

## **APPENDIX 4.12 Emission Inventory of Open Roads (Operation)**

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2, Weighted NO, Weighted CO, Weighted HC, Weighted PM10, Weighted PM2.5), Hour 2, Hour 3, Hour 4.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (km/h), Hour 1 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone (m), Check Segment Width > Length, Speed Limit (km/h), Hour 1 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (MPD), X2, Y2, Z2 (MPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R, Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NOx, Weighted EF, Weighted RSP, Weighted FSP), Hour 2 (Traffic Flows, Weighted NOx, Weighted EF, Weighted RSP, Weighted FSP), Hour 3 (Traffic Flows, Weighted NOx, Weighted EF, Weighted RSP, Weighted FSP), Hour 4 (Traffic Flows, Weighted NOx, Weighted EF, Weighted RSP, Weighted FSP).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R, Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone (m), Check Segment Width > Length, Speed limit (km/h), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPD), Actual Road Width (m), Road Width + L/R, Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Masing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2, Weighted CO, Weighted PM10, Weighted PM2.5, Weighted TSP), Hour 10 (Traffic Flows, Weighted NO2, Weighted CO, Weighted PM10, Weighted PM2.5, Weighted TSP), Hour 11 (Traffic Flows, Weighted NO2, Weighted CO, Weighted PM10, Weighted PM2.5, Weighted TSP), Hour 12 (Traffic Flows, Weighted NO2, Weighted CO, Weighted PM10, Weighted PM2.5, Weighted TSP).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (km/h), Hour 9 (Trafic Flows, Weighted NOx, Weighted CO, Weighted SO2, Weighted PM10, Weighted PM2.5), Hour 10, Hour 11, Hour 12.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPD), Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (MPD), X2, Y2, Z2 (MPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (km/h), Hour 9 (Traffic Flows, Weighted NOx, Weighted CO, Weighted SO2, Weighted PM10, Weighted PM2.5), Hour 10, Hour 11, Hour 12.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Z, Check Segment Width > Length, Speed Limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R, Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 13 (Traffic Flows, Weighted NOx, Weighted CO, Weighted HC, Weighted PM10, Weighted PM2.5), Hour 14, Hour 15, Hour 16.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone Width (m), Check Segment Width > Length, Speed Limit (km/h), Hour 13 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPD), Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (MPD), X2, Y2, Z2 (MPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Z, Check Segment Width > Length, Speed Limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R, Mising Zone, Check Segment Width > Length, Speed limit (km/h), Hour 17 (Traffic Flows, Weighted NOx, Weighted CO, Weighted HC, Weighted PM10, Weighted PM2.5), Hour 18, Hour 19, Hour 20.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (km/h), Hour 17 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 18 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 19 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 20 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPD), Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (MPD), X2, Y2, Z2 (MPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed Limit (kph), Hour 17 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 17 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPD), Actual Road Width (m), Road Width + L/R, M, Zoning Use, Check Segment Width > Length, Speed Limit (kph), Hour 21 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 22 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 23 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP), Hour 24 (Traffic Flows, Weighted NOx, Weighted RSP, Weighted FSP).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (km/h), Road Width + L/R Mising Zone Width (m), Check Segment Width > Length, Speed Limit (km/h), Hour 21 (Traffic Flows, Weighted NOx, Weighted CO, Weighted SO2, Weighted PM10, Weighted PM2.5), Hour 22, Hour 23, Hour 24.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean Speed (mPH), Actual Road Width (m), Road Width + L/R Mising Zone (m), Check Segment Width > Length, Speed limit (kph), Hour 21 (Trafic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Trafic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Trafic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Trafic Flows, Weighted NO2 EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (MPD), X2, Y2, Z2 (MPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 21 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NOx EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Masing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone (m), Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Index	Road Label	Road Label	Road Name	Direction	Z1 (mPD)			Z2 (mPD)			Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 5					Hour 6					Hour 7					Hour 8					
					X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)							Highway Type	Traffic Flows (VPH)	Weighted NO <sub>2</sub> EF (g/veh/mile)	Weighted NO EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted NO <sub>2</sub> EF (g/veh/mile)	Weighted NO EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted NO <sub>2</sub> EF (g/veh/mile)	Weighted NO EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted NO <sub>2</sub> EF (g/veh/mile)	Weighted NO EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
246	9b	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	830903.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
247	9b	9b_SB			816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
248	9b	9b_SB			816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
249	9b	9b_SB			816149.9	830830.8	2.0	816130.2	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
250	9b	9b_SB			816130.2	830792.9	4.0	816115.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
251	9b	9b_SB			816115.7	830750.6	4.0	816101.7	830708.5	2.0	Bridge	35	3.0	7.7	13.7	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
252	9b	9b_SB			816101.7	830708.5	2.0	816130.2	830671.4	3.2	Fill	37	1.0	8.0	14.0	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
253	9b	9b_SB			816130.2	830671.4	3.2	816115.7	830639.3	0.0	At Grade	40	0.0	6.7	12.7	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
254	9b	9b_SB			816115.7	830639.3	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224
255	9b	9b_SB			816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	105	0.0748	0.3882	0.0180	0.1656	175	0.0793	0.4186	0.0204	0.0187	435	0.1017	0.4906	0.0229	0.0210	975	0.1037	0.5130	0.0244	0.0224

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1, X2, Y2, Z2, Highway Type, Segment Length, Mean MPD, Actual Road Width, Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit, Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with 45 columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Merging Zone (m), Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone (W), Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns for Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone (m), Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R, Zoning Use, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).





Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Masing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted CO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).





Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (i.e. Full Population Intake)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone (m), Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).







Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns for Index, Road Label, Road Name, Direction, and various emission metrics (Z1, Z2, Segment Length, Mean MPD, Actual Road Width, Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed Limit, Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF) for hours 5, 6, 7, and 8. Includes road names like Hong Po Road, Hing Kwai Street, Road L54D, Tsz Tin Road, and Castle Peak Road.

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, and 12 columns of traffic metrics (X1 to X12) for 12 different hours (Hour 9 to Hour 12). Each hour's data is presented as a pair of columns: Traffic Flows (VP/H) and Weighted NO2 EF (g/veh/mile).



Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (without Project)

Table with 40 columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed Limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF). Rows include Tin King Road, Ming Kum Road, Tsing Fuk Lane, San Fuk Road, and Tsun Wen Road.

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns for Index, Road Label, Road Name, Direction, and various pollutant emission metrics (CO, HC, NOx, PM, etc.) for different road segments and directions.

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1, Z2, Highway Type, Segment Length, Mean MPD, Actual Road Width, Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).





Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2033 (without Project)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22, Hour 23, Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 1 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 2 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 3 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 4 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Merging Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with 32 columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF). Rows include various road segments like Road L7, Road L54, Road L54A, Road L54B, Road L54C, Road L54D, Road L54E, Road L54F, Road L54G, Road L54H, Road L54I, Road L54J, Road L54K, Road L54L, Road L54M, Road L54N, Road L54O, Road L54P, Road L54Q, Road L54R, Road L54S, Road L54T, Road L54U, Road L54V, Road L54W, Road L54X, Road L54Y, Road L54Z, Road L54AA, Road L54AB, Road L54AC, Road L54AD, Road L54AE, Road L54AF, Road L54AG, Road L54AH, Road L54AI, Road L54AJ, Road L54AK, Road L54AL, Road L54AM, Road L54AN, Road L54AO, Road L54AP, Road L54AQ, Road L54AR, Road L54AS, Road L54AT, Road L54AU, Road L54AV, Road L54AW, Road L54AX, Road L54AY, Road L54AZ, Road L54BA, Road L54BB, Road L54BC, Road L54BD, Road L54BE, Road L54BF, Road L54BG, Road L54BH, Road L54BI, Road L54BJ, Road L54BK, Road L54BL, Road L54BM, Road L54BN, Road L54BO, Road L54BP, Road L54BQ, Road L54BR, Road L54BS, Road L54BT, Road L54BU, Road L54BV, Road L54BW, Road L54BX, Road L54BY, Road L54BZ, Road L54CA, Road L54CB, Road L54CC, Road L54CD, Road L54CE, Road L54CF, Road L54CG, Road L54CH, Road L54CI, Road L54CJ, Road L54CK, Road L54CL, Road L54CM, Road L54CN, Road L54CO, Road L54CP, Road L54CQ, Road L54CR, Road L54CS, Road L54CT, Road L54CU, Road L54CV, Road L54CW, Road L54CX, Road L54CY, Road L54CZ, Road L54DA, Road L54DB, Road L54DC, Road L54DD, Road L54DE, Road L54DF, Road L54DG, Road L54DH, Road L54DI, Road L54DJ, Road L54DK, Road L54DL, Road L54DM, Road L54DN, Road L54DO, Road L54DP, Road L54DQ, Road L54DR, Road L54DS, Road L54DT, Road L54DU, Road L54DV, Road L54DW, Road L54DX, Road L54DY, Road L54DZ, Road L54EA, Road L54EB, Road L54EC, Road L54ED, Road L54EE, Road L54EF, Road L54EG, Road L54EH, Road L54EI, Road L54EJ, Road L54EK, Road L54EL, Road L54EM, Road L54EN, Road L54EO, Road L54EP, Road L54EQ, Road L54ER, Road L54ES, Road L54ET, Road L54EU, Road L54EV, Road L54EW, Road L54EX, Road L54EY, Road L54EZ, Road L54FA, Road L54FB, Road L54FC, Road L54FD, Road L54FE, Road L54FF, Road L54FG, Road L54FH, Road L54FI, Road L54FJ, Road L54FK, Road L54FL, Road L54FM, Road L54FN, Road L54FO, Road L54FP, Road L54FQ, Road L54FR, Road L54FS, Road L54FT, Road L54FU, Road L54FV, Road L54FW, Road L54FX, Road L54FY, Road L54FZ, Road L54GA, Road L54GB, Road L54GC, Road L54GD, Road L54GE, Road L54GF, Road L54GG, Road L54GH, Road L54GI, Road L54GJ, Road L54GK, Road L54GL, Road L54GM, Road L54GN, Road L54GO, Road L54GP, Road L54GQ, Road L54GR, Road L54GS, Road L54GT, Road L54GU, Road L54GV, Road L54GW, Road L54GX, Road L54GY, Road L54GZ, Road L54HA, Road L54HB, Road L54HC, Road L54HD, Road L54HE, Road L54HF, Road L54HG, Road L54HH, Road L54HI, Road L54HJ, Road L54HK, Road L54HL, Road L54HM, Road L54HN, Road L54HO, Road L54HP, Road L54HQ, Road L54HR, Road L54HS, Road L54HT, Road L54HU, Road L54HV, Road L54HW, Road L54HX, Road L54HY, Road L54HZ, Road L54IA, Road L54IB, Road L54IC, Road L54ID, Road L54IE, Road L54IF, Road L54IG, Road L54IH, Road L54II, Road L54IJ, Road L54IK, Road L54IL, Road L54IM, Road L54IN, Road L54IO, Road L54IP, Road L54IQ, Road L54IR, Road L54IS, Road L54IT, Road L54IU, Road L54IV, Road L54IW, Road L54IX, Road L54IY, Road L54IZ, Road L54JA, Road L54JB, Road L54JC, Road L54JD, Road L54JE, Road L54JF, Road L54JG, Road L54JH, Road L54JI, Road L54JJ, Road L54JK, Road L54JL, Road L54JM, Road L54JN, Road L54JO, Road L54JP, Road L54JQ, Road L54JR, Road L54JS, Road L54JT, Road L54JU, Road L54JV, Road L54JW, Road L54JX, Road L54JY, Road L54JZ, Road L54KA, Road L54KB, Road L54KC, Road L54KD, Road L54KE, Road L54KF, Road L54KG, Road L54KH, Road L54KI, Road L54KJ, Road L54KL, Road L54KM, Road L54KN, Road L54KO, Road L54KP, Road L54KQ, Road L54KR, Road L54KS, Road L54KT, Road L54KU, Road L54KV, Road L54KW, Road L54KX, Road L54KY, Road L54KZ, Road L54LA, Road L54LB, Road L54LC, Road L54LD, Road L54LE, Road L54LF, Road L54LG, Road L54LH, Road L54LI, Road L54LJ, Road L54LK, Road L54LL, Road L54LM, Road L54LN, Road L54LO, Road L54LP, Road L54LQ, Road L54LR, Road L54LS, Road L54LT, Road L54LU, Road L54LV, Road L54LW, Road L54LX, Road L54LY, Road L54LZ, Road L54MA, Road L54MB, Road L54MC, Road L54MD, Road L54ME, Road L54MF, Road L54MG, Road L54MH, Road L54MI, Road L54MJ, Road L54MK, Road L54ML, Road L54MN, Road L54MO, Road L54MP, Road L54MQ, Road L54MR, Road L54MS, Road L54MT, Road L54MU, Road L54MV, Road L54MW, Road L54MX, Road L54MY, Road L54MZ, Road L54NA, Road L54NB, Road L54NC, Road L54ND, Road L54NE, Road L54NF, Road L54NG, Road L54NH, Road L54NI, Road L54NJ, Road L54NK, Road L54NL, Road L54NM, Road L54NO, Road L54NP, Road L54NQ, Road L54NR, Road L54NS, Road L54NT, Road L54NU, Road L54NV, Road L54NW, Road L54NX, Road L54NY, Road L54NZ, Road L54OA, Road L54OB, Road L54OC, Road L54OD, Road L54OE, Road L54OF, Road L54OG, Road L54OH, Road L54OI, Road L54OJ, Road L54OK, Road L54OL, Road L54OM, Road L54ON, Road L54OO, Road L54OP, Road L54OQ, Road L54OR, Road L54OS, Road L54OT, Road L54OU, Road L54OV, Road L54OW, Road L54OX, Road L54OY, Road L54OZ, Road L54PA, Road L54PB, Road L54PC, Road L54PD, Road L54PE, Road L54PF, Road L54PG, Road L54PH, Road L54PI, Road L54PJ, Road L54PK, Road L54PL, Road L54PM, Road L54PN, Road L54PO, Road L54PP, Road L54PQ, Road L54PR, Road L54PS, Road L54PT, Road L54PU, Road L54PV, Road L54PW, Road L54PX, Road L54PY, Road L54PZ, Road L54QA, Road L54QB, Road L54QC, Road L54QD, Road L54QE, Road L54QF, Road L54QG, Road L54QH, Road L54QI, Road L54QJ, Road L54QK, Road L54QL, Road L54QM, Road L54QN, Road L54QO, Road L54QP, Road L54QQ, Road L54QR, Road L54QS, Road L54QT, Road L54QU, Road L54QV, Road L54QW, Road L54QX, Road L54QY, Road L54QZ, Road L54RA, Road L54RB, Road L54RC, Road L54RD, Road L54RE, Road L54RF, Road L54RG, Road L54RH, Road L54RI, Road L54RJ, Road L54RK, Road L54RL, Road L54RM, Road L54RN, Road L54RO, Road L54RP, Road L54RQ, Road L54RR, Road L54RS, Road L54RT, Road L54RU, Road L54RV, Road L54RW, Road L54RX, Road L54RY, Road L54RZ, Road L54SA, Road L54SB, Road L54SC, Road L54SD, Road L54SE, Road L54SF, Road L54SG, Road L54SH, Road L54SI, Road L54SJ, Road L54SK, Road L54SL, Road L54SM, Road L54SN, Road L54SO, Road L54SP, Road L54SQ, Road L54SR, Road L54SS, Road L54ST, Road L54SU, Road L54SV, Road L54SW, Road L54SX, Road L54SY, Road L54SZ, Road L54TA, Road L54TB, Road L54TC, Road L54TD, Road L54TE, Road L54TF, Road L54TG, Road L54TH, Road L54TI, Road L54TJ, Road L54TK, Road L54TL, Road L54TM, Road L54TN, Road L54TO, Road L54TP, Road L54TQ, Road L54TR, Road L54TS, Road L54TT, Road L54TU, Road L54TV, Road L54TW, Road L54TX, Road L54TY, Road L54TZ, Road L54UA, Road L54UB, Road L54UC, Road L54UD, Road L54UE, Road L54UF, Road L54UG, Road L54UH, Road L54UI, Road L54UJ, Road L54UK, Road L54UL, Road L54UM, Road L54UN, Road L54UO, Road L54UP, Road L54UQ, Road L54UR, Road L54US, Road L54UT, Road L54UU, Road L54UV, Road L54UW, Road L54UX, Road L54UY, Road L54UZ, Road L54VA, Road L54VB, Road L54VC, Road L54VD, Road L54VE, Road L54VF, Road L54VG, Road L54VH, Road L54VI, Road L54VJ, Road L54VK, Road L54VL, Road L54VM, Road L54VN, Road L54VO, Road L54VP, Road L54VQ, Road L54VR, Road L54VS, Road L54VT, Road L54VU, Road L54VV, Road L54VW, Road L54VX, Road L54VY, Road L54VZ, Road L54WA, Road L54WB, Road L54WC, Road L54WD, Road L54WE, Road L54WF, Road L54WG, Road L54WH, Road L54WI, Road L54WJ, Road L54WK, Road L54WL, Road L54WM, Road L54WN, Road L54WO, Road L54WP, Road L54WQ, Road L54WR, Road L54WS, Road L54WT, Road L54WU, Road L54WV, Road L54WW, Road L54WX, Road L54WY, Road L54WZ, Road L54XA, Road L54XB, Road L54XC, Road L54XD, Road L54XE, Road L54XF, Road L54XG, Road L54XH, Road L54XI, Road L54XJ, Road L54XK, Road L54XL, Road L54XM, Road L54XN, Road L54XO, Road L54XP, Road L54XQ, Road L54XR, Road L54XS, Road L54XT, Road L54XU, Road L54XV, Road L54XW, Road L54XX, Road L54XY, Road L54XZ, Road L54YA, Road L54YB, Road L54YC, Road L54YD, Road L54YE, Road L54YF, Road L54YG, Road L54YH, Road L54YI, Road L54YJ, Road L54YK, Road L54YL, Road L54YM, Road L54YN, Road L54YO, Road L54YP, Road L54YQ, Road L54YR, Road L54YS, Road L54YT, Road L54YU, Road L54YV, Road L54YW, Road L54YX, Road L54YY, Road L54YZ, Road L54ZA, Road L54ZB, Road L54ZC, Road L54ZD, Road L54ZE, Road L54ZF, Road L54ZG, Road L54ZH, Road L54ZI, Road L54ZJ, Road L54ZK, Road L54ZL, Road L54ZM, Road L54ZN, Road L54ZO, Road L54ZP, Road L54ZQ, Road L54ZR, Road L54ZS, Road L54ZT, Road L54ZU, Road L54ZV, Road L54ZW, Road L54ZX, Road L54ZY, Road L54ZZ.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 5 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 6 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 7 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 8 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean SPD, Actual Road Width (m), Road Width + L/R Masing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10, Hour 11, Hour 12.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1, X2, Y2, Z2, Highway Type, Segment Length, Mean MPD, Actual Road Width, Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 9 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 10 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 11 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 12 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Merging Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns for Index, Road Label, Road Name, Direction, and various emission metrics (CO, NOx, SO2, PM, etc.) for different road segments and directions.



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 13 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 14 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 15 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 16 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Main data table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1, X2, Y2, Z2, Highway Type, Segment Length, Mean MPD, Actual Road Width, Road Width + L/R Masing Zone, Check Segment Width > Length, Speed limit (kph), and emission rates for Hour 17, Hour 18, Hour 19, and Hour 20.

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mising Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, Check Segment Width > Length, Speed limit (kph), Hour 17 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 18 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 19 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 20 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mising Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).



Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).

Emission Inventory of Open Roads for Year 2029 (i.e. All Project Roads Commenced and without Noise Mitigation Measure)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean mPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Hour 21 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 22 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 23 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF), Hour 24 (Traffic Flows, Weighted NO2 EF, Weighted NO EF, Weighted RSP EF, Weighted FSP EF).