
| 24 | Heung Yip Road | 1 | 145 | 70 | 10 | 0 | 20 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 48.28 | 6.90 | 0.00 | 13.79 | 6.90 | 0.00 | 3.45 | 0.00 | 3.45 | 3.45 | 3.45 | 3.45 | 0.00 | 0.00 | 3.45 | | |
| 25 | Heung Yip Road | 1 | 175 | 90 | 20 | 0 | 20 | 10 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 0 | 5 | 51.43 | 11.43 | 0.00 | 11.43 | 5.71 | 0.00 | 2.86 | 0.00 | 5.71 | 5.71 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | |
| 26 | Heung Yip Road | 1 | 220 | 110 | 25 | 0 | 20 | 15 | 5 | 5 | 0 | 10 | 10 | 5 | 5 | 5 | 0 | 0 | 5 | 50.00 | 11.36 | 0.00 | 9.09 | 6.82 | 2.27 | 2.27 | 0.00 | 4.55 | 4.55 | 2.27 | 2.27 | 2.27 | 0.00 | 0.00 | 2.27 |
| 27 | Heung Yip Road | 1 | 65 | 30 | 5 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 46.15 | 7.69 | 0.00 | 15.38 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | |
| 28 | Heung Yip Road | 1 | 85 | 40 | 5 | 0 | 10 | 5 | 0 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 5 | 47.06 | 5.88 | 0.00 | 11.76 | 5.88 | 0.00 | 5.88 | 0.00 | 5.88 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | |
| 29 | Heung Yip Road | 1 | 125 | 55 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 5 | 5 | 0 | 0 | 5 | 44.00 | 8.00 | 0.00 | 12.00 | 8.00 | 0.00 | 4.00 | 0.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 0.00 | 0.00 | 4.00 | |
| 30 | Nam Long Shan Road | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | |
| 31 | Nam Long Shan Road | 1 | 250 | 125 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 15 | 5 | 50.00 | 12.00 | 0.00 | 6.00 | 4.00 | 0.00 | 2.00 | 2.00 | 4.00 | 4.00 | 2.00 | 2.00 | 2.00 | 2.00 | 6.00 | 2.00 | |
| 32 | Nam Long Shan Road | 1 | 245 | 120 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 15 | 5 | 48.98 | 12.24 | 0.00 | 6.12 | 4.08 | 0.00 | 2.04 | 2.04 | 4.08 | 4.08 | 2.04 | 2.04 | 2.04 | 2.04 | 6.12 | 2.04 | |
| 33 | Welfare Road | 1 | 25 | 15 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 170 | 60 | 25 | 0 | 10 | 5 | 0 | 0 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 10 | 35.29 | 14.71 | 0.00 | 5.88 | 2.94 | 0.00 | 0.00 | 5.88 | 5.88 | 5.88 | 5.88 | 2.94 | 2.94 | 2.94 | 5.88 | 2.94 | |
| 36 | Shum Wan Road | 1 | 160 | 60 | 25 | 0 | 10 | 5 | 0 | 0 | 10 | 10 | 5 | 10 | 5 | 5 | 0 | 10 | 37.50 | 15.63 | 0.00 | 6.25 | 3.13 | 0.00 | 0.00 | 6.25 | 6.25 | 3.13 | 6.25 | 3.13 | 3.13 | 0.00 | 6.25 | 3.13 | |
| 37 | Shum Wan Pier Drive | 1 | 10 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 38 | Nam Long Shan Road | 1 | 250 | 130 | 30 | 0 | 15 | 10 | 0 | 5 | 5 | 10 | 10 | 5 | 5 | 5 | 0 | 15 | 5 | 52.00 | 12.00 | 0.00 | 6.00 | 4.00 | 0.00 | 2.00 | 2.00 | 4.00 | 4.00 | 2.00 | 2.00 | 2.00 | 0.00 | 6.00 | 2.00 |
| 39 | Nam Long Shan Road | 1 | 35 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 71.43 | 14.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.29 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 45 | 30 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 66.67 | 11.11 | 0.00 | 11.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | |
| 41 | Police School Road | 1 | 230 | 120 | 30 | 0 | 15 | 5 | 0 | 5 | 5 | 10 | 5 | 5 | 5 | 0 | 15 | 5 | 52.17 | 13.04 | 0.00 | 6.52 | 2.17 | 0.00 | 2.17 | 2.17 | 4.35 | 2.17 | 2.17 | 2.17 | 2.17 | 0.00 | 6.52 | 2.17 | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 22-23)

Emission Factor Calculations (Hour: 00-01)

| Hour: 22-23 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--------------------------------------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 40 | 1.87 | 5.55 | 0.00 | 10.79 | 26.03 | 30.36 | 54.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.70 | 0.77 | 1.64 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.286 | 0.062 |
| 2 | Tong Bin Lane | 1 | 40 | 1.87 | 5.55 | 0.00 | 10.79 | 26.03 | 30.36 | 54.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.70 | 0.77 | 1.64 | 2.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.286 | 0.062 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 75 | 2.00 | 8.88 | 0.00 | 5.75 | 13.88 | 16.19 | 86.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.37 | 0.41 | 0.87 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.331 | 0.065 | |
| 4 | Yip Kan St | 1 | 80 | 2.18 | 8.32 | 0.00 | 5.39 | 13.02 | 15.18 | 81.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.35 | 0.39 | 0.82 | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.251 | 0.061 | | |
| 5 | Wong Chuk Hang Road | 2 | 875 | 1.78 | 6.17 | 0.00 | 7.27 | 9.80 | 2.52 | 11.00 | 4.53 | 0.32 | 1.39 | 3.10 | 4.20 | 6.67 | 3.24 | 40.34 | 1.19 | 0.15 | 0.00 | 0.00 | 0.42 | 0.25 | 0.12 | 0.48 | 0.33 | 0.03 | 0.06 | 0.21 | 0.26 | 0.30 | 0.02 | 0.39 | 0.02 | 1.035 | 0.030 | |
| 6 | Wong Chuk Hang Road | 2 | 1015 | 1.77 | 6.08 | 0.27 | 7.37 | 10.14 | 2.17 | 11.38 | 4.88 | 0.28 | 1.60 | 2.67 | 3.62 | 5.75 | 2.80 | 40.57 | 1.20 | 0.15 | 0.00 | 0.01 | 0.43 | 0.26 | 0.10 | 0.50 | 0.36 | 0.03 | 0.07 | 0.18 | 0.22 | 0.26 | 0.02 | 0.39 | 0.02 | 1.025 | 0.030 | |
| 7 | Wong Chuk Hang Road | 2 | 430 | 1.16 | 6.28 | 0.00 | 5.22 | 7.97 | 2.57 | 4.48 | 10.37 | 0.33 | 1.89 | 4.21 | 4.28 | 6.79 | 6.60 | 116.28 | 0.81 | 0.10 | 0.00 | 0.00 | 0.30 | 0.20 | 0.12 | 0.20 | 0.77 | 0.03 | 0.08 | 0.29 | 0.26 | 0.30 | 0.05 | 1.11 | 0.02 | 1.792 | 0.038 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 585 | 1.64 | 5.07 | 0.00 | 8.02 | 8.31 | 3.15 | 11.15 | 2.75 | 0.20 | 1.30 | 1.20 | 2.45 | 3.89 | 0.00 | 12.74 | 1.46 | 0.09 | 0.00 | 0.00 | 0.28 | 0.21 | 0.11 | 0.39 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.18 | 0.00 | 0.13 | 0.02 | 0.633 | 0.019 | |
| 9 | Wong Chuk Hang Road | 2 | 600 | 2.09 | 5.78 | 0.00 | 3.74 | 4.29 | 1.84 | 9.62 | 3.30 | 0.35 | 2.03 | 3.02 | 6.13 | 9.73 | 9.46 | 58.82 | 0.29 | 0.18 | 0.00 | 0.00 | 0.22 | 0.11 | 0.09 | 0.42 | 0.24 | 0.03 | 0.09 | 0.21 | 0.37 | 0.43 | 0.07 | 0.56 | 0.01 | 1.205 | 0.030 | |
| 10 | Wong Chuk Hang Road | 2 | 450 | 2.02 | 5.57 | 0.00 | 3.33 | 5.72 | 2.45 | 8.55 | 3.30 | 0.31 | 1.81 | 4.02 | 8.17 | 12.98 | 12.61 | 58.82 | 0.39 | 0.18 | 0.00 | 0.00 | 0.19 | 0.15 | 0.11 | 0.37 | 0.24 | 0.03 | 0.08 | 0.28 | 0.50 | 0.58 | 0.09 | 0.56 | 0.01 | 1.300 | 0.034 | |
| 11 | Wong Chuk Hang Road | 2 | 365 | 2.07 | 5.81 | 0.00 | 3.08 | 4.70 | 3.02 | 10.54 | 4.07 | 0.38 | 1.11 | 4.96 | 5.04 | 8.00 | 7.77 | 56.41 | 0.48 | 0.18 | 0.00 | 0.00 | 0.18 | 0.12 | 0.14 | 0.46 | 0.30 | 0.04 | 0.05 | 0.34 | 0.31 | 0.36 | 0.06 | 0.54 | 0.01 | 1.174 | 0.031 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 710 | 1.65 | 5.06 | 0.00 | 7.62 | 8.80 | 2.60 | 11.49 | 3.02 | 0.25 | 1.07 | 1.97 | 2.01 | 3.20 | 0.00 | 10.49 | 1.45 | 0.09 | 0.00 | 0.00 | 0.27 | 0.22 | 0.09 | 0.40 | 0.15 | 0.02 | 0.05 | 0.18 | 0.16 | 0.15 | 0.00 | 0.11 | 0.02 | 0.607 | 0.019 | |
| 13 | Wong Chuk Hang Road | 2 | 410 | 0.53 | 4.70 | 0.00 | 3.65 | 4.18 | 0.00 | 0.00 | 15.71 | 0.17 | 0.00 | 2.21 | 4.49 | 7.12 | 20.76 | 251.07 | 0.42 | 0.05 | 0.00 | 0.00 | 0.21 | 0.11 | 0.00 | 0.00 | 1.16 | 0.02 | 0.00 | 0.15 | 0.27 | 0.32 | 0.15 | 2.41 | 0.01 | 3.150 | 0.049 | |
| 14 | Wong Chuk Hang Road | 2 | 215 | 1.11 | 6.28 | 0.00 | 5.22 | 7.97 | 0.00 | 8.95 | 9.22 | 0.33 | 1.89 | 4.21 | 8.55 | 13.58 | 13.20 | 109.44 | 0.81 | 0.10 | 0.00 | 0.00 | 0.30 | 0.20 | 0.00 | 0.39 | 0.68 | 0.03 | 0.08 | 0.29 | 0.52 | 0.61 | 0.10 | 1.05 | 0.02 | 1.907 | 0.044 | |
| 15 | Wong Chuk Hang Road | 2 | 920 | 1.76 | 6.08 | 0.30 | 7.32 | 10.25 | 2.40 | 10.46 | 4.85 | 0.30 | 1.33 | 2.95 | 4.00 | 6.35 | 3.08 | 41.56 | 1.13 | 0.15 | 0.00 | 0.01 | 0.42 | 0.26 | 0.11 | 0.46 | 0.36 | 0.03 | 0.06 | 0.20 | 0.24 | 0.28 | 0.02 | 0.40 | 0.02 | 1.041 | 0.030 | |
| 16 | Nam Long Shan Road | 1 | 550 | 2.27 | 5.65 | 0.00 | 4.71 | 5.68 | 2.21 | 7.86 | 5.68 | 0.30 | 1.70 | 4.43 | 8.74 | 13.87 | 14.29 | 86.30 | 1.05 | 0.26 | 0.00 | 0.00 | 0.30 | 0.17 | 0.12 | 0.42 | 0.73 | 0.04 | 0.09 | 0.31 | 0.55 | 0.73 | 0.10 | 0.93 | 0.04 | 1.647 | 0.048 | |
| 17 | Heung Yip Road | 1 | 180 | 2.36 | 3.70 | 0.00 | 11.98 | 17.35 | 0.00 | 12.00 | 0.00 | 0.92 | 2.59 | 6.77 | 13.35 | 21.19 | 0.00 | 0.00 | 1.07 | 0.27 | 0.00 | 0.00 | 0.78 | 0.52 | 0.00 | 0.64 | 0.00 | 0.11 | 0.13 | 0.48 | 0.84 | 1.12 | 0.00 | 0.00 | 0.04 | 0.933 | 0.049 | |
| 18 | Heung Yip Road | 1 | 220 | 2.38 | 4.03 | 0.00 | 11.77 | 14.20 | 5.52 | 9.82 | 0.00 | 0.75 | 4.24 | 5.54 | 10.93 | 17.34 | 0.00 | 0.00 | 0.87 | 0.27 | 0.00 | 0.00 | 0.76 | 0.42 | 0.30 | 0.52 | 0.00 | 0.09 | 0.21 | 0.39 | 0.69 | 0.92 | 0.00 | 0.00 | 0.03 | 0.874 | 0.046 | |
| 19 | Heung Yip Road | 1 | 300 | 2.33 | 3.70 | 0.00 | 11.51 | 13.88 | 4.05 | 14.41 | 0.00 | 0.82 | 4.66 | 8.12 | 8.01 | 12.72 | 0.00 | 0.00 | 1.28 | 0.27 | 0.00 | 0.00 | 0.74 | 0.41 | 0.22 | 0.77 | 0.00 | 0.10 | 0.24 | 0.58 | 0.50 | 0.67 | 0.00 | 0.00 | 0.05 | 0.855 | 0.045 | |
| 20 | Yip Fat St | 1 | 155 | 2.25 | 4.29 | 0.00 | 11.13 | 13.44 | 0.00 | 13.94 | 0.00 | 1.06 | 3.01 | 7.86 | 15.51 | 24.61 | 0.00 | 0.00 | 1.24 | 0.26 | 0.00 | 0.00 | 0.72 | 0.40 | 0.00 | 0.74 | 0.00 | 0.13 | 0.15 | 0.56 | 0.97 | 1.30 | 0.00 | 0.00 | 0.05 | 0.984 | 0.053 | |
| 21 | Heung Yip Road | 1 | 155 | 2.41 | 4.29 | 0.00 | 11.13 | 13.44 | 0.00 | 13.94 | 0.00 | 0.53 | 3.01 | 7.86 | 15.51 | 24.61 | 0.00 | 0.00 | 1.24 | 0.28 | 0.00 | 0.00 | 0.72 | 0.40 | 0.00 | 0.74 | 0.00 | 0.07 | 0.15 | 0.56 | 0.97 | 1.30 | 0.00 | 0.00 | 0.05 | 0.980 | 0.052 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 105 | 2.14 | 4.23 | 0.00 | 12.33 | 19.83 | 0.00 | 20.58 | 0.00 | 0.78 | 4.44 | 11.60 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 0.24 | 0.00 | 0.00 | 0.80 | 0.59 | 0.00 | 1.10 | 0.00 | 0.10 | 0.22 | 0.82 | 0.00 | 0.00 | 0.00 | 0.07 | 0.778 | 0.039 | | |
| 24 | Heung Yip Road | 1 | 145 | 2.41 | 3.06 | 0.00 | 11.90 | 14.36 | 0.00 | 14.90 | 0.00 | 0.57 | 3.22 | 8.40 | 16.58 | 26.31 | 0.00 | 0.00 | 1.33 | 0.27 | 0.00 | 0.00 | 0.77 | 0.43 | 0.00 | 0.80 | 0.00 | 0.07 | 0.16 | 0.59 | 1.04 | 1.39 | 0.00 | 0.00 | 0.05 | 1.030 | 0.056 | |
| 25 | Heung Yip Road | 1 | 175 | 2.57 | 5.07 | 0.00 | 9.86 | 11.90 | 0.00 | 12.35 | 0.00 | 0.94 | 5.33 | 6.96 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 0.29 | 0.00 | 0.00 | 0.64 | 0.35 | 0.00 | 0.66 | 0.00 | 0.12 | 0.27 | 0.49 | 0.00 | 0.00 | 0.00 | 0.04 | 0.561 | 0.029 | | |
| 26 | Heung Yip Road | 1 | 220 | 2.50 | 5.04 | 0.00 | 7.84 | 14.20 | 5.52 | 9.82 | 0.00 | 0.75 | 4.24 | 5.54 | 10.93 | 17.34 | 0.00 | 0.00 | 0.87 | 0.28 | 0.00 | 0.00 | 0.51 | 0.42 | 0.30 | 0.52 | 0.00 | 0.09 | 0.21 | 0.39 | 0.69 | 0.92 | 0.00 | 0.00 | 0.03 | 0.846 | 0.044 | |
| 27 | Heung Yip Road | 1 | 65 | 2.30 | 3.41 | 0.00 | 13.28 | 16.02 | 0.00 | 0.00 | 0.00 | 1.27 | 7.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.96 | 0.26 | 0.00 | 0.00 | 0.86 | 0.48 | 0.00 | 0.00 | 0.00 | 0.16 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.464 | 0.022 | | |
| 28 | Heung Yip Road | 1 | 85 | 2.35 | 2.61 | 0.00 | 10.15 | 12.25 | 0.00 | 25.42 | 0.00 | 0.97 | 5.49 | 14.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 0.27 | 0.00 | 0.00 | 0.66 | 0.36 | 0.00 | 1.36 | 0.00 | 0.12 | 0.28 | 1.01 | 0.00 | 0.00 | 0.00 | 0.09 | 0.758 | 0.041 | | |
| 29 | Heung Yip Road | 1 | 125 | 2.20 | 3.55 | 0.00 | 10.35 | 16.66 | 0.00 | 17.29 | 0.00 | 0.66 | 3.73 | 9.75 | 19.23 | 30.52 | 0.00 | 0.00 | 1.54 | 0.25 | 0.00 | 0.00 | 0.67 | 0.49 | 0.00 | 0.92 | 0.00 | 0.08 | 0.19 | 0.69 | 1.21 | 1.62 | 0.00 | 0.00 | 0.06 | 1.155 | 0.062 | |
| 30 | Nam Long Shan Road | 1 | 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 486.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.23 | 0.00 | 5.215 | 0.097 | | | |
| 31 | Nam Long Shan Road | 1 | 250 | 2.50 | 5.33 | 0.00 | 5.18 | 8.33 | 0.00 | 8.64 | 2.08 | 0.66 | 3.73 | 4.87 | 9.62 | 15.26 | 15.72 | 43.81 | 0.77 | 0.28 | 0.00 | 0.00 | 0.34 | 0.25 | 0.00 | 0.46 | 0.27 | 0.08 | 0.19 | 0.35 | 0.60 | 0.81 | 0.11 | 0.47 | 0.03 | 1.265 | 0.042 | |
| 32 | Nam Long Shan Road | 1 | 245 | 2.44 | 5.43 | 0.00 | 5.28 | 8.50 | 0.00 | 8.82 | 2.12 | 0.67 | 3.81 | 4.97 | 9.81 | 15.57 | 16.04 | 44.71 | 0.79 | 0.28 | 0.00 | 0.00 | 0.34 | 0.25 | 0.00 | 0.47 | 0.27 | 0.08 | 0.19 | 0.35 | 0.62 | 0.82 | 0.11 | 0.48 | 0.03 | 1.290 | 0.043 | |
| 33 | Welfare Road | 1 | 25 | 2.99 | 8.88 | 0.00 | 17.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.291 | 0.015 | | |
| 34 | Welfare Road | 1 | 20 | 3.74 | 11.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.148 | 0.004 | | |
| 35 | Shum Wan Road | 1 | 170 | 1.76 | 6.53 | 0.00 | 5.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 23-00)

Traffic (Hour: 23-00)

| Hour: 23-00 | | Road No. | Road | Road Type | Flow (veh./hr) | Flow Rate (veh./hr) | | | | | | | | | | | | | | | % of Total Flow | | | | | | | | | | | | | |
|-------------|---------------------------------|----------|------|-----------|----------------|---------------------|------|------|------|------|-----|-----|-----|------|------|-------|--------|-------|-------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PC | Taxi | | | | | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD |
| 1 | Yip Hing St | 1 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 50.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2 | Tong Bin Lane | 1 | 25 | 15 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 60.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 55 | 25 | 10 | 0 | 5 | 0 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 45.45 | 18.18 | 0.00 | 9.09 | 0.00 | 9.09 | 18.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 4 | Yip Kan St | 1 | 60 | 25 | 10 | 0 | 5 | 5 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 41.67 | 16.67 | 0.00 | 8.33 | 8.33 | 8.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5 | Wong Chuk Hang Road | 2 | 885 | 365 | 145 | 0 | 80 | 50 | 10 | 25 | 40 | 20 | 15 | 15 | 10 | 65 | 30 | 41.24 | 16.38 | 0.00 | 9.04 | 5.65 | 1.13 | 2.82 | 4.52 | 2.26 | 1.69 | 1.69 | 1.13 | 1.13 | 0.56 | 7.34 | 3.39 | |
| 6 | Wong Chuk Hang Road | 2 | 1020 | 420 | 165 | 5 | 100 | 55 | 10 | 25 | 50 | 20 | 20 | 15 | 10 | 75 | 35 | 41.18 | 16.18 | 0.49 | 9.80 | 5.39 | 0.98 | 2.45 | 4.90 | 1.96 | 1.96 | 1.47 | 0.98 | 0.98 | 0.49 | 7.35 | 3.43 | |
| 7 | Wong Chuk Hang Road | 2 | 435 | 120 | 70 | 0 | 30 | 20 | 5 | 5 | 45 | 10 | 10 | 10 | 5 | 85 | 10 | 27.59 | 16.09 | 0.00 | 6.90 | 4.60 | 1.15 | 1.15 | 10.34 | 2.30 | 2.30 | 2.30 | 1.15 | 1.15 | 1.15 | 19.54 | 2.30 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 585 | 275 | 95 | 0 | 60 | 35 | 10 | 20 | 15 | 10 | 10 | 5 | 5 | 25 | 25 | 47.01 | 16.24 | 0.00 | 10.26 | 5.98 | 1.71 | 3.42 | 2.56 | 1.71 | 1.71 | 0.85 | 0.85 | 0.85 | 0.00 | 2.56 | 4.27 | |
| 9 | Wong Chuk Hang Road | 2 | 620 | 300 | 95 | 0 | 30 | 15 | 5 | 15 | 20 | 15 | 10 | 10 | 10 | 65 | 5 | 48.39 | 15.32 | 0.00 | 4.84 | 2.42 | 0.81 | 2.42 | 3.23 | 2.42 | 2.42 | 1.61 | 1.61 | 1.61 | 10.48 | 0.81 | | |
| 10 | Wong Chuk Hang Road | 2 | 465 | 220 | 70 | 0 | 20 | 15 | 5 | 10 | 15 | 10 | 10 | 10 | 10 | 45 | 5 | 47.31 | 15.05 | 0.00 | 4.30 | 3.23 | 1.08 | 2.15 | 3.23 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 9.68 | 1.08 | |
| 11 | Wong Chuk Hang Road | 2 | 375 | 180 | 55 | 0 | 15 | 10 | 5 | 10 | 15 | 10 | 5 | 10 | 5 | 40 | 5 | 48.00 | 14.67 | 0.00 | 4.00 | 2.67 | 1.33 | 2.67 | 4.00 | 2.67 | 1.33 | 1.33 | 1.33 | 1.33 | 10.67 | 1.33 | | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 720 | 335 | 120 | 0 | 75 | 45 | 10 | 25 | 20 | 15 | 10 | 10 | 5 | 15 | 30 | 46.53 | 16.67 | 0.00 | 10.42 | 6.25 | 1.39 | 3.47 | 2.78 | 2.08 | 1.39 | 1.39 | 0.69 | 0.69 | 0.00 | 2.08 | 4.17 | |
| 13 | Wong Chuk Hang Road | 2 | 410 | 45 | 50 | 0 | 20 | 10 | 0 | 0 | 70 | 5 | 0 | 5 | 5 | 5 | 10.98 | 12.20 | 0.00 | 4.88 | 2.44 | 0.00 | 0.00 | 17.07 | 1.22 | 0.00 | 1.22 | 1.22 | 1.22 | 3.66 | 42.68 | 1.22 | | |
| 14 | Wong Chuk Hang Road | 2 | 215 | 55 | 35 | 0 | 15 | 10 | 0 | 5 | 20 | 5 | 5 | 5 | 5 | 40 | 5 | 25.58 | 16.28 | 0.00 | 6.98 | 4.65 | 0.00 | 2.33 | 9.30 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 18.60 | 2.33 | | |
| 15 | Wong Chuk Hang Road | 2 | 920 | 380 | 145 | 5 | 90 | 50 | 10 | 25 | 45 | 20 | 15 | 15 | 10 | 65 | 30 | 41.30 | 15.76 | 0.54 | 9.78 | 5.43 | 1.09 | 2.72 | 4.89 | 2.17 | 1.63 | 1.63 | 1.09 | 0.54 | 7.07 | 3.26 | | |
| 16 | Nam Long Shan Road | 1 | 555 | 255 | 75 | 0 | 25 | 15 | 5 | 10 | 30 | 10 | 10 | 10 | 10 | 65 | 15 | 45.95 | 13.51 | 0.00 | 4.50 | 2.70 | 0.90 | 1.80 | 5.41 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 11.71 | 2.70 | | |
| 17 | Heung Yip Road | 1 | 130 | 65 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 0 | 5 | 50.00 | 7.69 | 0.00 | 11.54 | 7.69 | 0.00 | 3.85 | 0.00 | 7.69 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | | |
| 18 | Heung Yip Road | 1 | 175 | 85 | 15 | 0 | 20 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 0 | 0 | 5 | 48.57 | 8.57 | 0.00 | 11.43 | 8.57 | 0.00 | 2.86 | 0.00 | 5.71 | 5.71 | 2.86 | 0.00 | 2.86 | 0.00 | 2.86 | 3.85 | |
| 19 | Heung Yip Road | 1 | 225 | 110 | 20 | 0 | 30 | 15 | 0 | 5 | 0 | 10 | 10 | 5 | 5 | 10 | 48.89 | 8.89 | 0.00 | 13.33 | 6.67 | 0.00 | 2.22 | 0.00 | 4.44 | 4.44 | 2.22 | 2.22 | 2.22 | 0.00 | 0.00 | 4.44 | | |
| 20 | Yip Fat St | 1 | 105 | 50 | 10 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 47.62 | 9.52 | 0.00 | 14.29 | 9.52 | 0.00 | 4.76 | 0.00 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | | |
| 21 | Heung Yip Road | 1 | 110 | 60 | 10 | 0 | 15 | 10 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 54.55 | 9.09 | 0.00 | 13.64 | 9.09 | 0.00 | 0.00 | 0.00 | 4.55 | 4.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | | |
| 22 | Yip Fat St | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 23 | Yip Fat St | 1 | 65 | 35 | 5 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 53.85 | 7.69 | 0.00 | 15.38 | 7.69 | 0.00 | 0.00 | 0.00 | 7.69 | 7.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 24 | Heung Yip Road | 1 | 105 | 55 | 10 | 0 | 15 | 10 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 52.38 | 9.52 | 0.00 | 14.29 | 9.52 | 0.00 | 0.00 | 0.00 | 4.76 | 4.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | | |
| 25 | Heung Yip Road | 1 | 130 | 70 | 15 | 0 | 15 | 10 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 5 | 53.85 | 11.54 | 0.00 | 11.54 | 7.69 | 0.00 | 3.85 | 0.00 | 3.85 | 3.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | |
| 26 | Heung Yip Road | 1 | 165 | 90 | 20 | 0 | 15 | 10 | 0 | 5 | 0 | 10 | 5 | 5 | 0 | 5 | 54.55 | 12.12 | 0.00 | 9.09 | 6.06 | 0.00 | 3.03 | 0.00 | 6.06 | 3.03 | 3.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | |
| 27 | Heung Yip Road | 1 | 40 | 25 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62.50 | 12.50 | 0.00 | 12.50 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 28 | Heung Yip Road | 1 | 60 | 30 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 50.00 | 8.33 | 0.00 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 8.33 | 8.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.33 | |
| 29 | Heung Yip Road | 1 | 85 | 45 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 52.94 | 11.76 | 0.00 | 11.76 | 5.88 | 0.00 | 0.00 | 5.88 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | |
| 30 | Nam Long Shan Road | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 66.67 | 0.00 | | |
| 31 | Nam Long Shan Road | 1 | 175 | 95 | 25 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 | 54.29 | 14.29 | 0.00 | 5.71 | 2.86 | 0.00 | 0.00 | 2.86 | 2.86 | 2.86 | 2.86 | 0.00 | 0.00 | 2.86 | 5.71 | 2.86 | | |
| 32 | Nam Long Shan Road | 1 | 180 | 95 | 25 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 52.78 | 13.89 | 0.00 | 5.56 | 2.78 | 0.00 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 0.00 | 0.00 | 2.78 | 5.56 | 2.78 | | |
| 33 | Welfare Road | 1 | 20 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 34 | Welfare Road | 1 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66.67 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35 | Shum Wan Road | 1 | 95 | 30 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 31.58 | 15.79 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 0.00 | |
| 36 | Shum Wan Road | 1 | 95 | 35 | 15 | 0 | 5 | 5 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 36.84 | 15.79 | 0.00 | 5.26 | 5.26 | 0.00 | 0.00 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 5.26 | 0.00 | |
| 37 | Shum Wan Pier Drive | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 38 | Nam Long Shan Road | 1 | 180 | 100 | 25 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 10 | 55.56 | 13.89 | 0.00 | 5.56 | 2.78 | 0.00 | 2.78 | 2.78 | 2.78 | 2.78 | 2.78 | 0.00 | 0.00 | 0.00 | 5.56 | 2.78 | | |
| 39 | Nam Long Shan Road | 1 | 25 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 40 | Nam Long Shan Road | 1 | 30 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 83.33 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 41 | Police School Road | 1 | 170 | 95 | 25 | 0 | 10 | 5 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 10 | 55.88 | 14.71 | 0.00 | 5.88 | 2.94 | 0.00 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 0.00 | 0.00 | 2.94 | 5.88 | 2.94 | | |
| 42# | Police School Road | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### | ##### |

Calculation of Composite NOx and FSP Emission Rate due to Open Road Traffic in the Vicinity of the Site (Hour: 23-00)

Emission Factor Calculations (Hour: 00-01)

| Hour: 23-00 | | % of Total Flow x Emission Factor (NOx) | | | | | | | | | | | | | | | | | | % of Total Flow x Emission Factor (FSP) | | | | | | | | | | | | Composite Emission Factor (g/veh-km) | | | | | | |
|-------------|---------------------------------|---|----------------|------|-------|------|-------|-------|-------|--------|-------|------|------|------|------|-------|-------|--------|------|---|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|-------|-------|-------|-------|
| Road No. | Road | Road Type | Flow (veh./hr) | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | PC | Taxi | LGV3 | LGV4 | LGV6 | HGV7 | HGV8 | PLB | PV4 | PV5 | NFB6 | NFB7 | NFB8 | FBSD | FBDD | MC | NOx | FSP | |
| 1 | Yip Hing St | 1 | 20 | 2.40 | 10.58 | 0.00 | 0.00 | 0.00 | 0.00 | 105.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.185 | 0.057 |
| 2 | Tong Bin Lane | 1 | 25 | 2.87 | 8.46 | 0.00 | 0.00 | 0.00 | 0.00 | 84.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.957 | 0.047 |
| 3 | Tong Bin Lane (near J/Wong Chuk | 1 | 55 | 2.18 | 7.69 | 0.00 | 7.50 | 0.00 | 22.16 | 76.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.47 | 0.00 | 1.39 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.163 | 0.061 |
| 4 | Yip Kan St | 1 | 60 | 2.00 | 7.05 | 0.00 | 6.88 | 15.87 | 20.32 | 70.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.43 | 0.44 | 1.27 | 3.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.224 | 0.060 | |
| 5 | Wong Chuk Hang Road | 2 | 885 | 1.78 | 6.32 | 0.00 | 6.76 | 9.68 | 2.49 | 10.87 | 4.48 | 0.32 | 1.38 | 3.07 | 4.16 | 6.60 | 3.21 | 43.19 | 1.17 | 0.15 | 0.00 | 0.00 | 0.39 | 0.25 | 0.12 | 0.48 | 0.33 | 0.03 | 0.06 | 0.21 | 0.25 | 0.29 | 0.02 | 0.41 | 0.02 | 1.055 | 0.030 | |
| 6 | Wong Chuk Hang Road | 2 | 1020 | 1.78 | 6.24 | 0.27 | 7.34 | 9.24 | 2.16 | 9.43 | 4.86 | 0.27 | 1.59 | 2.66 | 3.61 | 5.72 | 2.78 | 43.24 | 1.19 | 0.15 | 0.00 | 0.01 | 0.42 | 0.24 | 0.10 | 0.41 | 0.36 | 0.03 | 0.07 | 0.18 | 0.22 | 0.26 | 0.02 | 0.41 | 0.02 | 1.024 | 0.029 | |
| 7 | Wong Chuk Hang Road | 2 | 435 | 1.19 | 6.20 | 0.00 | 5.16 | 7.88 | 2.54 | 4.42 | 10.25 | 0.32 | 1.87 | 4.16 | 4.23 | 6.71 | 6.52 | 114.92 | 0.79 | 0.10 | 0.00 | 0.00 | 0.30 | 0.20 | 0.12 | 0.19 | 0.76 | 0.03 | 0.08 | 0.29 | 0.26 | 0.30 | 0.05 | 1.10 | 0.01 | 1.772 | 0.038 | |
| 8 | Wong Chuk Hang Road(flyover) | 3 | 585 | 1.67 | 5.07 | 0.00 | 7.40 | 8.31 | 3.15 | 11.15 | 2.75 | 0.20 | 1.30 | 1.20 | 2.44 | 3.89 | 0.00 | 12.73 | 1.47 | 0.09 | 0.00 | 0.00 | 0.26 | 0.21 | 0.11 | 0.39 | 0.14 | 0.01 | 0.06 | 0.11 | 0.20 | 0.18 | 0.00 | 0.13 | 0.02 | 0.627 | 0.019 | |
| 9 | Wong Chuk Hang Road | 2 | 620 | 2.09 | 5.91 | 0.00 | 3.62 | 4.15 | 1.78 | 9.31 | 3.20 | 0.34 | 1.97 | 2.92 | 5.93 | 9.42 | 9.15 | 61.66 | 0.28 | 0.18 | 0.00 | 0.00 | 0.21 | 0.11 | 0.08 | 0.41 | 0.24 | 0.03 | 0.08 | 0.20 | 0.36 | 0.42 | 0.07 | 0.59 | 0.00 | 1.217 | 0.030 | |
| 10 | Wong Chuk Hang Road | 2 | 465 | 2.05 | 5.80 | 0.00 | 3.22 | 5.53 | 2.37 | 8.27 | 3.20 | 0.30 | 1.75 | 3.89 | 7.91 | 12.56 | 12.20 | 56.91 | 0.37 | 0.18 | 0.00 | 0.00 | 0.19 | 0.14 | 0.11 | 0.36 | 0.24 | 0.03 | 0.07 | 0.27 | 0.48 | 0.56 | 0.09 | 0.55 | 0.01 | 1.263 | 0.033 | |
| 11 | Wong Chuk Hang Road | 2 | 375 | 2.08 | 5.65 | 0.00 | 2.99 | 4.57 | 2.94 | 10.26 | 3.96 | 0.37 | 1.08 | 4.82 | 4.90 | 7.79 | 7.56 | 62.73 | 0.46 | 0.18 | 0.00 | 0.00 | 0.17 | 0.12 | 0.14 | 0.45 | 0.29 | 0.03 | 0.05 | 0.33 | 0.30 | 0.35 | 0.06 | 0.60 | 0.01 | 1.222 | 0.031 | |
| 12 | Wong Chuk Hang Road(flyover) | 3 | 720 | 1.66 | 5.21 | 0.00 | 7.52 | 8.68 | 2.56 | 11.32 | 2.98 | 0.24 | 1.06 | 1.95 | 1.99 | 3.16 | 0.00 | 10.35 | 1.43 | 0.09 | 0.00 | 0.00 | 0.27 | 0.22 | 0.09 | 0.39 | 0.15 | 0.01 | 0.05 | 0.17 | 0.16 | 0.15 | 0.00 | 0.11 | 0.02 | 0.601 | 0.019 | |
| 13 | Wong Chuk Hang Road | 2 | 410 | 0.47 | 4.70 | 0.00 | 3.65 | 4.18 | 0.00 | 0.00 | 16.91 | 0.17 | 0.00 | 2.21 | 4.49 | 7.12 | 20.76 | 251.02 | 0.42 | 0.04 | 0.00 | 0.00 | 0.21 | 0.11 | 0.00 | 0.00 | 1.25 | 0.02 | 0.00 | 0.15 | 0.27 | 0.32 | 0.15 | 2.41 | 0.01 | 3.161 | 0.049 | |
| 14 | Wong Chuk Hang Road | 2 | 215 | 1.11 | 6.28 | 0.00 | 5.22 | 7.97 | 0.00 | 8.95 | 9.21 | 0.33 | 1.89 | 4.21 | 8.55 | 13.58 | 13.19 | 109.42 | 0.80 | 0.10 | 0.00 | 0.00 | 0.30 | 0.20 | 0.00 | 0.39 | 0.68 | 0.03 | 0.08 | 0.29 | 0.52 | 0.61 | 0.10 | 1.05 | 0.01 | 1.907 | 0.044 | |
| 15 | Wong Chuk Hang Road | 2 | 920 | 1.79 | 6.08 | 0.30 | 7.32 | 9.32 | 2.40 | 10.46 | 4.85 | 0.30 | 1.33 | 2.95 | 4.00 | 6.35 | 3.08 | 41.55 | 1.13 | 0.16 | 0.00 | 0.01 | 0.42 | 0.24 | 0.11 | 0.46 | 0.36 | 0.03 | 0.06 | 0.20 | 0.24 | 0.28 | 0.02 | 0.40 | 0.02 | 1.032 | 0.030 | |
| 16 | Nam Long Shan Road | 1 | 555 | 2.20 | 5.72 | 0.00 | 3.72 | 5.15 | 2.20 | 7.60 | 5.34 | 0.27 | 1.54 | 3.67 | 7.44 | 11.82 | 11.32 | 75.58 | 1.01 | 0.23 | 0.00 | 0.00 | 0.23 | 0.14 | 0.14 | 0.40 | 0.50 | 0.03 | 0.07 | 0.26 | 0.47 | 0.57 | 0.08 | 0.80 | 0.04 | 1.446 | 0.039 | |
| 17 | Heung Yip Road | 1 | 130 | 2.40 | 3.25 | 0.00 | 9.52 | 14.65 | 0.00 | 16.23 | 0.00 | 1.17 | 3.30 | 7.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 0.25 | 0.00 | 0.00 | 0.60 | 0.41 | 0.00 | 0.84 | 0.00 | 0.12 | 0.15 | 0.55 | 0.00 | 0.00 | 0.00 | 0.06 | 0.598 | 0.030 | |
| 18 | Heung Yip Road | 1 | 175 | 2.33 | 3.63 | 0.00 | 9.43 | 16.33 | 0.00 | 12.06 | 0.00 | 0.87 | 4.90 | 5.82 | 0.00 | 18.75 | 0.00 | 0.00 | 0.00 | 1.07 | 0.24 | 0.00 | 0.00 | 0.59 | 0.46 | 0.00 | 0.63 | 0.00 | 0.09 | 0.22 | 0.41 | 0.00 | 0.91 | 0.00 | 0.04 | 0.752 | 0.036 | |
| 19 | Heung Yip Road | 1 | 225 | 2.34 | 3.76 | 0.00 | 11.00 | 12.70 | 0.00 | 9.38 | 0.00 | 0.68 | 3.81 | 4.53 | 9.18 | 14.58 | 0.00 | 0.00 | 0.00 | 1.66 | 0.24 | 0.00 | 0.00 | 0.69 | 0.36 | 0.00 | 0.49 | 0.00 | 0.07 | 0.17 | 0.32 | 0.58 | 0.71 | 0.00 | 0.00 | 0.07 | 0.736 | 0.037 |
| 20 | Yip Fat St | 1 | 105 | 2.28 | 4.03 | 0.00 | 11.79 | 18.14 | 0.00 | 20.09 | 0.00 | 0.73 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 0.24 | 0.00 | 0.00 | 0.74 | 0.51 | 0.00 | 1.04 | 0.00 | 0.08 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.629 | 0.029 | |
| 21 | Heung Yip Road | 1 | 110 | 2.61 | 3.85 | 0.00 | 11.25 | 17.32 | 0.00 | 0.00 | 0.00 | 0.69 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 0.27 | 0.00 | 0.00 | 0.70 | 0.48 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.413 | 0.018 | |
| 22 | Yip Fat St | 1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | | |
| 23 | Yip Fat St | 1 | 65 | 2.58 | 3.25 | 0.00 | 12.69 | 14.65 | 0.00 | 0.00 | 0.00 | 1.17 | 6.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.80 | 0.41 | 0.00 | 0.00 | 0.00 | 0.12 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.409 | 0.019 | |
| 24 | Heung Yip Road | 1 | 105 | 2.51 | 4.03 | 0.00 | 11.79 | 18.14 | 0.00 | 0.00 | 0.00 | 0.73 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 0.26 | 0.00 | 0.00 | 0.74 | 0.51 | 0.00 | 0.00 | 0.00 | 0.08 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.431 | 0.018 | |
| 25 | Heung Yip Road | 1 | 130 | 2.58 | 4.88 | 0.00 | 9.52 | 14.65 | 0.00 | 16.23 | 0.00 | 0.59 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 0.27 | 0.00 | 0.00 | 0.60 | 0.41 | 0.00 | 0.84 | 0.00 | 0.06 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.532 | 0.024 | |
| 26 | Heung Yip Road | 1 | 165 | 2.61 | 5.13 | 0.00 | 7.50 | 11.54 | 0.00 | 12.79 | 0.00 | 0.92 | 2.60 | 6.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.13 | 0.27 | 0.00 | 0.00 | 0.47 | 0.32 | 0.00 | 0.66 | 0.00 | 0.10 | 0.12 | 0.43 | 0.00 | 0.00 | 0.00 | 0.04 | 0.504 | 0.024 | |
| 27 | Heung Yip Road | 1 | 40 | 2.99 | 5.29 | 0.00 | 10.31 | 23.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.00 | 0.65 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.424 | 0.016 | |
| 28 | Heung Yip Road | 1 | 60 | 2.40 | 3.53 | 0.00 | 6.88 | 15.87 | 0.00 | 0.00 | 0.00 | 1.27 | 7.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 0.25 | 0.00 | 0.00 | 0.43 | 0.44 | 0.00 | 0.00 | 0.00 | 0.13 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.402 | 0.017 | |
| 29 | Heung Yip Road | 1 | 85 | 2.54 | 4.98 | 0.00 | 9.71 | 11.21 | 0.00 | 0.00 | 0.00 | 0.90 | 5.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 0.26 | 0.00 | 0.00 | 0.61 | 0.31 | 0.00 | 0.00 | 0.09 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.366 | 0.016 | | |
| 30 | Nam Long Shan Road | 1 | 15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 430.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.56 | 0.00 | 4.631 | 0.076 | | |
| 31 | Nam Long Shan Road | 1 | 175 | 2.60 | 6.04 | 0.00 | 4.71 | 5.44 | 0.00 | 0.00 | 2.82 | 0.44 | 2.45 | 5.82 | 0.00 | 0.00 | 17.95 | 36.87 | 1.07 | 0.27 | 0.00 | 0.00 | 0.30 | 0.15 | 0.00 | 0.00 | 0.26 | 0.05 | 0.11 | 0.41 | 0.00 | 0.00 | 0.12 | 0.39 | 0.04 | 0.862 | 0.021 | |
| 32 | Nam Long Shan Road | 1 | 180 | 2.53 | 5.88 | 0.00 | 4.58 | 5.29 | 0.00 | 11.72 | 2.74 | 0.42 | 2.38 | 5.66 | 0.00 | 0.00 | 17.45 | 35.85 | 1.04 | 0.26 | 0.00 | 0.00 | 0.29 | 0.15 | 0.00 | 0.61 | 0.26 | 0.04 | 0.11 | 0.40 | 0.00 | 0.00 | 0.12 | 0.38 | 0.04 | 0.955 | 0.026 | |
| 33 | Welfare Road | 1 | 20 | 3.59 | 10.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.142 | 0.004 | | |
| 34 | Welfare Road | 1 | 15 | 3.19 | 14.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.173 | 0.003 | | |
| 35 | Shum Wan Road | 1 | 95 | 1.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |