# **Contents**

			Page			
5	AIR QU	ALITY IMPACTS	1			
5.1	Legislati	on and Standards	1			
5.2		Air Quality Condition and Previous Monitoring Levels	2			
5.3	Air Sensitive Receivers & Pollution Sources					
5.4		I Concurrent Projects	8			
5.5 5.6		ction Dust Assessment onal Air Quality Assessment	9 16			
5.7	Conclus	•	28			
App	endic	es				
Appen	dix 5A	Calculation of Fugitive Dust Emission Factors				
Appen	dix 5B	Locations and Details of Worksites for Fugitive Dust Assessment				
Appen	dix 5C	Extent of Road not included in PATH				
Appen	dix 5D	2031 Emission Inventory				
Appen	dix 5E	Airport Operation Information				
Appen	dix 5F-1	Key Assumptions for EmFAC Modelling				
Appendix 5F-2		Vehicle Emission Factors for 2031 (including composite vehicle emission factors for each road link)				
Appen	dix 5G	Vehicle Emission at Kiosks, Loading / Unloading Bays				
Appen	dix 5H	Vehicle Emission Factors for TMCLKL				
Appen	dix 5I	Tunnel Emission Calculations				
Appen	dix 5J	Cumulative Air Quality Impacts				
Figu	ıres					
Figure	5.1a	Locations of Air Sensitive Receivers – Key Plan				
Figure	5.1b	Locations of Air Sensitive Receivers – Sheet 1				
Figure	5.1c	Locations of Air Sensitive Receivers – Sheet 2				
Figure	5.1d	Locations of Air Sensitive Receivers – Sheet 3				
Figure	5.2a	Locations of Fugitive Dust Emission Sources				
Figure	5.2b	Locations of Concrete Batching Plants				
Figure	5.3	Contours for Fugitive Dust Concentration				
Figure	5.4a	Location of Operational Air Quality Emission Sources – Key Plan				
Figure 5.4b Location of Operational Air Q		Location of Operational Air Quality Emission Sources - Sheet 1				
Figure 5.4c Location of Operational Air Quality Emission Sour		Location of Operational Air Quality Emission Sources - Sheet 2				
Figure	5.4d	Location of Operational Air Quality Emission Sources - Sheet 3				
Figure 5.4e Location of Operational Air Quality Emission Sources – S		Location of Operational Air Quality Emission Sources - Sheet 4				
Figure	5.4f	Location of Operational Air Quality Emission Sources – Sheet 5				
Figure 5.4g		Location of the Existing Noise Barriers in Tung Chung				

Figure 5.5a	Pollution Contour (I) (1-hr NO <sub>2</sub> & 24-hr NO <sub>2</sub> )
Figure 5.5b	Pollution Contour (II) (1-hr NO <sub>2</sub> & 24-hr NO <sub>2</sub> )
Figure 5.5c	Pollution Contour (III) (1-hr NO <sub>2</sub> & 24-hr NO <sub>2</sub> )

# 5 AIR QUALITY IMPACTS

## 5.1 Legislation and Standards

5.1.1 For the criteria as regards air quality impact assessment, reference shall be made to the Hong Kong Planning Standards and Guidelines (HKPSG), the Air Pollution Control Ordinance (APCO) (Cap.311), and Annex 4 of the Technical Memorandum on Environmental Impact Assessment Process (TM-EIAO).

- 5.1.2 The APCO (Cap.311) provides the power for controlling air pollutants from a variety of stationary and mobile sources and encompasses a number of Air Quality Objectives (AQOs). In addition to the APCO, the following overall policy objectives are laid down in Chapter 9 of the Hong Kong Planning Standards and Guidelines (HKPSG) as follows:
  - (a) Limit the contamination of the air in Hong Kong, through land use planning and through the enforcement of the APCO, to safeguard the health and well-being of the community; and
  - (b) Ensure that the AQO for 7 common air pollutants are met as soon as possible.
- 5.1.3 Currently, the AQOs stipulate limits on concentrations for 7 pollutants including sulphur dioxide (SO2), Total Suspended Particulates (TSP), Respirable Suspended Particulates (RSP), Nitrogen Dioxide (NO2), Carbon Monoxide (CO), photochemical oxidants, and Lead (Pb). The AQOs are listed in the table below.

Table 5-1 Hong Kong Air Quality Objectives (HKAQO)

	Limits on Concentration, ug/m³ [1] (ppm in brackets)				
Pollutant	1-hr <sup>[2]</sup>	8-hr [3]	24-hr [3]	Monthly [4]	Annual [4]
Sulphur Dioxide	800		350		80
	(0.3)		(0.13)		(0.03)
Total Suspended Particulates	500 [7]		260		80
Respirable Suspended Particulates [5]			180		55
Carbon Monoxide	30,000	10,000			
	(26.2)	(8.7)			
Nitrogen Dioxide	300		150		80
	(0.16)		(0.08)		(0.04)
Photochemical Oxidants (as ozone) [6]	240				
Lead				1.5	

#### Notes:

- [1] Measured at 298K and 101.325 kPa.
- [2] Not to be exceeded more than three times per year.
- [3] Not to be exceeded more than once per year.
- [4] Arithmetic mean.
- [5] Respirable suspended particulates means suspended particulates in air with a nominal aerodynamic diameter of 10 micrometres or smaller.
- [6] Photochemical oxidants are determined by measurement of ozone only.
- [7] Not an AQO but is a criterion for evaluating air quality impacts as stated in Annex 4 of *TM-FIAO*.
- 5.1.4 The key air emission source from HKLR and HKBCF is obviously the road traffic (ie vehicular emission). In this regard, air pollutants of concern would include nitrogen dioxide (NO2) and respirable suspended particulates (RSP), and they

have been assessed in this study. The emissions as regards other pollutants such as CO etc from road traffic are insignificant.

# 5.2 Ambient Air Quality Condition and Previous Monitoring Levels

- 5.2.1 Existing air sensitive receivers in the vicinity of the project include various developments (residential, commercial etc) and village houses along the northern coast of Lantau (see **Section 5.3**). Key existing air pollution sources that may bear upon the air quality in Tung Chung/North Lantau include the roads (notably North Lantau Highway), the Chek Lap Kok Airport i.e. Hong Kong International Airport, Black Point Power Station, Castle Peak Power Station and the Lamma Power Station. Other regional emission sources beyond HK would also have certain influence on the background air quality level. Details of air pollution emission sources are discussed in **Sections 5.5 & 5.6**.
- 5.2.2 Historical air quality monitoring data from the nearest monitoring station, namely the Tung Chung station operated by EPD, have been examined. The latest 5 published years of air quality monitoring data, i.e. 2004 to 2008 at Tung Chung Monitoring Station are tabulated in the table below.

Table 5-2 Air Quality Monitoring Data (Tung Chung Station, 2004-2008)

Pollutant	Year	Highest 1-Hour Average (µg/m³)	Highest Daily Average (µg/m³)	Annual Average (µg/m³)
	2004	432	115	27
	2005	301	121	21
	2006	393	209	25
SO <sub>2</sub>	2007	259	95	23
	2008	266	91	18
	5-year mean [3]	330 (41%)	126 (36%)	23(29%)
	AQO - SO <sub>2</sub>	800	350	80
	2004	289	<u>166</u>	52
	2005	268	147	46
	2006	253	<u>157</u>	47
NO <sub>2</sub>	2007	248	127	46
	2008	256	134	49
	5-year mean [3]	263 (88%)	146 (97%)	48(60%)
	AQO – NO <sub>2</sub>	300	150	80
	2004	N/M	176	72
	2005	N/M	<u>261</u>	65
	2006	N/M	160	75
TSP	2007	N/M	240	70
	2008	N/M	198	69
	5-year mean [3]	N/M	207(80%)	71 (89%)
	AQO - TSP	N/M	260	80
CO	2004	3940	3385	799
	2005	5730	4541	923

Pollutant	Year	Highest 1-Hour Average (µg/m³)	Highest Daily Average (µg/m³)	Annual Average (µg/m³)
	2006	3670	260	782
	2007	3920	3514	820
	2008	2820	2566	860
	5-year mean [3]	4016(13%)	2853(29%)	837
	AQO - CO	30,000	10,000	N/A
RSP	2004	389	<u>209</u>	<u>62</u>
	2005	366	<u>217</u>	<u>57</u>
	2006	314	<u>254</u>	<u>56</u>
	2007	NM	<u>199</u>	54
	2008	243	146	52
	5-year mean [3]	328	<u>205(113%)</u>	<u>56(102%)</u>
	AQO - RSP	N/A	180	55
O <sub>3</sub>	2004	<u>403</u>	138	48
	2005	<u>357</u>	140	38
	2006	<u>302</u>	107	37
	2007	<u>308</u>	117	40
	2008	<u>310</u>	146	41
	5-year mean [3]	<u>336 (140%)</u>	130	41
Note	AQO – O <sub>3</sub>	240	N/A	N/A

#### Note:

- [1] N/M Not Measured
- [2] Monitoring results exceeded AQO are shown as underlined characters.
- [3] % of AQO is provided in the bracket. The 5-year mean is the average of the yearly maximum.
- n.a Not applicable since there is no HKAQO for this parameter.
- 5.2.3 It can be seen from the above table that the highest 1-hour  $NO_2$  concentration has gradually decreased from  $289 \text{ug/m}^3$  in 2004 to  $256 \text{ug/m}^3$  in 2008, against a criterion of  $300 \text{ug/m}^3$ . A similar trend is also observed for the daily  $NO_2$  concentration, which has decreased from  $166 \text{ug/m}^3$  in 2004 to  $134 \text{ug/m}^3$  in 2008. The maximum daily  $NO_2$  concentration at 2004 and 2006, however, exceeded the criterion of  $150 \text{ug/m}^3$ . The annual  $NO_2$  remains relatively steady in the range of  $46 52 \text{ug/m}^3$ , without any exceedance of the criterion of  $80 \text{ug/m}^3$ .
- 5.2.4 For RSP, the maximum daily concentration exceeded the AQO (in the range of 199-254ug/m³ in 2004 2007, against the AQO of 180ug/m³), but the concentration became AQO-compliant in 2008, being the lowest among the last 5 years. The annual RSP concentration shows a decreasing trend, with the 2008 annual RSP concentration being 52ug/m³ without exceeding the criterion of 55ug/m³.
- 5.2.5 The maximum hourly concentration of  $O_3$  from 2004 2008 has been relatively high, in the range of  $302 403 \text{ug/m}^3$ , against the AQO of  $240 \text{ug/m}^3$ . However, the proposed project will not generate any  $O_3$ . Hence,  $O_3$  is not a pollutant to be assessed in this EIA.
- 5.2.6 For SO<sub>2</sub> and CO, the pollutant level are relatively low, in the order of less than 41% and less than 13% of the corresponding hourly AQOs respectively. Hence,

SO<sub>2</sub> ad CO will not be assessed in this EIA.

5.2.7 For suspended particulates, road traffic emissions will mainly contribute to RSP. Hence, RSP will be included in the operation phase air quality assessment. However, the construction phase of the project will involve the emission of fugitive dusts, and hence TSP will be assessed for construction phase air quality impact.

# 5.3 Air Sensitive Receivers & Pollution Sources

#### 5.3.1 Air Sensitive Receivers

- 5.3.1.1 With reference to EIA Study Brief No. ESB-110/2003 for HKLR and ESB-183/2008 for HKBCF, the study area for air quality impact assessment should generally be defined by a distance of 500m from the boundary of the project site. Further, it should be extended to include major emission sources that may have a bearing on the environmental acceptability of the project. The study will also review the air quality impacts on the areas and other sensitive receivers beyond 500m from the site boundary, which may be potentially affected by the Project.
- 5.3.1.2 In accordance with Annex 12 of the TM-EIAO, Air Sensitive Receivers (ASRs) include domestic premises, hotel, hostel, hospital, clinic, nursery, temporary housing accommodation, school, educational institution, office, factory, shop, shopping centre, place of public worship, library, court of law, sports stadium or performing arts centre. Any other premises or places with which, in terms of duration or number of people affected, has a similar sensitivity to the air pollutants as the aforelisted premises and places would also be considered as a sensitive receiver.
- 5.3.1.3 Representative ASRs within a distance of 500m from the project boundary (including the proposed alignment, reclamation and the associated facilities) have been identified. Since there are some ASRs located outside the 500m range, representative ASRs beyond 500m from the project boundary have therefore been included in the assessment.
- **5.3.1.4** These ASRs include both the existing and planned developments. Existing ASRs are identified by means of reviewing topographic maps, aerial photos, land status plans, supplemented by site inspections; they include scattered village houses generally in 1 to 3-storeys high, as well as residential / commercial developments in Tung Chung/North Lantau.
- 5.3.1.5 Planned/committed ASRs are identified by making reference to relevant Outline Zoning Plans (OZP), Outline Development Plans, Layout Plans and other published plans in relation to the development on North Lantau, including:
  - Tung Chung Town Centre Area OZP (No. S/I-TCTC/13);
  - Tung Chung Town Centre Area Layout Plan Lantau Island (No. L/I-TCTC/1C);
  - North Lantau New Town Phase IIB Area (Part) Layout Plan (No. L/I-TCIIB/1C).
- **5.3.1.6** The relevant stakeholders were also approached to obtain latest information on planning application, layout and building height. The major planned uses in the vicinity of the area include:
  - Tung Chung East and West Further Developments (whilst there are no confirmed development layout, this EIA has included indicative locations to assess the future air quality impacts);
  - Possible tourism initiatives in Lantau (including the possible Theme Park and the Sunny Bay Tourism node as indicated in the Concept Plan for Lantau);

- Lantau Logistics Park; and
- The possible transport hub at MTRCL Siu Ho Wan Depot.

5.3.1.7 The locations of the representative ASRs for air quality assessment during the implementation of the project are illustrated in **Figure 5.1**, and are summarised in the table below. ASRs at eastern coast of Tung Chung East Future Development, LLP, MTR Siu Ho Wan Depot etc are considered in the EIA for TMCLKL.

Table 5-3 Representative ASRs for Air Quality Impact Assessment

ASR ID	Description	Area	No. of Storey (approx)	Urban /Rural	Land use <sup>[2]</sup>
A93	Sha Lo Wan House No. 1	Sha Lo Wan <sup>[A]</sup>	1-3	Rural	Res
A94	Sha Lo Wan House No. 5		1-3	Rural	Res
A95	Sha Lo Wan House No. 9		1-3	Rural	Res
A96	Tin Hau Temple at Sha Lo Wan		1-3	Rural	Res
A97	San Shek Wan	San Shek Wan <sup>[A]</sup>	1-3	Rural	Res
A98	Sham Wat House No. 39	Sham Wat <sup>[A]</sup>	1-3	Rural	Res
A99	Sham Wat House No. 30		1-3	Rural	Res
A90	Tin Sum	Tim Sum <sup>[A]</sup>	1-3	Rural	Res
A91	Kau Liu		1-3	Rural	Res
A92	San Tau		1-3	Rural	Res
A59	Ma Wan Chung	Ma Wan Chung <sup>[A]</sup>	1-3	Rural	Res
A41	One Citygate	Existing Tung Chung	5	Urban	Res
A42	One Citygate Bridge	Town (South of NLH)	10	Urban	Res
A43	Fu Tung Shopping Centre		4	Urban	Com
A44	Tung Chung Health Centre		3	Urban	GIC
A45	Ching Chung Hau Po Woon Primary School		7	Urban	GIC
A46	Po On Commercial Association Wan Ho Kan Primary School		7	Urban	GIC
A47	Po Leung Kuk Mrs. Ma Kam Min Cheung Fook Sien College		7	Urban	GIC
A48	Wong Cho Bau Secondary School		7	Urban	GIC
A49	Tung Chung Wan Telephone Exchange		5	Urban	GIC
A50	Yu Tung Court - Hei Tung House		33	Urban	Res
A51	Yu Tung Court - Hor Tung House		36	Urban	Res
A52	Fu Tung Estate - Tung Ma House		30	Urban	Res
A53	Fu Tung Estate - Tung Shing House		30	Urban	Res
A54	Tung Chung Crescent Block 1		28	Urban	Res
A55	Tung Chung Crescent Block 3		30	Urban	Res
A56	Tung Chung Crescent Block 5		33	Urban	Res
A57	Tung Chung Crescent Block 7		39	Urban	Res
A58	Tung Chung Crescent Block 9		43	Urban	Res
A60	Yat Tung Estate - Shun Yat House		35	Urban	Res
A51	Yu Tung Court - Hor Tung House		36	Urban	Res
A61	Yat Tung Estate - Mei Yat House		35	Urban	Res
A62	Yat Tung Estate - Hong Yat House		35	Urban	Res
A63	Yat Tung Estate - Ping Yat House		35	Urban	Res

ASR ID	Description	Area	No. of Storey (approx)	Urban /Rural	Land use [2]
A64	Yat Tung Estate - Fuk Yat House		35	Urban	Res
A65	Yat Tung Estate - Ying Yat House		35	Urban	Res
A66	Yat Tung Estate - Sui Yat House		35	Urban	Res
P3	Planned Park near One Citygate		1	Urban	OS
A1	Caribbean Coast Block 1 – Facing NLH	Existing Tung Chung	47	Urban	Res
A2	Caribbean Coast Block 1 – Facing BCF	Town (North of NLH)	47	Urban	Res
A3	Caribbean Coast Block 5 – Facing NLH	י יין	49	Urban	Res
A4	Caribbean Coast Block 5 – Facing BCF		49	Urban	Res
A5	Caribbean Coast Block 6 – Facing NLH		51	Urban	Res
A6	Caribbean Coast Block 6 – Facing BCF		51	Urban	Res
A7	Caribbean Coast Block 9 – Facing NLH		52	Urban	Res
A8	Caribbean Coast Block 9 – Facing BCF		52	Urban	Res
A9	Caribbean Coast Block 11 – Facing NLH		52	Urban	Res
A10	Caribbean Coast Block 11 – Facing BCF		52	Urban	Res
A11	Caribbean Coast Block 16 – Facing NLH		51	Urban	Res
A12	Caribbean Coast Block 16 – Facing BCF		51	Urban	Res
A13	Caribbean Coast (Phase 5)		3	Urban	Res
A14	Caribbean Coast (Phase 5)		3	Urban	Res
A15	Ho Yu College		7	Urban	GIC
A16	Ho Yu Primary School		7	Urban	GIC
A17	Coastal Skyline Block 1 – Facing NLH		50	Urban	Res
A18	Coastal Skyline Block 1 – Facing HKLR		50	Urban	Res
A19	Coastal Skyline Block 5 – Facing NLH		50	Urban	Res
A20	Coastal Skyline Block 5 – Facing HKLR		50	Urban	Res
A21	La Rossa B – Facing NLH		56	Urban	Res
A22	La Rossa B – Facing HKLR		56	Urban	Res
A23	LeBleu No.1		1-3	Urban	Res
A24	LeBleu No.31		1-3	Urban	Res
A25	LeBleu No.99		1-3	Urban	Res
A26	LeBleu No.2		1-3	Urban	Res
A27	LeBleu No.22		1-3	Urban	Res
A28	LeBleu No.88		1-3	Urban	Res
A29	LeBleu Deux		1-3	Urban	Res
A30	LeBleu Deux		1-3	Urban	Res
A31	LeBleu Deux	1	1-3	Urban	Res
A32	LeBleu Deux		1-3	Urban	Res
A33	Seaview Crescent Block 5 – Facing NLH		50	Urban	Res
A34	Seaview Crescent Block 5 – Facing HKLR		50	Urban	Res
A35	Seaview Crescent Block 3 – Facing NLH		49	Urban	Res
A36	Seaview Crescent Block 3 – Facing HKLR		49	Urban	Res
A37	Seaview Crescent Block 1 – Facing NLH		49	Urban	Res
A38	Seaview Crescent Block 1 – Facing HKLR		49	Urban	Res

ASR ID	Description	Area	No. of Storey (approx)	Urban /Rural	Land use [2]
A39	Ling Liang Church E Wun Secondary School		7	Urban	GIC
A40	Ling Liang Church Sau Tak Primary School		7	Urban	GIC
A101	Novotel Citygate Hong Kong		30	Urban	Com
P4	Planned Community Hall and Library	[B]	5	Urban	GIC
P5	Planned District Open Space	[B]	1	Urban	OS
P6	Planned District Open Space	[B]	1	Urban	OS
A100	Man Tung Road Park		1	Urban	OS
A67	Aviation Security Company Limited	Airport Island <sup>[A]</sup>	10	Rural	Com
A68	Tradeport Logistics Centre		10	Rural	Com
A69	Tradeport Logistics Centre		10	Rural	Com
A70	Cathay Pacific City		10	Rural	Com
A71	Cathay Pacific City		10	Rural	Com
A72	Chek Lap Kok Fire Station		3	Rural	Com
A73	LSG Sky Chefs		10	Rural	Com
A74	LSG Sky Chefs		10	Rural	Com
A75	Cathay Pacific Catering Services		10	Rural	Com
A76	Cathay Pacific Catering Services		10	Rural	Com
A77	Airport Police Station		3	Rural	Com
A78	Gate Gourmet Catering Building		10	Rural	Com
A79	CNAC Tower		10	Rural	Com
A80	Dragonair Tower		10	Rural	Com
A81	Regal Airport Hotel		30	Rural	Com
A82	SkyCity Nine Eagles Golf Course		1	Rural	OS
A83	SkyCity Nine Eagles Golf Course		1	Rural	OS
A84	SkyCity Nine Eagles Golf Course		1	Rural	OS
A85	Hong Kong SkyCity Marriott Hotel		30	Rural	Com
A86	Hong Kong SkyCity Marriott Hotel		30	Rural	Com
A87	AsiaWorld-Expo		5	Rural	Com
A88	AsiaWorld-Expo		5	Rural	Com
A89	Government Flying Services Headquarters		10	Rural	GIC
A102	Terminal 2 Sky Plaza		5	Rural	GIC
A103	SkyCity Nine Eagles Golf Course		1	Rural	OS
A104	SkyCity Nine Eagles Golf Course		1	Rural	OS
A105	Hong Kong Business Aviation Centre		10	Rural	Com
A106	DHL Central Asia Hub	1	10	Rural	Com
P1	Tung Chung East Development	Planned ASRs[B]	-	Urban	Res
P2	Tung Chung East Development	1	-	Urban	Res
P7	Tung Chung West Development	1	-	Urban	Res
P8	Tung Chung West Development	1	-	Urban	Res
P9	Tung Chung West Development	1	-	Urban	Res
P10	Tung Chung West Development	1	-	Urban	Res
P11	Tung Chung West Development	1	-	Urban	Res

ASR ID	Description	Area	No. of Storey (approx)	Urban /Rural	Land use [2]
P12	Future CAD Headquarters ((Road side)		10	Urban	GIC
P13	Future CAD Headquarters (5m setback)		10	Urban	GIC

#### Notes:

- [A] For both construction and operation phase assessment.
- [B] For operation phase assessment only.
- [1] Classified into urban and rural categories
- [2] Res residential; Com Commercial; OS Open Space; GIC Government/Institution
- [3] The planning for the future Tung Chung East and West Further Development is still pending
- [4] The ASRs in the eastern coast of Tung Chung East Future Development, Lantau Logistic Park and the MTRCL Siu Ho Wan Depot are assessed in the EIA Report for TMCLKL.

#### 5.3.2 Air Pollution Sources

**5.3.2.1** Both construction and operation of the project would inevitably generate air pollutants with potential impacts on neighbouring sensitive receivers. These air pollutant emission sources include:

•		
<u>Phase</u>	<u>Aiı</u>	Pollution Sources
Construction	•	Fugitive dust from various construction activities, including excavation, stockpiling, barging, infrastructure works etc
	•	Fugitive dust from concrete batching plant (near Siu Ho Wan Sewage Treatment Works) and To Kau Wan (near Toll Plaza of NLH)
	•	Cut-and-cover section of the APM tunnel on the airport island
Operation	•	Vehicular emissions from road traffic, including vehicles on roads, or at the HKBCF facilities (such as kiosks, loading/unloading bays).

5.3.2.2 It should be noted that marine works such as dredging, underwater filling during reclamation, and installation of viaduct decks would not significantly generate fugitive dust.

#### 5.4 Potential Concurrent Projects

5.4.1 As discussed in **Section 1**, the tentative commissioning year of the project is 2015 for HKLR and 2015/2016 (Phase 1/Phase 2) for HKBCF. All concurrent projects, which may have cumulative environmental impacts during its operation period, have been identified and discussed in **Section 1**. The following table summarises the concurrent projects that would have cumulative air quality impacts during the construction and operation phases of the project.

Table 5-4 Key Concurrent Projects for Air Quality Assessment

Phase	Key Concurrent Projects	Remark
Construction	Lantau Logistics Park	Possible concurrent construction with HKLR and HKBCF
	Tuen Mun-Chek Lap Kok Link	Possible concurrent construction with HKLR and HKBCF
Operation	Lantau Logistics Park	Traffic induced has been included
	Possible LLP Extension or other compatible uses	Traffic induced has been included

Phase	Key Concurrent Projects	Remark
	FutureTung Chung East & West Developments	Traffic induced has been included
	Road P1 in North Lantau (for the section from Sham Shui Kok to Sunny bay)	Traffic induced has been included
	Container Terminal 10	Emission from additional marine vessels
	Sunny Bay Tourism Node	Traffic induced has been included
	Theme Park Extension at Penny's Bay	Traffic induced has been included
	Commercial developments on Airport Island	Traffic induced has been included
	MTRCL Siu Ho Wan Depot	Traffic induced has been included
	Castle Peak Power Station	Chimney emission has been included
	Black Point Power Station	Chimney emission has been included
	Lamma Power Station	Chimney emission has been included
	Hong Kong International Airport	Emissions from aircraft and other facilities has been included
	Sludge Treatment Facilities	Emission from incineration and any other related activities
	Tuen Mun-Chek Lap Kok Link	Vehicular emission has been included
	HZMB Main Bridge	Vehicular emission has been included
	Eco Park	Chimney emission has been included
	Green Island Garment	Chimney emission has been included
	STF	Chimney emission has been included

5.4.2 It should be noted that the traffic forecast for HKLR and HKBCF has in fact already taken account of traffic generated by the planned developments as tabulated above. Hence, the vehicular emission model has also covered all the traffic emissions from these planned developments as well.

#### 5.5 Construction Dust Assessment

# 5.5.1 Potential Sources of Dust

- **5.5.1.1** A review has been conducted on the construction methodology (see **Section 4** for details) for various works areas. Construction dust will be potentially generated from the mainly land-based construction works including the following activities:
  - Filling;
  - Soil excavation activities;
  - Backfilling;
  - Surcharge and temporary storage of spoil on site;
  - Construction of portals and cut-&-cover tunnel;
  - Construction of infrastructure and utilities;
  - Loading and unloading of excavated materials / fill materials at barging facility; and
  - Concrete batching plant.

**5.5.1.2** Other marine based construction activities such as seawall construction, dredging, marine bored piling, viaduct deck construction etc would have insignificant fugitive dust generation and hence would not be included in this quantitative assessment. **Figure 5.2a** shows the location of these dust emission sources.

5.5.1.3 According to the latest design information, the Passenger Clearance Building (PCB) on the HKBCF will be commissioned in 2015. Hence, during the period Late 2015 – Late 2016, the passengers and workers at the PCB will be in relatively close proximity to the remaining construction activities for the works in the northern portion of HKBCF as shown on **Figure 1.2**. The construction dust model would include all the concurrent construction activities (see S.5.5.3).

# 5.5.2 Emission Inventory

- **5.5.2.1** Fugitive dust impact assessments will be carried out based on conservative assumptions of general construction activities which include the following:
  - Heavy construction activities including site clearance, ground excavation, construction of the associated facilities, haul road etc;
  - Wind erosion of all open sites, including stockpile and barging area;
  - Loading/unloading from trucks at barging point and stockpiles; and
  - Concrete batching plant.
- 5.5.2.2 The prediction of dust emissions is based on typical values and emission factors from United States Environmental Protection Agency (USEPA) Compilation of Air Pollution Emission Factors (AP-42), 5th Edition. Calculation of dust emission factors is given in **Appendix 5A**. References of the calculations of dust emission factors for different dust generating activities are listed below. For easy reference, the locations of ASRs assessment points and worksites, and the dust emission rates input into the model are presented in **Appendix 5B**.

Table 5-5 References of Dust Emission Factors for Different Activities

Activities	Reference <sup>[1]</sup>	Operating Sites	Equations and Assumptions
Heavy construction activities including land clearance, ground excavation, cut and fill operations, construction of the facilities, haul road, etc	S.13.2.3.3	All construction and excavation sites	E = 1.2 tons/acre/month of activity or = 2.69Mg/hectare/month of activity
Wind Erosion	S.11.9, Table 11.9.4	All construction sites, any stockpile areas, barging area (all open sites)	E = 0.85 Mg/hectare/yr (24 hour emission)
Loading/Unloading at barging points and any stockpile	S13.2.4	Barging point and/or any stockpiles	$E = k(0.0016) \frac{\left(\frac{U}{2.2}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} (kg/megagram)$ k is particle size multiplier U is average wind speed M is material moisture content

[1] (USEPA) Compilation of Air Pollution Emission Factors (AP-42), 5th Edition

**5.5.2.3** Dust emission from construction vehicle movement will generally be limited within the confined worksites area and the equation in AP-42 S.13.2.3.3 has taken this factor into account. Watering facilities will be provided at every designated

vehicular exit point. Since all vehicles will be washed at exit points and vehicle loaded with the dusty materials will be covered entirely by clean impervious sheeting before leaving the construction site, dust nuisance from construction vehicle movement outside the worksites is unlikely to be significant.

- 5.5.2.4 If stockpiling is adopted, it is recommended that vehicles will move to the stockpiling areas where C&D materials will be unloaded immediately. The vehicles will then be washed again before leaving the stockpiles in order to minimise generation of dusty materials. Therefore, the major dust generating activities at stockpiling areas will be originated mainly from wind erosion and loading/unloading of materials; and these will be assumed in the fugitive dust modelling.
- For the calculation of 1-hr and 24-hr TSP concentration, an active operating area 5.5.2.5 of 30% has been assumed at any one time. Dust suppression measures and estimated mitigation efficiencies will be incorporated into the dust emission With reference to Section 11.2.4.4 of AP-42 4th Edition, dust calculations. emissions from construction areas could be reduced by 50% by twice daily watering with complete coverage of active construction areas. Dust generated from vehicle traffic on unpaved site roads (if any) would be reduced by lowering the vehicle travelling speed. The percentage dust reduction will be estimated in accordance with Section 13.2.2.2 of AP-42 5th Edition. For the calculation of annual TSP construction, the active works area over the entire year would be less than for a typical hour and typical day. On this basis, it is considered that a 10% active operating area would be a more representative assumption. The active operating area for 1-hr, 24-hr and annual concentration has been agreed by the Engineer.
- 5.5.2.6 There would also be concrete batching plant at temporary works area at Tai Ho (near Siu Ho Wan Sewage Treatment Works) and To Kau Wan (near Toll Plaza of NLH) (see Figure 5.2b). The total capacity of these 2 concrete batching plants is 3,600m³/day and are located at more than 2 km from the existing ASRs in Tung Chung and Airport Island. In addition, these concrete batching plant are controlled under the Specified Process and hence sufficient mitigation measures would be implemented to control the emission of dust. The Contractor is also required to demonstrate by calculation that the design of his concrete batching plant would not cause unacceptable impacts. A list of the mitigation measures to be implemented by the contractor is given in Section 5.5.7. Hence, the impacts from these concrete batching plants would have insignificants cumulative impacts and not be quantified in this EIA.
- **5.5.2.7** There will be a maximum of 2 barges operating at the barging point to the south of Scenic Hill at any one time. Good site practices including the following would be implemented.
  - a. All road surface within the barging facilities will be paved.
  - b. Dust enclosures will be provided for the loading ramp.
  - c. Vehicles will be required to pass through designated wheels wash facilities.
  - d. Continuous water spray at the loading points.
- **5.5.2.8** These good site practices would be able to reduce the generation of dust at barging point by at least 90%.

# 5.5.3 Assessment Methodology

5.5.3.1 Dust impact assessment will be undertaken using the Fugitive Dust Model (FDM) as approved by USEPA and EPD. It is a well-known Gaussian Plume model designed for computing air dispersion model for fugitive dust sources. Modelling parameters including dust emission factors, particles size distributions, surface roughness, etc are referred to in EPD's "Guideline on choice of models and model parameters" and USEPA's AP-42. The density of dust will be assumed to be 2.5g/m³. The 5-year mean of the annual averaged TSP concentration will be

- taken as the background concentration. According to EPD's monitoring data for Tung Chung Station, the 5-year average 1-hr TSP concentration is 71ug/m³ and this would be taken as the background concentration for fugitive dust modelling.
- **5.5.3.2** During daytime working hours (7am to 7pm), it is assumed that dust emissions would be generated from all dust generating activities and site erosion. Subject to the need of construction work at night-time and on weekend/holiday, it is assumed that dust emissions would only be generated from site erosion during night-time non-working hours (7pm to 7am of the next day).
- 5.5.3.3 The worst-case 1-hour, worst-case 24-hour average and annual TSP concentrations will be calculated based on real meteorological data (for Year 2007) on wind direction, wind speed, temperature and stability collected from the nearest weather station, the Chek Lap Kok Airport meteorological station.
- **5.5.3.4** Fugitive dust modelling will be conducted at heights 1.5m above local ground level. Since all the dust generating sources are at ground level, this assessment height would represent the worst-case scenario. Both the unmitigated and mitigated scenarios for the project will be presented. The following parameters had been adopted in the FDM model.

Table 5-6 Summary of Particles Size Distribution

Activities	Average value of particle size range[1]				
	1.25um	3.75um	7.5um	12.5um	22.5um
Heavy construction activities including filling, land clearing, ground excavation, cut and fill operations, construction of the facilities	7.2%	19.9%	20.3%	17.6%	35.1%
Wind Erosion					
Loading / unloading at barging points and surcharge / stockpile					

# [1] S13.2.4.3 of USEPA AP-42

5.5.3.5 The concurrent construction of TMCLKL, HKBCF, LLP, etc have been included in the cumulative assessment. It should be noted that the marine viaduct section of HKLR and TMCLKL would mainly be viaduct structure and there would not be any major excavation. Similarly, the slope cutting and realignment of Cheung Tung Road under TMCLKL project are relatively small scale and more than 2 km from the existing ASRs in Tung Chung. Hence, it is anticipated that the cumulative dust impacts caused by the slope work, road realignment of Cheung Tung Road, and marine viaduct section of HKLR and TMCLKL would not be significant.

#### 5.5.4 Assessment Results - "Unmitigated" Scenario

- **5.5.4.1** The maximum predicted 1-hour, 24-hour and annual TSP levels for construction of and other concurrent projects are summarised in **Table 5-7**.
- 5.5.4.2 The maximum predicted TSP hourly concentration is 2,443μg/m³ at the planned CAD Headquarters. These predicted concentrations have exceeded the 1-hr TSP criterion. The 24-hr concentration and the annual concentration for some ASRs also exceed the respective criteria.

Table 5-7 Maximum Predicted TSP concentrations under the "Unmitigated" scenario

		Concentration Unmitigated Scenario, ug/m³			
ASR	Description	1-hr [1]	24-hr [2]	Annual average [3]	
A87	AsiaWorld-Expo	2,218	235	85	
A85	Hong Kong SkyCity Marriott Hotel	2,257	230	87	
A82	SkyCity Nine Eagles Golf Course	2,018	233	92	
A102	Terminal 2 Sky Plaza	2,066	371	99	
P12	Planned CAD Headquarters Site (Roadside)	2,443	455	110	
A79	CNAC Tower	1,704	253	93	
A71	Cathay Pacific City	1,741	260	82	
A67	Aviation Security Company Limited	918	145	76	
A2	Caribbean Coast Block 1 - BCF Facade	901	182	75	
A30	LeBleu Deux	815	136	75	
A59	Ma Wan Chung	574	112	74	

#### Notes

- [1] An hourly averaged TSP concentration of 500µg/m³ should not be exceeded
- [2] A 24-hour averaged TSP concentration of 260µg/m³ should not be exceeded
- [3] An annual averaged TSP concentration of 80µg/m<sup>3</sup> should not be exceeded
- [4] Bold figures indicate the predicted TSP levels has exceeded EPD's standards

# 5.5.5 Assessment Results - "Mitigated" Scenario

- 5.5.5.1 The unmitigated TSP concentrations in **Table 5-7** above are high at some ASRs. However, under a good site practice with regular watering, dust suppression could be achieved. In accordance with USEPA AP-42, watering twice a day could generally reduce dust emission by half and hence the dust concentration by 50%. Hence, on the same basis, watering 4 times a day would achieve a dust removal efficiency of 75% (ie 100% 100%/4). Similarly, watering 8 times a day would achieve a dust removal efficiency of 87.5% (ie 100% 100%/8). In addition, using aggregates to pave the haul roads would also help to mitigate the dust generation. Assessment results indicate that the following watering measures is required to control the fugitive dust impacts:
  - 8 times / day along within all work sites (an dust removal efficiency of 87.5%).
- **5.5.5.2** With the above watering throughout the construction phase, the 1-hour, 24-hour and annual TSP levels are predicted as shown in the table below. Details of the assessment results are given in **Appendix 5B** and the contours are given in **Figure 5.3**..

Table 5-8 Maximum Predicted TSP concentrations under the "Mitigated" scenario

		Concentration		
		Mitigat	ted Scenario,	<u>, ug/m³</u>
ASR	Description	1-hr [1]	24-hr <sup>[2]</sup>	Annual average [3]
A87	AsiaWorld-Expo	339	93	73
A85	Hong Kong SkyCity Marriott Hotel	344	92	73
A82	SkyCity Nine Eagles Golf Course	314	95	74
A102	Terminal 2 Sky Plaza	320	111	75
P12	Planned CAD Headquarters Site (Roadside)	367	122	76
A79	CNAC Tower	275	95	74
A71	Cathay Pacific City	280	96	73
A67	Aviation Security Company Limited	177	81	72
A2	Caribbean Coast Block 1 - BCF Facade	175	85	72
A30	LeBleu Deux	164	79	72
A59	Ma Wan Chung	134	77	71

Notes

- [1] An hourly averaged TSP concentration of 500µg/m<sup>3</sup> should not be exceeded
- [2] A 24-hour averaged TSP concentration of 260µg/m³ should not be exceeded
- [3] An annual averaged TSP concentration of 80µg/m³ should not be exceeded
- [4] Bold figures indicate the predicted TSP levels has exceeded EPD's standards
- 5.5.5.3 It should be noted that there would still be some minor construction works being conducted at the north of the HKBCF when the PCB is occupied in late 2015 and late 2016. Given that the minor construction work such as roadwork/structure/paving and the fact that the PCB would be air-conditioned, the filters of the air-conditioning system will serve to reduce construction dust to the remaining construction work. Hence, there would be insignificant fugitive dust impacts on the PCB.
- 5.5.5.4 Results indicate that by increasing frequency of watering as described above, the predicted cumulative 1-hour, 24-hour and annual TSP levels at all ASRs will comply with the TM-EIA and HKAQO. Hence, there would be no adverse cumulative dust impact caused. Pollution contours are presented in Figure 5.3. There will not be any air sensitive landuses exposed to impacts higher than the criterion. (For 1-hr TSP contours, it can been seen that the 500μg/m³ contour could encroach onto the existing CLP power substation and the electrical Switching Station which are not frequently manned and hence are not considered as sensitive to air quality. Part of the existing Marine Cargo Terminal berth would also be within the 500μg/m³ contour. However, the berth would stop operation once the construction work in the vicinity commences. Hence it is also not considered as sensitive to air quality.)
- 5.5.5.5 The construction dust impacts on ASR at LLP, MTR Siu Ho Wan Depot etc are assessed in the EIA for TMCLKL and have been confirmed to be comply with the legislative requirements and hence there is no residual construction dust impacts.

## 5.5.6 Recommended Mitigation Measures for Fugitive Dust

- 5.5.6.1 The Contractor is obliged to follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation. It stipulates the construction dust control requirements for both Notifiable (e.g. site formation) and Regulatory (e.g. road opening) Works to be carried out by the Contractor.
- 5.5.6.2 In accordance with the Air Pollution Control (Construction Dust) Regulation, the following dust suppression measures should also be incorporated by the Contractor to control the dust nuisance throughout the construction phase:
  - Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;
  - Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;
  - A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones;
  - The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;
  - Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;

 When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period;

- The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;
- Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;
- Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet:
- Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;
- Any skip hoist for material transport should be totally enclosed by impervious sheeting;
- Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;
- Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;
- Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and
- Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.
- **5.5.6.3** For the barging facilities to the south of Scenic Hill, the following good site practice is required.
  - a. All road surface within the barging facilities will be paved.
  - b. Dust enclosures will be provided for the loading ramp.
  - c. Vehicles will be required to pass through designated wheel wash facilities.
  - d. Continuous water spray at the loading point.
- **5.5.6.4** By implementing these control measures and with good construction site practice, it is anticipated that dust impacts will be insignificant. It is recommended that the Contractor should undertake proper watering on all exposed spoil (with at least 8 times per day) throughout the construction phase.
- 5.5.6.5 These requirements should be incorporated into the Contract Specification for the civil work. In addition, an audit and monitoring programme during the construction phase should be implemented by the Contractor to ensure that the construction dust impacts are controlled to within the HKAQO. Detailed requirements for the audit and monitoring programme are given separately in the EM&A manual.

#### 5.5.7 Recommended Mitigation Measures for Concrete Batching Plant

5.5.7.1 It should also be noted that in accordance with EPD's Best Practicable Means Requirements for Cement Works (Concrete Batching Plant), the following mitigation measures should be adopted to prevent fugitive dust emissions for concrete batching plant:

- Loading, unloading, handling, transfer or storage of any dusty materials should be carried out in totally enclosed system;
- All dust-laden air or waste gas generated by the process operations should be properly extracted and vented to fabric filtering system to meet the emission limits for TSP;
- Vents for all silos and cement/pulverised fuel ash (PFA) weighing scale should be fitted with fabric filtering system;
- The materials which may generate airborne dusty emissions should be wetted by water spray system;
- All receiving hoppers should be enclosed on three sides up to 3m above unloading point;
- All conveyor transfer points should be totally enclosed;
- All access and route roads within the premises should be paved and wetted;
   and
- Vehicle cleaning facilities should be provided and used by all concrete trucks before leaving the premises to wash off any dust on the wheels and/or body.

#### 5.5.8 Residual Impacts for Fugitive Dust

**5.5.8.1** No residual dust impacts are expected with the adoption of appropriate dust mitigation measures, which will be implemented during the construction phase.

# 5.6 Operational Air Quality Assessment

# 5.6.1 Assessment Approach

- 5.6.1.1 Taking account of the air pollution control measures recommended in the Pearl River Delta Regional Air Quality Management Plan, which has been jointly drawn up by the governments of HKSAR and Guangdong in 2003 (see **Section 5.6.3**), the assessment for cumulative operational air quality has adopted the following approach:
  - A regional model viz. Pollutants in the Atmosphere and the Transport over Hong Kong (PATH, a regional air quality prediction model developed by EPD) is used to quantify the impacts from various sources including those in Pearl River Delta Economic Zone (PRDEZ), the Hong Kong International Airport, power plants in HKSAR and roads beyond North Lantau etc.
  - A near-field dispersion model is used i.e. CALINE4 for line sources to quantify the air quality impacts at local scale from open road emission and idling emission at HKBCF. Another near-field model ISCST3 is used to assess point and volume sources to quantify the air quality impacts at local scale from portals and ventilation buildings.
- 5.6.1.2 Appendix 5C illustrates the extent of the roads within the study area (i.e. in North Lantau) that would be included in near-field model. As discussed in Section
   5.6.1.1, the pollutant dispersion from these roads has been predicted using CALINE4. Another model EmFAC-HK has been adopted to calculate the total vehicular tailpipe emission from roads within North Lantau.

#### 5.6.2 Determination of Assessment Year

5.6.2.1 In accordance with the EIA Study Brief, the assessment year for air pollution impacts shall be calculated based on the highest emission strength from the project within the next 15 years upon commencement. The selected assessment year should therefore represent the highest emission scenario for HKLR and other proposed roads under HKBCF.

- 5.6.2.2 Given the operation nature of the project,  $NO_2$  is the pollutant of primary concern. The worst assessment year has therefore been determined based on the highest total  $NO_x$  emission scenario using the EmFAC–HK. The approach for EmFAC-HK modelling is presented in **Section 5.6.10**.
- 5.6.2.3 Traffic forecast for 2015, 2016, 2021 and 2031 have been conducted, which has been submitted to TD and without any adverse comments. Sensitivity tests have therefore been undertaken to examine the worst case scenario for the following selected years:
  - Year 2015 HKLR commissioning year and HKBCF Phase 1 commissioning year;
  - Year 2016 HKBCF Phase 2 commissioning year;
  - Year 2021 Intermediate year between 2016 and 2031; and
  - Year 2031 15 years after HKBCF Phase 2 commissioning.
- **5.6.2.4** Results for the above 4 scenarios are compared in the following table. It can therefore be concluded that the highest emission scenario is Year 2031.

Table 5-9 Sensitivity Test for Determination of Assessment Year

Table 6 7 Constituting Took for Betermine	Table 6.7 Constituting Took for Bottomination of Accossiment Tour							
	Year for Sensitivity Tests (Figures below are NOx emissions							
	in terms of Tonne / day)							
Emission Category 2015 <sup>[1]</sup> 2016 2021								
HKLR	0.2660	0.2812	0.3329	0.5237				
HKBCF and Associated Roads								
Cross-boundary	0.1060	0.1145	0.1307	0.1978				
Local traffic	0.0528	0.0893	0.0853	0.0929				
Idling Emission on HKBCF	0.0218	0.0211	0.0317	0.0572				
Total	0.4466	0.5061	0.5806	0.8716				

<sup>[1]</sup> The original sensitivity test was conducted for 2014. Subsequent to the sensitivity test, the HKLR commissioning year and the HKBCF Phase 1 commissioning year has been changed to 2015. Given the slight change from 2014 to 2015 and the fact that the emission factors for 2015 are slightly less than that for 2014, it is more conservative to use the emission for 2014. It is therefore considered that it would not change the assessment year as 2031.

# 5.6.3 Emissions within Pearl River Delta Economic Zone (PRDEZ)

- 5.6.3.1 The Study of Air Quality in the Pearl River Delta Region conducted in Year 2000 had recommended various mitigation strategies to control and improve the regional air quality problems. In December 2003, the governments of HKSAR and Guangdong jointly drew up the Pearl River Delta Regional Air Quality Management Plan, with a view to meeting the emission reduction targets recommended in the Study of Air Quality in the Pearl River Delta Region. The Pearl River Delta Air Quality Management and Monitoring Special Panel has also been set up under the Hong Kong/Guangdong Joint Working Group on Sustainable Development and Environmental Protection to follow-up on the tasks under the Management Plan.
- 5.6.3.2 A Mid-term Review Study on Pearl River Delta Regional Air Quality Management Plan was commissioned by EPD (of HKSAR Government) and the Guangdong Environmental Protection Bureau (GPEPB) in Nov 2006 to update the regional pollutant emission for 2003 and 2010 Control Scenario, as well as to review the

effect of control measures committed by the governments. The updated data from this Mid-term Review Study forms the basis for projection of PRDEZ emission in this EIA.

- 5.6.3.3 In addition, the Guangdong Province government also prepared the 珠江三角洲環境保護規劃 in Jun 2006 which also outlined the plan to control and reduce their emission up to 2020. With such measures, the resulted 2020 PRDEZ emission data are significantly lower than the 2010 PRDEZ emission data from the Mid-term Review Study.
- 5.6.3.4 Given the best available emission inventory for 2010 from the Mid-Term Review and the 2020 inventory compiled from 珠江三角洲環境保護規劃, it is considered that a prudent approach would be to interpolate from these 2 sets of inventory to generate the 2015 inventory and to assume that the regional emission would then be capped within the assessment period of this project ie up to 2031. (Note: In accordance with the 珠江三角洲環境保護規劃, with the measures therein, the PRDEZ emission will in fact continue to reduce all the way to 2020. However, for a conservative assessment, it is assumed that the PRDEZ emission is capped at 2015 level as far as this EIA is concerned.) A summary of the 2031 PRDEZ emission inventory is given in Appendix 5D.

# 5.6.4 Emissions from Hong Kong International Airport

- **5.6.4.1** A review of the operation activities on the Chek Lap Kok Airport reveals that there are 6 key groups of emission sources, including
  - Aircraft movements;
  - Ground Support Equipment (GSE);
  - Auxiliary Power Units (APUs);
  - Engine Run-Up Facility;
  - Fuel Tanks; and
  - Aircraft Maintenance.
- 5.6.4.2 The respective stakeholders for the above-mentioned sources have been consulted to obtain relevant latest operation information. The key assumptions adopted to compile the emission inventory are described in the paragraphs below. The operation information provided by the airport operator (i.e. the Airport Authority) is summarised in **Appendix 5E**.

# **Aircraft Movements**

- 5.6.4.3 Aircraft movements could be considered as comprising 4 main operation modes, viz. take-off, climb-out, final approach and idling/taxi-ing. Each mode would have different Emission Index (EI), fuel consumption rates and duration. The pollutant emissions from these modes would be a product of the EI, fuel consumption rates and the duration.
- The latest operation information for aircraft movements including Landing-Takeoff Cycle (LTO), aircraft mix and the duration of idling/taxi-ing for 2020 (year when the airport would reach its capacity) had been collected from the airport operator (i.e. the Airport Authority).
- 5.6.4.5 Since there is no information on the EIs, fuel consumption rates and the duration for different types of aircrafts (except the taxi-ing and idling time), reference is made to international reference such as USEPA's "Evaluation of Air Pollutant Emissions from Subsonic Commercial Jet Aircraft", FAA's "Emission and Dispersion Modelling System" and the ICAO Engine database.
- 5.6.4.6 The airport operator has also advised that the airport would reach its full operation capacity (in terms of passenger and cargo handling) by Year 2020, which is 20 years earlier than the assumed year of reaching capacity adopted in

the New Airport Master Plan 1991 (NAMP 1991). It is therefore assumed that the pollutant emission after Year 2020 would remain the same as that predicted for Year 2020. The updated emission inventory is given in **Appendix 5D**.

#### **Ground Support Equipment**

- 5.6.4.7 Other than the emissions from aircrafts, the GSE (mostly diesel-driven) would also generate air pollutants. According to the information available, GSE include tractors, belt loaders, catering trucks etc. Information/data as regards typical load factors and operation duration for the GSE have been obtained from the airport operator.
- **5.6.4.8** The emission factors for GSE have been extracted from the FAA's and EDMS's emission database. **Appendix 5D** presents the predicted GSE emission for Year 2020 and it is assumed that the emission would be capped from 2020 onwards.
- 5.6.4.9 It is assumed that all the GSE would be manoeuvring within the apron area. Hence the emission from GSE would be modelled as an area source covering the entire apron area. The temporal profile for GSE emissions is assumed to be the same as that for aircraft emissions.

#### **Auxiliary Power Units**

- **5.6.4.10** Auxiliary power units (APUs) would also generate air pollutants. Information/data as regards typical load factors and operation duration for APUs have been obtained from the airport operator too. Reference has been made to the EDMS database for APUs for different types of aircrafts for Year 2020 (assumed to be capped to Year 2031; see **Appendix 5D**).
- 5.6.4.11 It is assumed that all the APUs would be manoeuvring within the apron area. Hence the emission from APUs would be modelled as an area source covering the entire apron area and at an elevated level to take account of thermal plume rise. The temporal profile for APU emissions is assumed to be the same as that for aircraft emissions.

# **Engine Run-Up Facility**

- 5.6.4.12 The existing engine run-up facility is located in the western part of the airport island. Operation information is however not available. In order to conduct a more conservative assessment, it is assumed that all the aircrafts tested would be 747-400, and each test would consist of 5 LTO cycles. In addition, it is further assumed that there would be 3 times of testing each week. A summary of the predicted emission is given in Appendix 5D.
- **5.6.4.13** The facility would be modelled as an area source. And it is assumed that the temporal profile would be constant throughout the year.

#### Fuel Tanks

- **5.6.4.14** The existing fuel tank farm is located to the southeast corner of the Airport Island near the Scenic Hill, with a total of 9 fuel tanks. Three new tanks are being installed to the west of the existing fuel tank farm. All the tanks have fixed roofs and are freely vented.
- 5.6.4.15 Emissions from the total 12 no. fuel tanks have been estimated using the Emissions and Dispersion Modeling System (EDMS). The results indicate that the annual VOC emission from all fuel tanks would be 8 tonne for Year 2031 (see Appendix 5D). The fuel tank farms have been modelled as point sources. It is assumed that the temporal profile would be constant throughout the year.

# **Aircraft Maintenance**

**5.6.4.16** It is understood that the main sources of VOC from aircraft maintenance are the paint shops and the aircraft hangers. However, air extraction systems have been

installed to extract the VOC to water scrubbers before discharging to the atmosphere. It is therefore anticipated that the VOC emission through the scrubbers should be insignificant. Hence the PATH model has not included any emissions from the aircraft maintenance facility.

#### 5.6.5 Emissions from Power Stations within HKSAR

5.6.5.1 In accordance with the information from the power stations in HKSAR, about 28% of the electricity is currently generated from natural gas. It is also noted from their publication (eg annual reports) that they have plans to increase the utilisation of natural gas to 50% by early next decade. It is therefore considered reasonable to assume that, by the time of 2015, the utilisation rate of natural gas within HKSAR should have reached 50%. It is also assumed that after Year 2015, the emission would be capped at the same level as 2015. This should be an assumption on the prudent side, as the trend of increase in utilisation of natural gas ought not reverse after Year 2015. An estimate of the emission with a natural gas utilisation rate of 50% is given in Appendix 5D.

#### 5.6.6 Industrial Sources within HKSAR

- 5.6.6.1 The emissions from other industrial sources have also been considered. Estimation has been made by projecting from the emission level for 2010 in the Mid-Term Review to the emission level for 2015. A summary of the industrial emission sources within HKSAR for 2031 is given in **Appendix 5D**.
- 5.6.6.2 Other specific emission sources have been updated based on their respective best available information. A summary of the specific industrial emission sources within HKSAR for 2031 is given in **Appendix 5D**. The assumptions for updating these specific industrial emission sources are given below:

# Emission GroupEcopark<li

Integrated Waste Management

Waste Management

According to the project proponent, there is no information as regards its implementation; hence it is not included in the emission inventory in this EIA.

**Organic Waste Facilities** 

**Facilities** 

Ditto.

Sludge Treatment Facility

 Based on their approved EIA Report (ref: EIA-155/2008)

**Green Island Cement Facilities** 

Based on their Specified Process Licence.

#### 5.6.7 Marine Emission within HKSAR

5.6.7.1 In the original PATH model developed by EPD, the marine emission sources in Hong Kong were apportioned into 2 counties including:

Hong Kong Harbour

Marine emissions from vessels within the Victoria Harbour

**HK Waters** 

- Marine emissions from vessels from area beyond the Victoria Harbour
- 5.6.7.2 Marine emission inventory for the Control Scenario of Year 2010 in the Mid-term Review Study will be adopted as the basis for emission projection. The emission from marine vessels are apportioned into different categories including supporting ships, international ferry, river trade, ocean going vessels, anchorage and other ships based on the emission breakdown of the above-mentioned 2010 Control Scenario.
- **5.6.7.3** For emission projection, reference has been made to the Study on Hong Kong Port Master Plan 2020 Final Strategic Environmental Assessment Part 2

(Port 2020 Study). Accordingly, the growth factors tabulated below have been adopted.

Table 5-10 Growth Factor for Marine Vessels from 1997 to 2020

		% Increase from Yr 1997			
Emission Source		Ocean Going Ships	Ferries	River Trades	Tug & Tow
Hong Kong harbour	1997 – 2020 (as in Port 2020 Study)	99	0	145	-62
	Equiv annual growth rate (assuming linear growth)	3.04	0.00	3.97	-4.12
Hong Kong waters	1997 – 2020 (as in Port 2020 Study)	162	0	145	-62
	Equiv annual growth rate (assuming linear growth)	4.28	0.00	3.97	-4.12
Container Terminal CT 1-9	1997 – 2020 (as in Port 2020 Study)	113.00	* TEU trend		
	Equiv annual growth rate (assuming linear growth)	3.34			
Container Terminal CT 10	1997 – 2020 (as in Port 2020 Study)	182.00	* TEU trend		
	Equiv annual growth rate (assuming linear growth)	4.61			_

#### Note:

- (1) Data (with CT10 at Tsing Yi) are extracted from Study on Hong Kong Port Master Plan 2020 Final Strategic Environmental Assessment Part 2 (Port 2020 Study)
  - 5.6.7.4 The emission for the assessment year 2031 can then be determined based on the 2010 emission and the equivalent annual growth factors; the result is presented in **Appendix 5D**.

#### 5.6.8 Vehicular Emissions within HKSAR beyond those on Lantau

- **5.6.8.1** For roads beyond Lantau, the emissions are predicted using EPD's EmFAC-HK model which takes into account the exhaust technology, number of trips, different vehicle classes, different speed fraction etc of the entire Hong Kong region. The vehicle-kilometer-travelled (VKT) were forecast by Arup's in-house Territory Transport Model (accepted by Transport Department).
- 5.6.8.2 Whereas detailed assessment on the traffic for roads in Lantau/Airport has been conducted under the traffic impact assessments for HKLR and HKBCF, the traffic for roads beyond Lantau can only make reference to territory-wide traffic forecast. For these ready beyond Lantau, the territory wide traffic forecast is only available for Year 2030, though all the major planned highway infrastructure projects have been included. It is also considered that the territory wide traffic for 2031 would be very similar to that of 2030. Moreover, any impacts due to these "beyond-Lantau roads" on the sensitive receivers relevant to the EIAs of HKLR & HKBCF ought to be relatively minor. Hence the 2030 territory-wide traffic figures are considered to be acceptable to assess the impacts due to these "beyond-Lantau roads". A summary of the projected 2030 (equivalent to 2031) vehicular emission from HK roads other than those on Lantau is given in Appendix 5D.

#### 5.6.9 Other Emission Sources

5.6.9.1 The emissions from other emission sources (eg Non-Road mobile sources, VOC containing sources etc) have also been considered by projecting from the emission level for 2010 in the Mid-Term Review to the emission level for 2015. A summary of the other emission sources within HKSAR for 2031 is given in Appendix 5D.

#### 5.6.10 Road Emission within Lantau and Airport Island

5.6.10.1 For road emissions within Lantau/Airport for Year 2031, EmFAC-HK was used to calculate the vehicular tailpipe emission instead of using the traditional fleet average emission factors. EmFAC-HK (ref http://www.epd.gov.hk /epd /english /environmentinhk /air /guide\_ref /emfac.html) is a more versatile model giving more refined estimates, and is appropriate for the current study from an air quality assessment point of view. It can readily calculate the vehicular emissions for different projected scenarios for different future years, while the traditional fleet average emission factors commonly used in other projects can only provide emission factors up to Year 2011 and cannot take into account the implementation of fuel with better quality.

- 5.6.10.2 In accordance with the current legislation, cross-boundary vehicles must go through the vehicle-registration process in Hong Kong. In addition, all motor vehicles seeking first registration in Hong Kong must comply with the requirements of the Air Pollution Control (Vehicle Design Standards) (Emission) Regulations. Since there is no program on policy review, it is assumed that the first registration policy is still applicable for this assessment. This implies that cross-boundary vehicles (mainly on the HKLR and the HKBCF) will perform as Hong Kong vehicles of similar types as far as tailpipe emission is concerned.
- 5.6.10.3 According to the latest implementation programme of the emission standards for diesel vehicles, the following emission standards should be adopted for calculation of emissions from diesel vehicles registered in Hong Kong irrespective of whether they need to travel to/from Macao and Mainland China:

(i) Diesel vehicles < 3.5 tonnes: Euro IV by 2007

(ii) Diesel vehicles > 3.5 tonnes: Euro IV by 2007, Euro V by 2010

- 5.6.10.4 A recently published diesel fuel analysis result by the Macao Authority shows that their fuel quality is very close to the current fuel in Hong Kong (http://www.ambiente.gov.mo/tchinese/08/2005/05.asp). In addition, Mainland China Authorities announced to implement Euro IV and V standards (for diesel fuel) by 2010 and 2012 respectively (http://sysadm.blog.51cto.com/180447/30805 and http://www.chinarhy.com/chinarhy/2008/200810/2008-10-22/2563.html). The fuel properties will also be in line with the implementation of these standards. Therefore the maximum sulphur content will be 0.005% and 0.001% by 2010 and 2012 respectively.
- **5.6.10.5** In consideration of the above, it should be reasonable to assume that cross-boundary vehicles will perform similarly to Hong Kong vehicles in terms of pollutant emission. All vehicles have therefore been considered as Hong Kong vehicles in this assessment.
- 5.6.10.6 Other developments in the Concept Plan of Lantau, such as Tung Chung East Development, Tung Chung West Development, Lantau Logistics Park, tourism node at Sunny Bay, etc. have already been taken into account in developing the traffic data. The traffic profile is determined from the existing Annual Traffic Census (ATC) data, supplemented by the results of traffic survey.
- 5.6.10.7 The air quality assessment under this EIA has also taken into account other factors including the vehicle population, hourly temperature and humidity, traffic speed etc. Appendix 5F-1 presents the key assumptions for the EmFAC modelling and Appendix 5F-2 gives the estimation of the vehicular emission factors for NO<sub>x</sub> and RSP (including the composite vehicle emission factors for each road link).
- 5.6.11 Vehicular Emission Kiosks and Loading / Unloading Bays
- 5.6.11.1 As discussed in Section 5.3.2, vehicular emission at kiosks and loading / unloading bays also need to be considered. Considerations have been given to the number of vehicles at the kiosks and the loading / unloading bays. A summary of the estimated emissions at 2031 is given below (see Appendix 5G).

Table 5-11 Summary of Emission at Kiosks and Loading / Unloading Bays

Table 6 11 Summary of Emission at Those	Emission Factor, (g/hr)			
Activities	NO <sub>x</sub>	RSP		
Kiosks				
Car (Inbound)	270.1	Negligible		
Car (Outbound)	178.1	Negligible		
Goods Vehicle (Inbound)	438	17		
Goods Vehicle (Outbound)	370	14		
Bus (Inbound)	47	2		
Bus (Outbound)	40	2		
Loading Bay				
Bus (Inbound)	1247	48		
Bus (Outbound)	1056	41		
Unloading Bay				
Bus (Inbound)	312	12		
Bus (Outbound)	264	10		

#### 5.6.12 Vehicular Emission from TMCLKL

**5.6.12.1** The vehicular emission from TMCLKL is provided by the EIA Consultant of TMCLKL. A summary of their emission factors is given in **Appendix 5H**.

#### 5.6.13 Other Vehicular Emission

**5.6.13.1** The traffic forecast has included all the induced traffic from planned developments such as LLP, Tung Chung East and West Future Developments. In addition, the vehicular emission from the 2 ventilation buildings for the HZMB Main Bridge have also been included for assessing the cumulative air quality impacts.

# 5.6.14 Dispersion Modelling Methodology

- **5.6.14.1** The PATH model was previously used in the Study of Air Quality in the Pearl River Delta Region (Consultancy Agreement no. CE 106/98), in which regional air quality was predicted up to Year 2015.
- **5.6.14.2** There are three core modules in the PATH model, namely:
  - MM5 Conditioning for Meteorology, Terrain, Landuse;
  - EMS-95 Emission Inventory;
  - SAQM Pollutants Transport & Chemistry Modelling.

Detailed descriptions of these modules are given in Technical Annex 7 of the CE 106/98 Study.

- 5.6.14.3 Input for MM5 Module A complete set of MM5 Module data (at 1.5km grid) for 2003 has been compiled and provided by EPD. This is the best available set of meteorological information for the entire Pearl River Estuary and HKSAR for PATH modelling, satisfying the requirement under Annex B-1 of the EIA Study Brief. This set of data has been adopted for assessing the impacts for the assessment year.
- 5.6.14.4 Input for EMS-95 Module EMS-95 consists of 5 main emission modules for point, area, biogenic, motor vehicle and marine sources. Point and area emission data are processed through EMS-95. The resultant output comprises hourly emission files, spatially allocated over the model domain grids, and then

- speciated i.e. processed in a suitable format for use in the air quality model emission preprocessor.
- **5.6.14.5** The steps involved in running EMS-95 consists of running firstly the grid definition model, followed by the point, area and biogenics mode, and then the speciation model.
- **5.6.14.6 SAQM Module** The output data from MM5 and EMS-95 are processed through the SAQM module. The SAQM model time-step is set to one hour, and is run in a one-way nested mode. The boundary and initial conditions are derived from the largest 40.5 km domain and used as input to the 13.5 km domain, and subsequently to 4.5km and 1.5km domains.

#### 5.6.15 Prediction of Open Road Emission

- 5.6.15.1 Whereas the traffic emissions for roads beyond Lantau are covered by the PATH modelling already, the traffic emissions for roads in Lantau/Airport are assessed separately by near-field modelling. The USEPA approved line source air dispersion model, CALINE4, developed by the California Department of Transport is used to assess the dispersion of traffic emissions impact from existing and planned roads in the Lantau/Airport area.
- **5.6.15.2** The hourly emission rates for each vehicle class (in gram per mile per vehicle) are obtained by dividing the emissions for the four road categories calculated in the EmFAC-HK by the total vehicle travelled miles. The composite emission factors in CALINE4 model are then calculated, as illustrated in **Appendix 5G**.
- **5.6.15.3** Grid-specific composite real meteorological data are adopted, including:
  - Relevant temperature, wind speed, direction and mixing height from the MM5 model; and
  - Stability class from a separate model PCRAMMET.
- 5.6.15.4 Meteorological data were extracted from PATH model for input into the CALINE4 and ISCST3 models, and processed by capping the mixing height to 129m as per the real meteorological data. As regards the treatment of calm hours, the approach of the "Guideline on Air Quality on Air Quality Models Version 05" has been adopted.
- **5.6.15.5** Ozone Limiting Method (OLM) was adopted for conversion of NO<sub>x</sub> to NO<sub>2</sub>, using the predicted O<sub>3</sub> and NO<sub>2</sub> levels from PATH.
- 5.6.15.6 The surface roughness height is closely related to the land use characteristics, and the surface roughness is estimated as 10 percent of the average height of physical structures within 1km study area. The surface roughness and the wind standard deviation are estimated in accordance with the "Guideline on Air Quality Models (Revised), 1986", as summarized in the table below.

Table 5-12 Summary of Surface Roughness and Wind Standard Deviation

Period / Location/ Parameters		Assumptions
Tung Chung	Surface roughness (cm)	370
	Wind standard deviation (degrees)	1) 43 for A & B Stability Classes;
		2) 33 for C Stability Class;
		3) 24 for D Stability Class;
		4) 14 for E Stability Class; and
		5) 7.2 for F Stability Class.
Lantau & Airport	Surface roughness (cm)	50
Island	Wind standard deviation (degrees)	1) 29 for A & B Stability Classes;
		2) 22 for C Stability Class;
		3) 16 for D Stability Class;
		4) 9.5 for E Stability Class; and
		5) 5 for F Stability Class.

5.6.15.7 Owing to the constraint of the CALINE4 model in modelling elevated roads higher than 10m, the road heights of elevated road sections in excess of 10m high above local ground or water surface will be set to 10m in the CALINE4 model as the worst-case assumption.

- **5.6.15.8** For barriers along roads (eg the existing noise barriers along the NLH near existing Tung Chung area see **Figure 5.4g**), the line source has been modelled at the tip of the barrier and the mixing width will be limited to the actual uncovered road width. The road type of the concerned section was set to the "fill" option.
- **5.6.15.9** As regards the dispersion of emission from kiosks and loading/unloading bays on HKBCF, the Parking Lot mode in the CALINE4 would be used to simulate the dispersion.
- 5.6.16 Prediction of Portal and Ventilation Building Emissions
- 5.6.16.1 The USEPA approved ISCST3 model was adopted for modelling of emission from portals and ventilation buildings. Similar to the assessment of open road emission, the ISCST3 model has adopted the grid-specific composite real meteorological data as that adopted for CALINE4 modelling. The tunnels and portals in the proposed project include the following:

Table 5-13 Summary of Tunnel Ventilation

Tunnel	Length	Ventilation	Portal Dim	Other Details for VB
<u>HKLR</u>				
Under Scenic Hill (See Figures 5.4a to f)	1.1km	Ventilation Building (70% pollutants discharged from vent building, 30% via portals)	In-Bound Height: 5.85m (above local ground) Width: 12m Out-Bound Height: 5.85m Width: 15.6m	Flow rate: 133m³/s Discharge vel: 5m/s Height above local road: 5m Diameter: 5.8m
HKBCF  Road link (with tunnel section) from HKBCF to Airport  (See Figures 5.4a to f)	~0.9km	Horizontal Jet Fans (100% pollutants discharged from tunnel exit)	Height : 7m (above local ground) Width : 11.3m	(Not required for modelling)

Note: Details of the ventilation building for TMCLKL are separately provided by the EIA Consultant of TMCLKL (see Appendix 5I).

- **5.6.16.2** For tunnels, the effect of portal emission will be considered. The hourly emission rate will be obtained by multiplying the emission strength (g/km/veh) by the products of traffic flow (veh/hr) and tunnel/enclosure length (km). The emission split between the tunnel portal and ventilation building will be 30% / 70% according to the latest design. For tunnels using jet fans, all the emission would be assumed at the exit of the tunnel.
- 5.6.16.3 The portal emission was assessed in accordance with the PIARC guideline assuming a jet effect to discharge to the first 100-250m of the open road section in the direction of the vehicular movements in 10 sources, with 2/3 of the total emission strength for the first five sources and 1/3 of the total emission strength for the remaining 5 sources. The emission was then modeled as volume sources by ISCST3. Appendix 5I presents the calculations for the tunnel portal emission.

**5.6.16.4** Emissions from the ventilation buildings (including those for HKBCF, TMCLKL, HZMB Main Bridge) were assessed by the ISCST3 model as point sources.

- **5.6.16.5** Ozone Limiting Method (OLM) was used for conversion of NOx to NO<sub>2</sub> based on the O<sub>3</sub> level from PATH direct (i.e. no residual O<sub>3</sub> is considered after vehicular emission interaction). As a conservative approach, OLM is applied separately to the following groups of emission sources:
  - Open roads;
  - West bound portal and ventilation building of the tunnel under Scenic Hill;
  - Eastbound portal of the tunnel under Scenic Hill;
  - Tunnel portals for the road link (with tunnel section) from HKBCF to Airport;
  - Southern tunnel portal for the southern landfall of TMCLKL;
  - Ventilation building for the southern landfall of TMCLKL;
  - Tunnel portals and ventilation building of the HZMB Main Bridge.
- **5.6.16.6** The ventilation design of the tunnels for HKLR and HKBCF would be designed to meet EPD's guidelines for Air Quality Inside Tunnel.

# 5.6.17 Prediction of Cumulative Air Quality Impacts

5.6.17.1 The cumulative pollutant concentrations are computed by combining the predicted concentration from PATH, CALINE4 and ISCST on an hourly basis. All the predictions including maximum 1-hour, 24-hour average and annual average for NO<sub>2</sub> and RSP from 1.5m to 20m above local ground or higher level for some ASRs are given in **Appendix 5J**. A summary of these predictions at the worst hit levels is presented in the tables below.

Table 5-14A Predicted Maximum 1-hour Concentrations

Locations	NO <sub>2</sub> , ug/m <sup>3</sup>
Sham Wat (A98 – A99)	214 - 218
Sha Lo Wan (A93 – A96)	232 - 246
San Tau Area (A90 – A92)	212 - 228
Ma Wan Chung (A59, A60 – A66)	197 - 202
San Shek Wan (A97)	219
Tung Chung Town - South of NLH (A41 – A58, P3)	195 - 243
Tung Chung Town – North of NLH (A1 – A40, A100 – A101, P4 – P6)	192 - 206
Airport Island (A67 – A89, A102 – A106, P12 – P13)	203 - 271
Tung Chung East Further Development (P1 – P2)	191 - 201
Tung Chung West Further Development (P7 – P11)	200 - 210
AQO	300
% of AQO	90
Margin below AQO	29

Table 5-14B Predicted Maximum Daily Concentrations

Locations	NO <sub>2</sub> , ug/m <sup>3</sup>	RSP, ug/m <sup>3</sup>
Sham Wat (A98 – A99)	96 - 110	89 - 91
Sha Lo Wan (A93 – A96)	130 - 134	95 - 96
San Tau Area (A90 – A92)	108 - 109	90
Ma Wan Chung (A59, A60 – A66)	100 - 105	90
San Shek Wan (A97)	110	92

Locations	NO <sub>2</sub> , ug/m <sup>3</sup>	RSP, ug/m <sup>3</sup>
Tung Chung Town - South of NLH (A41 – A58, P3)	103 - 119	90 - 92
Tung Chung Town – North of NLH (A1 – A40, A100 – A101, P4 – P6)	93 - 127	91 - 92
Airport Island (A67 – A89, A102 – A106, P12 – P13)	110 - 131	90 - 96
Tung Chung East Further Development (P1 – P2)	94 - 107	91 - 92
Tung Chung West Further Development (P7 – P11)	99 - 109	89 - 91
AQO	150	180
% of AQO	89	53
Margin below AQO	16	84

Table 5-14C Predicted Annual Concentrations

Locations	NO <sub>2</sub> , ug/m <sup>3</sup>	RSP, ug/m <sup>3</sup>
Sham Wat (A98 – A99)	22 - 26	43 - 45
Sha Lo Wan (A93 – A96)	44 - 47	47
San Tau Area (A90 – A92)	31 - 33	45
Ma Wan Chung (A59, A60 – A66)	23 - 25	44
San Shek Wan (A97)	27	45
Tung Chung Town - South of NLH (A41 – A58, P3)	26 - 54	44 - 47
Tung Chung Town – North of NLH (A1 – A40, A100 – A101, P4 – P6)	26 - 43	44 - 46
Airport Island (A67 – A89, A102 – A106, P12 – P13)	34 - 51	45 - 48
Tung Chung East Further Development (P1 – P2)	24 - 27	44
Tung Chung West Further Development (P7 – P11)	25 - 36	44 - 46
AQO	80	55
% of AQO	68	87
Margin below AQO	26	7

- **5.6.17.2** It can be seen from the above tables that the predicted pollutant concentrations at all the representative ASRs do satisfy the Air Quality Objectives.
- **5.6.17.3** For the ASRs on the eastern coast of Tung Chung East Future Development, LLP and the MTR Siu Ho Wan Depot, the EIA Report for TMCLKL has confirmed that all the existing and planned receivers would comply with the relevant criteria and there are no residual air quality impacts.
- **5.6.17.4** In order to identify any potential landuse constraints along the alignment of HKLR and in the vicinity of the HKBCF (within area more influenced by HKLR and HKBCF), the use of pollution contours has been considered.
- 5.6.17.5 For the HKLR section along the airport channel, there are no planned sensitive uses on airport island. The village houses to the south of the alignment include San Shek Wan, Sha Lo Wan and San Tau would mainly retain as village type developments and representative ASRs have been assessed. Results indicated that all the predicted concentrations are well within the criteria. The receivers are also about at least 100m far away from the HKLR. Hence, it is considered that pollution contours are not required.
- 5.6.17.6 For the HKLR alignment along the eastern coast of airport island and near to the HKBCF, there would be some planned developments closer to the project boundary. These planned developments include the CAD Headquarter and other landuse to the south of AsiaExpo. Pollution contours would therefore be useful for identify any landuse constraints. Further analysis of the results for discrete ASRs suggests that, for the maximum predicted RSP concentrations (for 24-hr

average and annual) are dominated by the background concentration (up to 98%) instead of the contribution from the traffic on the roadwork. For the annual  $NO_2$ , the predicted concentration is relatively low, only constitute about 28-68% of the AQO. It is therefore considered that contours for RSP and annual  $NO_2$  would not provide useful information for identifying landuse constraints. Hence, pollution contours would only be generated for 1-hr  $NO_2$  and 24-hr  $NO_2$ .

- 5.6.17.7 For the Tung Chung area, analysis has revealed that higher concentrations are predicted for the ASRs closer to the NLH. Receivers away from NLH would be subject to much lower pollution concentrations. Due to the influence of the emission from the airport, the predicted pollution concentrations for ASRs such as the Citygate would be slightly higher than the developments to the east of the Tung Chung New Town. Hence, it is considered appropriate to have the contours for the area near Citygate. Similar to the situation for ASRs along the eastern coast of the airport island, only 1-hr and 24-hr NO<sub>2</sub> pollution contours would be presented.
- 5.6.17.8 The pollution contours on the concerned areas are presented in Figures 5.5a to c. It can be seen from these contours that other than a small portion of the planned highway maintenance area along the eastern coastline of airport island (reclaimed under the HKLR), the air quality impacts caused by HKLR and HKBCF would not impose any constraints and the neighbouring landuse. Since the planned highway maintenance area along the eastern coastline would not have any air sensitive uses, it would not impose any landuse constraints.

#### 5.7 Conclusion

- 5.7.1 An air quality impact assessment has been conducted for both the construction and operational phases. The fugitive dust assessment for the construction phase has concluded that 8 times/day watering in all works areas would be required to control the fugitive dust impact.
- 5.7.2 For the assessment of operational phase air quality, a combination of regional wide model (PATH) and near field dispersion models (CALINE4 and ISCST3) has been used. This approach allows a more realistic prediction taking into consideration of the regional meteorological patterns, terrain effect and complex photochemical reactions. The PATH model also takes into account the Pearl River Delta Regional Air Quality Management Plan drawn up by the HKSAR and the Guangdong Provincial Government.
- 5.7.3 Sensitivity tests have been undertaken to identify the highest emission scenario from this Project, given the combination of vehicular emission factors and the projected traffic flow. It is concluded that the worst-case assessment scenario is Year 2031. Emissions for various pollutant sources have therefore been updated for the assessment year.
- 5.7.4 For open road emissions within North Lantau, the dispersion was modelled by CALINE4. EmFAC-HK model was adopted to calculate the vehicular tailpipe emission, taking into account the latest implementation program of the emission standards for diesel vehicles and fuel quality in Macao and Mainland China.
- 5.7.5 The effect of emission from portals and ventilation buildings has been modelled using ISCST, taking the length of each tunnel and its ventilation scheme into account.
- 5.7.6 The results show that the predicted cumulative pollution concentrations at all identified ASRs will comply with the Air Quality Objectives. There will be no landuse constraints. Hence, it is concluded that there will not be any residual air quality impacts.

# APPENDIX 5A

Calculation of Fugitive Dust Emission Factors

Agreement No. CE 14/2008 (CE) Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Investigation

# Calculation of Emission factor for Wind Erosion

According to Section 11.9 of AP-42

E = 0.85Mg/hectare/yr (ref : AP-42 S11.9, Table 11.9.4)

Where

E = Emission Factor

#### Assume

Daytime: Percentage active operating area (%) Mitigation efficiency (%) E (g/sqm/day) E (g/sq.m/s)	10 87.50% 0.002910959 <b>0.000000337</b>	for calculation of TSP annual average concentration 87.5% efficiency for watering 8 times daily calculated as in AP-42 (S11.9, Table 11.9.4) calculated, 24-hour emission
Percentage active operating area (%) Mitigation efficiency (%) E (g/sqm/day) E (g/sq.m/s)	30 87.50% 0.008732877 <b>0.000001011</b>	usual practice for typical construction site 87.5% efficiency for watering 8 times daily calculated as in AP-42 (S11.9, Table 11.9.4) calculated, 24-hour emission
Nighttime: Percentage active operating area (%) Mitigation efficiency (%) E (g/sqm/day) E (g/sq.m/s)	10 0 0.023287671 <b>0.0000002695</b>	for calculation of TSP annual average concentration 0% for Do-nothing calculated as in AP-42 (S11.9, Table 11.9.4) calculated, 24-hour emission
Percentage active operating area (%) Mitigation efficiency (%) E (g/sqm/day) E (g/sq.m/s)	30 0 0.069863014 <b>0.000008086</b>	usual practice for typical construction site 0% for Do-nothing calculated as in AP-42 (S11.9, Table 11.9.4) calculated, 24-hour emission

Agreement No. CE 14/2008 (CE) Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Investigation

# Calculation of Emission factor for Heavy Construction

According to Section 13.2.3 of AP-42

E = 1.2tons/acre/month of activity (ref : AP-42 S13.2.3.3)

or = 2.69Mg/hectare/month of activity

Where

E = Emission Factor

# Assume

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Percentage active operating area (%)	10	for calculation of TSP annual average concentration
Mitigation efficiency (%)	87.50%	87.5% efficiency for watering 8 times daily
E (g/sq.m/day)	0,1293	Assume 26 working days per month and 12 working hours a day
E (g/sq.m/s)	0.0000029937	calculated, 12 working hours per day
Percentage active operating area (%)	30	usual practice for typical construction site
Mitigation efficiency (%)	87.50%	87.5% efficiency for watering 8 times daily
E (g/sq.m/day)	0.3880	Assume 26 working days per month and 12 working hours a day
E (g/sq.m/s)	0.0000089810	calculated, 12 working hours per day

Percentage active operating area (%) Mitigation efficiency (%) E (g/sq.m/day) E (g/sq.m/s)	10 0.0% 1.0346 <b>0.0000239494</b>	for calculation of TSP annual average concentration 0% for Do-nothing Assume 26 working days per month and 12 working hours a day calculated, 12 working hours per day
Percentage active operating area (%) Mitigation efficiency (%) E (g/sq.m/day)	30 0.0%	usual practice for typical construction site  0% for Do-nothing
E (g/sq.m/s)	3.1038 <b>0.0000718483</b>	Assume 26 working days per month and 12 working hours a day calculated, 12 working hours per day

## Calculation of Emission factor for Material Handling

According to Section 13.2.4 of AP-42

$$E = k(0.0016) \frac{\left(\frac{U}{2.2}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} (kg / megagram)$$

where

E = Emission Factor in kg/megagram (Ref. AP42 S13.2.4)

k = Particle size multiplier, k = 0.74 as defined according to Table 2 of S13.2.4

U = Average wind speed at Tung Chung from 2002 to 2006 (i.e. ~4.689m/s)

M = material moisture content; 2% is assumed in the equation

$$E = 0.74 \times (0.0016) \times (4.689/2.2)^{1.3/(2/2)^{1.4}$$

= 0.00317 kg/megagram

No. of trucks loading/unloading at each barging point =

Average carrying capacity for each truck =

Quantity of excavated materials loading at barging point =

Total number of barging point=

10 per hour (assume 20 trucks per hour will be loaded and unloaded)

24 tonne

240 megagram per hour per barging point

2

#### Daytime:

Mitigation efficiency (%) 90.00% \*90% reduction

E = 0.00032 kg/megagram = 76.0800 g/hour = 0.0211 g/s

Mitigation efficiency (%) 0.00% 0% for Do-nothing

E = 0.00317 kg/megagram = 760.8000 g/hour = 0.2113 g/s

#### \* Note:

90% reduction by a. All road surface within the barging facility wil be paved

- b. Dust enclosures will be provided for the loading ramp
- c. Vehicles will be required to pass through designated wheel washing facilities before leaving the barging facility
- d. Continuous water spary for the loading point

# **APPENDIX 5B**

Locations and Details of Worksites for Fugitive Dust Assessment

# Location and Details of Worksites for Fugitive Dust Assessment

#### Parameters for 1 hr and 24 hr TSP Concentration Calculation

				Emission Ra	ate (g/s/sq.m)	\$\$0750 (\$2.550.68) . \$6.50		10001/102/2000/006			000000000000000000000000000000000000000	\$55566500000000000000000000000000000000	Mecoulinguages
Source ID Source T	Source Type	Heavy Co	nstruction Wind E		Erosion Barging		ing Point Dime		sion (m)	Coordinates of centroid		Height	Angle
	100,000,000,000,000,000	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	X	Υ		
11	Area	0.000008981	-	0.000000101	0.000000809	-	-	1170	784	813232	819610	0	-16,0
2	Area	0.000008981	-	0.000000101	0.000000809	-		395	140	812345	819417	O.	12.0
3	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	195	812102	819394	0	12.0
4	Area	0.000008981	-	0.000000101	0.000000809	1	-	120	410	811903	819167	0	-39.0
5	Area	0.000008981	-	0.000000101	0.000000809	-	-	110	210	811777	818864	0	0.0
6	Area	0.000008981	-	0.000000101	0.000000809	-	-	105	360	811843	818572	n	20.0
7	Area	0.000008981	-	0.000000101	0.000000809	-	-	100	180	811921	818300	0	0.0
8	Area	0.000008981	-	0.000000101	0.000000809	-	-	110	150	811832	818146	0	-30.0
9	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	40	811734	818176	n	18.0
10	Area	0.000008981	-	0.000000101	0.000000809	-	-	95	150	811740	818026	ñ	-30.0
11	Area	0.000008981	-	0.000000101	0.000000809	-	-	160	160	811618	818087	0	-21.0
12	Area	0.000008981	-	0.000000101	0.000000809	-	-	90	360	811626	817791	0	-16.5
13	Area	0.000008981	-	0.000000101	0.000000809	-	-	85	165	811572	817928	Ċ	-18.0
14	Area	0.000008981	-	0.000000101	0.000000809	•	•	90	70	811097	817093	0	26.0
17	Area	0.000008981	•	0.000000101	0.000000809	-	-	1150	535	816385	819272	0	23.0
18	Area	0.000008981	•	0.000000101	0.000000809	-	-	900	200	817452	819582	0	51.5
19	Area	0.000008981	-	0.000000101	0.000000809	-	-	155	360	814055	820311	0	-1.5
20	Area	0.000008981	-	0.000000101	0.000000809	-	-	140	1090	813903	819577	0	-16.0
21	Area	0.000008981		0.000000101	0.000000809	-	-	1170	310	813382	820136	0	-16.0
22	Area	0.000008981	-	0.000000101	0.000000809	-	_	275	20	812028	820003	0	39.0
23	Area	0.000008981	-	0.000000101	0.000000809	-	-	275	20	811815	819828	ñ	33.0

		(10) (10) (10) (10) (10) (10) (10)		Emission	Rate (g/s)			050100000000000000000000000000000000000	1990 (200		san artika salah menang	reservation and the	Attivest vissing and
Source ID	Source Type		nstruction		rosion	Bargin	g Point	Dimens	sion (m)	Coord	dinates	Height	Width
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Х	Y	X	Υ	/0000 UTB 000-T-0077 (19)	
15	Point	<u> </u>	-	-	-	0.021133333	-	0	0	810801	816956	0	0.0
16	Point	-		-	-	0.021133333	-	0	0	810873	816932	0	0.0

Source ID Source Type	nii (11) (20) (20) (20)		(23) (23) (23) (23) (23)	Emission F	tate (g/s/m)		and the same distance in the same	Coordi	nates of	Coordinate	s of ending		
	Source Type	Heavy Coi	struction	Wind E	rosion	Bargin	g Point	startin	g point	MAY 0.000 A COUNTY OF THE SECOND SECOND	int	Height	Width
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Χ	Y	Х	Υ	Height   Wid   0 30   0 45   0 13   0 17	
24	Line	0.000269431	-	0.000003032	0.000024258	-	-	811747	820050	811897	819624	0	30
25	Line	0.000404147	-	0.000004548	0.000036387	_	-	811897	819624	812037	819480	n o	
26	Line	0.000116753	-	0.000001314	0.000010512	_	-	811897	819624	811850	819423	n	13
27	Line	0.000152678		0.000001718	0.000013746	-	-	811850	819423	811663	819129	0	17
28	Line	0.000377204	-	0.000004245	0.000033961	-	-	811663	819129	811578	818752	ň	42
29	Line	0.000431090	-	0.000004852	0.000038813	-	-	811578	818752	811358	818064	n	48

#### Location and Details of Worksites for Fugitive Dust Assessment

### Parameters for annual TSP Concentration Calculation

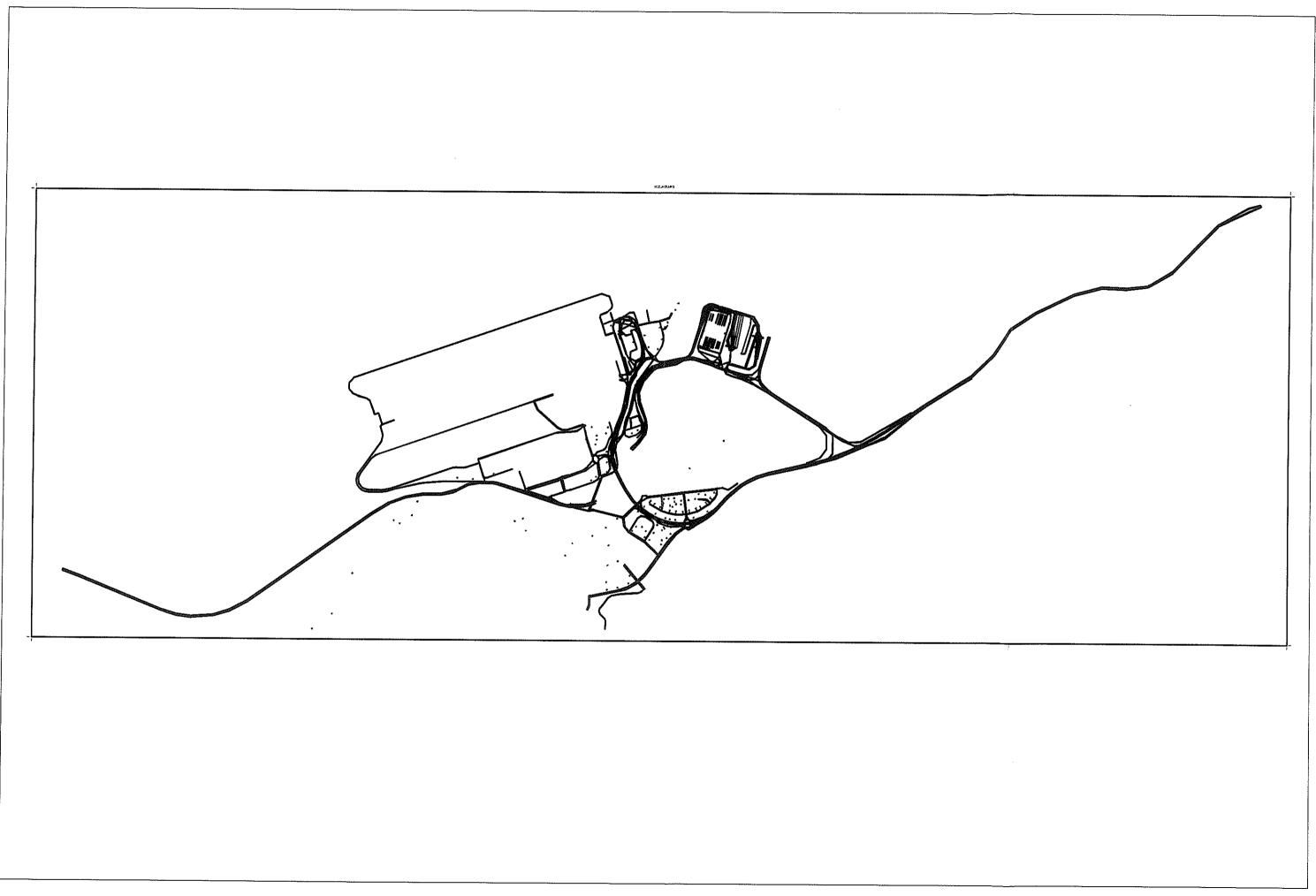
			e olganisti olganisti olga	Dimension (m) Coordinates of centroid			060000000000000000000000000000000000000	\$2000000000000000000000000000000000000					
Source ID	Source Type	Heavy Co	nstruction	Wind B	Erosion	Bargir	ig Point	Dimens	sion (m)	Goordinate	s of centroid	Height	Angle
(85) (48) (58) (41) (43)	99, 98, 88, 88, 88	Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Χ	Y	Х	Y		
1	Area	0.000002994	•	0.000000034	0.000000270	-	-	1170	784	813232	819610	0	-16.0
2	Area	0.000002994	-	0.000000034	0.000000270	-	-	395	140	812345	819417	0	12.0
3	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	195	812102	819394	0	12.0
4	Area	0.000002994	-	0.000000034	0.000000270	-	-	120	410	811903	819167	0	-39.0
5	Area	0.000002994		0.000000034	0.000000270	-	-	110	210	811777	818864	0	0.0
6	Area	0.000002994	-	0.000000034	0.000000270	-	-	105	360	811843	818572	0	20,0
7	Area	0.000002994	-	0.000000034	0.000000270	-	-	100	180	811921	818300	0	0.0
8	Area	0.000002994	-	0.000000034	0.000000270	-	-	110	150	811832	818146	0	-30.0
9	Area	0.000002994		0.000000034	0.000000270	-	-	90	40	811734	818176	0	18.0
10	Area	0.000002994	-	0.000000034	0.000000270	-	-	95	150	811740	818026	0	-30.0
11	Area	0.000002994	-	0.000000034	0.000000270	-	-	160	160	811618	818087	0	-21.0
12	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	360	811626	817791	0	-16.5
13	Area	0.000002994	-	0.000000034	0.000000270	-	-	85	165	811572	817928	0	-18.0
14	Area	0.000002994	-	0.000000034	0.000000270	-	-	90	70	811097	817093	0	26.0
17	Area	0.000002994		0.000000034	0.000000270	-	-	1150	535	816385	819272	0	23.0
18	Area	0.000002994	-	0.000000034	0.000000270	-	-	900	200	817452	819582	0	51.5
19	Area	0.000002994	-	0.000000034	0.000000270	-	-	155	360	814055	820311	0	-1.5
20	Area	0.000002994	-	0.000000034	0.000000270	-	-	140	1090	813903	819577	0	-16.0
21	Area	0.000002994	-	0.000000034	0.000000270	-	-	1170	310	813382	820136	0	-16.0
22	Area	0.000002994		0.000000034	0.000000270	-	-	275	20	812028	820003	0	39.0
23	Area	0.000002994	-	0.000000034	0.000000270	-	-	275	20	811815	819828	0	33.0

A1000 000/445/446000		0.0000000000000000000000000000000000000		Emission	Rate (g/s)	1766 (190 con 189) (60 con		granton en tropichio en		50 90 90 000	GNATES RESERVED VOICE DE SELECTE	trattationisses essenti	Si Saman mi tanina m
Source ID	Source Type		nstruction	Wind E	rosion	Bargin	g Point	Dimens	sion (m)	Coord	linates	Height	Width
100000000000000000000000000000000000000		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	Х	Y	X	Υ////	T.	
15	Point	-	-	-	•	0.021133333	-	0	0	810801	816956	0	0.0
16	Point	-	-	-	_	0.021133333	-	0	0	810873	816932	0	0.0

110600633126311105611056			e lega ese Con pollunti laco.	Emission F	tate (g/s/m)		yatan este este all'este	Coordi	nates of	Coordinate	s of ending	W8000000000000000000000000000000000000	Standard Schools
Source ID	Source Type	Heavy Construction		Wind Erosion		Barging Point		starting point		point		Height	Width
		Daytime	Nighttime	Daytime	Nighttime	Daytime	Nighttime	X	Y	Х	Υ		
24	Line	0.000089810	-	0.000001011	0.000008086	-	-	811747	820050	811897	819624	0	30
25	Line	0.000134716	-	0.000001516	0.000012129	-	-	811897	819624	812037	819480	0	45
26	Line	0.000038918	-	0.000000438	0.000003504	-		811897	819624	811850	819423	0	13
27	Line	0.000050893	-	0.000000573	0.000004582	-	-	811850	819423	811663	819129	<u> </u>	17
28	Line	0.000125735	-	0.000001415	0.000011320	-	-	811663	819129	811578	818752	ň	42
29	Line	0.000143697		0.000001617	0.000012938	-	_	811578	818752	811358	818064	1 n	48

APPENDIX 5C

Extent of Road Not Included in PATH



## APPENDIX 5D

2031 Emission Inventory

Project: HKBCF and HKLR

Title : Summary of 2031 Emission Inventory

	Annual Emission (2031), Tonne / Yr							
Emission Group	SO <sub>2</sub>	NO <sub>x</sub>	RSP	VOC				
Power Plant, Industry, Transportation, VOC Containing Product and others in PRDEZ	394,369	440,991	204,162	173,260				
Aircraft Take - Off, Climb Out, Approach, Idling /								
Taxing	446	8,665	100	1,140				
Ground support Equipment	70	189	52	18				
Auxillary Power Units	24	156	0	20				
Engine Run-up Facilities	1	31	0	2				
Fuel Tanks	0	0	0	8				
HKSAR - Power Plant	11,698	17,375	737	420				
HK Industry (see Note 1)	1,399	7,121	820	4,762				
HK Marine	7,169	36,151	1,539	1,536				
HK Roads (except those on Lantau)	359	7,337	296	3,665				
Petrol car and evaporation of petrol	0	0	0	1,263				
Tire wear and brake	0	0	854	0				
Non-Road Mobile Source	0.1	26	3	3				
VOC Containing Sources	0	0	0	18,939				
Commercial & domestic fuel combustion	6	1,982	137	98				
Others	0	17	9	334				

Note: Emission from the proposed project and other roads on Lantau are separately quantified.

Note 1: Emission from EcoPark, STF, Green Island Cement have been included in the emission inventory.

## APPENDIX 5E

Airport Operation Information

Project : HKBCF – Air Quality Assessment
Title : Air port Operational Information for 2020

ParametersValuesAnnual Aircraft Movement: 420, 845Annual Passenger: 87 MillionsRunway Mode: Mixed

Aircraft Fleet Mix : See Table C2-2
Taxi Time : See Table C2-3
Percentage Break-Down of LTOs : See Table C2-4

Annual LTO : 210,423

Departure Queue Length : See Table C2-5
GSE Assignment : See Table C3-1
Aircraft Hourly Operational Profile : See Table C7-1
Aircraft Daily Operational Profile : See Table C7-2

Table C2-2 Aircraft Fleet Mix

	<u>T</u> :	able C2-2 Air	craft Fleet Mi	X	
		e Year	7000	€ + + Yea	r 2020
Aircráft Cafegóry					Contract of
71327	Alforatt Type	Parcentage:	e Potreoniage d	Percentage	Percentage
10.		'ofatotal'	o Calegory	of Jolai	O EQUIDADINE
	B747-400		68.8		65.8
	B747-200F		15.7		13.1
	B747-400F		6.6		5.5
747	B747-200C		6.3		13.1
	B747-100		1.9		1.8
	Others		0.7		0.7
	Total	30.8		30.9	
	A330		22.6		25.0
,	A340-300		17.5		15.4
	A300-600		13.9		1.4
	B777-200		13.5		20.9
	B777-300	,	9.9		15.4
	B767-300ER		7.5		3.5
	MD-11		4.2		4.0
Other Wide	MD-11-11F		3.5		3.4
Body	A330-300		2.4	<u> </u>	2.7
	DC10-40		1.3		0
	A310-300		0.9		4.1
	B767-200ER		0.8	<u> </u>	0.4
	A310		0.6		2.5
	Others		1.4		1.3
	Total	44.7		51.9	40.4
	A320		34.1		43.1
	B757-200		16.4		19.6
	B737-300		10.7		5.2 .
	B737-800		9.5		. 4.6
	MD-90-30		7.5		11.4
	A320-100		7.4		9.4
Narrow Body	B737-500		5.8		2.8
Narrow Body	MD-80-82		2.4	<u></u>	0
	B737-400		2.1		1.0
	B737-100		0.8		0.4
	Gulfstream II/III		0.7		0.6
	B757-200F		0.5	<u> </u>	0.6
	Others		2.1	45.5	1.3
	Total	24.5		12.5	ļ
New Large Aircraft	A380		1	4.7	
ļ, <u></u>	TT	CT CO CAL'-	ntecony over anni	and I TOo of all o	ircraft

a The percentage of LTOs of this category over annual LTOs of all aircraft b The percentage of LTOs of this aircraft type over LTOs of the entire category

### Table C2-3 Taxi Time

Scenario	Laxi Eme (mm)
Year 2000 a	21.0
Year 2020	27.8

a. Derived from the "chock on/off" data, which contains the time of landing, chock on (arrive at a gate), chock off (depart from a gate) and takeoff. Thus actual queue time is included. Taxi time is calculated using the following equation:

Taxi-in Time = TimeChock on - TimeLanding

Taxi-out Time = TimeTakeoff - TimeChock off

Taxi Time = Taxi-in Time + Taxi-out Time

Taxi Time is calculated for each aircraft for 5 days selected from the chock on/off dataset, and an average is calculated, which is 21.0 as shown in this table.

Table C2-4 Percentage Break-Down of LTOs Based on Routes

(Kunway-Ta	axiway Com	binations)	U			
2117777	70 (f) 20 117 (f)	4177.75		941: 41 T		
Year 2000	30.0	30.0	20.0	20.0	6Ò.0	40.0
	(15); S. (7:4); Z					
Year 2020	14.4	9.6	9.6	6.4	30.0	30.0
Year 2020	21.6	14.4	14.4	9.6	20.0	20.0

a. A "route" is a combination of arrival runway, taxiways and departure runway, which from the model point of view, represents a series of area sources (segments of runways and taxiways). For example, route "07L-NGI-07R" represents the route of an aircraft which arrives at runway 07L, stops at the gate NGI (on the north side of the existing passenger terminal building), and departures at the runway 07R.

b. The notation for each route is as following:

Runways - 07R/25L, 07L/25R

Gate Areas: NGI - all gates at the north side of the existing passenger terminal building

SG1 - all gates at the south side of the existing passenger terminal building

CG - the cargo gate

NG2 - all gates at the north side of the proposed midfield terminal building

SG2 - all gates at the south side of the proposed midfield terminal building

Table C2-5 Departure Queue Length

See See Figure	ale sir (e) iraic	Policine
Year 2000	16ª	740 <sup>b</sup>
Year 2020	29°	1,628 <sup>d</sup>

- a. The queue time is estimated based on taxi-out time which already includes the queue time.

  Assuming that the longest taxi-out time is resulting from queuing, while the shortest taxi-out time is due to lack of queuing. The queue time is estimated as the difference between the highest accumulative 5% taxi-out time and the lowest accumulative 5% taxi-out time.
- b. The one-way runway capacity is 35 movements per hour, thus 1.7 minutes per aircraft. Therefore, the peak hour queue time of 16 minutes is equivalent to 10 aircraft waiting in line. Assuming all these aircraft are of the size of Boeing 747, which is 71 meters long, plus 3 meters cushion space, the total queue length is 740 meters.
- c. The peak queue time and queue length is derived based on the difference between the runway capacity and the peak hour aircraft movements. The two-way runway capacity is 75 aircraft movements per hour. The two-way peak hour aircraft movement is 97.

  The difference is 22 movements. Assuming all the difference is due to the departure, i.e. the queue consists 22 aircraft. According to the one-way capacity of runway, which is 45 aircraft movements, it takes 1.3 minutes for each aircraft to departure. Therefore, it will take 29 minutes for 22 aircraft in queue to takeoff, i.e., the peak queue time is 29 minutes.
- d. Assuming all of the 22 queuing aircraft are of the size of Boeing 747, which is 71 meters, and plus a cushion space of 3 meters, the peak hour queue length is 1628 meters.

Table C3-1 GSE Assignment - Commercial

Table C3-1		L ASSI	game	ent – C	OTHIN6	ercial							SO COMPANY TO	
100		200					COL Open	on just tens				100		
	, C.7.	is e		e e e					14	150		and the		e and
			6.0			2068	Lower Labe.	July Deck		10000		P.278		
A300-600	7	<u> </u>	26	120	35	35	92		20	32	25	12	<u> </u>	-
A300-600F	7	. 8	26	108	46		80	100		32	2.5	7	<u> </u>	
A300-B4	7	8	26	108	46	35	92		20	32	25	7	<u> </u> _	-
A310	7	8	26	108	46	35	92		20	32	25	7		
A310-200	7	. 8	26	108	46 -	35	92	<u> </u>	20	32	2.5	7	<u> </u>	
A310-200F	7	8	26	108	46	-	80	100	<u></u>	32	25	7	<u> </u>	-
A310-300	7	8	26	102	46	3.5	92	-	20	32	25	7		<u> </u>
A319	7	8	26	34,4	39.3	16.6	-	<u> </u>	16.4 .	20	15	12	<u> </u>	<u> </u>
A320/320-100	7	8	26	75	48	20	-	<u> </u>	15	12	15	12	<u> </u>	-
A330/330-300	7	8	26	108	46	35	92	• -	20	32	25	7	<u> </u>	:_
A340-300	7	8	26	801	46	35	92	<u> </u>	20	32	25	7	<u> </u>	<u> </u>
A380	7	8	26	108	46	35	92	<u> </u>	20	32	25	7	<u> </u>	<u> </u>
B707-300	7	8	26	34.4	39.3	16.6	-			20	15	12		<u> </u>
B727-200/200F	7	8	26	45	45	20	-		15	12	1.5	12	<u> </u>	-
B737-100	7	8	26	34,4	39.3	16,6	-	-	16.4	20	15	12	<u> </u>	
B737-200/200C	7	8	26	15.8	35	13.8	-		13.6	18.4	15	. 12	•	<u> </u>
B737-300	7	8	26	68	48	20	_	-	)D	12	15	12	-	<u> </u>
B737-400	7	8	26	75	48	20		-	18	12	15	12	٠	· -
B737-500	7	8	26	15.8	35	13.8	-		13.6	18.4	15	12		<u> </u>
B737-800	7	- 8	26	45	45	20		-	15	12	15	12		
B747-100/100SR	. 7	8	26	308	46	35	92	•	20	32	25	7		-
B747-200C	7	8	26	108	46	35	92	001	20	32	25	7		<u> </u>
B747-300	7	8	26	108	46	35	92	•	20	32	25	7	•	•
B747-400	7	8	26	108	46	35	92	-	20	32	25	7		-
B747-SP	7	8	26	108	46	35	80		20	32	25	7	-	
B747-200F/400F	7	8	26	108	46		80	100		32	25			
B757-200/200F	7	8	26	43	40.5	20.9	-	-	24	25 32	15 25	12	-	-
B767-200ER	7	. 8	26	108	46	35	80	-	20	32	25	7		-
B767-300ER	7	8	26	108	46	35 35	80 80	-	20	32	25	7		
B777-200 B777-300	7	8	26 26	108	46	35	80		20	32	25	7		
			- 25	35								·	10	40
Beech King Air 200		5	26	15.3	21.3	-			10		15		20	-
Canadair reg 100 Citation V	-	5		200	-							_	20	40
CL-600		5		35	30				10		15		20	50
DC-10-30/40	7		26	108	46	35	80	···.	20	32	25	7		
DC-10F	7	8	26	108	46		80	100		32	25	7		
DC-8/8-50F	7	8	26	34.4	39.3	16.6			16,4	20	15	12		-
DO328	- 1	5	26	35	30	10	-		10		15	-	20	
F28-4000		5	26	75	48	-		-	15	- 1	15	12	20	-
Falcon 20/50	- 1	5	-							- 1	- 1		20	40
Fokker 100	7	8	26	75	41	. 20			10	13.2	15	.7		-
Gulfstream H		5	-	35	30	-			10	-	15	-	20	50
Gulfstream IV	- 1	5	26	7	30	-			10	-	15	-	20	-
HS125	- [	5			-	_	-	-		- 1	-	-	20	40
1L26	7	8	26	108-	46	35	80		20	32	15	7	- 1	-
L-100 HERCULES		8	26	-	-		-		- 1	20	-		-	
L-1011-1	7	8	26	108	46	35	92		20	32	41.5	7		-
Leanjet 35/36			-	-	-	-			-	-	- 1		10	40
MD-11	. 7	8	26	108	46	35	92	-	20	32	43.5	7	-	-
MD-11-11F	7	8	26	108	46	-	80	100		32	40	7		
MD-80-82/83	7	8	26	34,4	39.3	16,6			16,4	20	24.6	12		-
MD-90-30	7		26	34.4	39.3	16.6			16.4	20	24.6	12	-	-
Piper PA 28			-		-		-			-	•	-	10	-
Tu-154	7	- 8	26	75	48	-			15	12	15		10	
14-1377		<u> </u>	_ 40	رر	70					1			-,,	

Table C3-1 GSE Assignment - Military

		o (pp) use	- 66
	260	Colores	<b>1</b>
C-17A	10	20	10
G5-galaxy	10	120	10
KC-10A/135-R	10	120	10

Table C3-1 (	GSE Assignmer	nt Details				<u> </u>
AIR_NAME	ENG_NAME	GSE_NAME	OPERATION TIME (min)	HODGEDOWED	LOADEACTOR	
A310-200	JT9D-7R4E1	Air Start	7.00		LUADFACTOR	REFERENCE
A310-200F	CF6-80A3	Air Start	7.00		0.9000	ACE 180
B727-200F	JT8D-15	Baggage Tractor	75.00			ACE 180
B727-200F	JT8D-15	Aircraft Tractor	8.00			
A300-600F	CF6-80C2A5F	Water Service	7,00			Stewart & Stevenson TUG GT-35, Douglas TBL-180
A300-600F	CF6-80C2A5F	Lavatory Truck	25.00			
A300-600F	CF6-80C2A5F	Cargo Loader	100.00			Wollard TLS-770 / F350
A300-600F	CF6-80C2A5F	· Baggage Tractor	108.00			FMC Commander 30
A300-600F	CF6-80C2A5F	Aircraft Tractor	8.00	<del></del>		
A300-B4	CF6-80C2A5	Water Service	7.00		. 0.8000	Stewart & Stevenson TUG T-750
A300-B4	CF6-80C2A5	Lavatory Truck	25.00			
A300-B4	CF6-80C2A5	Hydrant Truck				Wollard TLS-770 / F350
A300-B4	CF6-80C2A5	Catering Truck	32,00			
A300-B4	CF6-80C2A5	Belt Loader	20.00 46.00	·	0.5300	HI-Way F650
A300-B4	CF6-80C2A5	Baggage Tractor				
A300-B4	CF6-80C2A5	Aircraft Tractor	108.00			
A310-200	JT9D-7R4E1	Lavatory Truck	8.00 25.00			Stewart & Stevenson TUG T-750
A310-200	JT9D-7R4E1	Hydrant Truck	32.00			Wollard TLS-770 / F350
A310-200	JT9D-7R4E1	Catering Truck	20.00			
A310-200	JT9D-7R4E1	Belt Loader	46.00		0.5300	HI-Way F650
A310-200	JT9D-7R4E1	Baggage Tractor	108.00			
A310-200	JT9D-7R4E1	Aircraft Tractor	8.00			
A310-200F	CF6-80A3	Lavatory Truck	25,00			Stewart & Stevenson TUG T-750
A310-200F	CF6-80A3	Hydrant Truck	32.00			Wollard TLS-770 / F350
A310-200F	CF6-80A3	Cargo Loader	80.00			
A310-200F	CF6-80A3	Belt Loader	46.00		0.5000	FMC Commander 15
A310-200F	CF6-80A3	Baggage Tractor	108.00			
A310-200F	CF6-80A3	Aircraft Tractor	8,00	340		
A310-300	CF6-80C2A8	Lavatory Truck	25,00	195		Stewart & Stevenson TUG T-750 Wollard TLS-770 / F350
A310-300	CF6-80C2A8	Hydrant Truck	32.00		0.7000	
A310-300	CF6-80C2A8	Catering Truck	20.00			Hi-Way F650
A310-300	CF6-80C2A8	Belt Loader	46.00			
A310-300	CF6-80C2A8	Baggage Tractor	108.00			
A310-300	CF6-80C2A8	Aircraft Tractor	8.00	340		Stewart & Stevenson TUG T-750
A310-300	CF6-80C2A8	Air Start	7.00	620		ACE 180
A319	CFM56-5B6/P	Lavatory Truck	15,00			Wollard TLS-770 / F350
A319	CFM56-5B6/P	Hydrant Truck	20.00		0.7000	
A319	CFM56-5B6/P	Catering Truck	16.40	210		Hi-Way F650
A319	CFM56-5B6/P	Belt Loader	39.30	107		111-Way 1 000
A319	CFM56-5B6/P	Baggage Tractor	34.40			
A319	CFM56-5B6/P	Aircraft Tractor	8.00			Stewart & Stevenson TUG GT-50H
A320	V2500-A1	Lavatory Truck	15.00			Wollard TLS-770 / F350
A320	V2500-A1	Hydrant Truck	12.00			
A320	V2500-A1	Catering Truck	15,00			Hi-Way F650
A320	V2500-A1	Belt Loader	48.00			
A320	V2500-A1	Baggage Tractor	75.00			
A320	V2500-A1	Aircraft Tractor	8.00			Stewart & Stevenson TUG GT-50H

Page 1 of 42

Table C7-1 Aircraft Hourly Operational Profiles

Table C7	-l Aircraft Hou	rly Operational I	'rofiles	
		di colice		
e di dina				
		12 THE ST		MANAGEMENT
1	0.19	0.03	0.60	0.31
	0.06	0.00	0.50	1.00
<u>2</u>	0.04	0.00	0.39	0.38
4	0.09	0.14	0.38	0.83
5	0.02	0.00	0.38	0.00
6	0.10	0.00	0.28	0.13
7	0.14	0.24	0.27	0.44
8	0.12	0.40	0.41	0.44
9	0.45	0.72	0.52	0.25
10	0.58	0.99	0.57	0.25
11	0.74	0.99	0.75	0.19
12	0.80	0.95	0.77	0.44
13	0.97	0.99	0.80	0.25
14	1.00	0.96	0.71	0.38
15	0.91	0.99	0.71	0.25
16	0.86	1.00	0.79	0.19
17	0.87	. 0.99	0.85	0.25
18	0.81	0.93	0.82	0.44
19	0.78	0.95	0.72	0.44
20	0.73	0.93	0.81	0.50
21	0.68	0.93	0.92	0.50
22	0.51	0.70	1.00	0.50
23	0.49	0.76	0.88	0.50
24	0.25	0.57	0.65	0.50

a. Derived from chock on/off data of year 2000 provided by AAHK.

Table C7-2 Aircraft Daily Operational Profile<sup>a</sup>

a de la composición dela composición de la composición dela composición de la composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela co	/ <i>201</i> 400-0-9			150,000,00			500500004
Weights	0.89	0.87	0.94	0.99	0.98	1.00	0.95

a. Derived from chock on/off data of year 2000. Same profile is used for the Year 2020.

APPENDIX 5F-1

Key Assumptions for EmFAC Modelling

### Technology fraction for EMFAC-HK input

Year	PC+	LGV(1	) pet	rol						
	Inde	X			Percentage					
1986-1991	1	,,,,,			100					
1992	1		8	•	0.3092			99.6908		
1993	1		8		0.3709			99.6291		
1994	1		8		0.4505			99.5495		
1995	1	8	9	10	0.1484	38.	4656	0.589	60.797	
1996	9		10		0.2359			99.7641	<u> </u>	
1997	9	10		13	0.1189		19.75	82	80.1229	
1998	9		13		0.4465			99.5535	Value	
1999	9	13		15	0.323		98.81	55	0.8615	
2000	13		15		98.0571			1.9429		
2001	15		23		1.7455			98.2545		
2002	18		23		0.4479			99.5521	******	
2003	18		23		0.2867			99.7133		
2004-2005	18		23		0.3545			99.6455		
2006	18		24		0.3545			99.6455	··· · · · · · · · · · · · · · · · · ·	
2007-2031	24		28		99.6455			0.3545		

Year	PC+LGV	PC+LGV(3) diesel										
	Index				Percentage							
1986	171		179		35.7143		64.2857	100 a K 100 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M 1 a M				
1987	171		179		17.2414		82.7586	·····				
1988	171		179		24.2424		75.7576					
1989	171		179		27.8481		72.1519					
1990	171		179		15.4639	~~~	84.5361	·				
1991	171	171			44.1176	·	55.8824	·····				
1992	171		179		20.3571	20.3571		79.6429				
1993	171		179		27.6623		72.3377					
1994	171		179		33.3841		66.6159	<del></del>				
1995	171	173	179	181	12.2768	43.5268	22.0982	22.0982				
1996	173		181		62.5		37.5	·l				
1997	173		181		74.4949		25.5051					
1998	173		181		57.7586		42.2414					
1999	175	181		182	1.3699	52.054	8	46.5753				
2000-2001	182				100							
2002	176		183		4.5455		95.5455					
2003	176		183		50		50					
2004-2006	183				100		1					
2007-2031	184			•	100							

Year	LGV4	LGV4								
	Index		Percentage							
1986-1994	1994 179		100							
1995	179	181	28.2443	71.7557						
1996-1998	181	· .	100	1						
1999	181	182	47.2756	52.7244						
2000-2001	182		100	<u> </u>						
2002-2006	183	***************************************	100							
2007-2031	184	***	100							

Year	LGV6	LGV6								
	Index		Percentage							
1986-1994	121		100							
1995	121	122	28.8876	71.1124						
1996	121		100							
1997	122	127	22.3546	77.644						
1998-2000	127		100	· · · · · · · · · · · · · · · · · · ·						
2001	127	128	79.199	20.801						
2002-2006	128		100							
2007-2009	132		100							
2010-2031	133		100							

Year	PLB5								
	Index			Percentag	e				
1986-1994	187			100	100				
1995	187	187   189				79.64	6		
1996-1997	189			100		•			
1998	189	190		75.7225		24.2775			
1999-2000	190			100					
2001	18	190		75.7225		24.2775			
2002	18	190		10.1124		89.8876			
2003	18	190	191	71.5812	5.7692		22.6496		
2004	f.8	19]		56.0		44.0			
2005-2006	18	191		56.0		44.0			
2007-2031	28	192		56.0		44.0			

Year	HGV	7			HGV8					
	Index	Index		Percentage		Index		9		
1986-1994	124		100		155		100	- was a become recovery		
1995	124	125	29.7952	70.2048	154	155	72.6897	27.3103		
1996	125		100		154		100			
1997	125	126	21.978	78.022	154	157	22.2447	77.7553		
1998-2000	126		100	, , , , , , , , , , , , , , , , , , , ,	157	<u> </u>	100			
2001	126	129	75.25	24.75	157	159	84.2345	15.7655		
2002-2006	129		100	• • • • • • • • • • • • • • • • • • • •	159		100			
2007-2009	130		100		160		100			
2010-2031	131		100		161		100			

Year	FBDI	)								
	Index				len en e	Percenta	ae			
1986-1994	217					100		NACE AND SERVICE OF THE SECOND SECONDS	er en mer er elegen er en	
1995	217		219	225		28.6432	******	70.3599	0.9969	
1996	219		2	225		98.6029		1.397	<u> </u>	·
1997	219	220	229	225	227	30.7569	53.9117	4.3603	0.4358	10.5353
1998-2000	220		221	227		78.3516	·	6.337	15.3114	1
2001	220	221	222	223	227	63.0742	5.1014	16.9394	2.5592	12.3259
2002-2006	222 223				86.875 13.125					
2007-2009	224		***			100				
2010-2031	226		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	100	V 100			~

Year	MC	MC									
	Index		Percentage								
1986-1988	263		100								
1999	263	266	73.1777	26.8223							
2000-2031	266		100								

Year	Taxi		and the second	
	Index		Percentage	
1986-2002	13		100	
2003	13	23	64.4578	35.5422
2004-2005	23		100	
2006-2031	24		100	

Year	LGV4								
	Index		Percentage						
1986-1994	179		100						
1995	179	181	20.6349	79.3651					
1996-1998	181	***************************************	100						
1999	181	182	33.3333	66.6667					
2000-2001	182	······································	100	1,000					
2002-2006	183		100						
2007-2031	184		100						

Year	Private	Light Bus>3	.5t				
	Index			Percentag	0		
1986-1994	187			100			
1995	187	189	15.2174		84.78	326	
1996-1997	189			100		-	
1998	189	190	82.1918		17.8082		
1999-2000	190	•		100		•	
2001	18	190		4.8387		95.1613	
2002	18	190		60.7143		39.2857	
2003	18	190	191	50.0	21.052	26	28.9474
2004	28	192		56.0		44.0	
2005-2006	18	191		56.0		44.0	
2007-2031	28	192	•	56.0	***************************************	44.0	

Year	NFB6			
	Index		Percentage	
1986-1994	121		100	
1995	121	122	82.5472	17.4528
1996	121		100	
1997	122	127	24.6862	75.3138
1998-2000	127		100	
2001	127	128	15.0579	84.9421
2002-2006	128		100	
2007-2009	132		100	
2010-2031	133		100	34117

Year	NFB7				NFB8			
	Index		Percenta	ge	Index		Percentage	8
1986-1994	124		100		155		100	
1995	124	125	24.9258	75.0742	154	155	48.7179	51.2821
1996	125		100		154		100	
1997	125	126	28.839	71.161	154	157	25.4902	74.5098
1998-2000	126		100		157		100	•
2001	126	129	81.5287	18.4713	157	159	67.7632	32.2368
2002-2006	129		100		159		100	-
2007-2009	130		100		160	•	100	
2010-2031	131		100		161		100	

Year	FBDD	)								
	Index					Percenta	ge			
1986-1994	217					100				
1995	217		219	225		28.6432		70.3599	0.9969	
1996	219		2	225		98.6029		1.397		
1997	219	220	229	225	227	30.7569	53.9117	4.3603	0.4358	10.5353
1998-2000	220		221	227		78.3516		6.337	15.3114	•
2001	220	221	222	223	227	63.0742	5.1014	16.9394	2.5592	12.3259
2002-2006	222		223			86.875		13.125	5	
2007-2009	224					100				
2010-2031	226					100				

Hourly Relative Hu	midity D	ata (%) ir	Year 20	07	1														ļ			. ]		
		2nd hour		Τ .	f 6th hour	60s hour	7th hour	8th hour	9th hour	10th hou	1 tih hou	12th hou	13th hou	14կի իշկ։	15th hou	16th hou	17th hou	i Sth hou	19th hou	20th hou	21st hour22r	d hou 23:	rd hour24	4th hous
1-Jan-00	76	76	75	79	81 78	80 78	78 79	75 78	68 77	58 75	56 71	60 60	58 56	61 58	51 59	62 65	52 71	51 74	69 70	73 75	69 78	71 80	75 77	71 79
2-Jan-00 3-Jan-00	74 80	77 80	76 82	79 87	92	92	90	85	84	8D	81	76	75	78	76	77	79	60	79	80	75	73	73	74
4-Jan-00 5-Jan-00	75 64	74 65	73 62	75 65	66	76 57	75 69	76 68	74 55	70 63	70 62	67 59	<del>- 65</del> 58	54 52	64 54	62 58	57 59	58 53	59 54	58 52	58 56	59 56	55	60 57
00-net-a	57	58	59	64	63 43	65 43	64 44	64 43	59 41	55 38	51 36	45 34	43 35	39	35 33	35	34 31	35 32	38	34	36 42	34 51	36	34
7-Jan-90 Jan-90	37 36	38 36	40 38	43 37	33	33	34	32	30	30	26	26	25	26	32	33	35	39 37	42 44	43 40	45	38 50	40 56	39 54
9-Jan-00 10-Jan-00	40 47	50 31	53 37	44	39	38 44	35 38	38 44	33 37	27 36	28 37	28 38	29 37	33 43	35 43	33 45	31 45	47	47	49	52	64	65	66
11-Jan-00	64 76	54 76	55 76	65 79	65 80	67 82	66 75	63 74	62 73	51 72	51 77	62 80	61 77	62 75	63 72	70 76	69 74	68 80	71 81	70	71 72	73 72	76	73
12-Jan-00 13-Jan-00	66	73	67	54	64	64	67	66	64	60	56	57	60	58 61	55 60	53 60	55 64	56 6B	60 70	63 69	67 72		80 71	79 76
14-Jan-00 15-Jan-00	80	78	76 76	77	80 77	77 75	76 79	73 79	70 78	58 74	64 70	62 60	63 55	49	- 61	65	71	74	65	52	55	62	70	75
16-Jan-00 17-Jan-00	76 84	78 88	73 90	72 92	69 95	70 94	71 94	67 91	60 91	58 91	96 92	65 92	61 93	59 90	60 91	56 89	61 93	61 88	51 91	56 91	54 87		79 86	81
18-Jan-00	79	82	77	79	77	76	70	68 71	68 71	56	67 68	63 65	62 65	63 66	61 64	51 55	60 66	61 66	63 70	51 72	72 73	79 75	78 76	74
19-Jan-00 20-Jan-00	67 74	73 75	69 75	70	69 85	72 83	71 26	63	B2	80	84	82	79	78	77	76	78	77	77	77	76	79	80	77
21-Jan-00 22-Jan-00	81 85	81 89	81	84 85	83	81 83	B1 84	83 84	85 83	87	88 79	92 79	95 76	93	95 73	91 78	91 79	92 81	94 82	90 83			82	80 87
23-Jan-00	87	88	93 70	88 65	87 65	84 66	82 66	83 65	80 61	80 60	80 57	81 56	81 53	77 53	71 55	71 56	72 55	65 54	65 53	65 63			59 55	66 62
24-Jan-00 25-Jan-00	67 61	70 72	69	62	64	54	65	82	62	60	61	60	58	59 54	57 51	57	59 55	60 49	53 50	64 46	63	73	70 51	51 53
26-Jan-00 27-Jan-00	61 55	70 55	75 60	71 52	64	67 64	58 62	65 62	64 60	65 57	58 55	59 53	55 50	54	51	55 48	43	42	41	44	34	24	23	21
28-Jan-00 29-Jan-00	24 24	27 30	26 25	30 33	32	30 35	29	31 39	30	29	26 20	24 17	21	22 15	22 19	27	32	24 42	29 48	34 41			23 45	37
30-Jan-00	49	51	59	65	63	64	63	64	61	47 25	51 24	47	37 28	37 20	29 35	34 31	27 30	44 39	43 46	39 41			42 43	40 41
31-Jan-00 1-Feb-00	42 44	47 42	46 45	52 55	49 60	56 36	51 30	32	32	30	27	26	23	29	29	35	21	23	26	26	31	24	26	20
2-Feb-00 3-Feb-00	25 71	23 73	28 72	35 77	31 78	32 78	34 77	31 75	27 69	23 60	20 53	22 48	28 45	29 48	24 50	24 55	19 52	27 57	42 63	35 51	52	54	51 53	52 58
4-Feb-00	61 54	66 59	68 65	71 69	76 75	77	70 79	71 54	56 54	45 48	34 45	38 46	37 50	46 53	48 57	46 55	47 63	49 64	46 70	45 68			50 57:	49 71
5-Feb-00 6-Feb-00	75	75	60	81	85	82	85	83	73	65	65	63	60	58	50	60	60 59	60 61	56 58	60 58	63	68	68 58	67
7-Feb-00 8-Feb-00	77 67	78 69	76 63	78 68	76 68	68 74	80 69	80 71	69 61	60 62	56 58	57 45	56 51	53 49	57 45	57 49	<b>5</b> 5	69	75	74	74	74	76	75
9-Feb-00 10-Feb-00	77 84	- 92 90	89 85	88 87	89 89	92 91	91	93 84	89 88	79 83	65 85	62 85	67 83	66 81	63 76	66 76	67 76	73 77	77 76	76 79	82	08	82 79	63 63
11-Feb-00	78	80	80 74	84 77	85 78	84 76	82 81	81 77	82 71	78 70	72 62	72 62	71 62	68 60	66 51	70 64	68 67	71 72	70 74	71 75			73 80	72 <sup></sup>
12-Feb-00 13-Feb-00	71 81	73 84	85	81	81	82	86	79	77	78	73 77	68	65 77	66 76	68 75	57 57	72 70	75 73	80 75	85 72	85	87	86 74	63 79
14-Feb-00 15-Feb-00	85 81	69 60	89 82	90 87	84 85	91 85	89 84	87 82	61	75 82	51	78 85	81	79	76	74	77	78	8D_	ao	79	85	82	85 82
16-Feb-00 17-Feb-00	86 82	88 85	89 83	90 81	91 86	91 81	89 B1	- 87 79	84 75	82 79	78 73	- 82 72	<del>81</del>	77	78 82	78 78	79 74	83 76	83 77	85 73	80	75	76	74
18-Feb-00 19-Feb-00	75 91	72 93	75 92	82 92	87 69	89 91	89 91	B1 88	82 81	85 78	76 77	58 77	69 79	69 78	- 68 - 79	74 82	78 83	74 83	74 85	82			89 84	91 84
20-Feb-00	87	87	87	87	68 88	87	88	83	83 8D	80 80	81 75	74 73	74 74	72 70	72 72	75 71	76 76	79 81	83 82	83 ( 82			86	81
21-Feb-00 22-Feb-00	83 86	58 58	88 88	86 86	B6	85	84	B3 1	64	85	90	86	93	68	83	85	82	82 73	77	75 75	75	74	79 77	82 74
23-Feb-00 24-Feb-00	82 69	77	85 73	75	88 75	85 72	88 70	76 57	71 68	60 71	56 74	59 73	60 76	64 79	66 77	63 80	66 82	83	84	82	81	82	81	82
25-Feb-00 25-Feb-00	83 79	84 76	86 81	94	91 73	89 73	92 73	85   72	50 58	74 66	64 66	57 50	62 52	51 52	61 61	59 55	60 88	64 67	70 67	70 67			77 70	76 72
27-Feb-00	74	74	74 75	74 75	72	74	72 74	- 56 72	60 73	44 69	41 60	54 52	53 60	53 62	55 58	60 63	61 61	69 67	69 70	70 (			73 78	74
28-Feb-00 1-Mar-00	80 81	B4	80	81	B1	81	80	75	79	76	77	79	79 62	72	69 61	68 63	67 53	7t 70	73 74	71 85	71	75	75 83	75 80
2-Mar-00 3-Mar-00	75 82	84	78 85	77 85	75 87	73 88	74 85	72 82	69 74	65 67	64 62	52 58	55	65 52	53	55	60	67	65	72	75	74	74 87	86
4-Mar-00 5-Mar-00	85 81	86 B5	85 82	86 88	90	90 71	87 66	88 j	86 60	89 58	84 56	75 56	75 56	74 61	72 60	78 66	73 68	80 63	79 78	76	80	84	90	77
6-Mar-00 7-Mar-00	91 74	86 74	76 73	72 73	75 74	60 89	62 83	65 84	52 78	63 74	62 75	65 79	60 74	62 73	62 71	62 67	62 70	63 70	63 72	65 72	73	74	75 76	75 77
8-Mar-00	76 85	81 83	81 93	88 92	95 93	92 91	89 91	90 89	90 86	87 82	82 83	79 82	77 85	76 86	77 89	79 84	79 61	83 82	83 84	85			89 85	87
9-Mar-00 10-Mar-00	88	90	90	91	91	89	90	86	89	85 82	82 84	82 91	79	78	78 85	79 84	81	82 83	79 80	87 79			91 82	93 85
11-Mar-00 12-Mar-00	92 85	94 86	96 85	97 86	96 86	96 85	95 85	90	83	82	81	79	77	76	74	76	77	80 75	52 85	81 84	82	82	78 86	B1 85
13-Mar-00 14-Mar-00	62 57	82	B3 B7	85 89	85 88	85 89	85 89	86 86	83 83	79 76	76 73	75 73	74	71 73	73 79	72 81	74 79	83	78	79	82	81	85	79
15-Mar-00 16-Mar-00	80	81 81	83 80	B2 51	88	80 82	83	85 78	79 85	75 80	73 78	75 76	70	70	70 73	74	75 75	77 79	77 78	77	79	78	78 80	76
17-Mar-00	91 78	85 79	90 82	91 80	92 77	90 78	88 79	87 77	- 86 72	85 71	84 71	81 66	81 63	80 65	79 63	78 63	75 65	72 66	70 58	68 67			70 I	79 72
18-Mar-00 19-Mar-00	79	86	91	92	87	92	93 60	91 60	86 57	89 57	83 54	75 52	70 51	70 54	58 53	63 53	59 54	51 48	62 64	59 58			60	63 55
20-Mar-00 21-Mar-00	6Z 63	62 64	61 65	69 69	60 71	60 72	72	71	70	64	60	51	50	51	53	55	54	61	65	68	67	68	71	64
22-Mar-00 23-Mar-00	59 77	71 78	74 77	75 75	76 77	75 76	76 78	69 78	72 76	68 69	68 68	66 64	63 67	61 65	64 65	64 70	63 72	65 73	66 75	77	79	BD	81	78 83
24-Mar-00 25-Mar-00	84 94	86 97	96 97	66 96	85 92	87 95	87 94	85 90	84 84	84 80	77 80	78 77	82 75	88 73	85 69	81 70	83 70	80 72	86 74	98 78	81	81	93 83	91 82
26-Mar-00	83 81	90	91	90 87	89 81	93	92 83	93	92 82	90 72	91 69	88 69	90 64	89 69	84 84	85 83	85 81	87 80	90 82	90 83			88 84	88 87
27-Mar-00 28-Mar-00	84	89	85 84	82	82	87	85	80	76	72	59	54	65	68	67 70	67 69	72	72	75 76	77	78	79	79 82	80 81
29-Mar-00 30-Mar-00	82 85	83	83 89	85 88	85 85	86 85	86 87	82 83	76 76	77	73 68	72 73	76 73	71 70	76	73	72 72	74	75	77	80	81	81	81
31-Mar-00 1-Apr-00	82 80	76 81	71 81	72 80	75 83	74 84	77 82	71 80	69 78	73 75	73 73	71 68	68 67	70 65	69 65	69 67	68 69	71	72 75	78 74	75	74	73 74	81 74
Z-Apr-00	75 76	76	75 57	85	86 70	85 68	85 66	81 67	79 72	84 73	84 75	72 73	84 73	86 73	87 77	87 73	90 75	91 74	87 85	91 87			78 82	84 80
3-Apr-00 4-Apr-00	88	84	86	86	85	86	85	84	81	79	80	78	77 78	78 77	77 78	77	80 83	81 85	80 85	81 88	81	81	8D 84	80 82
5-Apr-00 6-Apr-00	80 82	82	81 85	81 57	86 86	<u>82</u> 88	82 84	80 81	80 84	77 83	79 84	78 83	78	79	79	79	79	78_	78	81	84	86	88	87
7-Apr-00 8-Apr-00	87 92	90 89	94 90	94 83	91 84	89 86	89 84	91 85	84 81	80 81	81 78	80 75	80 69	80 72	78 71	76 71	80 70	78 75	76 70	76 65	67	6B	88 72	88
9-Apr-00	83 72	80 73	75 84	73	77	73 90	64 86	59 84	44	62 76	33 81	35 83	41 88	42 87	43 82	48 80	49 78	52 76	54 80	64 80			73 81	74 78
10-Apr-00 11-Apr-00	79	79	80	82	81	52	83	78	74	69	62	63	63	65	54 25	53 38	53 45	57 45	61 50	57 48	61	65	65 55	57 59
12-Apr-00 13-Apr-00	59 54	73	72 52	75 61	78 59	76 59	49 53	43 51	37 61	29 70	28 64	31 55	32 58	30 49	49	47	46	48	63	64	65	70	75	64
14-Apr-00 15-Apr-00	75 77	76 77	68 79	67 81	71 80	65 77	72 75	72	57 70	58 69	59 66	57 54	55 64	56 65	55 67	58 65	57 65	50 72	67 81	72 80		85	71 84	71 85
16-Apr-00	79 88	85 89	85 83	89 88	86	87 85	86 83	86 80	78 83	72 83	71 81	68 79	60 71	62 67	68 71	65 69	62 78	70 77	71 76	78 77	83 90		B4 B1	76
17-Apr-00 18-Apr-00	75	74	74	69	61	63	62	52	50	53	47	45	42 52	42 53	43 52	44 58	46 57	45 52	33 69	52 59		48 76	52 77	55 75
19-Apr-00 20-Apr-00	68 81	72 60	76 80	75 80	77 81	75 83	68 83	64 78	62 71	58 73	51 68	55 65	67	62	67	66	69	72	78	80	82	83	83	84
21-Apr-00 22-Apr-00	81 83	80 84	81 87	84 87	83	86 87	80 86	72 84	71 80	71 80	71 79	73 72	74 78	76 72	76 70	73 73	77 84	77 76	78 84	76 83		78	83 76	81 75
23-Apr-00	76	77	77	77	75 89	76 89	76 87	87 81	77 81	77 83	80 96	69 95	78 89	55 85	71 87	75 84	71 85	78 87	80	80 91	84 89	85 87	84 79	79 76
24-Apr-00 25-Apr-00	83 77	85 75	87 75	73	70	70	74	71	70	80	81	82	76	88	82 47	78	81 49	80	82 54	81 57	8D 58	82	80 68	76 73
26-Apr-00 27-Apr-00	80 71	80 71	70	80 72	77	78 74	77 74	74 68	63 63	61 57	57 53	52 48	56 50	53 51	52	48 55	53	53 59	55	55	51	65 55	56	54
28-Apr-00 29-Apr-00	59	66 77	62 78	74 78	80 78	78 78	78 76	78 73	73 74	71	64 75	62 74	59 73	59 72	57 71	55 73	55 74	57 80	85 85	73 83	72 81	73 82	76 B2	73 81
30-Apr-00	B1	86	87	88	59 53	85 82	87	88 78	8B 70	88	91 68	87 70	84 65	83 54	77 44	75 42	75 37	76 42	75 61	72 55	75 51	77	75 58	85 66
1-May-00 2-May-00	81 59	83 59	81 67	85 70	71	72	70	73	69	59	54	62	54	48	55	50	41	42	44	66	63	80	78	72
3-May-00	66	65_	68	75	55	70	62	67	59	54	41_	45	58	50	56	51	33	38	47	55	69	74	78	80

				4th hou	501 hour	6th haur	7th hour	Bih hour	9th hour	10th hour	11th hou	12th hou	13th hou	14th hou	15lh hou	16th houd 7	th housieth h	ou 19th hou	20th hous	21st hou/22n 85	d hou/23rd	hou/24th hour
4-May-00 5-May-00	80	78 94	86 92	86 90	87 94	95 95	93	87 89	82 94	83 94	80 95	85 91	85 85	86	89 75	86 76	85 87 73 79		79	87	88.	81 80
6-May-00 7-May-00	81 59	85 62	87 66	84 63	87 63	88 74	68 68	82 62	77 54	62 47	67 50	57 49	36 31	27 27	35 29	36 27	34 34 27 22	48 25	46 31	25	56	55 52 58 70
8-May-00 9-May-00	76 76	78 77	80 77	81 75	82 77	81 78	77	68 67	63 62	59 59	53 55	35 55	24 56	37 56	43 59	61	53 61 65 68	68 70	72		75	75 77
10-May-00	75	75	74	74	75 76	74 75	72 78	68 75	61 72	61 68	59 61	54 57	53 54	53 54	54 55	57 55	61 64 58 61	68 64	70 67			60 65 75 76
11-May-00 12-May-00	69 76	76	77 76	75 77	76	76	76	70	65	64	66	61	61	62	61	61	63 65	87	71	70	72	76 74 76 76
13-May-00 14-May-00	78 75	74 79	78 81	74 79	79 73	77	76 75	64 71	59 66	59 61	64 64	58 58	63 63	65 58	60 60	59 62	59 69	71	75 70	70	67	70 74
15-May-00 16-May-00	74 76	73 78	77 74	77 70	77 79	77	73 77	74 74	66 70	68	59 62	53 57	54 56	58 57	57 58	57	60 71 60 66	75 66	77			79 79 83 78
17-May-00	74	80	70	64 78	75	70	66 79	56 80	64 73	61 71	54 61	45 60	45 50	46 54	48 57	52 61	59 59 65 93	68 91	71 85			78 75 83 88
18-May-00 19-May-00	81 85	74 89	76 87	86	78 84	83 80	79	B1	76	58	63	63	70	59	93	96	93 91	90	87 84	85	81	85 87 84 85
20-May-00 21-May-00	89 86	87 86	89 86	89	93	94	95 89	90 84	92 83	92 81	91 78	91 87	91 88	90 93	91 92	86 93	82 64 91 88	85 88	87	89	90	91 90
22-May-00 23-May-00	90 89	91 90	92 93	96 93	92	94 92	91 91	92 89	88 85	90 84	88 77	93 68	89 62	88 66	84 65	81 70	81 83 74 75	88 77	89 78	78	76	89 87 79 78
24-May-00	79	84 81	81 80	81 79	86 79	85 78	83	79 73	76 69	58 68	62 66	60 72	65 54	54 59	70 54	71 54	77 75 58 63	75 69	76 70	75 74		76 79 77 79
25-May-00 26-May-00	79 75	75	76	BO	78	82	79	77	72	72	71	71	73	71	72	73 91	72 74 87 87		74 85	75	75	81 78 81 83
27-May-00 28-May-00	80 84	82 85_	90 87	84 86	83 87	76 85	75 85	81 78	75 74	70 74	70	83	91	80	93 81	79	78 78	84	78	82	81	83 82
29-May-00 30-May-00	81 81	83 82	86 81	86 81	86	B4 82	79 81	74	67 66	74 63	72 68	71 66	69 68	57 62	61 59	62 63	62 52 65 66	73	73	74	76	79 75
31-May-00 1-Jun-00	76 74	78 78	81 75	81 76	82 78	84 77	90 74	88 75	86 72	82 72	78	72 65	72 59	71	71 59	64	68 74 66 67		76 73			78 73 75 84
2-Jun-00	79	81	84	82	81	53	83	78 72	75	70 76	66 68	63 66	67 61	62 59	55 59	66 65	67 57 65 65	69 70	70 73	72	72	74 75 75 73
3-Jun-00 4-Jun-00	76 75	78 79	76 78	78 81	76 80	76 79	75 75	72	69 71	67	60	61	57	56	51	58	67 72	72	74	73	73	71 72 76 75
5-Jun-00 6-Jun-00	75 79	77 80	79 82	83 75	85 79	86 79	80 76	79 76	65 74	59 74	56 79	63 64	55 61	55 64	57 66	73	68 72 71 73	73	75 75	78	76	78 77
7-Jun-00 8-Jun-00	75 76	77 79	84 79	81 79	85 82	82 80	87 80	85 85	79 89	78 86	79 91	76 88	80 88	78 78	73 80	72 76	75 76 76 82	76 86	79 81	75	78	79 77 80 78
9-Jun-00	77 79	78 78	79 97	80 93	81 95	81 94	79 92	78 86	74 80	71 93	68	70 93	73 93	74 89	76 91	76 90	83 83 84 83	85 83	83			76 78 85 85
10-Jun-00 11-Jun-00	84	88	89	89	85	88	87	82	85	B1	50	79	76 73	77	72	71	77 80 77 78	74 85	76 84	78	76	80 78 87 80
12-Jun-00 13-Jun-00	82 80	84 76	87 80	85 81	87 80	86 80	77	80 76	81 75	83 72	82 71	69	67	67	75	71	72 76	73	75	89	81	\$1 81
14-Jun-00 15-Jun-00	72 91	81 90	75 90	91 91	86 90	81 93	82 95	82 92	81 86	84 85	87 79	77 75	88 82	84 76	81 77	78 72	83 90 73 76	94 81	92 82	82	78	87 69 84 85
16-Jun-00 17-Jun-00	85 85	87	85 86	91 87	84 89	90 92	80	79 80	76 75	74 69	72 69	74 67	70 80	70 54	68 69	74	74 75 76 80	78 79	79 81	81	82	79 79 82 84
18-Jun-00	84	82	85 83	85 81	86	84 88	84 85	79 76	69 74	69 67	67 63	64	61 69	61 62	63	67 64	73 76 62 63	74 68	76 69	77	77	75 74 78 72
19-Jun-00 20-Jun-00	81 84	78	79	79	79	80	B4	75	67	63 65	70 71	71	66	64	58 64	60	60 65 60 63	69 69	66 75	65	64 (	69 72 77 76
21-Jun-00 22-Jun-00	73 74	75 82	76 84	79 79	84	80 79	78 78	77 82	69 75	69	65	58 54	63 64	52	57	62 62	65 68	74	74 72	75	78	77 78
23-Jun-00 24-Jun-00	79 72	78 71	78 77	78 78	76	77	76 78	75 79	73 75	69 70	61 65	53 55	55 58	59 53	57 57	61 56	57 64 62 67	67 68	71	67	69	72 73
25-Jun-00 26-Jun-00	74 72	69 82	74 78	82 80	82 79	82 79	80 75	80 73	76 70	66 73	63	62	58 66	54 63	59 66	65	63 69 71 73	93	72 61	60	80 3	73 75 78 79
27-Jun-00	77	77	78 93	90 92	86 94	86 92	82 94	80 94	78 98	76 91	81 87	80 88	70 85	70 87	68 87	72 83	74 76 78 79	74 81	73 61			39 93 37 82
28-Jun-00 29-Jun-00	54	63	88	95	95	94 88	91 84	88	78 77	78 72	85 81	77 84	73 85	78 73	77	84 80	78 76 88 91	63 88	81 85			31 81 93 91
30-Jun-00 1-Jul-00	85 89	87 86	85 80	88 83	79 90	88	86	75	B3	82	B1	78	73_	84	79	80	79 80	82 88	85 87	86	8 <b>5</b> !	36 81 30 77
2-Jul-00 3-Jul-00	83 78	78 82	78 85	84 86	84	85 83	84 83	83 80	77 75	73 74	72 70	69 65	65 70	64 79	66 75	69 70	69 73	73	78	79	80 Ł	33 80
4-Jul-00 5-Jul-00	79 73	81 80	83 83	80 81	83 74	80 78	69 79	73 78	69 74	64 74	65 75	65 73	65 76	66 73	64 76	72	56 70 77 83	78 81	78 81	78	78 8	30 78
6-Jul-00 7-Jul-00	79 B1	76 78	77 78	79 75	81 80	84 79	85 65	85 74	82 67	73 67	78 64	73 60	76 62	76 58	71 59		69 66 62 69	75	72	78	75 3	76 74 78 75
8-Jul-90	79 73	77 76	75 78	79 80	81 79	75 72	71 72	74 71	76 66	74 67	70 70	67 65	63 60	54 57	63 53	56 58	70 69 60 68	71	74			72 74
9-Jul-00 10-Jul-00	75	74	60	80	78	79	76 77	72	73 71	67	55 58	57 58	54 62	51 60	56 60		59 62 61 63	69 58	67 73	68	70 7	71 73 75 75
11-Jul-00 12-Jul-00	74 76	76 75	77 78	76 79	77 84	78 81	78	76	72	67	66	59	\$3	53	54	57	53 57	64	67	66	53 (	33 73
13-Jul-00 14-Jul-00	72	75 78	76 74	75 78	79 78	78 80	79 75	74 69	70 67	67 65	64 61	59 60	60 53	57 56	56 55		60 62 65 66	69 56	72 70	73	74	71
15-Jul-60 16-Jul-00	73 83	74 B4	76 93	74 85	74 80	83 81	82 82	73 79	<u>72</u>	74	67 67	51 65	69 61	67 62	80 64		67 69 66 68	73 71	69 75	76	77. 7	73 B5 74 72
17-Jul-00 18-Jul-00	84 74	74 75	71 75	74	79 77	76 78	77	73 73	72 71	69 64	67 66	69 56	66 65	8D 67	70 63		69 68 71 71	71	75 73			11 74 74 75
19-Jul-00	82 74	76 75	79 75	75 75	76 77	77	74 76	71 69	69 70	64 67	65 69	60	63 59	61 61	59 61	62	65 68 66 67	71	73 74		72 7	73 75 77 77
20-Jul-00 21-Jul-00	78	76	79	76	76	79	75	67	67 76	65 70	63 65	61 61	57 56	58 55	59 54	65	61 64 49 59	72 63	71 67	73	75 6	8 75 5 76
22-Jul-00 23-Jul-00	78 72	77 75	79 81	78 81	82 80	80 79	80 76	77	67	66	65	60	53	53	52	53	55 61	67	69	68 (	59 7	0 71
24-Jul-00 25-Jul-00	70 75	75 71	79 73	80 76	80 76	80 77	77 76	73 72	71 70	63 59	57	57 57	60 55	62 52	58 57	58	62 64 60 61	69	67	65 (	8 7	71 73
25-Jul-00 27-Jul-00	69 72	71 67	69 70	<u>71</u> 71	71 75	73 79	74 76	67 71	64 63	66 70	64 68	62 64	59 63	54 55	58 49	57	58 66 55 60	69 68	73	70 7	76 7	8 70 3 75
28-Jul-00 29-Jul-00	79 75	77	80 78	81 79	82 80	81 79	82 82	74 91	68 73	55 62	55 56	53 63	51 62	49 62	48 58	58	51 62 58 67	65 72	69 69	71 7	74 7	75 71 71 69
30-Jul-00 31-Jul-00	75 73	76 77	78 78	78 77	80	82 76	79 75	76 70	67 69	66 69	63 67	64 60	51 52	59 56	53 57	55	57 63 60 61	69 66	73 72		70 7 i8 7	2 73 2 73
1-Aug-00	73	73	76 78	76 79	73 77	76 80	77	74	69 70	67 63	66 61	60 54	59 52	52 52	59 51	62	64 62 53 57	63 64	70 69	68 8	7 7	71 71 8 70
2-Aug-00 3-Aug-00	72 72	69	71	77	77	70	70	67	59	60	64 57	61 55	52 59	48	47 51	53	61 64 59 58	65 64	67 67	71 7	70 7	73 73 74 73
4-Aug-00 5-Aug-00	75 74	77 78	78 78	80 81	61 79	78 79	76 75	72	62 69	63	61	62	65	59	51	50	58 65	76	68	73 7	75 7	7 71
6-Aug-00 7-Aug-00	74 84	78 89	88 87	93 85	59 85	66 68	85 85	85	83 83	89 78	85 87	76 71	69 67	75 61	70 61	59	90 84 63 67	86 70	F12 72	74 7	4 7	6 88 4 76
8-Aug-00 9-Aug-00	80 95	84 92	81 89	80 92	79 84	83 88	82 87	82 86	78 90	73 90	69 89	66 87	62 89	61 86	56 84	90 \$	87 89 83 87	86 86	84 85	85   8	34 8	94 6 85
10-Aug-00	84 92	84	88	91	87 91	87 89	89 87	92 86	92 85	90 82	85 87	93 87	89 83	90 84	91 85	88	88 85 96 95	89 94	78 90	77 8	10 8	4 92 4 88
11-Aug-00 12-Aug-00	83	82	90	91	90	91	92	92 69	91	90	92 79	92 75	91 64	87 61	88 67	89	89 90 71 74	89 76	89	86 . 8	16 S	7 79
13-Aug-00 14-Aug-00	87 74	89 80	93 89	93 95	93 97	93 96	94	92	85 92	85 90	88	86	88	88	89	91	55 56	87	85	58 88	19 5	0 90
15-Aug-00 16-Aug-00	88 80	91 78	89 84	87 83	85 80	83 79	80 80	79 74	77 87	73 82	74 78	72	68 78	68 85	70 85	92	72 57 94 95	87 94	88 93	88 9	3 6	5 86 9 90
17-Aug-00 18-Aug-00	81 85	85 85	89 79	94 81	87 78	87 82	89 84	88 85	81 81	80	91 73	63 68	80 67	68 61	68 62	59	68 70 59 62	74 61	73 66	80 8	5 8	5 83 9 89
19-Aug-00 20-Aug-00	83 78	87 85	83	85 83	84 82	80	81 84	78 80	71 83	58 86	65 81	62 77	60 73	59 70	60 73		63 64 76 80	65 81	71 71			3 76 1 81
21-Aug-00	62	80	78	78	79 82	86	85 80	85 76	86	85 85	79 79	72 51	71 83	69 82	69 87	71	68 75 76 78	76 79	76 80	76 7	5 7	7 78 8 79
22-Aug-00 23-Aug-00	77	78 76	78 76	78 83	83	83	79	78	72	72	75	74	75	74	74	79	72 78	78	80	81   8	2 8	2 83
24-Aug-00 25-Aug-00	81 79	81 79	89 84	86 82	89 81	B8 B2	87 77	83 77	76 68	70 74	71 69	71 72	68 67	65 67	68 75	79	70 71 76 75	70 75	69 77	86 8		4 79
26-Aug-00 27-Aug-00	80 76	79 81	85 85	84 84	86 84	86 83	79	83 85	B2 79	79 73	78 72	75 64	71 62	65 63	63 85		67 70 72 74	71	73 93			0 78 5 80
28-Aug-00	66	86	83	83	85	84 85	83	77	74 74	72 68	71 65	69 72	68 74	63 74	62 65	64	65 68 69 71	75 75	78 75	79 7	9 8	5 84 7 79
29-Aug-00 30-Aug-00	84 81	84 52	84	86 81	86 82	87	86	76	70	73	69	71 58	70	60	61	61	69 73 62 71	75 73	75 72	74 7		4 76
31-Aug-00 1-Sep-00	75 70	78 72	80 76	79 79	79 80	79 81	76 80	72 76	67 72	69 72	64 68	61	55 56	67 56	57 57	58	62 69	70	67	66 7	3 5	3 66
2-Sep-00 3-Sep-00	70 78	72 82	72 72	74 75	77 82	77 85	75 80	77 78	74 73	72 69	78 76	82 75	75 68	74	75 74	74	72 73 68 70	76 78	78 78	75 7	8 8	0.80
4-Sep-00 5-Sep-00	80 91	82 88	86 86	87 80	83 84	88 77	91 74	90 75	89 70	85 68	82 62	80 60	77 65	77 65	74 65		74 79 60 63	82 64	63		0 9	
	المحنتسم																					

		2nd hour 3rd h					616 harrel	Olk barrel	10lb band	1115 6-14	12% have	Talk house	Mih hou	16th bout	16th hour	17th hou	HBIA houd	19th hous	20th hour	21st hour	2nd hou	23nd hous	24th hour
6-Sep-00	151 hour 68	2nd hour 3rd h	our 4th hour 66	5th hour	68 68	7th hour	57 57	64	63	63	61	60	51	60	59	54	63	04	93 1	97	05	-,,	14
7-Sep-00	70	71 75	74	77	77	75	70	63	66	60	59	56	64	66	65	57	66 64	65 68	68 74	70	70	73	71 76
8-Sep-00	77	80 79 79 80		78 78	82 78	77 76	75	72 69	65 70	59 65	57 68	50 68	53 69	67	56 64	60 66	70	69	68	73	74	76	75
9-Sep-00 10-Sep-00	79	77 79	78	78	79	76	72	70	67	63	63	60	51	61	63	58	67	69	73	72	69	74	74
11-Sep-00	73	75 76		75	77	76	71	54	60	56 j	54 46	51 46	52 45	60 47	60 49	53 51	67 56	70 65	71	70	74	72	73
12-Sep-00 13-Sep-00	94 74	87 58 76 76		83 69	79 67	71 61	50 52	52	51 47	41	37	39	40	41	51	51	54	57	57	55	56	58	58
14-Sep-00	63	69 67	65	64	77	64	57	65	61	57	55	54	53	50 54	57 58	55 70	57 53	62 61	64 61	65 71	65 68	70 68	67 75
15-Sep-00 16-Sep-00	73	69 71 75 79		76 84	70	70 69	72	73 65	72 60	72 54	56 70	53 62	56 72	63	65	69	69	76	75	74	74	79	76
17-Sep-00	76	79 85	82	82	81	82	76	68	64	62	66	61	60	56	52	57	61	66	66	66	70	66	56
18-Sep-00	61	65 65		51 67	49 62	50 61	56 61	53	43 57	42 54	49 52	44 51	45 52	50	45 50	50 55	50 55	53 58	50 48	54 49	52 44	55 1 40	57 40
19-Sep-00 20-Sep-00	55 43	55 57 45 44		43	44	43	43	43	43	43	42	41	42	45	54	50	53	51	51	51	56	54	57
21-Sep-00	53	63 65	56	65	60	56	55	53	52	48	52	50	56 50	54 50	59 50	56 50	57 50	59 53	55	56 55	52 55	69 56	62 58
22-Sep-00 23-Sep-00	59 59	65 54 60 51		73	63 68	71	62 72	57 77	55 80	50 79	51 78	- 50 72	76	58	71	73	83	79	83	84	85	88	89
24-Sep-00	90	93 94	85	83	88	90	84	90	89	92	67	81	85	93	90	85	85	83	84	83	87	83 80	82 80
25-Sep-00	83	82 84 80 79		86 81	87 81	86 78	72	86 65	83 63	74 65	77 64	84 55	84 48	83 50	81 49	78 50	78 62	83 52	81 64	80 67	71	73	74
26-Sep-00 27-Sep-00	75	77 79		78	79	79	73	69	65	58	55	54	64	62	63	63	66	71	73	71	74	77	76
28-Sep-00	77	77 77		78	75	77	72	68	63	59	56 64	58 59	55 57	59	65 64	55 55	67 64	68 62	71 62	72 64	75 68	76 69	76 70
29-Sep-00 30-Sep-00	75 75	79 77 75 77		79 82	79 82	76 80	70 72	64 66	66 62	59	49	48	49	48	50	53	58	71	73	73	71	71	71
1-Ocl-00	72	74 73	70	69	67	67	65	60	58	57	52	53	54	54	55	63	69	70 88	74	72	79 78	65 63	64 86
2-Oct-00 3-Oct-00	65 81	78 87 81 88		85 85	82 84	74 86	75 86	70 87	69 85	68 81	68 74	70	68 70	75 71	86 73	80 72	72	74	81 72	81	79	79	75
4-Oct-00	76	73 75	75	72	73	72	67	63	57	55	55	50	53	66	67	67	71	70	71	67	66	69	71
5-Oct-00	75	76 77		79 76	83 82	84	80 ( 71	78 71	75 64	73 62	70 57	69 55	54 48	63 47	58 46	55 51	60 55	61 54	59 54	62 64	67 71	68 71	71 69
6-Oct-00 7-Oct-00	72	81 79 67 74		65	69	68	64	58	55	52	49	52	48	47	45	50	49	54	58	61	60	59	50
8-Oct-00	61	63 51	67	71	71	72	72	72	70	70	69	67	54 41	63 43	55 44	62 46	55 47	58 49	53 51	61 51	59 49	58 49	61 52
9-Oct-00 10-Oct-00	59 80	57 60 75 57		63 57	61 58	59 58	54 58	51 55	48 54	47 53	43 52	41 53	41 53	53	57	59	63	65	64	65	67	82	81
11-Oct-00	80	79 76	75	73	73	71	68	67	64	62	53	56	57	59	59	58	65	68	70	74	75	75	76
12-Oct-00 13-Oct-00	77 65	77 79 84 59		77 60	78 62	76 64	76 60	71 60	71 58	71 51	68 52	84 55	79 53	77 53	76 54	73 53	72 71	72 71	70 79	70 71	71 72	70 74	68 73
13-Dct-00	74	72 72	74	75	82	79	75	66	61	58	56	54	55	54	55	- 55	56	59	58	67	65	57	58
15-Oct-00	59	59 61	63	62	62	63	59 57	58 53	55 54	54 50	52 48	53 46	51 45	52 48	50 42	51 43	52 45	54 47	56 48	56 50	55 53	55	56 53
16-Oct-00 17-Oct-00	58 53	58 58 54 52		60 53	50 50	50	49	47	44	46	47	45	45	44	46	55	58	55	57	62	62	65	54
18-Oct-00	61	74 69	71	62	64	65	64	64	59	56 38	55 36	55 35	45 31	50 40	55 35	60 29	61 33	52 34	52 36	53 33	54 32	65 32	68 34
19-Oct-00 20-Oct-00	72 39	74 75 43 41		79 46	77 51	58 53	48 41	46 40	40	38 38	39	38	39	45	49	51	55	60	62	60	61	63	63
21-Oct-00	67	69 67	70	69	71	69	59	51	49	47	46	46	47	54	50 57	52	67 62	62 57	63 68	66 65	67 63	67 69	66 69
22-Oct-00 23-Oct-00	68 73	72 72 71 74		72	75 78	75 74	68 69	67 61	59 59	52 54	52 54	52 51	54 60	56 57	57 59	59 61	66	67	71	. 71	71	71	71
24-Oct-00	72	72 71	58	66	67	65	59	55	55	50	45	45	44	52	58	55	65 50	68	71	72	75	74	72
25-Oct-00	75	75 76 75 77		74 78	76 80	78 83	74	69 65	70 59	61 55	59 59	56 54	61 51	50 49	59 52	50 59	69 63	56 56	65 65	70 55	66 88	70	72
25-Oct-00 27-Oct-00	76 74	74 73		75	75	75	72	62	59	59	58	51	60	60	63	64	70	74	75	76	72	74	79
28-Oct-00	76	78 77	74	73	75	74 69	69 54	54 59	62 59	63 46	59 44	60 39	63 40	61 41	64 45	64 56	69 68	74 58	74 68	75 70	71 71	71 72	71 69
29-Oct-00 30-Oct-00	73	74 74 75 73		76 79	71	78	78	72	57	65	- 60	59	58	60	58	65	89	B5	88	84	83	87	85
31-Oct-00	91_	89 88	87	90	91	90	85	84	62	78 92	73	73 87	68 85	68 08	69 80	75 B3	76 81	85 BO	84 81	91 81	89	87 77	72
1-Nov-00 2-Nov-00	91 69	90 <u>91</u> 80 89		89	89 79	91 72	92 68	69 69	71	64	- 60	59	56	58	58	58	59	57	55	54	55	57	57
3-Nov-00	55_	53 54	54	54	54	64	53	50	50	50	49 42	49 39	45 35	45 41	46 42	46 52	57	57 56	52 57	51 50	51 60	63	55 65
4-Nov-00 5-Nov-00	53 67	55 56 49 47		54 45	55 44	53 44	45 43	42 43	42	<del>43</del>	45	43	43	44	35	37	37	38	39	42	42	41	43
6-Nov-00	45	47 47	48	49	50	50	51	49	48	45	45	46 49	45 50	53 52	47 50	45	49 48	48 46	48 49	50 50	49 51	48 61	48 59
7-Nov-00 8-Nov-00	54 79	51 51 79 67		51 70	49 66	49 71	49 77	48 -73	74	47 76	50 73	71	63	65	69	64	66	69	67	67	67	67	63
9-Nov-00	82	80 64	58	52	52	53	49	47	43	49	48	45	43	47	41	42	60	53	59	70	74	74	70
10-Nov-00	75 75	73 74 73 73		71	78 73	79 69	59 66	67	62 62	46 58	44 57	42 56	44 53	47 52	49 56	58 57	63 63	65 65	64 69	70 69	72 73	73	75 73
11-Nov-00 12-Nov-00	73	73 72	72	72	71	71	67	61	57	55	49	46	56	57	52	53	61	67	68	69	71	59	71
13-Nov-00	70	70 71		72 76	71	71 76	63 71	53 65	57	41 \$2	35 49	39 45	40 45	51 60	53 59	53 56	61 56	81 56	58 63	68 73	66 74	72 70	74
14-Nov-00 15-Nov-00	73	73 75 77 78		75	73 75	72	68	60	58	55	55	59	58	55	46	53	65	68	67	70	72	58	64
16-Nov-00	64	70 71		69 78	71 75	68 75	65 69	64 65	57 60	53 58	50 57	49 53	47 51	50 62	49 63	67 65	63 72	64 71	61 66	71	6B 70	71	77
17-Nov-00 18-Nov-00	78 58	79 78 73 77		80	79	71	70	66	51	59	57	57	54	55	55	57	59	59	59	59	60	62	58
19-Nov-00	65	66 65	66	65	64	54	62	60	61	59	55	56	56 49	57	58 47	59 44	62 53	67 53	51 53	53 62	55	55 62	58 63
20-Nov-00 21-Nov-00	61 66	61 51 54 56	55	51 54	61 51	61 55	56 48	52 46	50 43	47	46 42	46 40	49	47	52	54	57	58	67	71	70	71	73
22-Nov-00	71	71 73		77	76	59	56	54	51	49	46	47 45	44	46 39	49 41	59 40	61 42	63 55	66 66	69	71	71 71	71
23-Nov-00 24-Nov-00	71	75 77 77 80		81 55	69 53	53	51 52	55 52	50 45	46 45	47 44	43	41	42	44	50	58	64	68	67	67	69	70
25-Nov-00	71	74 74	74	76	77	76	72	68	50	49	49	44	54	56	51	59 53	58 56	52 56	50 55	52 56	51 51	51 51	50 51
25-Nov-00 27-Nov-00	55 51	52 52 51 47		56 46	56 46	54 44	53 43	53 40	53 37	51 35	50 32	46 27	47 25	51 33	51 35	35	27	25	24	20	19	20	21
28-Nov-00	24	26 29	28	27	25	23	23	25	26	25	25	24	23	20	18	. 17	18 37	23 37	22 40	26 47	28 34	23	22 29
29-Nov-00	23 36	31 41 38 41		45 44	41	36 46	38 45	31 38	27 39	26 42	27	26 25	27 41	30 41	29 36	33 36	44	47	56 56	52	65	56	68
30-Nov-00 1-Dec-00	71	71 71	73	74	71	70	68	59	56	57	53	60	57	59	52	60	62	67	67	68	71 75	71	72 71
2-Dec-00 3-Dec-00	77	75 78 71 74		76 52	77 58	77 56	57 50	60 47	48	59 39	6D 39	57 38	52 42	50 46	50 49	55 52	57 52	63 54	52_	64 61	62	64 60	51
4-Dec-00	68	65 65	56	63	62	56	50	45	43	45	42	40	42	41	38	39	54	53 58	66 59	62	68 58	70	71 59
5-Dec-00	72 51	73 73 53 63		52 63	63	63	47 60	46 57	47 52	46 53	45 52	44 54	45 52	52 58	55 53	55 59	56 61	58	59 67	62 59	69	58 68	67
5-Dec-00 7-Dec-00	58	71 70	73	72	60	51	49	46	44	44	45	50	50	52	51	58	58	60	61	64	63	65	73 72
6-Dec-00	72	72 59 73 75		73 75	73 75	72 75	69 70	64 67	60 62	55 67	54 55	48 56	46 62	49 62	52 62	51 68	59 68	63 68	69 70	72 70	72	72 73	73
9-Dec-00 10-Dec-00	72	73 71	76	77	79	77	75	71	68	60	57	58	54	55_	65	65	64	59	62	56	61	65	67
11-Dec-00	70	72 75		86 73	77 76	77	68 76	59 59	52 52	50 61	53 62	55 61	52 61	57 57	57 61	60 65	64 68	62 69	63 69	62 73	72	74	63 82
12-Dec-00 13-Dec-00	53 84	91 55		89	68	84	91	89	78	67	63	62	61	52	64	66	68	64	57	63	58	67	74
14-Dec-00	78	76 69	68	67	67	66	65	63	54 68	61 53	59 55	59 64	58 65	59 63	59 67	63 67	72 67	75 72	76 73	76	74	73	75 74
15-Dec-00 16-Dec-00	72	73 73 73 71		73	78 74	78 74	76 72	70 67	65	53 59	62	60	61	58	60	53	64	72	73	74	73	71	71
17-Dec-00	69	70 70	76	73	56	55	68	67	62	53	52	49	55	57 59	58	55 67	64 74	73 74	80 72	73 78	77 78	69 79	67 78
18-Dec-00 19-Dec-00	58 79	72 73 73 82		75 72	83 72	84 72	81 70	78	71	60 71	64 82	65 78	62 72	68	65 68	69	70	70	68	72	70	71	69
20-Dec-00	69	57 68	71	76	76	77	75	72	74	67	65	63	58	59	59 67	54 71	70 84	68 83	69 81	72 79	74 78	70	75
21-Dec-00	77	77 73 84 84		71 87	72 87	73	73 83	66 77	53 72	64 70	64 67	60 76	62 68	64	67 70	71 72	67	70	71	79 73	78 79	79 79	78 82
22-Dec-00 23-Dec-00	82	89 92	92	89	89	89	92	90	92	91	87	92	86	85	82	80	81	82	86	90	91	94	93
24-Dec-00	93	95 96	95	93	90	89	87	82 68	79 65	77 64	65	74 64	77 64	70 64	71 54	70 64	71 65	70 65	71 63	66 71	64	69   78	70 67
25-Dec-00 26-Dec-00	73 58	72 70 76 68		71 59	70 67	-71 -70	72	68	63	57	57	50	49	50	53	58	64	70	72	73	74	74	74
27-Dec-00	71	75 70	71	74	76	76	74	70	57	59	58	60	62	63	51	63 61	64 54	67 68	68 68	69 73	69 77	69 75	70 74
28-Dec-00	74 72	73 76 73 65		77 68	79 70	81 68	76 67	68 67	65 65	73 63	65 63	67 59	55 59	63 55	51 51	54	55	55	55	53	55	57	57
29-Dec-00 30-Dec-00	58	56 58	58	57	56	57	54	49	45	42	38	38	35	33	32	31	32	32	32	32	33	34	34
31-Dec-00	40	39 39	38	37	39	39	37	34	31	28	27	25	22	22	21	23	25	29	25	31	31	29	31
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	1st hour	2nd hour	3rd hour	4th hour	5th hour	6th hour	7th հեսո	8th hour	9th hour	10th հօս	11կի հօս։	12lh hou	13th hou	14th hou	15th hou	16th hou	17կի հոսն	18th how	19th hou	20th hou	21st hou	22nd hou	23rd hou	24th hou
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Hourly Averaged F	(elative F	2nd hour	3rd hour	4lh hour	5th bauc	6th bour	7th hour	8th hour	9th hour	10th hou	11th hou	12th hou	13lh hou	14th hou	15th hou	16կի հետ	17կի հետ	18th hour	19th hou	20th hou	21st hou	22กป ทอบ	23rd hou	24th hou
12 months RH	1 /2( 11001	2470 714-01	4.4 7,04.	76317241	411111001	<b>V</b> ,,									T	l	<u> </u>			L		·	L l	
average 4yr (%)	74.1	75.2	75.8	75,4	76.5	76,3	75.3	72.6	69.2	66.7	64.6	52.8	61,6	61.2	61.6	62.2	63.7	66.5	68.8	69.7	70.7	71.6	72.5	72.6
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Month Jan	<del>                                     </del>	<u> </u>		-	-	├	<b> </b>							-	<del> </del>									
average 4yr (%)	63.4	65.5	65.5	65.7	56.7	66,8	66,1	65.1	62.5	60.0	58.8	57.1	55.9	55.0	55.4	56.2	57.2	58.3	59.9	59.9	60.1	62.0	62.4	61.1
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Month Feb average 4yr (%)	74.6	75.1	77.1	79,1	79.8	78.7	78.8	75.3	71.4	67.6	63.7	62.7	63.4	63.3	63,1	64.3	65.0	68.2	70.1	70.2	71.6	71.9	72.7	73.5
average 4yr (%)	74.0	70.1		73.1	73.0	10.7	15.5	70.0	7 1.7	00		<del></del>			1				1017					
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Month March											75.5			70.0	70.0	74.4	74.7	73.0	75.0	76.3	77.8	78.8	80.1	79.5
average 4yr (%)	80,9	82.6	82.7	83.3	83.5	0,68	82.7	8.08	78.5	75.7	73,5	72.0	70.9	70.9	70.B	71.1	71.3	13.0	75.2	76,3	1//-	/0,0	60.1	/9.3
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Month Apr						_									Ì									
average 4yr (%)	77.6	78.9	78.4	79.9	79.8	79.5	77.2	75.1	71.8	71.5	69.7	67.4	67.2	66.5	66,3	66.3	67.9	69,8	72.3	73.9	73.9	75.6	76.2	76.0
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Month May										<del>                                     </del>						<del></del>				1	<del> </del>	<del></del>		
average 4yr (%)	78.0	79.3	80.5	80.1	81.0	61.3	79,6	75.6	72.1	69.5	66.5	65.7	63.2	62.8	63,9	63.7	64.0	57.1	71.0	72.5	72.7	75.0	77.1	77.5
1	10.0																							
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Month Jun	79,3	80.5	82.2	B3.6	83.4	83.7	82.0	60.0	76.2	74.4	73.3	70.8	70.1	67.9	68.6	69.8	71.5	74.2	76,7	77.1	77,4	77.2	79.0	79,1
average 4yr (%)	19.3	00.3	0£.Z	03.0	03.4	- 00.,	55,4			-/3:3-		10.0		2,,0			7.77	, .,~				1		
	t —									<u> </u>	-													
Month Jul							اسبيبا											60.0	74.0		73.2	73.7	74.0	74.5
average 4yr (%)	76.4	76.5	77.9	78.2	79.2	79.3	78,6	74.5	71.1	67.9	65.9	63.0	61.4	61,6	60,2	61,7	63.5	8.79	71,2	73.0	13.2	13.7	74,5	14.5
	<del></del>									<del> </del>					<del> </del>									
Month Aug																								
average 4yr (%)	80.5	81.7	83,5	84.6	83.7	84.1	83.1	80.8	78.4	76.4	75.0	72,4	70,3	68.2	58.9	70.0	72.4	75.0	76.6	77.3	78.5	78.9	80.5	80.9
	<u></u>					<del></del>				<del>                                     </del>			<del></del>							$\vdash$	<del> </del>			
Month Sept		-								<u> </u>														
average 4yr (%)	72.4	73.8	74.7	74,0	75.2	74,5	72.6	69.9	66.9	64.4	62.5	61.2	58.3	59.8	59.7	61.1	62.4	64,7	67.2	68.2	59.0	69,9	70,5	71,0
															<del> </del>					<b></b>	<del> </del>			
Month Co.							-			<del>                                     </del>		<b> </b>			<del></del>	<u> </u>				<del></del>	<del> </del> -	<del> </del>		
Month Oct average 4yr (%)	70.1	71.0	70.8	71.1	71.0	71.5	70.6	66.6	62.8	60.1	57.2	55.0	54.2	54.2	55,5	56.2	58.5	62.9	64.7	65.7	67.0	67.2	68.0	68.0
	,,,,,														Ĺ									
							_==															<del>                                     </del>		
Month Nov	62.0	64,0	64.4	64.4	63.3	62.2	61.0	57.8	54.4	51.6	50.3	48.2	46.8	47.3	49,5	48.7	51.1	55.2	56.0	57.0	59.7	60.1	60.8	60.4
average 4yr (%)	63.8	04,U	D4.4	54,4	03.3	02.2	01.0	J. D.				-40.2	70.0	47.0	73.3	70.1				- X.W.				
Month Dec																								
average 4yr (%)	71.8	72.5	72.0	72.3	72.2	71.5	70.9	68.7	64.6	60.9	58.9	58.0	57.9	57.0	57.1	57.7	59.6	62.7	64.8	65,3	66.9	68.3	68.2	69.2
							7													L .	l	i		

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Hourly Temperatu	re Data (°C) in Yes	r 2007	<u> </u>				Į												
	1st hour 2nd hour	3rd hour 4th hour	5th hour 6th ho					12th hou	13lh hou	14th hou				18th hou:			21st hour!		23rd how 24th hour
1-Jan-00 2-Jan-00	18.5 18.3 19.5 19.1	18 17.4 19.1 18.9	16.9 17.3 18.8 18.8			19.7	21.4	21.1 21.3	22.2 22	21.9	21.7	21.5 20.2	21.8	21.2 19.8	20.3	19,8 20	20	19.2 19.9	20 20 19.9 19.6
3-Jan-00 4-Jan-00	19,5 19.5 17.9 17.9	19.4 19.2 17.3 15.6	18.6 18.7 16.2 15.8	18.7 19.1 15.9 15.1		20.4	19.9 16.7	20.8 17.1	20.9 17.4	20.5 18.1	21.3 18.4	21.3 18.5	20.9 18.5	19.7 19.1	20.2 18.2	20.4 17.9	20.2 17.2	19.9 16.5	19.6   19.2 16.5   16.3
5-Jan-00 5-Jan-00	15.3 14.9 14.7 14.1	14.7 14.6 13.7 13.1	13.8 13.1 12.6 12.2	12.7 12. 11.9 11.1	13.3	14.3 13.7	15.1	15.6 16.1	15,2 15,8	17,9 17,6	18.2 17.1	17.5 17.4	17 <u>.9</u> 16.9	18.3 16.2	18 15.4	18	17.1 14.1	16.3 13.5	15.6 15.1 13.3 13
7-Jan-00	12.5 12.1	11.6 11.5 12.2 12	11.4 11.4 11.8 11.2	11,4 11,1 10,6 10,2	11.9	12.5	13.7	14.4 13.9	15.2	16 15.8	17 15.8	15,9 16.1	16.8 16.2	15.5 15.7	16 14.1	15.5 15	14.3 14.1	12.6 14.6	14.4 14.4 13.4 13
8-Jan-00 9-Jan-00	13 12	11.4 12.5	12.1 11.7	11.5 11.6	12.5	14	14.5	15.5	16,2	16.5	16.3	16.5	16.8	15.7	14.2 17.5	15 17.6	14.9 17.6	14.6	13.6 14
10-Jan-00 11-Jan-00	14.4 15.4 17.4 17.5	15.1 14.6 17.4 17.4	14.8 14.8 17,5 17,3	15.2 14.5 16.8 17	17.5	16.7	17.1 15.8	17.7 18.5	18,1 18,9	18,7	18.6	17.2 17.5	18	17.2 18.4	18.6	18.9	18.8	18.6	18.3 18.6
12-Jan-00 13-Jan-00	18.4 18.1 15 15.1	18 17.9 15.8 15.7	17.8 17.6 15.4 15.4	15.2 15.2	17.9 15.9	17.9 15.8	17.7 18	17.7 18.3	18 18	18.5 18,8	18,8 19,4	18.7 19,9	18.5 19.4	17.9 18.6	17.6 17.5	17.8 17.3	17.2 17.4	16.9 17.8	16.4 16.5 17.5 17.4
14-Jan-00 15-Jan-00	17.5 17.4 17.9 18	17.4 16 17.9 17.7	15.6 15.4 17.5 17.9			15.5 18.6	17.5 19.6	18.2 20.8	18.7 21.8	18.5 23,3	19.1 21.9	19.3 21,3	18.4 20 22.9	17.8 19.7	17.7 20.1	18	17.4 25.1	18.5 20.2	17.7 18,2 19.5 19.6
16-Jan-00 17-Jan-00	19.3 19.3 20.4 20	19.2 19.1 19.9 18.9	19.3 19.5 18.7 18.4	19.3 19.5 17.7 17.5		20.3 17.2	20.9 17.3	21.1 17.2	22.5 16.6	22,9 15,3	22.8 15.3	23,4 15.8	22.9 15.2	22.5 15.4	22.7 14.6	22.9 14.3	22.7 13.8	22.2 14.1	21.5 21.4 13.5 13.9
18-Jan-00 19-Jan-00	14 13.6 16.2 16.1	13.6 13.5 16 15.9	13,4 13.3 15,8 15	13,3 13,2 15,1 15,1	14	14.7 15.5	14.9 15.5	15.8 16.1	15.4 17	16.8 17.1	17.2 17.3	17.9 17.1	17.9 17	17.5 17.3	17.5 16.5	17.7 16.8	16.4 16.6	15.8 16.4	16.1 16.2 16.5 17.6
20-Jan-00 21-Jan-00	17 16.9 17.1 17.2	16.8 16.5 17.1 16	15.9 16.4 16 16	16 16.4 16.2 15.5	17.5	17.7 15.6	17.5 15.3	17.9 15	18.4 14.5	18.4 14.4	18.6 14.1	18.8 14.3	18.4 14.3	18.5 14.2	18.5 13.7	18.8 14.1	18.5 14.6	17.5 14.6	18 18.1 14.6 14.7
22-Jan-00	14.5 14.3	14.5 14.7	14.7 15 15.6 15.9	14.7 15.1 16.1 15.8	15.6	15.4 15.8	17.1 15.3	17.3 15.2	17.9	17.8	18	16.6 16.9	16.5 16.5	16 17.3	15.6 16.9	15.2 16.3	15.2	15.1 15.4	15.2 15.3 14.5 13.8
23-Jan-00 24-Jan-00	15.6 15.9 13.2 12.7	12,4 12.1	11,8 11,7	11.6 11.8	12.4	12.8	13.5	13.9	14.8	15.6	15.8	15.3	15.4	15.5	15.3	14.1	13.2	13,7	13.5 14.1
25-Jan-00 25-Jan-00	13.8 12.8 14.7 13.1	13.5 13.8 12.5 13	13.5 13.6 13.7 13.4	13.2 12.3 13 13.2	13.8	14.4	14.3 14.9	14.4 16	14.4 16.1	14.8 16.3	15.5 16.8	15,8 16,7	15.8 17.1	15.7 17.4	15.7	15.9 16.6	15.6 15.5	14.2	14 14.8 13.4 12.3
27-Jan-00 28-Jan-00	11.4 11.1 15.4 15.1	10.6 10.5 15.1 14.5	10.5 10.8 13.9 13.6	11.1 11.3 13.7 13.8	14.1	12.9	13.8 15.9	14.9 15.8	16.5 17.7	16.7	17,4 18,5	17.7 19.2	18.8 18.4	18.3 17.9	17.6 17	17.5 16	17.2	16.8 16.2	16.4 16.2 15.4 15.2
29-Jan-00 30-Jan-00	14.5 13.6 14.3 14.4	13.5 11.2 14 13.6	11.2 10.4 11.3 11.5	9.8 10.2 11.7 12.6		14.9	16 16.6	17.2	17.2	17,9 19,3	18.3 19.3	18 19.9	17.6 19.9	15.3	14.2 15.9	14.2 16.7	13.2 16.3	12.3 16	12.9 14 15.6 15.2
31-Jan-00 1-Feb-00	15,1 14.1 15,5 15.7	14.1 12.7 15.1 14.7	13.3 12.5 14.2 16.9	13.4 16.2 17.6 17		19.1 18	19.7 18.6	20.6 19.8	20,5 20	21 19.7	21 20.3	20.4 19.7	20 20.2	19 19.4	16.8 19.1	17.6 18.3	16.5 16.5	17.1	16.1 17.2 16.1 16.7
2-Feb-00 3-Feb-00	15 14.6 15.3 15.1	13.4 12.2 14.8 14.2	12 11.5 13.8 13.6	11.2 12.5 13.7 14.1		15.8 16.8	17.1 17.6	17.4	17.5 19	18.4 18.8	18.8	19.5 18.5	19	17.7	15.2 15.7	15.4 15.3	15.6 16	14.5	15.1 16.1 16 15.9
4-Feb-00	15.1 15.2	15 15	14.7 14.7 17.1 17.1	14,6 14,5 16.6 18		18.3	20.3 21.4	20.4 22.5	21.5 22.1	21 22,5	19.9 21,4	19.9	19.9	19,6	20	19.7 19.6	18.5 19.2	18.3	18.3 18.7 19.3 18.9
5-Feb-00 6-Feb-00	18.1 18 18,3 18,3	16.7 16.8	16.9 16.9	16.8 17.6		20.9	21.3	21.5 24.6	22.1 22 24.5	22,4 25.4	22.6 24.5	22.8 25	22.B 24.5	22.8 23	21.6	20,7	20.7	20.5	20.4 21.1 21.5 21.5
7-Feb-00 8-Feb-00	20.1 20.1 21 20.8	19.4 19.5 21.2 20.4	20.5 19.8	20.1 . 20.1	21,2	23,2	22.3	24.1	25.4	25.2	25.4	25.1	24.8	24.2	23.4	23.4	23.4	23	22.4 22.6
9-Feb-00 10-Feb-00	22.2 20.5 21 20.2	20.9 20.2 20.3 19.5	20.4 20.2 20.2 20.1	20.3 20.4 19.9 20.2	20.4	22.3 21	24.7	25.1 20.7	24.5 21	25,4 21,4	25,7 21.9	25.2 22.1	24.7	23.8 21.5	22.6 21.6	22.6		22 21.4	21.6 21.3 21.6 20.7
11-Feb-00 12-Feb-00	20,9 20.5 19.9 19.4	20.2 19.9 19.2 19	19.9 19.5 16.8 19	19.5 19.5 18.5 18.6	19,5	19.8 20.3	20.B 21.7	20.5 22.5	20.3 23.2	20.6 23.6	21 23.2	20.5 22.8	20.1	19.6 21	19,6 20.5	19.5 20.7	19,7 19,8	19.6 20	19.7 19.8 20.1 21
13-Feb-00 14-Feb-00	20.9 20.8 21.6 21	20.4 21.5 20.8 20.4	21.5 21.6 21.1 20.4	21.4 22.2 19.7 20.8	22.6	23.2	23.4 23.2	24.3 22.9	25.1 23	24,6 23.4	24,7	24.3 24.3	23.7 23.5	23.2 23	22.3 22.9	21.8 23	21.9 23.1	21.6 22.3	21.6 22.2 23 22.2
15-Feb-00 16-Feb-00	21,4 21.8 20.3 19.9	21.5 20 19.8 18.9	19.4 19.6 18.8 18.8	19.4 19.9 19.4 20	19,7	19.9 21.5	19.5 22.7	18.8 22	19 22.6	19.4 23,9	19.8 23.6	20.3	19.9	20 22.1	19.9 22	20.2 21.8	20,6	20	20.7 20.5 21.8 22.5
17-Feb-00 18-Feb-00	22.5 22.1 23.9 24.2	22.4 22.7 23.8 22.8	21.9 22.6 22 22.2	22.6 23 21.8 23.1	23.9	23.5 22.8	24.1 24.4	24.3 25.1	24.1 24.9	24 25.4	23.4 25.2	23.9 24.7	24.5 24.3	24.1 24.4	23.6 24.3	24,3 23.3	23.6	23.9 19.9	23.8 23.9 20.1 19.7
19-Feb-00 20-Feb-00	19.6 19.4 19.4 19.4	19,4 19.1 19.2 19.2	19.8 19.5 19.2 19.2	19.7 19.5 19.2 19.6	20	20.8	21.1 20.5	21.4	20.8	20.5	20.9	21.7	21.1	20,7 21.1	20 20.4	20.5		20.7	20 20 21 20.9
21-Feb-00	20,4 20.4	20.2 19.9	19.7 19.8 19 19.1	19.8 20.2 19.4 19.6	20,9	21.2	22.1 19.6	22.4 19.4	22.3 18.6	23.1	22.4 19.2	22.6 19.5	21.5	20.5 19.8	20.2	20.2	20.2 20.1	19.5	19.3 19.6 19.9 19.4
22-Feb-00 23-Feb-00	19.3 18.9 19.3 19.7	18.2 18.2	17.6 18.3	17.5 19.3	20	22.2	23.4	23.5	23.5	23 20.3	22.3	22.1 20.1	21.7	21	20,8	20.6	20,8	20.8	20.6 20.6 19.9 20.1
24-Feb-00 25-Feb-00	20,6 20.3 19.7 19.8	19.9 19.4 19.5 18	18.7   18.9	19.1 19.4 18.7 19	19.7	20.2	20,3 21.4	21.2 22.2 22.9	21.9	22.9	22.7	23	22.9	22,5	21.3	21.6	20.B	21.4	20,6 21
26-Feb-00 27-Feb-00	20.2 19.9 19.1 18.7	19.1 19 18.3 17.9	19.1 18.9 17.5 17.3	18.8 19.4 17.5 17.9		20.8	21.2	21	22.3 21.9	22,3 22,3	22.1	21,2 21.6	22	19.9 20.3	19.6 20	19.5 20.2	19.4	19.7 20	19.5 19.4 20.2 20.3
28-Feb-00 1-Mar-00	19.6 19.7 20 19.6	19.7 19.4 19.5 19.3	19   19.2 19.2   19.3	19.3 19.3 19.5 20.1	19.7	20.6 20.6	22.3 20.5	22.7 20.2	22.7 20,1	22.3 21	23.1	22.2	22,3	21.3	21.1	20.6	20.6	20.6 20.8	20.3 20.4 20.8 20.9
2-Mar-00 3-Mar-00	20.7 20.5 21.6 21.4	20.2 20.3 21.3 21.4	20.4 20.7 21.1 21.3	20,7 21,3 21.3 21,7	22.3	23.3	24.1 25.2	24.8 25.9	25 26.9	25 26,9	25.5 26,5	25 25.6	25 24.9	23.8	22.8 23.8	21.3 23.4	23	21.6 23.2	21.5 22.2 22.8 21.9
4-Mar-00 5-Mar-00	21.8 21.6 21.9 22.3	21.8 21.7 22 21.8	21.4 21.5 22.5 22.5	21.8 21.9 21.6 21.5	21.7	22.1 22.4	22.7	24.3 23.4	24.9 23.5	24.6 22.9	25.1 22.7	22.2	24.5 22	24 22	23.7	23.4	22.9 20.3	23 20	22.4 22.9 19.2 19.6
6-Mar-00 7-Mar-00	18.4 18 12.9 12.4	17.8 17.4 12.3 12.1	17 15.8 11.9 10.8	16.1 15.8 10.9 10.7	15.5	15.4 11.8	15.7 12.2	15.1 12.4	15.5 12.8	15.4 12.6	15.4	15.4 13.9	15.1 13.1	14.7 12.9	14.6 12.9	14,4 13.1	13.8 13	13.1 12.9	13.1 13.2 12.7 13.3
8-Mar-00 9-Mar-00	13.8 13.2 14.3 15	13.1 12.6 13.3 13.3	12 12.2 13.4 13.5	12.1 12.4 13.5 14.2		12.8 15.3	13.8 15.9	14 16.3	14.7 15.5	14,8 15.9	15 16.2	14.7 17.1	14.7	14.4	14.4 17.6	14.3		14.2 17.9	14.1 14.4 18.1 18.4
10-Mar-00 11-Mar-00	18.1 16.7 17.6 17.4	17.2 18 16.9 15.9	18 18.5 17 17.2	18.1 19.2 17.8 18.2		18.4 18.4	19.2 17.5	19.3 16.7	19.9 16.8	20.1 17.6	20,2 18.5	20.4 18.5	20.2 18.8	19,9 18.5	20.7 18.4	19.1 18.5	18.6	18,3	18.1 17.5 18 17.8
12-Mar-00 13-Mar-00	17.9 17.6 19.5 19	17.5 17.4 18.8 18.7	17.2 17.3 18.8 19.9	17,5 17,7 19.2 19.3	17.8 20.2	18.Z 21.2	18,6 22.2	18.9	18.9 22.7	19.2 23.9	19.9 23.5	19.5 23,5	19.7 23.3	19 23.1	18.7 21.3	18.8 21.4	19	18.8 21.6	19.4 20 21.4 21.7
14-Mar-00 15-Mar-00	21.4 21.5 23.2 23.4	21.5 21.4 22.8 23.2	21.2 20.9 22.2 23.4	20.8 21.3 22.7 22.1	21.8	23.8 24.2	24.4 25.1	24.4 24.8	24.3 26.3	24.5 25.8	22.9 25.6	22.4	23.2 25.1	22.6 24.5	23.2 24.5	23,4	22.8	23 24.3	22.7 23.4 24.3 24.2
16-Mar-00	24.3 24 23.6 23.2	24 23.9 22.1 21.5	23.8 23.7 20.6 20.7	23.9 24.6 20.5 20.5	24	25.1 20.1	25.3 19.8	25.7	25.9 19.9	25.9 19.8	25.9 19.5	25.6 19.5	25.1 19.5	24.5 19.5	24.4	24.4		24.2 19	23.8 24.4 18.1 19
17-Mar-00 18-Mar-00	18.7 18.5	18.4 18.7	18.6 18.5	18.4 18.4 15.9 16.6	19	19.3 15.3	20	20.8	21.9	21.4	20.7	20,7	19.9	19.6 20.5	19.5	19.6	19.7	19.5 17.1	19.4 19.4 16.3 15.9
19-Mar-00 20-Mar-00	19.9 18 15.1 14.9	16.7 14.8 14.8 14.3	14.1 14	13.9 14.3	14.9	15.2	16.6	17.5	18.5	18.2	18.9	18.8	19,3	20	18.2	18.5	18.4	16.9	17.4 17.8
21-Mar-00 22-Mar-00	17,9 18.3 19.5 19.2	18 18.2 19 18.8	18 17.9 19 19	17.8 17.8 19.3 20.6	20.6	19.1	20.1	21.9	22.4 22.2	22,2 22.6	22 22.8	21,6	22.5	22.1	21.7	19.5 21.6	21.1	19.5 20.9	19.4 20.2 20.8 20.9
23-Mar-00 24-Mar-00	20.7 20.4 21.6 21.4	20,4 20.3 21.3 21.5	20.2 20.4 21.5 21.6	20.3 20.5 21.8 22.6	22.7	22.9 23.1	23.5 24.7	24.6 25.5	24.4	24.9	25.2 23.3	24	23.2	23,2	22.5	23.3	23.7	22,1	21.9 21.6 22.5 23
25-Mar-00 26-Mar-00	22.6 21.9 25.1 24.4	22.1 22.2 24.2 24.4	22.5 22.1 24.7 23	22.2 23.1 23.5 23.4	23.1	25 24.3	24.8 23.8	25,8 24.8	25.8 24.5	25.2 24.9	25.7 25.7	26.5 25.5	25.8 25.7	25.7 25.4	25.3	24.9 25.1	25.2	24.9 25.7	24.6 25.1 25.4 25.5
27-Mar-00 28-Mar-00	26.2 24.5 23.9 23.5	25.7 25.1 23.7 23.6	25.8 25.8 23.2 22.3	25.6 25.4 21.9 22	22.2	27.8 23	27.9 23,5	28.2 24.8	29,7 24.6	28.6 25.3	25.7 23.9	24.1	23.9 22.9	24.4	24 22.7	23.7 23.2		24 22.9	23.9 23.4 23.2 23.3
29-Mar-00 30-Mar-00	23.2 23.4 24.3 23.8	23.5 23.3 23.5 23.8	23.1 22.4 24.3 24.4	22.7 23.7 24.4 25	25.1 26.4	25.3 27	26.7 28.1	26.8 27.6	26.5 27.7	27.1 27.9	27.3 26.9	26.8 27.5	26,7 27.1	26.3 26.8	25.5 26.4	25.9 25.2	25.9	24.7 25.8	24.7 24.7 25.7 25.7
31-Mar-00 1-Apr-00	25.9 25.6 25.8 25.7	25.7 25.4 25.7 25.6	25.1 25.1 25.5 25.2	25.4 26.5 25.4 25.8	26.9 26.2	27 26.5	27 27,2	27.5 27.8	28,1 27.8	27.6 28.4	28.1 28.1	27.4 27.8	27.1 27.4	26.7 26.7	26.5 26.8	25,2 26.8	26.9	26.5 27.1	26.6 25.9 27.2 27.1
2-Apr-00 3-Apr-00	27.1 27 17.2 17.3	27.2 25.9 17.2 17	25,7 25.9 16.5 16,7	26 26.4 16.6 16.5	27	26.4 16.4	26.6 15.7	27.6 16	22.9 15	22.5 16	22.2 15.3	22.3 15.5	21.9 15.1	21,6 15.2	22.5 14.1	20.9 14.1	19.4	18.5 13.7	18.2 15.7 13.6 13.5
4-Apr-00 5-Apr-00	12.5 12.6 14.9 14.9	12.5 12.6 15 14.9	12.5 12.4 14.8 14.9	12.6 12.9 14.9 15.4	13.5	13.9 16.2	14	14.3 15.1	14.5	14.6 16.6	14.8	14.9	14,4 15.6	14.5	14.4	14.1	14.3	14.6	14.8 14.9 15.9 16
6-Apr-00	16.1 15.8	16,1 16,1	16.2 16.6 16.5 16.7	17 17.6 16.7 17.1	17.2	17.7	17.6	17.8 19	18.8	18.8	18.9 19.5	18.8	18.9	18.6	18.B 19	18.2		17.7	17.3 17 17.8 17.6
7-Apr-00 8-Apr-00	17 15.5 17.1 17.4	17.2 18	17.9 17.7	17.9 17.9	18.1	15.3	19.1	19.7	20.7	20.4	20.6	20.5	20.7	20,5	20.9	20.8	20.B	20,4	20.2 19.4
9-Apr-00 10-Apr-00	19.3 19.4 21.3 20.8	19.5 19.4 19.7 19.2	19.2 19.2 19.2 15.4	19.6 20.1 18.8 18.8	19.3	21.6 19.1	23.1 19	24.6 18.3	24.1 18	24.5 1B	24,5 18.7	23.9 19.1	23.2 19.4	22.4	19.3	21.4 19.4	19.3	21.2 19.3	20.8 21.1 19 19.8
11-Apr-00 12-Apr-00	19 19.1 20.2 20	19 18.9 19.7 19.8	18.9 18.6 19.3 19.2	18.5 19.3 20.1 21.4	22.4	20.3	21.9 24.7	22.4 24.6	22.5 25	22.4 25.3	22.5 25.7	22.8 25	23.4	22.2	21.4	21.1	21.2	20.5	20.6 20.5 20.2 20.3
13-Apr-00 14-Apr-00	19.7 20.5 22.3 21.8	20 18.5 21.5 21.5	18.7 18.7 21.6 21.2	20.1 21.2 21.9 22.8	25	22,6 25.3	23.8 25.7	24.2 25.8	24.8 26.1	26 26.4	25.7 25.5	26.5 26.7	25.8 25,7	25.7 25.2	24.2	24.1	24.3	23.5 23.6	22.9 22 23.5 23.8
15-Apr-00 16-Apr-00	22.9 22.7 24.9 23.9	22.5 22.5 23.7 23.6	22.4 22.6 23.3 23.1	23.2 24.1 23.9 24.7	25.4	26.2 27.5	27.4 27.8	28.3 28.4	28.3 29.5	28.1 29.4	27.8 29.1	28.3 29.4	28.5 29.3	27 27.6	25.7 27	25.6 25.5	25 25.8	24.8 25.9	24.4 24.3 25.4 25.5
17-Apr-00 18-Apr-00	24.7 24.5 21.1 20.5	25.3 24.8 20.2 19.2	25.2 25.6 18.9 18.2	25.8 26.4 18 18.7	25.1	26.2 20.7	26,4 21,7	26.8 22.7	28,3 23.8	28.5 24.8	28.3 24.8	28.8	27.2 24.3	27.3 24.4	27.3 25.2	27.4		21.5	21.4 21.6 22.2 21.7
19-Apr-00 20-Apr-00	21.4 21.2 21.2 21.3	20.9 20.9 21.5 21.3	20.6 20.6 21.4 21.4	21.5 22.4 21.8 22.9	23.5	24.5	25.5 25.9	25 26.4	25.7 26.4	25.5 27.6	25.1 25.8	24.3 26.8	24,4	23 25.9	22 24.9	21.5 24.6	21.6	21,4	21.3 21.8 24.3 24.3
21-Apr-00	24.5 24.B	24.8 24.5	24.7 24.4	25.2 25.5	26.5	26.6 26.8		26.0	26.9	26.7 28.8	26.4 28.8	26.8 28.5	26.4 25.9	26.2 27.8	25.9 25.9	25.1	25.2	26.3 27.3	25.7 25.9 27.4 27.4
22-Apr-00 23-Apr-00	25.9 25.6 27.4 27.3	25.2 25.4 27.2 27.3	27.4 27.6	25.5 26.1 27.7 23.5	24.3	25.1	24.8	28.8	26,4	28	25.4	25.4	25.5	25.5	25,6	25.7	26,5	26,4	26.7 27.3
Z4-Apr-00 25-Apr-00	26.9 26.5 21.8 21.8	25.9 26.1 21.6 21.5	26.1 26.2 21.4 21.4	26.5 27.4 21.2 21.4	21.9	27.3 21	21.5 20.8	21.7 20.6	22.5 20.8	23.3	23.2	24.4	23,7 20.9	23.2	23.1	23.1	20.8	23,3	22.2 22.2 21.1 22
26-Apr-00 27-Apr-00	21.3 21.4 23 22.5	21.5 21.4 22.7 22.7	21.5 21.7 22.6 22.7	21.9 22.6 23.2 24.4	25.1	24.9 26.8	25.3 27.2	27.2 28.7	27 29.1	26.1 29.3	27.4 29.3	27.2 28.7	27 28.7	25.8 27	25.3 25.8	24.7 25.5	25.9	23.8 25.1	23.4 22.8 25.2 25.2
28-Apr-00 29-Apr-00	24,4 23,5 23,5 23,4	23.8 23.1 23.2 23.1	22.7 23 23 22.9	23.4 23.3 23.2 23.9	23.8	24.7 24.5	25.6 24.3	26 24.5	27,2 24,8	27.2 25	27.9 25.1	27.8 24.6	27.2 24.6	25.9 24.2	25,7 23,6	24,3 23.7		24 23.8	23.7 24 23.6 23.8
30-Apr-00 1-May-00	23.7 23.4 24 23.7	23 22.9 23.7 23	22.9 23.1 22.5 22.7	23.2 23.5 23.3 24.5	23.7	23.8 26.1	23.4 27.7	23.7 27.2	23.6 27.5	23.6 28.5	24.6 29.9	25.1 29.2	24.9 29.5	24.6 28.9	24.4 25.9	24.7 25.1	24.5	24.1 25.6	24.4 24.1 24.9 24.6
2-May-00	23.1 23.4	22.5 22.4	22.2 22.1	23.1 24.7		27.2	26.3	28.7	29.4	29.6	29.6	29.2	29.2	28.3	27.5	26.1		24.7	25 24.9

	hour 2nd hour 3r					9th hour	10th hour	11th hour	12th hou	13th hou	14ih hou	15th hou	16th hou	di?lh ho	սվ18ևի իօւ	ւլ 19լի իօս	d20th hour	21st hour?	2nd hou 2	3rd hour24	lh hous
	5.2 25.2	24.2 23.6 24.7 24.6	24.8	22.2 23.4 24.2 25.1	25.3	25.6 26.1	26.1 25.9	27.8 24.3	27.7 24	27.6 24.2	28.4 24	27.5 23.6	28 24	28.7 23.7	23.6	23.6	23.6	25.7 24	25.8 23.5	23.5	25.3 24.1
		23.8 24 24.8 25.3	24.9	23.6 24.1 24.2 24.2	25.4	23.8 25.8	24.3 26.8	23.9 27.2	24.6 28.1	25.6 29.2	25 30.2	25.4 29.7	26,9 29,5	27.1 30.1	26,3 29,8	26.4 26.8	25.6 25.5	25.3 26.4	25.2 26	25.4 23.5	25.6 23.9
7-May-00 23		22,3 22.6 23.9 24	22.8	21.3 23 23.5 24.3	25.5	27.5 25.5	29.2 27	29.5 28.4	29.9 29.9	32.5 31.4	32.5 31.1	32.6 30.1	32 30.2	31.7 29.3	27.8	29.5 26.8	28.7	28.6 25.8	25.7 25.4	25.1	25.5 25
9-May-00 2	25 24.8	24.8 24.8 25.9 25.7	25.5	24.7 25.8 25.7 26.1		27.5 28.7	27.9 28.6	29.2 29.4	29.7 30.3	29.8 30.1	30.4 30.1	29.3 30.8	28.5 29.7	28 29	27.1	26.8 27.5	26.5 27.1	26.2 27.5	25.1 27.4	26.6	26,2 26,4
11-May-00 25	5.6 25.2	25.2 25 25.8 25.6	24.7 25.6	24.9 24.6 25.6 25.7		25.6 27.8	26.3 28.3	28.5 27.9	29.4 29.1	29.8 29.5	29.8 29.7	29.5 29.8	29.4 29.7	28.5 29.3	27.8 28.6	27.2 28.4	26.7 27.8	25.2 27.1	26.5	25.6 26.5	25.9 26.4
13-May-00 26	5.3 26.4	26.4 26.6 24.7 24.6	25	25.9 26.2 24.5 25.3	27.3	28.2 27.1	28.3 28.1	29.1 28.2	28,7 29,3	28.7 28.9	28.4 30,3	28.6 29.3	29,3 29,3	28.8 29.5	27.5 28	25.8 27.4	26 27.1	25.8 25.9	25.6 26.6	25.5	25.5 25.8
15-May-00 25	5.6 25.4	24.8 24.8 27.2 27.5	24.9	23.9 25.6 26.6 27		28.2 29	27.9 29.7	30.4 31	29,3 32.3	30.5 32.5	30,3 32,7	30.2 32.5	30.5 32.6	30 31.9	28 30.1	27	25.7 29.1	25.7 28.6	26.5 28.6	26.4	26.3 27.4
17-May-00 27	7.6 27	25.8 25.4 28.1 27.8	25.1	25.7 26.1 27.6 28.1	26.8 28.3	27.6 29.8	28.7	29.8 32.2	30.5 32.5	31.3	32.6 33.8	32.7 33.6	31.8	30.7	31 24.1	29.4 25.1	29.3	29 25.4	28.7 25.5	28.6	28.6 25.1
19-May-00 25	5.9 25.2	25.4 25.7 23.8 23.8	25.9	25.9 26.1 23.1 22.5	25.2	27.1 22.8	28 22.5	29	28.9	28.3	28.9	25.1 23.3	24.3 24.1	24.5 24.6	24,4	24.1	24.2	24.5	24.8	24	24 24.2
21-May-00 2	24 23.9	24 24	23.4	23.7 24.1 25.3 25.5	24.9 25.5	25.3 26	25.6 25.6	25.5 25.7	25.5 25.2	25.1 25.7	24.4	24.6	24.5	25.2	25.4 27.6	25.3 26.9	25.1 26.9	25 27.4	25.2	25.1	25.2 27.6
23-May-00 27	7.4 27.1	25.4 25.7 26.6 26.8	26,8	26.9 27.4	27.9	28.5	28.7	29.7	31.1	32	31.8	31.4	30.8	30.2	29,8	29.4	29.1	29.1 30	29.3	28.9	29
25-May-00 25	9.5 29.2	28.4 28.2 29.3 29.2	29	27.8 28.8 29.1 29.7	30.2	30.3	30.9	31.8 31.4	31.1	31.5	31.8 32.9	31.2	31,4	30,4 32,6	30.3 31,4	29.9 30.6	29.7 30.3	30.1	29.8	29.6	29.5 29.5
27-May-00 25	9.3 29.1	29.5 29 26.7 26.6		28.9 29.4 26.5 26.7	29.8 26.9	30.8 28.1	31.2 29.5	31.6 30.4	31.5 30.6	31.4 31.1	31.3 26.7	30.8 25.5	30,8 25.6	30.8 25.3	30.6 25.6	29.9 26.4	30 26.4	30 27	30.2 26.8	27	29.7 26.4
29-May-00 25	B.2 25.2	26.5 26.6 27.4 27.2	27,3	26.9 27.5 27.5 28.6	29.4	30.2 30.5	30.1 30	30.8 30.4	29 31	26.7 30.5	28.7 30.9	27.5 32.4	28.3 32	29 31.6	28.9 32.4	30.5	28.8 29.7	28.2	28.6	28.9	28.3 28.7
31-May-00 25	8.9 28.7	28.1 28.2 28.6 28.5	27.3	27.8 29.3 27.6 26.7	26.4	31 26.8	30.9 27.7	31.1 29.1	31.7	31.9 30	32.8 30.6	32.5 30.7	32,4 31.5	31.4 31.2	31.1 30.2	29.8 29.6	29.6 29.6	29.3 29.4	29.8 29.5	29.5	29,4 29.9
2-Jun-00 25	9.3 29.1	29.3 29.2 28.1 28.6	26.9	29.2 29.9 28.3 29.3	30.3 29.8	31 30.2	31.2 31.2	32.1 32.2	32.4 32.5	33.1 32.2	33.4 33.1	33.2 32.2	32.4 32.5	31.8	31.1	30.2 30.9	30 30.6	29.9 30.2	29.9 30.1	30.1	29.2 29.9
		29.4 29.1 29.4 29.3		29.1 25.7 29.1 30.1	30.3 30.5	31.6 31.2	31 32.1	32.1 32.4	32.8 33	33.3 33.2	33.3 33.2	33.7 33.1	32 33.2	32 31.6	31,8	30.7 30.4	30.2 30.1		29.9 29.9	30.2	30 30
5-Jun-00 25		29.2 28.7 29 29	28.6	28.8 29.4 29.2 29.7	29.8 30.3	31.1 31.1	31.6 31.1	32 29.3	32.9 31.9	33.2 32.4	33,4 32,7	33.1	33.1 30.9	31.1	30.5 30.5	30.2 30.5	30 30.2	30 30	29.7 30.1	29.9	29.5 29.9
7-Jun-00 3	30 29.9	29.1 29.3 29.7 29.7	29 29.5	29.2 27 29.6 30	29 29.7	29.8 28.7	30.5 25.2	29.9 28.1	30.2 28.7	30,2 29,1	30,4 30,5	30.7	31 27.5	30.8 28.6	30.3 29.5	30.3 29.2	30 29.4	29.9 29.7	30 29.7	29.9 2 29.5	29.8 29.6
9-Jun-00 29	9.6 29.4	29.4 29.2 22.9 24.5	29.1	29.1 '29.5 25.3 26	29.8 25.5	30.7 26.7	31.1 25.8	32 26.2	31,7 25.5	31.1 25.2	30.5 25.8	30.3 25.5	30.5 25.7	27.4 25.8	27.7 27.4	27.9	29.2 27.1	29.7 27	29.6 27	26,8	29.7 27
11-Jun-00 2	27 25.8 8.5 28	26.8 26.7 27.9 27.7	27.2	26.8 27.1 27.6 28.1	28 28.7	28 28.7	28.4 28.6	28.9 28.8	29.4 29.6	30.2 30.5	30.1 30.5	31.1 30.4	31.1 29.8	29.9 29.5	29,4 29.2	29.4 28.3	29.2 26.8	29.1 27.4	29,2 27.9	28.7 27.9	28,5 28,5
13-Jun-00 28	8.7 28.5	28.2 28.6 27.9 24.8	29	29.1 29.6 26.3 27.6	29,9 28.4	30,3 27,4	31 27.1	31.1 27.2	31,6 27,8	32 26.9	32,6 27,5	31,2 28.7	31.1 28.7	30.6 28.2	30.2 27.2	30.2 25.5	30 25.2	26.6 25.8	26.5 26	26.9 26.1	26.6 26.2
15-Jun-00 25	5,7 26 7.1 26.7	26.3 26.1 27 26.7	26.2 27.2	25.5 24.9 26.6 27.9	25.9 28.5	26.9 28.6	27.1 29.1	27.8 30.2	28.5 29.4	27.9 30.6	28.5 30.5	29 30.8	29.4 29.7	29 29,7	28,4 29,2	27,9 28.9	27,6 28.7	27.7 29.1	28.1	27.7	27.7 28,9
17-Jun-00 28	8.3 28.6	28.1 27.9 26.9 26.9	27.7	26.8 27.7 26.9 27.1	29.1 28.5	29.3 30.7	29.8 31	30.4 30.9	30.9 31.1	29.4 32.2	30.2 31,6	30 32	29,5 30.7	29.4 29.6	28.9 29.1	28.7 29.1	28.4 28.7	28,1 28.7	28.1 28.4	28 2 28.5 2	27.5 28,7
	5.2 27.9	28.1 28.1 28.7 28.2	27.8 27.8	27.4 28.5 27.7 28.1	29,3 29,6	29.5 31.3	31 31.6	31.5 31.1	31,2 31.4	31.4 31.5	32,7 31,9	32.6 32.7	32 32.5	32.2 31.9	31.7 30.6	30.2 29.9	29.4 29.8	29.5 29.8	29.2 29.6	29.2 2 29.2 2	29,9 29,1
21-Jun-00 2	9 29.3	28.8 28.6 28.7 28.9	28.2	28.1 28.9 28.8 29.8	29.2 29.1	31 30.5	31.7 30.6	31.1 31.4	31.4 31.8	32.2 32.5	32.8 32.7	32.4 33.3	32,5 32,5	32.5 31.6	31,5 31	30.6 30.1	30 29.8	29,7	29,5	29,4	29.2 29.2
23-Jun-00 29	3.1 29	29 28,2 29,7 29,7		28.3 29 29.6 30.2	29,8 30.6	30.4	31,2 31,6	31,5 32.3	33.2 34	33.4 34.1	33.1 34.8	32.8 34.1	32.9 34.2	33.1 32.5	31.5 31.3	31.1 30,9	30.4 30.4		30.3	30.4	30.1 30.1
	30.1	29.9 29.2 29.3 29.1	29.2 29.1	29.3 29.6 28.9 30	30.2 30,9	30.4 30.7	32.3	32.7 32.7	32.7	33.5 32.2	33,5 33.2	33.9 32.6	33 32.3	32 31.6	31.2 30.2	30.6 26.6	30.3 29.4	30.3	29.7	29.9 2	7,9 29.3
27-Jun-00 29	9,5 29.2	29.4 27.2 26.9 27.2	28.2 27	28.2 29.1 27.5 27.6	29.8 27	3D 25.3	29.7 26.3	29.2 26.9	28.7 27	30.5 26.9	30.4 27.1	31.5 27.1	31.2 27.8	30.5 28.1	29.9 28.1	29.8 27.7	29.6 27.7	29.7	29.3 28.2	28.2 2	25.8 27.8
29-Jun-00 27	7.6 27.6	26.9 25.7 25.9 26.9	25.7 27.5	25.3 26.2 26.7 26.9	27.2 27.2	28.5 28.5	29.4 29.8	27.7 26.4	28.5 27.7	28.9 26.2	28 28.1	28,2 27	27.7	29.2 26.6	28.2 26.2	27.2 26.5	27.3 27.2	27.6	27.8	28	28 25.5
	5.1 26.8	27.4 26.7 29.1 28.3	26.8 28.4	27.3 28.1 27.5 27.7	29.6 28.8	26.8 30.3	28.5 30.8	28.7	29.6 31.8	29.8 32.3	27.7 32.5	29.2 32	28.9 31,7	29.1 26.6	29 26.6	28.9 26.6	28.6 26.1	28.2	28.6	26.5 2	29.2
3-Jul-00 27 4-Jul-00 29	7.7 27.7	27,5 28.2 28.7 28.8	28.4 28.9	28,6 28.7 28.7 28	29.5 29.9	30.1 30.7	30,6 31.2	31.5 31.6	32.9 31.8	31.7 32.4	30.4 31.6	31.2 32	31.6 30.3	31.4 31.1	30.6 31,2	30.3 29.8	29.6 29.5	29.5	29.4	29.3	29.5 29
5-Jul-00 29 6-Jul-00 2	J.4 28.6	8.6 28.3 9.2 29.2	29 28.9	28.7 28.7 28.4 28.7	29.2 27.9	30.2 28.9	30.3 30.1	30.3 29.7	30.6 30.7	30,2 29.1	30,5 30.6	30 31	30.9 31.1	29.4 31	26.9 30.6	29.5 29.8	29.2 30	29.6	29.6	29 2	28,9 29.6
7-Jul-00 29 8-Jul-00 29	3.1 29.1	29 29.1 9.7 29.3	28.3 28.6	28.7 29 28.9 30	30 30	31.3 29,8	30.9 30.7	31.7 31.4	32.2 31.9	31.8 32,3	32.7 31,8	32.5 32.8	32,1 31,7	31.7 31.4	30.9	29.9 30.7	29.7 30	29,6	29.9	29.5 2	29.9 29,3
9-Jul-00 29 10-Jul-00 29	3.3 29.2 2	8.7 28.4 6.8 28.8	28.6 28.7	29,4 29.6 28.8 29.6	30.4 30.2	30.8 30.7	31.2	31.1 31.5	32 32.2	33 33.1	33.4 33.4	33.4 33.7	32.9 33,2	32.4 32.6	31.2 32.1	30.6 30.7	30.2 30.5	29.9	29.8	29.7 2	29.5
11-Jul-00 29 12-Jul-00 29	29.2	9.1 29 9.1 29.1	29 28.9	29.9 29.5 28.7 29.4	30,1 30.2	30.6	30.9 31.5	32.9 32.1	33 32.9	33.3 33.4	33.4 33.9	33.7 34.1	33.9 34.5	33.3 34.2	32.9 33.5	32 31,9	31 30,8	30.1	29.9	29,8 2	9.7
13-Jul-00 29 14-Jul-00 30	29.6	9.3 29.5 9.9 29.7	29.4 29.8	29.4 29.6 29.7 30.1	30 31.2	31.1	31.6 32.5	32.6 33.4	33,8 33.6	33.7 34.8	34,3 34.9	34.8	33.9 33.5	33.1 32.9	32.5 32.3	31.2 31.6	31 31.1	30.6	30.1	30.7 3	0.8
15-Jul-00 30 15-Jul-00 29	1,6 30.5 3,1	0.2 30.2 8.1 29.2	30.3 29.6	29.2 29.6 29.5 29.8	31.1 30,4	31.3	31	33.3 32.3	34.3 32.4	32.4 33,3	33.1 33.4	34.1 33,3	33,3 33,1	32,9 32.2	32 31.9	31,1 31.3	30,9	31	31.5	30.8 2	9.4 31
17-Jul-00 28 18-Jul-00 29	3.1 29.9 3	0.1 30 9.8 29.5	29.5 29.5	29,9 29.7 29.3 29.8	30.9 30.1	31.1 31.1	31.5	31.9 31.9	32 32.4	32.9 32.1	30.9 32.1	31.8 32.7	32.3 31.9	31.3 31.1	30.9 30,7	30.8 30,6	30,3		30.1		9.9 30
		9.2 29.5 9.3 29.1	29.4 29.2	29.3 29.8 29 29.5	30,6 30.5	31.3	31,5 31,4	32 31.6	33 32.9	32.1 33.5	32.6 33.3	33.2 33.1	32.1 32.5	31.7 31.6	31.3 31.6	30.5 30.5			29,9 29.6	29.8 2 29.6 2	9.6
21-Jul-00 29 22-Jul-00 29	.4 29.2 2	9.2 29 9.4 29.2	29.1 29.1	28.9 29.5 29.1 29.5	30.8	31,5 30.1	32.2 31.6	32.4	33.1 32.8	33,7 34.1	33,5 34.2	33.4 34.1	32.9 33.8	32.9 33.6	31.9 32.5	30,6 31.2	30.6	30.4	30,1	30.1 2	9.7
23-Jul-00 29 24-Jul-00 29	1.6 29.5 2	9.1 28.8 9.4 29.2	26,8 29.2	28.7 29.6 29.1 29.5	30.3 30.4	31.1 30,8	31.5 31.9	32.2 32.3	33.1 33.2	34.6 32.5	34.4 32.2	34,6 33.3	33,6 32.2	33.1 31.8	32,5 31.6	31,2	29.7				9.9
25-Jul-00 29. 26-Jul-00 29.		9,3 28.6 7.9 28.1	28.7 28.5	28.7 29.1 28.2 28.7	29,8 30	30,8	31.9 30.3	32.6 31	32.5 31.3	33.4 31.8	33.4 32.9	33.4 32.4	32.7 32.6	32.2 32.3	31.3 30.8	30.3 29.9					8.6 9.1
27-Jul-00 29 28-Jul-00 29	9 28,9	29 28.2 9.4 29.5	28.6 29.2	27.6 28.4 29.3 29.1	29.5 30.9	31.7	30 33,6	30.5 34	31.5 33,8	31.8 34,3	33.7 34.8	34.5 34.7	33.1 35.3	32.7 34.2	31,3 32.4	30.5 31.3	31.4	30,4 :	30,7	30.7 3	0.2
29-Jul-00 30 30-Jul-00 29.	0 29.7 2 .5 29.2 2	9.5 29.5 9.1 29.3	29.2 28.3	29.5 29.2 28.3 28.6	25 30	28.5 31	30.7 31.1	33.1 32.1	31.6 31.8	32.2 33	32.6 33	33.8 33.6	32.8 33	33.7 32.6	31.4 31.3	30.6 30.3	30.3 30.4	30.1 : 30.5	29.7 30	30 3 30 2	9.7
31-Jul-00 29 1-Aug-00 29	.2 28.9 2 .4 29.2 2	8.4 29 8.9 29	28.2 29.7	28.1 28.7 28.8 29	30.1 30.2	30.4 30.9	30,6 31.5	31.6 31.8	32,7 33.1	33.3 33	32.9 33.9	33 33.7	33,5 33.1	32.5 32.7	31.8 32.2	30.6 31.1	30.4	30.3	30.5	30.1 2	9.5
2-Aug-00 29. 3-Aug-00 29.	.9 29.1 2 .9 30.2 2	9.1 28.7 9.6 29.1	28.9 28	29 29.5 28.7 29.1	29.6 30.2	30.6 32.3	30.9 32.9	32.2 31.9	32.8 32.8	33.9 33.2	34 33.8	34.5 34.1	34.2 33	34 32.7	32.9 31.7	31.3 30.8	30,9	30.7	30.5	30.5 3	0.2
4-Aug-00 29. 5-Aug-00 30.	.9 30 2 .6 30.2 3	9.7 29.2 0.1 29.6	29.5 29.8	29.4 30 29.8 29.6	31,3 30.2	32,6 31.2	33,4 32.7	33.7 32	34.8 32,4	33.9 31.2	34.8 33.4	34.B 33.4	34.4 32.3	33.6 32.4	33.1 31.2	32.1 29.2	30.3	29.7	29,9	29.2 2	0.9 9.6
6-Aug-00 29. 7-Aug-00 27.	.5 29.1 2 .8 27.4 2	6.8 26.2 7.7 27.6	26.2 27.7	27.2 26.6 27.7 27.8	28 28.6	28.4 29.2	27.1 30.1	28 28.8	29.8 30.8	30.6 31.6	29.4 32.6	30.5 32.6	30.8	26.8 31.8	27. <del>6</del> 31.5	27.1 30.7	3D.2	29.B 2	29.8	29.2 2	7.2 9.2
8-Aug-00 28. 9-Aug-00 26.	.8 28.5 2 .8 27.8 2	7.5 27.4 7.9 27.5	27.1 27.8	27.2 28.3 27.4 27.7	25.9 27.9	29.2 27	30.2 26.9	30.5 27.5	31.5 28	32.2 28.2	32.7 28.7	33.9 28.2	33.6 27.3	27.8 28.1	27 27.5	27.6 27.5	27,9	27.7 2	28.2	27.7	6.4 26
10-Aug-00 26. 11-Aug-00 26.	.4 26.4 .4 27.1 2	26 25,7 6.7 26.5	26.4 26.2	26.5 26.2 26.4 26.6	26.2 26.7	26 27.1	26,4 27.6	27.1 26,5	26.2 27.2	26.8 27.3	27.4 27.1	26.7 25.8	26,9 25.7	26.7 25.5	26.3 25.6	26.5 25.7	26.1	26.1	26.7	27.2 2	7.2
12-Aug-00 27. 13-Aug-00 27.	,7 27.4 2	7.4 27.1 6.6 25.8	27.3 26.2	27.2 27.3 26.8 26.7	27.2 27.9	27.2 28.8	27.2 29.3	27.1 30.5	27.3 30.8	28 32.5	28.4 32.5	28.2 32.2	28.1 30.8	27.9 30.5	28 30.2	27.7 29.8	29.7	29.5	29.5	29,6 2	7.5 9.5
14-Aug-00 29 15-Aug-00 26.	9 28.4 2 .7 26.2 2	7.6 26.3 6.3 26.3	25,7 26.3	26.2 26.2 26.3 26.3	25 25.7	26.2 27.5	25.4 28	25.8 28.2	27.4 26.9	27 29.5	25.6 29.9	30	25.7 3D.2	27 <u>.2</u> 29.8	27.2 27.1	27.1 27.3	27.2	25.4	25.9 2	27.1 20	27 6.7
15-Aug-00 27.	.4 26.5 2	6.7 26.7 6.5 25.8	26.9 26.3	26.8 26.9 26.5 26.1	27.1 26.5	25.7	26.2	27.1	27,4 28,3	27,3 28.1	26.8 30.4	26.8	25,9 30,3	25,9 29,8	25.5 29.2	25,6 28,9	26.7	28.7	28 2	27.4 2	6.1 7.3
18-Aug-00 27. 19-Aug-00 26.	.2 26.8 : .8 26.9	27 27 27 27.1	27.3 27.2	27.2 27.7 27.9 28.1	28.3 29	29,1 30.1	29.4 31.1	30,8	32.3	32.6 32.9	33 33.2	33,6 34,4	33.9 33.8	33.7 32.9	33.4 31.9	32.9 31.4	30.7	30.9	31 (	30.5 29	6.5 9.7
20-Aug-00 29. 21-Aug-00 28.	.6 29 2 .8 28.8 2	9.2 29 8.7 28.7	28.9 28.7	28.6   28.6 28   28.1	28.8 28.4	28.5 28.2	28,6 28.5	29.2 29.3	29.9 30.3	30.8 30.8	31.5 31	31.2 31.1	30.7 30.7	30.2 30.5	29.3 29.5	29.1 29.3		29.1 2	29.2	29 2	8,9 29
22-Aug-00 29. 23-Aug-00 29	.1 <u>29 2</u>	8.9 28.9 29 28.5	28.5 28.7	28.5 29 28.6 29.1	29.1 29.4	25.9 30.8	27.6 30.7	28.2 29.9	27.7 30.1	28.6 28.4	28.7 28.6	28.6 29.1	29.5 28.9	29.9 29.7	29.3 29.2	29.1 29		28.6 2	28.5 2	28.4 26	8.7 8.2
24-Aug-00 28. 25-Aug-00 28.	5 28.6 2 3 28.2 2	7.9 27.8 8.1 27.8	27.5 27.8	27.1 27.5 27.5 28.1	28.8 29.1	29.6 30.4	30.6 29.5	30 30.9	30.5 30.9	31.2 31.5	31.2 31.9	30.7 30.2	30,8 29,2	30 29.1	29.5 29.4	29.6 29.1	29,3 29,2	28.8 2 26.7 2	29.1 25.1 2	29 2 25.9 26	29 6.6
26-Aug-00 25.0	6 26.7 2	5.5 25.7 7.7 27.7	26.6 27.6	26.9 27 27.8 28	27,8	27.6 29.4	28.3	28.4 30.7	29.4 32.5	30,5 33.3	31.1	31.7 29.9	30,8 31.5	30.6 30.9	29.9 30	29.5 29.2	29,1 26	29.2 2 27 2	28.7 2 27.3 2	28.6 28 27.4 28	8.6 8.7
28-Aug-00 27.i 29-Aug-00 27.i	8 27.5 2	7.8 27.7 7.7 27.7	27.5 27.5	27.5 27.9 27.7 28.3	29 29	29.6 29.5	30.6 31	30,9	31.2 30,5	31,3 30.1	32.3 30.7	32.1 31.4	32 31.5	31.8 30.4	30.6 29.9	29.5 29.1	29.2 28.5	28.9 2 29.1 2	9.1 2	27.6 27	7.9 8.9
30-Aug-00 28.4 31-Aug-00 28	4 28.1	8 28.1 7.9 27.5	27.9 27.6	27.2 27.9 27 27.5	29.4 29.7	29.9 30.3	29.7 29.7	30,5 31.3	30.2 31.8	30,3	31.8	32.3 32.7	31.6	30.2 30.6	29.3 29.6	29.1 28.9	29	26.9 2	8.9 2	8.7 28	8,6 8.7
1-Sep-00 26.6 2-Sep-00 28.5	5 28.2 2	3.2 27.8 9 28.7	27.5	27.5 28.1 28.7 28.6	28.8 29.1	30 29.7	29.4		31.8	32,6 28.2	32.6 28.3	32.5 28.8	32.2	31.1 29.9	35.4 29.5	29.8 28.7	29.4	29.4	29 2	9.4 29	9.2 3.6
3-Sep-00 28.5 4-Sep-00 28.5	5 28.1 2	3.7 28.4 3.1 27.9	2.7	27.3 28.1 26.2 25,1	28.8	30.2	29.7	27.9	29,5 28,4	31.1	29.8	29.6 30,4	29,6 29,6	29,8 29,5	29.2 28.7	28.6	28.6	28.9	29   2	8.5 28	3.7
	كساس يتتسسب	,									L										

6.0 80					5th hour			8th hou		10th hou					(15th hou		17th hou	18in hou	19th hou	20th hot	u:21sl ho 27,5	27.4		124th h
5-Sep-00 6-Sep-00 7-Sep-00	26.5 26.3 26.9	27 26.3 26.5	26.5 25.8 26.2	26.3 25.6 26	26.1 25.4 25.6	25.9 25.6 25.1	26 25,5 25.4	25.9 27	26.6 26.3 28.7	27.1 28.4	28.5 27.8 29.2	28.8 28.1 29.7	28.6 28.8 30.5	28.4 28.9 30	29.2 29.2 29.4	29.1 29.1 29.7	28,6 29,1	28.4 28.9	28.4	28.3 28.5	28.3	27.7 28	27.1 27.7 27.9	27.5 28
8-Sep-00	27,1	26.7	26.6	26.9 27.9	26.8	26.5	27.1	27.4 28.4	27.9	28.8	30.3	30.7 29.1	32 29.5	31.7 29.3	31.7	30.8	30,4 29.5	29.5	28,9	28.2 28.9	28.2	28.1	28.2	28.7
9-Sep-00 10-Sep-00	28,2 28,1	28.2 28.1	28 27.7	27.6	27.6 27.6	27.5 27.5	27.7	28.6	28.9	29.7	30.5	30.6	31.3	31	31.3	30.8	29.7	29.7	29	28.7	28.7	28.8	28.5	28.4
11-Sep-00 12-Sep-00	28.1 25.8	27.9 26.8	27.6 26.5	27.2 26.5	27.2 26.7	27.2 25.6	27.4 26.7	28.3 27,9	29.4 29.5	30.4 30	31.5 31	31.7 31.3	32.4 32	31.9 32.1	31.6 31.9	31.1 31.5	30.8 31.4	29.2 29.9	28,4	28.7	28.7 28.3	28.4	28.7 28	25.4
13-Sep-00 14-Sep-00	27.8 28.1	28	27.5 27.6	27.1	27.2	27 27.1	27.4	28.9 28.6	29,7	30,9 30.2	32.4 30.3	32.8 31,5	32.9 31.9	32,7 32.1	32.3 32.8	31.5 32.1	30.9 31.5	30.1 30.8	29.6 30	29,3 29,2	29.6 29.7	29 29	29 28.2	28.8 28.5
15-Sep-00 16-Sep-00	28 29.8	27.9	27.7 29.2	27	27.5 28.8	27.9 28.6	28.5	28.7	29,6 29,8	29.9 30.9	30.4	30,3	33,8 31,1	33.9 29,9	33.3 31.2	32.8 31	31.2 30.8	30.9 30.6	31 29,4	30,9 29,2	29.7	30.4 29.6	30.5 29	29.5 29.2
17-Sep-00 18-Sep-00	28.7 27.9	28.5	27.6 27.1	27.6 28.1	27 28.3	27.2 28.2	27.6 27.9	28.3 28.1	29.1 28,4	30.2 29.9	31,3 30,3	30,3 30	31.4 30.7	31.4 31.3	32 31.4	32.1 31.5	31.6 31	30.9 30.5	30.2	29.7 30.2	29 29.8	27.B 29.7	27.8 28.9	28.8 28.7
19-Sep-00 20-Sep-00	28.4	27.9 28.5	27,6 28,1	27.2 27.7	26.6 27.5	26.2 27.3	Z6 27.2	25.4 27.6	27.1 28	27,3 28,3	28.1 29	28.6 29.8	29.5 30.5	30.2 30.8	30.3 30.5	30.3 29.8	30 30.5	30.1 29.5	29,6	30,5 30.1	30.3 29.6	30.4 30	30,1 29,4	29.4 28.5
21-Sep-00	28.4	25.7	26.2 27.9	25.3	25.2	27	27.3 25.9	27.6 27.6	28.5 28.6	28,9 29,6	30,5 31,6	30.5 31.4	31,1 31,6	31 31,8	31.2	30.7 32	30.8 31.6	30.3	29.7	29 30	28.9	30.2 29.3	29.1 29.2	29.4 28.7
22-Sep-00 23-Sep-00	28.9 28.3	28.3	27.7	27.5	27.3	27.1 26.8	26.2	26,3	25,7	25,5	25.9	25.4	27,2	27.1	28.2	27.7	27.7	26.1	26.2	25.4 25.9	25.4	25.4	25	24.7
24-Sep-00 25-Sep-00	24.9 27.1	24.7 27.2	24.7 27.1	26.7 26.5	27 25.7	25.6 25.7	26,4 27	27.4	25.6 27.2	26 28,4	26.3 29.7	27 29	28.4 28	26.5 27.6	25.4 27.9	25.8 28.3	26.5 28.6	25.4	26,4 27,6	27.7	26.5 27.8	25.5 27.5	26.6 27.6	26.9 27.6
26-Sep-00 27-Sep-00	27.4 27.2	27.3	27.1 26.9	26.7 26.6	26.7 26.5	26.7 25.5	27.1 26.7	28.2 28.2	28.9	29.8 29.6	29.5 30.7	29.8 31.4	30,4 31,5	31.8 30,9	31.1	31.5 30.5	30.8	29.2 29.5	29,1 28,3	28,7 27.9	28.5 28.3	28.2	28 27.6	28
28-Sep-00 29-Sep-00	27.5 28	27.4 27.7	27.2 28	27 27.5	26.8 27.8	27 27.7	27.8	26.1	29 29.8	30 29.9	31.2	32	31 32.1	31.7 32.6	31 31.9	30.6 30.9	30.1 30.1	29.9 30	29.7	28,9	28.9	28.4	28,4 29,2	28.3 29.2
30-Sep-00 1-Oct-00	28.7 29.3	28.7 28.8	28.5 29	28 29,1	27.8 29	25.9 29.1	27.6 29.1	29,1 29,4	30.1 30	31,Z 30,7	31.6 31.2	33.4 32.7	33.5 32.2	33,4 31.9	33.7 32.4	33.4 31.7	32.9 31.1	31.4 30.2	29,7	29.6 29.3	29.6 29.6	29.6 28.2	29.5 29.5	29,8 29,5
2-Oct-00	29.3	27.7	25.5	28.2	26 26.5	26.6	27.7	28.1 26.1	29 26.5	29.5 26.9	29.7 27.6	30,1 28,7	30,8 29,2	29.8 29.2	29.4 29	27 28.8	26.1 28.7	27.1 28.9	26,8 28,1	27.9 28.7	27.9 27.5	28.1 27.9	27,6 27.7	27.1
3-Oct-00 4-Oct-00	27.7	27.7	26,6 27.4	25.9 27.2	27.2	26.7 27.2	27.5	28,3	29.2	30	30.8	30,5	31.9	30.6	29.5	29.1	28.7	27.8	27,7	27.4	28	28	27.7	27.7
5-Oct-00 6-Oct-00	27.3 27.1	26,8 27,6	26.2 27.4	25.1 27.1	25.2 26.9	26.3 26.5	26.7 27.4	27.2 28.4	27,8 28,9	28,1 29.8	28.3 30.5	29.4 31.4	29.8 31.8	30.7 32.6	31.4	31.8 33	31.5 32.6	30.7 31.6	29,5 31,1	29.7 30.8	29.8 30.4	28.3 29.5	27.8 29.5	28.2 29.2
7-Oct-00 8-Oct-00	28.9 29.8	29.2 29.1	28.6 29.5	28.5 28.6	28.7 28.4	28.2 28,6	28.1 28.5	28.4 28.9	29.1 28.9	30,1 29.6	30.9 29.8	31.7 29.9	32.2 30.1	32.6 30.8	32.8 31.1	33 32	32.2 31.1	31.8 31.4	30.9	30.7 30.2	30.5 29.1	30.5 28.8	30.3 28.1	30 27.4
9-Oct-00 10-Oct-00	26.9 24.4	26.3 25	25.8 25.5	25.2 24.8	24.8 24.8	24.4 24.5	24 24.5	24.6 24.5	25.1 25.2	26.4 25.5	26.6 26.2	27.7 27	28.7 27.4	29.5 28.4	28.7 28.9	29 28,2	28,9 28.2	28.4 27.7	27.8 27.4	27.5 27.2	27.1 27.2	27 27.2	27.5 25.5	27,3 25.6
11-Oct-00 12-Oct-00	25.6 27.1	25.6 27.1	25,6 26.8	25.4 26.6	25.4 25.5	25.2 25.5	25.3 26.2	25.6 26.6	25.8 27.5	26.5 27.4	27.7	29,7 27,6	29,4 25.9	29.5 26	29.2 26.2	29.3 26.9	29.1 27.1	28.2 27.1	27.8 25.9	27.5 27.1	27.2 26.6	27.3 25.5	27.1 26.6	27.1 26.7
13-Oct-00 14-Oct-00	26,6	26.7 26.4	26.9	25.5 25.9	26.4 25.8	25.2 25	26.1 25.4	26.6 25.7	27.5 26.6	27.9 27.2	29.1 27.7	29.4 28.3	28.7 28.3	29.2 28.5	29.5 28.8	29 28,5	27.8 28.6	27,1 28.1	26.6 27.9	25.4 27.2	26 27.2	26 26.8	25.2	26,5 26,1
15-Oct-00	25.4 25.4	25.1	26.2 24.7	24,6	24.4	24	23.8	24.4	25.3	25,5	25.6	27.5	27,3	28	27.8	27.9	27.6	26.9	26.1	25.3	25	24.9	24.8	24.7
16-Oct-00 17-Oct-00	24.2 24	23,8 23,3	23.5 23	23.1 23	23 22.7	23	23.2	23,8	25.1 24.2	24.9 25.2	25.3 25.7	27.2 26	27.6 26.9	27.8 27.1	27.6 27.4	28.1	27.8 26	25.6 25.6	26,4 25.6	26,1 25.7	25.7	25.1	24.7 23.9	24.2
18-Oct-00 19-Oct-00	24.2 24.2	24.1 23.2	24.3 23	24.2 23.1	23.9 22.6	23,5 23.1	23.7 23.5	23.8 24	24 24,4	25.2 25.9	26.1 26.4	25.4 27.5	26.5 28.1	27.7 28.7	26,9 27,8	26.5 28.2	25,7 28.4	25.5 27.8	25.1 26.9	24.7 25.8	24.7 25.3	24.9 26.2	25 26,3	24.6 25.2
20-Oct-00 21-Oct-00	23,9 24.5	22.9 24.2	22.8 24	22.4 23.6	21.7 23,5	20.9 23.2	20.8 23,2	23,5 24	25.3 25.1	25.4 25.9	26.7 26.4	26.9 26.5	28.1 27.4	28.3 27.5	27.5 26.9	27.5 27	26.5 26.1	25.4 25.2	25,1 24.3	24.9 24.3	24.9	24.7 23.8	24.5 24.1	25.3 24.5
22-Oct-00 23-Oct-00	24.1 24.3	23.5 24.2	23.4 23.8	23.2 23.7	23.4 23.6	23.2 23.5	23.2 23.5	24.5 + 24.5	24.6 25.8	25.8 26.4	26.9 27.1	27 27.6	27.8 28.6	27.5 27.9	27.4 28.2	25.8 27.6	26.5 27.5	25,8 26.1	24,7 25.7	24.5 25.3	24.7 25.2	25.2	24,6 25	24.7 25.2
24-Oct-00 25-Oct-00	25 25.3	24.7 25.2	24.6 25.1	24.5 25	24.3 24.9	24.2 24.6	24.3 24.6	25.2 25.3	25,5 26.2	27.1 26.7	28.1 28.1	29,4 29.2	29.6 29.9	30.3 29.4	29.2 29.3	28.5 29.3	28.4 28.5	25.6 26.9	26.5 27.2	26 27.5	26 26.8	25.7 26.6	25.6 26.1	25.1 25
26-Oct-00	25.2	25.2	25	24.6	24.5	23.9	23.3	25.2	25.2	27.3	27.9 27.7	28.5	29.3 29.9	29,3 28	29,9 27.9	29.5 27.7	27.7 26.9	28.6 26.5	26.2 25.2	26.2 25.1	26.1	25.8 25.2	25.2 24.8	25.5 24.4
27-Oct-00 28-Oct-00	25 24.9	25 24.7	24.7 24.6	24.6 24.7	24.6 24.5	24.8	24.8	25.5 25.1	26.5 26	27.3 26.5	25.5	27.7	26.8	26.9	27.7	27.1	25.7	25,8	24.7	25	25.2	25.2	25	24.9
29-Oct-00 30-Oct-00	24.8 25.2	24.4 24.9	24.2 24.6	24.1 24.6	23.7	23.9 24	24.1	24.6 21.4	25.5 22.4	25.9 22.9	27.8 23.7	28 24.4	29.2 25	29 25.6	29.5 25.7	29 25.9	27.7 25.5	25.9 22.4	25.6 22.5	25.7 22.4	25.8	25.4 23.4	25.2 22.9	25.6 23.3
31-Oct-00 1-Nov-00	22.3 21.2	22.4	22.3	22.2	21.9 20.6	21,7	21.3 19.5	21.2 19.5	21.5 19.5	21.7 19.9	22.3 19.4	23.2 19.8	23.3 19,5	24.3 19,7	24.1 19.9	23.9 19.8	23.2 19.4	23 19.4	22.2 19.3	22.8 19	21,8 18.6	21.7 18.1	21.9 18.4	21.5 18.4
2-Nov-00 3-Nov-00	18,4 20.5	17 20	16.1 19.5	16.1 19.5	16.6 19.2	16.8 19.4	17.2 18.5	17.7	17.6 20.5	18.1 20.6	19 21.2	19.9 22.2	20.6	21.5	21.1	21.5	21.5 24.4	21.4 22.2	21.2 22.5	21.2 23.1	21.4	21.2	20.9	20.7
4-Nov-00 5-Nov-00	22 20.9	21.5 21.3	21.4 20.9	21 20.7	20.6 20.2	19.9	20.3	20,4	21.4 21.3	22 22.4	22.7 21.8	23.5 22.7	24.9 23.8	25.6 24.9	24.9 24.6	25 25.8	23.7 25.7	22.6 24.9	22.2 24.5	21.7	21.8	21.9 23.4	21.9 23.3	20.4 22.6
6-Nov-00 7-Nov-00	22 23.8	21.8 23.1	21.2 22.5	20.9 21.8	20.6 21.7	20.5 21.8	20.5 21.8	20.9	21.7 22.5	22.7	23.7 23.9	24,6 23.1	25,3 23.5	25 23.3	25.6 23.2	27 23.8	27.2 24.2	26.6 24.2	26.6 24.1	26.5 23.8	25.9 23.9	25.5 23.9	25.2 22.4	25.1 22.4
8-Nov-00 9-Nov-00	20.5	20.6	20.6	19.5	20.4	20 22.1	19 22.1	18.5 22.8	16.5 23.9	19.1	19.4 24.2	20.1 25.4	20.7	21.5 26.9	22 27.6	21.8	21.8 27.5	21,9 25.8	21.3 25.7	21.4 24.5	21.4	21.3	21.5 22.8	22.2
10-Nov-00	20 22,3	20.5	21.9	21.3	21.5	20,1	20	21.7	22.9	23.6	24.6	25.2	25.3	26	25.8	25.6	24.9	23,5	23	23.3	22.7	22.2	22.1	22
11-Nov-00 12-Nov-00	21,9 21,4	21.7 21.5	21.4 21.1	21.1 20.7	20.7	20.6	20.7 19.9	21 20.7	21.3 21.8	22.6 23.1	23.7 23.9	23.8 24.1	23.9 25.2	24.9 24.5	24.7 24.3	24.1 24	24.1	22.9	23 21.6	22.1	21.4	21.7	21.7 21.5	21.5
13-Nov-00 14-Nov-00	21.2 21.3	20.9 21.2	20.8 21	20,5 20,8	20.2	20.3 20.9	19.9 20.5	21.1 21.5	22.2 22.4	23.8 23.6	25.2 25.1	25.8 25,5	25.8 26	26.4 26.3	24.8 24.8	24.5 24.7	23.9 24.5	22,7 23.6	22,3 23.4	22.7 22.9	22.3	22.1 22.1	21.5 22.1	21,5 21.9
15-Nov-00 16-Nov-00	21.5 23.2	21.3	21 22	21.2	21 22	20.8 21.9	21 22.3	21.8 23.3	23.1	24.5 25.6	24.9 26.9	25.4 27.5	25.2 27.7	25.6 28.1	25.7 27.3	25.4 27	25,3 25,4	23.8 24.7	23.4 24.2	23.3	23.2	22.7 23.5	22.9 23.1	23.2 22.6
17-Nov-00 18-Nov-00	22.5 23.7	22.4	22.4 22.8	22.1	21.9	22.1	22.1	23.2 22	24.1	25,3 22.9	25 23.3	26.2 23.8	27.3	26.3 24.7	25.9 24.2	25.6 24	25.4 24	24.2 22.8	24.6 22.3	24.9 22.2	24	24.3 21.5	23.6 21.2	23.7
19-Nov-00 20-Nov-00	20,8 19,2	20.4 19	20 18.4	19.7	19.3 17.3	19.1 15.9	16.9 16.6	18.7 17.1	19 17.8	19.2	19.7 20.1	21.3	21,4	22	22.4 22.3	22.4	22.4	21.9 21	21.1	21.9 22.1	22.4	21.5 20.9	20,6 20.8	20 20,7
21-Nov-00 22-Nov-00	20.1	20.2 20.9	19.9 20.5	19.B 20	19.4 19.8	19.1 19.5	19.3 19.5	19.5 19.8	20.3 20.5	21.4 20.9	22.1 21.6	23 22.8	24.7	24 24.3	24 23.8	24.2 23.8	23,8 22.4	22.4 22.1	22.2 22	21.7 21.8	21.5 21.5	21,6 21.3		21,4 21.3
23-Nov-00 24-Nov-00	20.9	20.2	19.8 19.7	19.6 20.2	19.2 20,4	19.2 20	18.9 19.8	19.5 20.1	20.7	21.4 22.6	22.3 22.9	23 24,4	24 24.5	24.5 25.4	25.4 25.1	24.3 25.4	24.3	23,7 22.7	22.7 22.3	21.6 22.2	21,5 22.2	21.2 22	21.3 22	21.5
5-Nov-00	21,4	21.3 21.8	21.4	20.5	20,1	19,9 21	20,7	21.1	21.3 22.2	22.7	24.2	24,4	24.8	23.2	23.3	23.3	22.9	22.8 22.8	23.2	22,9	22.5	22.5 21.1	22.3 20.9	22.3
5-Nov-00 17-Nov-00	20.1	19.7	19.3	19.2	18,9	18.5	18.3	18.5	18,9	19.2	19,5 16.8	20,4	22	22.5	22.1	21.6	21.2	21.1	20.7	19.7	19	18.3	17.8	17.1
8-Nov-00 9-Nov-00	16.2 16.1	15.4 14.5	14.8	14,3	11.9	14,3	13.7	14.5 13.5	14.9 15.4	15.8 16.6	17.3	16.8	18.7	18.5	19.1	19.8 20.2	19.6	19.3 18.2	18,4 18.1	17.4	18.1	16.7 16.5	17.1 15.9	17.1
10-Nov-00 1-Dec-00	15.5 17.7	14.9 17.5	14,4 17.3	14.9 17.2	13.5 17.2	13.5 17.4	14.2	16.8 17.9	18.3	19,9 20	20,7 20,2	22.2 21.4	22.7	21 21.3	21.2 20.9	20.8 20.4	20.2	19.2 20.6	18.2 20.2	18.1 20.2	19.8	18 20	18,2 20.1	17,9 20.4
2-Dec-00 3-Dec-00	19.7 19.3	19.6 19.3	19.3 18.5	19.2 19.5	19.2 16.9	19.1 18.6	19.2 18.1	20.1 18.3	22.1 19	23.6 20.2	23.2 21.4	23.1 21.9	23.7 22.3	23.9 22.7	24,9	24.6 22	23.7	22,8 20.8	22.1 19.9	21.7	21.3	20.5 19.9	20.8 19,6	20.6 19.2
4-Des-00 5-Dec-00	18,8 19,2	1 <u>8.4</u> 19	18 18.6	17.5 18.3	17,4 18.1	17.1 17.9	15.7 17.8	15.9 17.9	18 18.1	19.2 18.4	19.9 19.1	21 19.8	21,3 20.5	21.1 21.6	21.1 20.6	21.2 20.6	21.2	20.5 19.9	20.2 20	19.8 20	19.8 19.3	19.4 19.2	19.4 19	19.4 18.7
S-Dec-00 7-Dec-00	18.6 19.1	18.3 18.5	18.2 18.6	18.3 18.4	18 17.6	18.1 17.9	18 17.8	18.1 18.3	18.5 19	20 19,5	19.9 20.2	20.3 20.5	21.2	21.1 20.8	21.2 21	21,4 20.9	20.8	20.6 20.2	20.3 19.3	18.7 18.9	19 18.4	19.3 19.2	18.7 18.7	18.4 18,5
3-Dec-00 3-Dec-00	18.1	18 18.4	17.8 18.4	17.5 18.4	17.1	17	15.6 18.3	16.5 19.1	16.8 19.3	18.3 20.4	20,6 20.1	20.9 20.4	22,6 20.5	23.1 21.6	22.2	21.8 21.8	21.1	19.9 20.7	19.3 20.7	18.7 20.6	18.7 20.8	18.7 20.3	18.9 20	18.9 20.1
0-Dec-00 1-Dec-00	19.9	19.9	20.1	19.6 18.4	19.7	19.5 18.4	19.7 18.3	20.2	20.8	21.4	23.4	23.5 25.4	24 25.2	23.6 25.3	23.5 24.6	23.2 25.8	22.8	22.7	22.4 22.7	21.8 22.4	22.5 22.4	21.7	21.1	20.9
2-Dec-00	22.2	22.Z	22.3	22.4	21.3	20.9	21.1	21.3	22.5	24	25.1	24.9	25.2	25,6	26.5	25.4	24.3	23.6	22.6	22.7	22.4	21.9	21,7	21
3-Dec-00 4-Dec-00	20.8	20.1	19.4 19.9	19.5 19.6	20 19.1	19.8 18.6	20.5 18.2	20.2 18.2	20.8 19.4	21,8 19.7	22.6 20.6	23.3	23 21.1	23.1	21.3	23.2	22.7	22.4	22.2 19.8	22.5 19.7	19.7	21.6 19.8	21 19.7	21.2 19.7
5-Dec-00 6-Dec-00	19.5 19.6	19.2 19.9	19.1 19.8	18.9 19.9	18.7 19.6	18.7 19.7	18.7 19.5	18.9 19.8	19.8 20.8	20.5	21.6 22.5	23.5	22.2	22.1 22.3	22.9 22.5	22.2 22.3	21.9 22	21.1 21.8	20,3 20,9	20 20.6	20 20.5	19.9	20.7	19.8
7-Dec-00 8-Dec-00	20.6 21.2	20.7	20,5 20,4	20 21	20.1 20.5	20.7 20.4	21 20.9	21.1 21.3	21.7	22.3 22.3	23.8 24.2	24.1 24.5	25.1 24.8	24.3 25.4	24.8 25.5	24.7 24.9	24, <u>8</u> 23.5	23.1 22.1	22.5 21.8	21.6 21.7	21.6 20,9	21 20,8	20.9 20.7	21.5 20.7
9-Dec-00 0-Dec-00	20.5 19.7	20.5 19.6	20 19.2	19.7 19.6	19.7 19.6	19.9 19.8	19.4 19.9	19.9 20	19.1 20.7	19.2 20.2	20,2 21,7	19.3 22.3	19,6 22.9	19.7 23.1	19.8 23.8	20 23.1	19.6 22	19.2 20.7	19.6 21	19.8 20.6	19 20.5	19.1 20.5	18.8 21	19 20.9
1-Dec-00	20.9	20.6	20.5	20.6	20.5	20.7	20.6	20.9 21.3	22.6 22.3	23.9	24.3 23.7	24.5	25.9	25.3 24.4	24.8	24.2	23.7	21.6	21.9	22.2	22.5	22.4	22.1	21.8
2-Dec-00	21.5	20.9	18.9	18.6	18.6	18.8	19	19.1	19.6	19.3	19,5	19,4	18	19,1	19.4	19.3	19.1	19.2	19.2	18.5	18.5	18.2	17,1	16.9
4-Dec-00 5-Dec-00	16,4 16.7	16 15.6	15.7 16.6	16.1 16.5	16.2 16.4	16.2	16 15.3	16 17	17 16.8	17.6 17.3	18.2 17.5	18 17.3	18.3	18.4	18.8	18.5	18.6 17.9	18.3 17.9	18.3 17.5	18	17.9 16.5	16.1	17.4 15.4	17.1
26-Dec-00 27-Dec-00	15.9 19.3	15.2 18.5	15.6 18.2	15,4 17.8	15.2 17.4	14,9 17.2	14.6 16.5	14.9 17.5	16.5 18.5	16.7 20.2	16.5 20.1	19.5 21	21.7	22.2	22.1 21.1	21.4	20.5 21.2	19.4 20.4	19 19,5	18.9 19.1	19.1 18.9	19.3 19	19.3 18.8	19.3 19.3
28-Dec-00 29-Dec-00	18.6 19.5	18.3 18.8	18.3 18.7	17.9 17.9	17.8	17.8 17.4	17.5 17.5	18.4 17.3	20.4 17.5	20.5 17.8	19.8 18.2	20.5 18	21.3	21.7 18.8	21.9 19.4	22.1 20	22.1 19.4	21.6 19	20.5 18.6	20.7 18.5	19.7 18.2	19.5 16.8	19.7 16	20.2 15.7
30-Dec-00 31-Dec-00	15.1	14.7	14.4	14	13,7	13.6	13.6 12.1	13.6 12.1	14.2	15.4 13.8	16,2 14.4	17.4 15.6	17.7 16.2	18.9 17.2	18.9 17.2	19.1 17.8	18.6 17.3	17.9 16.7	17.1 16	15.6 16	16 15	15.6 14.2	15.1 13.6	14.7 12.9
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	2-1	2-2	712 02712	100-100-0	F-1-1-1	elb barre	7th hour	Rib bour	Oib have	10th hour	Hath house	12th boul	13th hou	14lb bour	15th hou	16th hour	17th hour	18th hour	soth hou	POIN NOW	£1st how	02nd hau	23rd bour	DAIN how
			ara sour	4us nour	Stu Dour	our nour	1 RI NOUS	Out HODI	3011100	JULI HOU	11011100	124111004	101111100	***********	10(111100	10011100	17 di Hou	TOUT INDU	131171100	100011100	1 100 1100			~7411100
Hourly Averaged T	emperati	ite i	Ord have	Alle bassa	Eth have	Elle barre	705 hours	Blb bour	9th hour	10th bour	13th house	12lb beur	Sath bour	14th hour	15th hou	16th hou	17th hour	18th bour	19th hou	DOWN NOW	21st hou	22nd bou	23rd hour	24th hou
12 months Temp	32(1)001	<b>र</b> भक् शक्त	210 11001	AUE HOLL	SHI IXOU	OUT HIS PL	1 (1 1 1 OO)	GETTION	Jer nou	Jeni (rad	1.10111100	1 CHE TO LL	10011100	74011200	10.111100	TOUR HOU	17 (11 110 0	IDGI IIGGI	33111103					
average 4yr (deg C)	23.7	23,4	23.2	23.0	22.9	22.8	23.0	23.5	24.2	24.8	25.4	25.9	26.2	26,4	26.4	25.3	25.9	25.3	24.7	24.5	24.3	24.1	24.0	23.9
average 4yr (deg F)		74.2	73.7	73.4	73.2	73.0	73.3	74.3	75.5	76.6	77.5	78.5	79.2	79.5	79.6	79.3	78.6	77.5	76.5	76.2	75.7	75,5	75,1	75.1
average 1/1 (ocg 1 /		,	240	70,1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10,0	— <u>——</u>	,												1	<u> </u>			
Month Jan															<u> </u>					1	1			
average 4yr (deg C)	15.9	15.6	15,4	15,1	14,8	14,7	14.6	14.8	15.5	16.1	15.7	17.2	17.7	18.1	18.3	18.2	18.1	17.7	17.2	17.1	16.7	16.4	15.1	16.2
average 4yr (deg F)	60.6	60.0	59.7	59.1	58.7	58,5	58.3	58.7	60.0	61.0	62.0	63.0	63.9	64.6	64.9	64.7	64.5	63.8	62.9	62.8	62.1	61.5	61.0	61.2
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Month Feb																				<u> </u>	ļ	<u> </u>		
average 4yr (deg C)		19.4	19.1	18.7	18.6	18.7	16.6	19.1	19.9	20.7	21.5	21.9	22.0	22.3	22.2	22.2	21.8	21.2	20.7	20,6	20.3	20.2	20.2	20.3
average 4yr (deg F)	57.4	67.0	66.4	65.7	65,5	65.7	65.5	66.3	67.8	69.2	70.7	71.4	71.6	72.1	72.0	71.9	71.3	70.2	59.2	69,1	68.6	88,4	68.3	68.5
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Month March			00.0	40.0	40.6	<u> </u>	40.7	20.4	20.4	71.1	71.5	- 75.4	22.4	22.5	22.4	22.2	22.1	71.0	21.4	21.3	21,0	20.9	20.7	20,9
average 4yr (deg C)	20.5	20.2	20.0	19.6	19.8	19.7	19.7 67.5	20.1 68.1	20.4 58.7	21.1 70.0	21.6 71.0	71.8	72,3	72.4	72.3	72.0	71,9	71.2	70.5	70.3	69.8	69.6	69.3	69.6
average 4yr (deg F)	68.8	68.3	67,9	67.7	67.6	67.5	61.0	65.1	50.7	70.0	/1.0	/ 1.0	12.3	14.4	12,3	12.0	/ 1,5	/1.4	70.3	70.3	05.0	65.0	03,3	99.0
14-15-4-1					<b></b>															<del>                                     </del>				
Month Apr average 4yr (deg C)	21.6	21.5	21.3	21.1	21.1	21.0	21.4	21.8	22.5	22.9	23.2	23.7	23,8	24.0	24.1	24.0	23,7	23.2	22.8	22.5	22.2	22.0	21.8	21.8
average 4yr (deg F)	70.9	70.6	70.4	70.0	69.9	69.9	70.5	71.3	72.5	73.3	73.8	74,6	74.9	75.2	75.4	75.3	74.7	73.8	73.1	72.4	71.9	71.6	71,3	71.2
average syr (deg F)	10.5	70.6			40.0		10.0	77.0	12.0		10.0	1 11.0	1 110								1			
Month May				-																	i			
average 4yr (deg C)	26.2	26.0	25.8	25.7	25.5	25.4	25.9	25.7	27.6	28.0	28.8	29.1	29.4	29,6	29,4	29.3	29,1	28.2	27.5	27.2	27.1	25.9	25.5	26.6
average 4vr (deg F)	79.2	78.8	78.4	78.3	77.8	77.6	78.6	80.1	81.6	82.4	83.8	B4.4	85.0	85,3	84,9	84.8	84.3	82.8	81.6	81.0	80.8	80.5	79.9	79.8
																					<u> </u>			
Month Jun																					L			
average 4yr (deg C)	28.8	28.6	28.2	28.0	28.0	27.9	28.5	29.1	29.7	30.0	30,2	30.7	30.9	31.2	31.2	30.8	30,3	29.6	29,2	29.1	29.0	29.0	28.8	28.7
average 4yr (deg F)	83.8	83.4	82,8	82.4	82.4	82,3	83.3	84.3	85.4	85.9	85,4	87.2	87.5	88.2	88.1	87.5	86,6	85.6	84,6	84.4	84.2	64.2	83.8	83.7
																				<u> </u>	ļ			
Month Jul													-07.6	25.7	33.0	32.6	32.0	31.3	30.5	30.1	29.9	29.8	29.7	20.7
average 4yr (deg C)		29.2	29,0	29.0 84.2	28.9 64.0	28.8 83.9	29.2 84.5	29.9 65.9	30.7 87.2	31.2 85.1	31.8 89.3	32.4 90.3	32.6 90.8	32.7 90.9	91.4	90.7	89.6	88.3	86.9	85.1	85.9	85.7	85.5	29.7 85.4
average 4yr (deg F)	84,7	64.5	84,3	84.2	64.0	64.5	64,3	63.3	01.4	00,1	65,3	30.3	30.0	20.0	31.4	34,1	E3,0	60.0	60.3		- 65.5	93.7		00/7
Manth Aug																					-			
average 4yr (deg C)	28.2	28.1	27.8	27.5	27,6	27.6	27.8	28.5	28.9	29.4	29.7	30,3	30,6	31.0	31.1	30.7	30.1	29.5	29.1	28.8	28.5	28.5	28.3	28.2
average 4yr (deg F)	82.8	82.6	82.1	81.7	81.7	81.7	82.1	53.3	84.1	84.9	85.4	86.5	87.1	87.8	87.9	87.3	86.2	85.1	B4.3	83.9	83.3	83.2	82.9	82.8
average 437 (deg 1 A																								
Month Sept																								
average 4yr (deg C)	27,8	27.6	27.4	27.3	27.1	27.0	27.2	27.9	28.5	29,1	29.8	30.1	30.8	30.7	30.8	30,5	30,2	29.6	29,0	28.8	28.7	28.6	28.3	28.2
average 4yr (deg F)	82.1	81.7	81,4	81.1	80.7	80.6	80.9	82.3	63.4	84.5	85.6	86.2	87.4	87.2	87,4	86,9	85.4	85.2	84.3	83.9	83.6	83.4	83.0	82.8
								!																
Month Oct																				200	00.4	1 200	20.0	
average 4yr (deg C)	25,8	25.6	25.3	25.2	25.0	24.8	24.8	25,4	26,2	26.8	27,5	28.2	28.6	28.6	28.7	28.5	28.1	27.3	26.8 80.2	26,6 79,9	26,4	26.2 79.2	26.0 78.9	26.0
average 4yr (deg F)	78,5	78.0	77,6	77.3	76.9	76.7	76.7	77.7	79.1	80.3	81.6	82.8	83.5	83.8	83.7	83,4	82,5	81.1	80,2	79.9	79.5	19.2	70.9	78.9
14-15 1			$\longrightarrow$			—				<del></del> [														
Month Nov	20.8	20.4	20.1	19.9	19,6	19.5	19,4	19.9	20.7	21,6	22.3	23.0	23.6	24.0	23.8	23.8	23.4	22.6	22.2	22.1	21.7	21.5	21.2	21.2
average 4yr (deg C)	69,4	58.8	<u>20.1</u> 68.1	67.8	67.3	67.0	66,9	57.9	69.3	71.0	72.2	73.5	74.5	75.1	74.8	74.9	74.2	72.6	72.0	71.7	71.1	70.6	70.2	70.2
average syr (ecg F)	99,4		30.1	47.0		V1.0				<del></del>		<del></del>	<del></del>	<del></del> -				, = 10	7	<u> </u>	· · · · ·			
Month Dec		<del></del>										$\neg$			-	——						-		
average 4yr (deg C)	19,2	18.8	18.6	18.4	18.2	18.2	18.1	18.4	19.3	20.1	20.8	21.3	21,6	21,9	21.9	21.0	21.4	20.7	20.3	20.1	19.8	19.5	19.3	19.3
average 4yr (deg F)	66.5	65.9	65.4	55.1	64.B	54.7	64.6	65.2	66.7	68.1	69.5	70.3	70.8	71.4	71.5	71,3	70,5	69.3	68,5	68,1	67.6	67.2	66.6	8,38

# Calculation of Space Averaged Speed for HKLQ(2031)

		Peak hour				Non-Po	ak hour	
	MGV, HGV & bu	IS	Others		MGV. H	IGV & bus	Other	
Bin	VMT	Fraction	VMT	Fraction	VMT	Fraction		
0-5		0.0	···	0.0			VMT	Fraction
5-10		0.0		0.0		0.00		0.
10-15		0.0		0.0		0.00		0.
15-20		0.0				0.00		0.
20-25		0.0		0.0		0.00		0.
25-30				0.0		0.00		0.
30-35		0.0		0.0		0.00		0.1
35-40		0.0		0.0		0.00		0.0
40-45	40400	0.0		0.0		0.00		0.0
45-50	10198	100.0		0.0	10198	100.00		0.4
50-55		0.0		0.0		0.00		0.0
55-60		0.0		0.0		0.00		0.0
60-65		0.0		0.0		0.00		0.0
65-70		0.0	5639	100.0		0.00	5639	100.0
		0.0		0.0		0.00		0.0
70-75		0.0		0.0		0.00		0.0
75-80		0.0		0.0		0.00		
80-85		0.0		0.0		0.00		0.0
85-90		0.0		0.0		0.00		0.0
Total	10198	100.00	5639	100.00	10198	100.00	5639	0.0 100.0

#### Colorialism of Space Averaged Speed for SCF\_HR Hood (2831)

- 1	$\neg$																																
I.		MC-1		$\overline{}$	MC-4	~	MC-T											Fres 2	Mar														
919	VMY		Frattles	V90	f form	19 1917		oution .	VST	Fraction	20.4		HC-T		MC-4		MC-15		MC-31		Taul-3	T" -	feeld	,									$\overline{}$
P-3				4		0.0	····	- 44	7-11		Y201	otle	ne for	tien	View Fr	5994	VMT ERM			3397	Frances	YMY	Frettlen		7423-3		71 rH4	Tu		Year	4	Tubli	_
3-70	- 1		9	이		o e l		43		221				0,0		0.0		6.0	B.		17-17-7	1-1-1	Process	VMT	fatten	VMT	Fraction.	YMI	P ye estan	VHT	Freedlen	VMT P	medica i
119-15	- 1		•	<b>*</b>		8.6		66		**		2.0		0.0		0.0		0.0		Si .		1		3	9.0	9		4	0.0		9.4		90
112-50	- 1			el .		0.0		7.1		95		9.0		0.0		0.0		6 a				3		1	9.0	9	<b>t</b> .		0.0		0.0		200
20-25	- 1	581		4	1.3	8.3	463	221		0.0	4	••		0.0		0.0		0.0				:	9,	9	9,0	9	0.	٥	0.0		20		0.0
2536	- 1	1727	.1 (2	.sl	20	10.1	176	::1	**	*31	26.5	23	11	8,1]	32	0.0	٠	0.4	14 6	3 .		15.0	27		. 01	비	0.	9	9,6		0.0		أهة
30-35	- 1	1711	52	d .	16.0	124	1.06	.53	12.3		36.4	**	15	LS]	45	6.1	7	ia d	2.5 12	10	17 10	25,4		9 4		4	17 1	4 16	0.0				401
15-10	- 1			al		ne!		***	•	• • • • • • • • • • • • • • • • • • • •	379.7	153	153	65.4	455	154			7.5 12	( ::		1190	72.	\$		4	17 12	4! 21	124		5 125		المة
40-45	- 1		á	اه		ini		8.0		0.0		9,0		0.0		0.4		00	.~	3		1100	79.1	s} e:	0.0 79.0	ol .	171 70	B 146	70.6	ė	20.5		47.4
45.54	- 1			اه		on.		***		9.0		9.0		00]		0.0		64		1		1		e[	0.0	اه	0:	0	9.0		80		76
\$59-15	- 1			sl		0.0		7.1		0.0		0.0		0.0		0.0		0.0				3	D.	약	0,1	0	đ:	اه	6.0		6.0		امة
(62-60	- 1		•			0.01		22		2.0		6.0		0.6		0.0		00		3		:1		•1	01	P	0:	.0	9.6		60		6.6
99-03	- 1		هٔ	اه		201		231		2.71		اده		0.0		0.6		0.4		3	•	1	9,	•1	0.0	2	0.	oi.	0.0		6.5		173
81-70	- 1		ō	اة		9.0		221		0.0		0.0		0,0		0.01				3	0.1	1	0,	o)	0,	0	D.	اه.	امة		80		2.0
79-75	- 1			اة		DE		221		6.6		40		0.0		0.03		o a		3	27	1	D.	•Į	0.6	N	0,	اه	86		0.0		221
77-80	- 1			اه		0.0		**		6.0		0,0		0.0		0.6		04		3		1	0.0	<b>9</b>	0,0	r	0.	.0	6.6		0.0		221
80-81	- 1			اة		201		221		0.0		9.0		0.0		0.0				3		1	ο,	€Į	0.0	0]	0.	.0	90		60		5.5
11-14	I		ō	ol lo		551		57		6,0		0.0		0.0		0.0)		الم		3	9.1	1	6.1	ej	0.0	<b>)</b>	B.	اه	56		2.0		-:1
	Tytel	31	13 109.0	ē11	29 100		***	100 00				40		20		0.0)		o a		9		1	0.5	0)	0.0	0	4	٥.	9.0		0.0		22
Aleum	the vehicles o	we benedict on th	CF-190 as model apa	of he the made	44 ET 69 - 23 66	ar by Hall	***	100 101		199 00	445	109 00		09.00	\$27	100.00	37 120	60	231 100,00	<del>;                                     </del>	12 140 %	·		*		В	. 6.	.6	å el				22
		•					any resc	* GH # 10 Pr	- base year											•	198 6	11.7	100.00	1	25 180 CC	1	219 150 6	0 176	100.00		10 100.00		100.00

F	-																																
- 1			MC-1			IC-3													Bree week tree														
100		VENT		France	VMT	Frection	VVV	Fratilita	YMT	Franken	MÇ.	4	MC			5-4	7	E-10	NC.	<u> </u>	Taxis	<del></del>	TIGH										
19-3	- 1			9.0		40	<del> </del>	1215,244	791	C) Individual Control	YM	FreeHea	797	Fraction	L YM7	Fretten	VMT	Erretten	WIT	Frechen		Francisco			Test		Teal	•	Tan(-7		Testa		Yani-10
{s-s0	' I			0.6		0	ð.			22		• 0			₽	0)	P			0.0		200	<u> </u>	rection	YNT	Janes	VMI	Fraction	yid	Franting	YMI	Fraction 1	VMT frection
199-1	: 1			60		9.0	it .					4.0		9.1	•		o)		e i	8.0		3.0		9.01		6.0		0,6		8.0		0.0	0.0
\$15-1	١٠٠			a.e		0.0	í	27		9.5		0.0		0.1	•	40	ol .		ě	12				0.61		9.0		8,0		6.0		0.4	2.2
150-3	, 1			0.0		0.0		**1		5.0		4.0			1	0)	ol .		ěi.			V.0		9.61		0.0		0.6		6.5		100	:3
L25.1	•			0.0		0.0	1	2.7		2.0		6,6		0.1	Ы	9.0	ol l	á	ol	0.0		2.5		0.0		0,0		d.ej		0.0		0.0	100
30-3	. 1		2222	100.0	20	D.1 100,6	167,1	L (93.0	402			4.0		0.1	9	9.0	al .	à	at to	7.0		0.0		9.0		9.0		0.64		6.0		0.6	2.2
35-4	9 {			0.0		6.0	1		402	100.0	445,1	120.0	178.5	1001	527.1	104,1	10.	4 105	338.2	100,0	8124	100.0	107,4			0.0		0.0		lo.e		90	
140-4	, չ			200		40		561		221				4,1	N .	0.	<b>3</b>		6	0.0	*12.4	1000	147,4	100.6	724.8	160,0	219.2	100,5	175.0	100.0	110.0	100.0	4.0 100.0
45-5	a i			90			1	***		44		0.6		•.1	N .	9,1	si .	9	ā			**1		9,0		6.0		2,6		6.0		0.0	000
30-5	• 1			(4.0		• 0	1	201		2.0		0.6	1	€.1	1	•	ol .		اه			7.0		9.0		9.0		0.6		6.0		90	
35-6	• !			0.0		B 0	il .	221		113		0.1		0.1	기	4,1	)		D I	56		- 33		9.D		e.s.j		4.6		6.0		90	7.3
80-8 84-1				0.0			d .	7.51		0.01		0.0		6.1	4		)		0			- 33		2.0		9.04		0,0		9,00		0.0	251
				0.0			ı	0.01		4.01		0.0		6.1	N .	•	s		5	0.0						9.0{		0.0		19,6		9.0	9.6
79-7	!!			0,0		6.0	ı	551		227		9.6	1	0.1	4	10.1	H		5					2.9		0.64		6,0		ie.		9.0	20
127-9	9 I			9,0			ı	66		221		0.0		0,0	4	9.4	H		<b>5</b>			201		2.91		0.0}		9.0		0.0		9.0	
60-b				9.0		0.0	d .	0.0		22		9.0			4	9.6	H		ò			201				0.6)		0.0		9.6		9.0	10
63-7	بــــ			- 60			d .	66		121						8,1	1			04		200		3.19		0.0		9.0		0.0}		6.0	2.0
_	Tent		3371	105.00		20 100 00	461	100 00		109.00		- 20			1		И		6	9 6		201		- 23		# of		E.D		9.0		9.0	0.0
										(00 00)	+43	104.00	179	100 BI	1.71	100 84	4	1 100 6	234	100.00	012	(400.Bd	110	*****		901		6.0		0.0		0.5	0.0
																						1,90,00		100 001	125	100 001	219	100,00	174	100.00	119	100 007	5 100.00

# Calculation of Space Averaged Speed for BCF\_XB (2031)

	Peak and No	n-peak hour
	All vel	
Bin	VMT	Fraction
0-5		0.0
5-10		0.0
10-15		0.0
15-20		0.0
20-25		0.0
25-30		0.0
30-35	5345	
35-40	0040	100.0
40-45		0.0
45-50		0.0
50-55		0.0
55-60		0.0
60-65		0.0
65-70		0.0
70-75		0.0
75-80		0.0
80-85		0.0
85-90		0.0
Total	5345	0.0 100.00

#### Calculation of Space Averaged Speed for NLH and Airport Road [2011]

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MC-14   MC-1																																				
Second   S	TMY	MC-1	for other		MC 3	-	MC-4		MC-		MC-4		MG	-7	MC-	4	MC	-10	MC	**		1		Taul 4	_			_								
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			FIREIDA	1 - 7 m	i Prac	non v.	MT FR	ction	YMT F	ection	VMY F	raction	AM2.	ra rtion	VMT F	riction	VMT	Fraction	VAIT	Frantion	VNY E	Samuel 1	VM+													x1-10
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				2.5		0.0		9.0		0.0		0.0		0.0		5.0		0.0	d"	0.0	****		41001	FISCHOR	<u> </u>	<u> </u>	Praction	Щ.	YHT	Fracilen	YMT	Frection	VMT	Frection	VMT	Fi
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				9.0		0,6		6,0		0.0		0.0		0.0		9.5	!	0.0	3	0.0	1	2.2			0.0		٥	.0		0.0		0.0	1	0.0		
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				0.0		0.0		0.0		0.0		0.0		0.0		0.0		00	3		1	::1			6.0		0	io.		9.0		0.0	í	0.5		
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				9.0		0.0		0.0		6.0		0.0				0.0		9.0	3	0.0	1	0.0			0,B		0	.0		0.0		8.0	í	0.6		
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				0.0		0.6		6.0		6.0		2,2				0.5	i	0.0	1	0.0	1	0.0		1	8.0			(G		9.0		0.0	1	0.0	1	
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				0.0		an		0.0		0.0		***		0,4		9,0		9,0	2	0,0	1	0.0			0.6			0		0.0		0,0	1		1	
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		606.1		25	2.0	0.7	24.7	~~	45.5			2.0		0,4		9,0	i	9,0	9	0.0	1	0.0			0.0			10		2.0		0.0	1	0,0	1	
9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				20		2.7	* * * * * * * * * * * * * * * * * * * *	0.0	24.3	3,1	47.8	9,6	19.3	P.15		6,8	38,5	5.7	42.2	2.5	178.1	1.6	30.7		5.8	20.4		7	4	0,0		0.01	í	0.0		_
# 432.7 1 1.6 0.6 55.5 0.7 0.1 1.5 38.8 0.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				***		2.0		0.0		0.0		0.0	14.9	0.7		8.7	7.5	1.1	1	ac		66								5.6					2.	.2
14117.8 40 1827 55.2 6.7 6.1 1.1 58.8 0.7 0.0 0.0 0.0 0.0 1218.0 4.7 8.4 0.0 0.0 568.0 62.2 483.1 83.4 266.2 93.2 12117.8 40 1827 55.2 5.2 5.24 31227 55.3 0.0 0.0 0.0 0.0 1218.0 49.3 593.1 15.0 16.8 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		****		570		0.0		0.0		C.D		0,6	2241.0	98.5	6573.2	08.5	5616	63.7	j.	0.0	1	2.3			4.5			LC		9.9			( 3	.5 15	( c.	.7
1437.0 49.7 154.7 \$5.7 1407.9 \$5.3 240.5 43.4 132.57 \$5.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0				1.0	1.8	0.6	55.5	0,7	6.5	5,1	35.5	0.7		0.0		0.0				1.0		7.4			0.0		0	.0	568.0	93.2	453,1	.1 93.4	306	.2 93.7	4	.5
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		12117.0	4	19.7] 1	58,7	\$5.7 U	77.0	55.3	240.5	43.4	3125.7	55.2		66		9.0	l	- 27				.1.9			0.5	3.1		1.9		0.6		0.0	1	Of.		
00 00 00 00 00 00 00 00 00 00 00 00 00				9.0		0.0		0.0		0.0		0.0				***			1211.0	17.3	3037,1	30.1	251,6	4	7.8}	175.8	47	.9		0.0		0.0	1	07	l .	
00 00 00 00 00 00 00 00 00 00 00 00 00				0.0		0.0		0.0		0.0		0.0		ະສ		0.0	ļ	0.0	3	6.6	1	0,0			9.0			0.0		0.0		66	i	67	ļ	
00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		11439,9	4	6.9 1:	20.9	43.QL 31	655 8	43.2	27B B	50.4	3440.0			***		0.0	i	9.0	9	9.0	1	0.0			6.C			.a		00		0.0	1	0.0	1	
20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0				0.0		0.0		6.0		6.0	2*****	***		0,0		8.5	i	9.0	1158.5	47.0	£337.3	47.4	239.3	4	5.4	162 3	45			2.0		0.0	i	0.0	1	
50 CC	ř.			0.6		66		2.2		0,0		2.9		9.0		0.5		9.0	5)	9.0	•	o.d			0.6		7	2		0.0		9.01	1	0.0	1	
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				0.0		200		2.0		9.0		0.6		6,0		9.0	ı	9.0	7	0.0	1	0.0			0.0			- 2		9,01		0.0	1	0,0	i	
24355.5 103.0 3715.2 100.0 410.0 100.0 554.8 100.0 5555.3 100.0 1275.1 100.0 410.0 100.0 1				20		22		0.0		0.0		0.0		0,0		8.8		9,0	o)	0.0	l	0.0			50		,			0,0		9.0	í	3.0	1	
200 as a breaking on (A) is a manufal speed for the people of \$7.00 - 2,00 on the \$5 of data but \$1.00 a. \$1.00		34195 M		3.7				- 0.0		0.0		0.0		0.0		0.0		0.6	ta ta	8.0	1	0.0			22		· ·			9.0,		0.0	1	0.5	1	
	Nicles are insulted or	a ld U at an adula a a a d	100	N.M 21	1-3 1	100.Q W	450.4	129.0	554.9	1D0,0	5650.3	100.0	2275,1	100.0	E672.9	100.0	707.9	100.0	24913	100 0	11381 4	1000	COC E	* 45	0.07	200		.0		0.0		6.0	i	0,5		
	, and - and and	-triaz) at musia a peod (	us no beugg	97.599 - 23	.00 as Inc	o , ol 44	dy trethe k	r cjaza ji	the pest	hour										*****	17200.4	100.0	329,3	10	u.cj	336,4	100	ı,q	6,603	100.0	455.0	.0 100.0	328,	7 100.6	47	.4
·																																				

	1	 																																	
L.		 (C-1		. MG-	3	MC-4	$\neg$	MG-5		MC-I		14-1							gank ha																
1007	YMT	 	Fraction	VMT F	rattion	VAT Fo	uction	VMT FO	etler V	MY Fra	Han Vi	T Frack	- VEGT	F	100	MG-10		MG-51	-	Text-3			Taxi-4	r =	VaxI-5		Te	kl-6	<del></del>	Text-7		TAXI-8	$\overline{}$	Text-1	
S-10	1		9.0		0.0		0,0		0.0		6.0		.01	- 11000	10	C Pync	AON V	MI FAR	- K	MI Fra	ct on	VMT	Fraction	V	NT I	Frietlan	VMT	Frasilo	YN	T Fract	ion '				Fraction
10-15	1		0.0		0.0		0,0		0,0		0.0	Ċ	ia a	-	20		30		66		0.9		0.0	9		0.0		-	3.03		0.0		6.0		0.0
15-20	1		0.0		2.0		0.0		0.0		0.0		.0		.B		D.O		6.6		88		0,0	3		9,0			3.0		0.0		0.0		0.0
20-25	1		0.0		2.2		6.0		0.0		0.0		.04		0.0		5.0		0.0		0.0		9.0	1		0.0			10,0		0.0		0,0		9,9
25-30	1		0.0				22		0.0		9.0	9	.0	9	1.0		0.0		0.0		0.0		0.0			0.0			1.5		6,0		9,0		0.0
30-35	1	605.5	2,5	2.0	0.7	71.2	0.8	26.3	5.1	47.0	22	IB.3 (		9	1.64		0.0		0.0		0,0		0.0	2		0.0			10		0.0		0.0		9.9
35-46	1		0.6		0.0		0.0		0.0	41.0		14.9	55		1,10	9.5	5,2	62.2	2.5	178.4	1.6	30,7	\$,8	a de la companya de	20,4	5.7	1	5.7		28.8	5.9	19.3	2.0	2.2	24
43-45 45-50	1		9.0		0.0		8.0		5.0				1.7] 43 1.56 6573		1.7 1.5 56	7.8	1.1 23.7		e.g		0.0		0.0	9		0.0		5.6	3.5	4.4	0.9	3.1	1.0	6.2	7.1
50-55	1	232.1	1,0	1.0	0.6	55.5	0.7	6.1	1.1	38.8	0.7				, a		20	23.5	23	108.8	0.0	4.7	0.0			0.0	56	33.0 9	3.2	483.1	91.4	305.2	91,2	44.5	aid
55-60	1		9.0		0.0		0.5		0.0		0.0		.ol	-	a		66	10.0		100,4	12	4.1	0,9	1	3.1	0.9			0,0		0.0		0.8		0.6
60-65	1		0.0		0.04		0.0		0,0		8,C		.ol	9	1.0		9.0		0.0		60		9.0	1		0.0			3.0		0.0		0.0		0.0
65-70	1	23556.8	98.5	277,5		8233.7	0.01	519.5	93.8 S		9.04		,5		0.0		6.0		6.ci		0.0		0.0			0.0			2.0		0.0		0,0		6.0
79-75	1		0.0		0.6	B433.f	0.0	>13.0	23.6	565.6	20.52	9	.S	•	2.5		0.0	375.5	96.5 10	974.4	97,5	493.5	93.3	3	332.9	93.6			1,0		8,0		0.0		0.0
75-88	1		g.p.	ŀ	9.0		0.0		0.0		0.0		3	9	20		0.0		9.0		0,6		0.0	3		0.0			10		6.0		9.0		0.0
60-85	1		0.0		0,0		2.0		3.5		0.0	ž	<b>a</b>		(2)		0.0		9.0		90.0		0.0	Þ		0.0			1.0		3.0		3.0		82
E3-39		 	0.9		2.0		0.0		0.0		0.0		ě.				0.0		0.6		0.0		0.0	3		0.0			1,0		0.0		9.0		0.0
100	23	 24395.0	100.0	251,3	160.Q	8450.4	100.0	554.0	100.0 5	650.1 1	50.0 22	/5.1 10.	0 6672	9 100	1.0 70	7.9 10	00,0 2	451.3 3	60,0 11	7514	100.0	530 K	190.0	1		6.8			1.0		D.B		(a,e		0.6
																				3.3.4	. 44.64	320.5	100.0	۹	356.4	150.0	60	29,3 10	3.0	496,0	100.0	324.7	100.0	47.4	100.0

#### Columbian of Space Averaged Speed for ether made (1931)

		•	····																												
- 1	r		(C-(	NC.	<u> </u>												Park to														
Bto	ľ	YKI	Freston	Val		VIII 1		HES		MC-6	HC-T		H2-4		MC-III		165.11	<del>97</del>									····				
0.5	$\overline{}$			<del></del>	Fretten	Yell	mtelen	YM! First	18 VW	Freedom	VMT	Freellon	VMT 6	Mark Sept		CLE SAN			es:		1821-4		Texts		Tax14						
5-8	1	178	2	ί.	7.7		0.0		0,0		0	0.0	2,712		·-,	TALES A	VMI 3	The West	ANI	Frestien	VMT	FreeVen	YAT A	miles -		·	14a+7		Test 4	Tanteti	·
150.5	. 1	***	4,	1 :	- 44	47	2.7	12	E.4]	65 2	7} 26	211	76	331		- 27		0.0		0.03		0.0		*****	3#LI P	action .	VMI FIACUS	0 V	VMT FIATUS		FracKan
15-1		112		1 1	1.91	64	1,4	70	0.0	41 1	8 17	-		11	10	231	12	2.1]	41	2,0}		ii!	*	3	_	0.0		9.6		***************************************	THEREN
70	s I	1121,5	12.	45.0	.1:21	44	9,9	70	3.0	43 [	3 50	E S	ü	- 331		53		1,5	13	3,1\$		iid	7		!	1.7	r	6.7		.:l	221
12.	9	1529,6	261	33,5	27.	1302.0	58,4	124,0	93.0 <b>∮</b>	929.4 30 649.2 27	1 272.1	383	(6912	10.0	156.0			6,63	756	8.4	29	6.5	- 1			1.0		1.4	1		2.5
139.	s l	7005.4	48.5	22.5	***	981,4	27,6	199.6	33.1	<b>149.2</b> 27	4 373.1 4 258.4	27.5	781.3	17.1	396.1	11.0	107.5	17,0	523,0	17.3	85.8	184	913			0.5	21	6.6	19	iit :	::!
25-	:0	*	10.0	****	45.5	917,6	21.1	211.2	35.6	669.Z 27	210.2	27.7	763.5	27.4	215.5	11.1	152.6	25,3	740.0	24,3	148.4	32.3	194,4	36.1	501.0	19.3	61,1	15.31	54.4 1		13.7
lea-					9.65		9,0		0.0			8.0		-	410,5	33,0	217.5	46,1	1243.2	41.3	167.7	37.6	114.4	37.4	175.0	33,4	145.4	324	15.1		13.7
1654	اند		0.0		0.01		0.0		9.0		6	9.0		0.0		9.0		9.0		0,6		0.0	*(4.4	37.4	194.0	27,7	151,4	37.4	107.4 2	3 33	31.7
150-1	is I				2,0		6.0		0.6		0]	0.0		20		0,0		0.0		€,6		9.0		221		0.6		0.0		30 481	49.2
154				ļ	2,51		0,0		9.4]		0]	0.0		20		2.2		0.6]		0,0		0.0				4,6		40		00	0.0
64-1	5 [		• 6	ł	22		0.0		0.0]	0	a)	0,0		88		22		0.01		£0.9		0.0				0.0		6.0		101	9,01
\$5.0	a 1		8.5	[			9,0		9.0	9	0	0.0		9.4		44		0,21		6.0		9.0		3.31		**		€.0		أهد	441
10.3				!	77		9.0		4.0		•	0.6				44		9.01		0.0		6.0		20		6.01		0.0		i a	3.0
13-1			86	l			9.0		9.6	•	₹	9.0		6.0		4.01		2.0		4.0		6.6		اةة		8.03		0.0)	į.	10	
65-1	s			l	221		9.01		•.9		<b>6</b>	0.0		0.0		201		0,0		0.0		0.0		امة		2.03		0,0	7	10	0.01
65.5	4		0.5	l	771		9.0		9.0		4	6,6		0.0		e f		9.9		6.0		4,0		اةة		9.0		9.6		iol	4.0
	Fotal	£974	100.01	119	100.60		16070	414 1 The H close is the part	0.0		N	6.0		0.0		40		9.9		0.0		6.0		12		0,0		0.4	7	أقد	0.0
Ak	We No vel	cies nos trava	Dig on all other ag	of planed like	d for the serious d	27-00-28 CG AAM	10400	414 1	3.61	2465 169.6	959	150 00	2843	100.00		193.60	401	(0000		0.0		9.0		86		0.9		9.6	- i	101	55
								ALC IN COLD IN US DAY	I WOOL								294	100.00	30/1	100.00	415	109 69	306	100 60	434			9.0	į.	ıel	0.01
																									378	160,60	421	120 Bd	244 105	44	

	1																																
- 1	r		E.1	1		,																											
lste		Var	Frection	VMY	MU-G		Ç-4	ME	3	HC4		MC.		uc a		7.2		Mangeak	Apple														
133	<del></del>		FIFEWRI	- THE	Fraction	YK?	Frecuen	YW1	Fraction	VMI	Fraction	VMT	Fraction	VMT FO	c¥on .	MC.SI		HC-11		-	List.	Tai	<b>!</b>										_
3	. I			1	0.0		6,0				60		1127201	1 1	COON	VMI	freeva.	VMS	Freetan	JMI	Eruckan,	YET	Friction	1014		1014		Test					J
15.7			8.9	1	0.0	}	8.0		0.01		2.01		0.61		0.0		6.0		54			<del></del> :	LUITERA	YH	Frection	VMT	Ernzwen	YMT		T611-I		7431-10	1
1,2.	. 1		0,0	1	ه.ه	1			776		0,0		9.0		0.0		2,0		- 44		***		D,0		9,0				Freston	YMT	Fraction )	VMT FOLLOW	1
18-3			0.0	·l	6.0	l	2.0		2.2(		0.0		9.0		0.0				221		9.03		0.0		9 6		2.3		0.0		4.6	20	4
36-3	s 5		0.0	1		l	221		•,0		9,0		0.0		6.6				201		13.0		9.0		4.0		9,0	1	0.0		0.0	27	.i
75-7			80	(	0.0	l	0.01		0.0		4.0		0.9		60		201		0.01		9.0		0.0		7.0		9,0		0.0		88	0,0,	.i
35-1 33-4	s I	6673.5	186.0	118.	7 103.6		6.0		9,6		6,0		9.6		n n		2.25		0.0		9,0		6.0		::1		P.0		0.6		9.0	9.0	.i
22.4	• 1	******	114.4	í ""	102.0	359.2	100,0	#29,1	109.0	2405.5	100,0	517.2	10.00	2442.3	100.6	11112			9.9		0.0		0.0		0,0		0,0	i .	2.6		4.0	V/61	
10-1			***	1	9.0		9.0		P.0		6.0		100		100.0	11112	100.0	6443	109.6	3040.5	5 100,6	413.7	100.0	****	•//		0.0		0.0			0.0	1
15-5			6.0	1	0,0	i	6,0		5.01		40		- 1		0,0		0.0		0.0		9.0		100.01	395.0	160,0	524.5	169.0	470.6	100.0		e,c	9,03	4
10.1	? I		0,8	1	0,0		40		9.0		7.7		2.01		8.0		0.0		0,0		اقة		9.01		0.6		0.0		,00,0	265.1	100.0	72.3 100.0	4
133.5	• 1		40	!	0,0		9.0		531		0.0		9,9		0,6		9.0		401				9.0		0,0		9.0				8,0	0,07	4
55.6			6,0	ſ	9.4		0.01		22		9.0		9,0		€,0]		0.6		6.01		9.91		0.0		0.0		221		8.0)		6,0	0.0	A
[60.4			0.0	!	60				2.7		9.0		0.0		5,€		es		2.0		0.0		9.8		0.0		2.1		0.0		9.6	6.0	.1
65.7	• F		0.6	ı	0.0		9.01		4.6		8,6		9.8		5.0		- 6				9.9		0.0		40		0.01		60)		4.0	0.0	.1
70.7	5 I		0.0	ı	2.01		4.6		0,0		0.07		0.01		40		2.00		9.0		0.6		6.0		7.7		g,o <sub>2</sub>				اهم	77	.1
154			20	l	9,01		8,0		0.0		5.0		6.0		2.0		3.51		8,6		4.6		9.0		2.7		0,0		46		221	8.0)	į
69.6			2.0	Į	9,0		9,9		0.6)		0.0		0.0		***		8.0		9.6		0.6		6.61		4.4		0.0		0.6		0.0	9.0)	í
65-1			4.0	i	0,0		6,0		0.0]		2.0		22		7,5		66		0,6		6.0		201		4.0		0.6		20		• •	0,0	1
63-31			<u> </u>		<b>0</b> .0		9.8		9 9		22				0.0		0,0		0.0		6.0		9,9		9.6		9.0		2.5		0.0	6.9	4
٠	[ [ [ [ ] ]	6014	93.59	11	100.00	3558	100.00	175	160.60	7404	100.00		a,b		9.6		00		6.01		not		4.0		(4.9		94		22		0.0	0.9	4
							77.541			2113	140.54	353	100 00	214)	100.00	HIII	100.60	154	100.00	3541	100.64		4.9	_	0.6		201		4.0		0.0	120	1
																			14124)	~~	100,00	415	102 90	324	160,00	676	170 451		- 60		0.9)	0.0	1
																											100 001	471	100.00	715	100.64		4

Title: Calculation of no. of trips (MC executable)

	no, of trips (MC e)	***	in the study region	n for 24 hours	
Gas MC-1	190.271	109,503	74.873	68.523	79.636
	124.561	247.061	452.425	524.354	399.419
	385.615	406.801	449.663	444.821	429.769
	403.194	428.158	442.887	408.927	369.007
	322.449	313.039	290.843	269.216	
MC-2	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-3	0.000	0.000	0.000	0.000	0.000
	0.000	0,000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-4	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-5	5.021	2.812	1.884	1.659	2.073
	3.223	6.484	11.853	13.801	10.473
	10.016	10.661	11.700	11.615	11.207
	10.529	11.179	11.583	10.795	9.712
***	8.415	8.171	7.631	6.968	
MC-6	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
MC-7	0.000	0.000	0.000	0.000	0.000
INIC-1	0.000	0.000	0.000	0.000	0.000
	0.000	0.000 0.000	0.000 0.000	0.000	0.000
	0.000	0.000	0.000	0.000 0.000	0.000
	0.000	0.000	0.000	0.000	0,000
MC-8	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	2.000
MC-9	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-10	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-11	114.795	65.409	43.989	41.673	50.049
	74.911	151.000	275.630	316.964	241.625
	236.195	248.271	273.108	270.674	260.079
	245.848	259.617	268.749	248.699	222.894
***	194.984	189,951	176,832	161.976	
MC-12	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
880.40	0.000	0.000	0.000	0.000	
MC-13	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	

		No of trips in	n the study region	for 24 hours	
Diesel MC-1	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
•	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-2	0.000	0.000	0.000	0.000	0.000
1	0.000	0.000	0.000	0.000	0.000
1	0.000	0.000	0.000	0.000	0.000
•	0.000	0.000	0.000	0.000	0.000
•	0.000	0.000	0.000	0.000	
MC-3	4.222	2.280	1.378	1.264	1.442
1110-10	2.604	5.452	10.647	12.261	9.405
	9.333	9.543	10.647	10.610	10.140
	9.490	10.070	10.472	9.600	8.442
	7.661	7.414	6.859	6.346	02
MC-4	124,121	71.024	48.924	44.651	51.943
[ WIG-4	81.241	161.360	295.868	342.655	260.931
	251.734	265.892	294.050	290.674	281.380
	263.219	279.905	289.332	267.286	240.896
					240.000
	210.269	204.465	189.872	176.059	1.615
MC-5	3.804	2.095	1.427	1.263	
	2.391	4.776	8.737	10.345	7.750
	7.490	7.922	8.686	8.606	8.290
	7.872	8.259	8.596	7.938	7.203
	6.292	6.183	5.738	5.220	00.000
MC-6	64.889	37.207	25.578	23.204	26.886
	42.343	84.159	154.478	178.908	136.449
	131.618	138.997	153.450	152.011	146.584
	137.507	145.976	151.085	139.611	125.769
	110.055	106.811	99.206	92.132	
MC-7	29.796	17.277	11.600	10.602	12.303
	19.544	38.830	71.119	82.225	62.644
	60.470	64.162	70.379	69.786	67.691
	63.169	67.589	69.590	64.369	57.954
	50.397	49.263	45.673	42.345	
MC-8	87.529	50.217	34.603	31.389	36.811
	57.515	113.659	208.584	241.966	184.173
	177.899	187.563	207.069	205,184	198.017
	185.821	197.243	204.207	188.704	169.923
	148.298	144.121	134.344	124.484	
MC-9	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	<b>.</b>
MC-10	50.603	29,279	20.374	18.676	21,649
	33.017	65.370	119.606	138.694	105.777
	102.125	107.354	118.800	117.574	113.868
	106.820	113.108	116.820	108.506	98.417
	85.009	82.738	77.224	71.409	
MC-11	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0,000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-12	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-13	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
Electric MC-1	0.000	0.000	0.000	0,000	0.000

		No of trips i	n the study regior	for 24 hours	
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-2	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
MC-3	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
MC-4	0.000	0.000	0.000		0.000
11.0-4	0.000	0.000		0.000	0.000
	0.000		0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
		0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	
MC-5	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
İ	0,000	0.000	0.000	0.000	
MC-6	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-7	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-8	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-9	0.000	0.000	0.000	0.000	0.000
,	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
MC-10	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
	0.000	0.000	0.000	0.000	0.000 0.000
	0.000	0.000	0.000	0.000	0.000
MC-11	0.000	0.000	0.000		0.000
1870-11	0.000	0.000		0.000	0.000
			0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
MC 40	0.000	0.000	0.000	0.000	
MC-12	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	
MC-13	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000
		0.000	0.000		3.000

Title: Calculation of no. of trips (taxi executable)

Gas	Taxi-1	0	No of trips i	n the study regior 0	of for 24 hours	
Oas	I dal-1	0	0			0
		0	0	0 0	0	0
		Ö	0		0	0
		0	0	0	0	0
	taxi-2	0	0	0	0	_
	laxi-2			0	0	0
		0	0	0	0	0
		0	0	0	0	0
	İ	0	0	0	0	0
		0	0	0	0	
	taxi-3	24.818	14.285	9.759	8.974	10.34
		16.249	32.285	59.2	68.6	52.209
		50.433	53.216	58.717	58.169	56.142
		52.65	55.99	57.897	53.583	48.204
		42.101	40.898	37. <del>9</del> 98	35.297	
	taxi-4	0	0	0	0	0
	ĺ	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	-
	taxi-5	0	0	0	0	0
	-	0	0	1.075	1.293	0.984
		0.946	1.013	1.075	1.071	1.055
	į	1.005	1.04	1.071	1.013	0
		0	0	0	0	U
	taxi-6	0	Ö	0	0	0
		Ö	ō	ō	0	
		Ö	ŏ	0	0	0
		Õ	0	0	0	0
		ő	Ö	0		0
	taxi-7	ő	0		0	
	rayı-ı	0		0	0	0
		0	0	0	0	0
			0	0	0	0
		0	0	0	0	0
	4	0	0	0	0	
	taxi-8	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	
	taxi-9	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
	-	0	0	0	0	0
		0	0	0	0	
	taxi-10	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
	İ	0	0	0	0	
	taxi-11	0	0	0	0	0
		0	0	0	0	Ō
	Ī	0	0	0	Ö	o .
		0	0	Ō	Ö	0
		0	0	ō	ő	- I
	taxi-12	0	Ō	Ö	Ö	0
		Ö	o	Ö	0	0
	1	ő	Ö	Ö	0	
		0	0	0		0
		0	0	0	0	0
	taxi-13	0	0		0	_
	נמעודון			0	0	0
	I	0	0	0	0	0
	į.					
		0	0	0	0	0
		0	0	0	0	0

		No of trips i	n the study regior	for 24 hours	
Diesel taxi-1	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-2	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-3	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-4	0	0	0	0	0
	0	0	7.489	8.66	6.549
	6.381	6.683	7.426	7.272	7.093
	6.612	7.068	7.259	6.778	0
	0	0	0	0	_
taxi-5	0	0	0	0	0
	0	0	3.958	4.615	3.465
	3.369	3.524	3.949	3.911	3.717
	3.496	3,715	3.908	3.545	0
	0	0	0	0	
taxi-6	18.186	10.872	7.033	6.703	7.97
	11.994	24.037	43.969	50.536	38.824
	37.601	39.394	43.751	43.327	41.575
	39.048	41.575	43.239	39.738	35,797
	31.565	30.2	28.452	26.101	
taxi-7	14.266	8.203	5.458	5.109	5.73
	9.055	18.904	33.921	39.469	30.421
	28.666	30.804	33.723	33.39	31.936
	30.502	31.859	33,351	30.897	28.043
	23.985	23.377	22,106	19,964	0.40
taxi-8	8.528	5.021	3.241	3.038	3.42
	5,89	11.288	21.384 21.19	24.39	18.615
	18.06	18.814		20.898	20.338 17.536
	18.72	20.338	20.884 13.565	18.895 12.542	17.550
4	15.137 0	14.821 0	0	0	0
taxi-9	0	0	0	0	0
	0	0	0	0	0
	Ö	0	0	0	Ö
	o	ő	0	0	Ů
taxi-10	ſ	2.815	2.093	1.291	2.174
(dxi-10	3,222	6.036	11.16	13.06	10.717
	9.87	10.725	11,111	11.106	11.087
	10.725	11.087	11.106	10.783	8.625
[	8.11	8.11	7.62	6.393	
taxi-11	0	0	0	0	0
1	Ō	0	Ō	Ō	0
	0	0	ō	Ō	0
	0	0	0	0	0
	0	0	0	0	
taxi-12	Ō	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-13	ŏ	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
Electric taxi-1	0	0	0	0	0

		No of trips i	n the study regio	n for 24 hours	
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-2	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-3	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	Ō
	0	0	0	0	0
	0	0	0	0	*
taxi-4	0	0	0	Ō	0
	0	0	Ō	Ô	Ö
	0	Ő	0	0	0
.	Ö	0	0	0	0
	o	ō	0		U
taxi-5	0			0	^
taxi-5	0	0	0	0	0
		0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-6	0	0	0	0	0
	0	0	0	0	0
ļ	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-7	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-8	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	Ō
	0	0	0	0	0
	0	0	0	0	
taxi-9	0	0	0	Ō	0
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	0	0	0	0	ő
	Ö	Ö	0	Ö	0
	Ö	Ö	0	Ö	J
taxi-10	ő	0	0	0	0
	ő	0	0	0	0
	ő	0	0	0	0
	ő	0	0	0	0
	o	0	0	0	U
taxi-11	0	0	0	0	0
(dx)-11	ő	0	0		
	Ö	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
taxi-12	0			0	^
EdXI-14	0	0	0	0	0
	0	0	0	0	0
		0	0	0	0
	0	0	0	0	0
	0	0	0	0	
taxi-13	0	0	0	0	0
	0	0	0	0	0
1	0	0	0	0	0
	0	0	0	0	0
· ·	0	0	0	0	

Number of trips is zero for the following road categories:

- HKRL
  BCF associated roads (both connecting to Airport and BCF)
  NLH and Airport Roads

		***			MC Exec	utable			70.0					<del></del>					
A	MC-1	MC-3	MC-4	MC-5 (G)	MC-5 (D)	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxi-4(G)	Taxl-4(D)	Taxi-5(G)	Taxi-5(D)	Table			
\ge	PC+LGV-	PC+LGV		it PLB - petrol	PLB - diesel		HGV<15t	HGV>15t	FBDD	MC - petrol	Taxi	PrLB<3.5t-	Prl B<3.5t-	PrLB>3.5t-	Drl D>3 54	Taxi-6	Taxi-7	Taxi-8	Taxi-1
4	petrol	<2,5t-dleset	diesel			diese				ŕ		petrol	diesel	LPG	diesel	NFB<6.41	NFB6.4-15t	NFB>15t	FBSE
1 2	33270	5	3308	52	61	1104	571	1553	68	4133	336	0	319	108	80	400			
3	27133 26360	2	3158	60	16	1140	556	1585	114	3878	389	ō	121	70	29	193	156	207	5
4	26624	1	3013	1075	89	1151	578	1605	50	4186	449	ō	266	34	28	182	170	203	0
5		1	2178	673	191	1227	538	1885	177	4277	584	0	225	66	60	157	156	250	3
6	21979	1	1563	333	133	1084	354	1367	191	3808	1483	ō	253	90		202	116	171	7
7	29019	1	1712	285	42	1390	539	1554	410	3686	2609	0	234	48	19	312	128	168	14
8	32351	3	2102	17	158	1538	428	1526	359	3040	9235	ō	189	3	34	393	146	172	0
-	31297	2	2372	0	136	1784	506	2258	381	2160	3002	0	343		63	438	238	156	3
9	25779	4	2417	0	174	1353	472	1372	487	2025	73	ő	213	2 0	79	357	157	99	19
10	27820	130	3109	0	167	1437	419	1400	921	1732	0	0	253		140	265	205	85	38
11	32658	272	3441	0	196	2268	649	2297	751	1718	4	0	208	0	189	198	223	106	127
12	14995	185	1952	0	122	1785	442	1782	388	1197	2	0		0	150	210	212	73	13
13	12173	267	1819	0	116	1535	519	1557	380	894	1	0	60	0	86	195	306	42	3
14	13464	394	2209	0	111	1779	713	1823	318	562	Ö	0	75	0	165	147	210	23	17
15	8391	460	2466	0.	74	2090	927	1837	207	328	Ö	0	49	0	141	54	66	5	18
16	4786	286	1862	0	29	2022	1043	2150	158	209	0	0	36	0	77	43	30	0	59
17	1900	241	630	0	22	701	674	1400	156	144	Ö	0	26	0	55	15	44	41	21
18	1101	304	376	0	14	491	289	894	6	109		-	0	0	56	0	64	0	21
19	697	207	78	0	4	342	205	634	0	98	0	0	0	0	26	0	42	0	1
20	432	139	25	0	0	233	166	429	0	1	0	0	7	0	23	0	13	0	Ó
21	247	101	12	0	0	102	79	308	0	39	0	0	0	0	10	0	10	0	0
22	204	61	6	0	ō	35	34	81	0	28	0	0	0	0	9	0	5	5	Õ
23	112	8	3	ō	Ô	5	13	94	O O	10	0	0	5	0	Ð	0	0	2	ō
24	53	7	0	0	0	2	4		-	5	0	0	0	0	3	0	0	0	ō
25	40	7	2	0	0	0	0	13 7	0	5	0	0	0	0	0	0	Ö	10	٥
26	93	4	0	ō	ő	0	1	· · · · · · · · · · · · · · · · · · ·	-	10	0	0	0	0	0	0	0	7	0
27	102	10	0	0	Ö	4	1	6	0	15	0	0	0	0	0	0	Õ	o O	0
28	95	5	ō	0	0	0	0	2	0	20	0	0	0	0	0	1	0	0	0
29	51	3	0	Ô	0	0	0	3	0	11	0	0	0	0	0	0	o	0	0
30	42	4	Ö	Õ	0	1	=	0	0	7	0	0	0	0	0	0	ő	0	
31	38	5	n	0	0	0	0	0	0	2	0	0	0	0	0	ñ	0	1	0
32	31	ō	0	0	0	0	0	1	0	3	0	0	0	0	0	ō	0	0	0
3	24	Ō	Ô	Õ	0	0	0	0	0	2	0	0	0	0	0	ō	o O	ก	-
4	31	ō	0	o o	0	-	0	0	0	1	0	Ð	0	0	o	0	n	0	0
5	56	ő	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
6	28	o o	0	0	•	0	0	0	0	8	0	0	0	0	Ö	0	0	-	0
7	18	0	0	ū	0	0	0	0	0	4	0	0	0	ō	0	0	-	0	0
8	35	-	-	0	0	0	0	0	0	3	0	0	Ö	Ö	0		0	4	0
9	35 17	0	0	0	0	0	0	0	0	3	Đ	0	ő	0	0	1 0	0	0	0
0		0	0	0	0	0	0	0	0	3	0	ō	Õ	0	0	-	0	0	0
	5	0	0	0	0	0	0	0	0	1	Ö	Ö	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0	0	0	0	n	-	0	0	0	Ð
2	2	0	0	0	0	0	0	0	0	1	0	o o	0	0	0	0	0	0	0
3 4	7	0	0	0	0	0	0	0	0	1	0	Ö	0	o O	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	o l	Õ	0	0	0	0	0	0	0	0
5	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 1	0	0	0

				-	MC Exe	cutable						<del> </del>							
Age	MC-1 PC+LGV-	MC-3 PC+LGV	MC-4	MC-5 (G)	MC-5 (D)	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxi-4(G)	Taxi-4(D)	Taxi-5(G)	Tavi-5/D)	Taxi-6	Taxi-7	Tank 6	T 40
vãe	petrol	<2.5t-diesel	LGV2.5-3.5 diesel	it PLB - petrol	PLB - diesel		HGV<15t	HGV>15t	FBDD	MC - petrol	Taxi	PrLB<3.5t-	PrLB<3.5t-	PrLB>3.5t-	Pri R>3.5t-		NFB6.4-15t	Taxi-8 NFB>15t	Taxi-10 FBSD
1	717	0	6			diesel						petrol	diesel	petrol	diesel	111 6 -0.41	141 00.4-101	141 0> 131	FOOD
2	849	0	8	0	0	82	68	756	0	0	0	0	0	0	0	4	0	48	0
3	764	0	8	0	0	76	69	807	0	0	0	0	0	0	ō	4	Ö	49	Ö
4	801	1	8	0	0	74	82	701	0	0	0	0	0	0	0	4	0	95	Ö
5	528	0	4	0	0	79 50	98	1309	0	0	0	0	0	0	0	5	6	43	ő
6	559	0	14	0	0	52 56	67	823	0	0	0	0	0	0	0	3	4	17	ō
7	612	0	10	0	0	114	93	640	0	0	0	0	0	0	0	0	12	65	ō
8	359	1	6	Ö	ō	98	143	1149	0	0	0	. 0	0	0	0	1	30	68	0
9	309	0	3	ŏ	ő	88	91 117	965	0	0	0	0	0	0	0	5	25	38	ō
10	348	0	8	ō	ő	88	145	878	0	0	0	0	0	0	0	3	28	7	0
11	204	0	4	Ö	Ö	89	201	1065 1151	0	0	0	0	0	0	0	2	9	1	0
12	210	1	4	Đ	ō	102	228	1361	0	0	0	0	0	0	0	0	9	1	0
13	47	0	0	0	ō	33	136		0	0	0	0	0	0	0	1	3	1	0
14	28	0	G	0	ō	25	61	866	0	0	0	0	0	0	0	0	0	1	0
15	28	0	0	ō	n	15	37	390	0	0	0	0	0	0	0	0	0	0	0
16	15	0	0	ō	n	9	41	244	0	0	0	0	0	0	0	O	0	o	0
17	10	0	0	ō	ñ	4	21	164	0	0	0	0	0	0	0	0	0	0	0
18	6	0	0	ō	Ô	1	2	67	0	0	0	0	0	0	0	0	0	0	0
19	2	0	0	ō	ň	Ó	2	12	0	0	0	0	0	0	0	0	0	0	0
20	2	0	Ó	ō	ō	n	0	12	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	ō	o o	0	0	1	0	0	0	0	0	0	0	0	0	Ð	0
22	5	0	0	Ö	o o	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
23	4	0	0	ō	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	Ō	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	õ	G.	0	0	•	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	ō	n	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	Ō	ñ	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	Ō	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	ñ	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	ō	ō	Ö	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	n	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	Ö	0	0	0	0 0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	Ō	ō	O	0	n	_	0	0	0	0	0	0	0	0
34	0	0	0	0	0	Ō	ő	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	ō	ő	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	Ö	0	o o	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	Ō	ō	Ô	0	0	0	0	0	0	0	0	0	0	0
38	0	0	O	0	0	ō	ō	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	Ō	ō	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	ō	Ô	n	0	n l	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	Õ	0	0	0	0	0	0	0	0	0	0	0	0	0
42	0	0	0	0	ŏ	o o	0	0	U N	- 1	0	0	0	0	0	0	0	0	0
43	0	0	0	0	ō	Ď	0	0	•	0	0	0	0	0	0	0	0	0	0
44	0	0	0	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	Õ	0	0	0		0	0	0	0	0	0	0	0	0	0	0
				<del></del>				0	0	0	0	0	0	0	0	0	0	0	0

Summary of VMT for each hour for BCF (cross-boundary vehicles)

	our	MC-1	MC-3	MC-4	MC-5(G)	MC-5(D)	MC-6	MC-7	MC-8	MC-10	MC-11	Taxl-3	<b>T</b> 14							
0:00	1:00	583	0	5	0	0 \	54	82	647	0	0		Taxi-4	Taxi-5(L)	Taxi-5(D)	Taxi-6	Taxl-7	Taxi-8	Taxl-10	Total
1:00	2:00	405	0	5	0	0	36	59	451	ň	0	0	0	0	0	11	45	153	0	1580
2:00	3:00	244	0	0	0	0	23	33	271	0	-	0	0	0	0	7	29	106	0	1098
3:00	4:00	198	0	0	0	0	18	28	217	n	0	U	0	0	0	5	18	64	Ö	659
4:00	5:00	201	0	0	0	Ō	18	28	223	0		U	0	0	0	5	16	52	0	534
5:00	6:00	367	0	2	0	ō	33	54	407	v	0	U	0	0	0	5	16	53	0	545
6:00	7:00	729	0	5	Ó	Ō	64	102	809	0	0	0	0	0	0	5	29	98	ō	995
7:00	8:00	1273	0	10	Ö	ñ	113	179	1404	0	0	0	0	0	0	13	56	191	Ō	1969
8:00	9:00	1599	0	10	0	ñ	144	226	1768	U	0	Ü	0	0	0	24	98	331	Ö	3431
9:00	10:00	1563	0	10	ō	ñ	141	221	1706	u	0	0	0	0	0	29	122	420	Ö	4318
10:00	11:00	1727	0	10	ō	Ö	156	243	1911	0	0	0	0	0	0	29	117	409	0	4215
11:00	12:00	1893	0	12	ō	n	170	266	2093	0	U	0	0	0	0	34	133	452	ō	4666
12:00	13:00	1957	0	12	Ō	ñ	177	274	2162	Û	U	0	0	0	0	34	143	497	ő	5108
13:00	14:00	1953	0	12	Ō	Ô	174	274	2159	0	U	0	0	0	0	39	149	513	0	5284
14:00	15:00	1659	0	10	ō	Ô	150	233	1833	0	U	0	0	0	0	36	149	510	ō	5267
15:00	16:00	1775	0	10	ō	n	161	249	1963	0	U	0	0	0	0	34	128	436	ō	4483
16:00	17:00	1875	0	12	ō	Ö	167	264	2070	ט מ	0	0	0	0	0	34	133	465	ō	4790
17:00	18:00	1979	0	15	0	0	177	279	2188	0	_	0	0	0	0	34	143	492	0	5059
18:00	19:00	1904	O	12	0	Ō	172	269	2106	0	0	0	0	0	0	39	151	517	0	5345
19:00	20:00	1845	0	12	0	Ð	167	259	2039	0	0	0	0	0	0	36	145	499	0	5144
20:00	21:00	1591	0	10	0	Õ	141	226	1758	n		U	0	0	0	34	140	485	0	4981
21:00	22:00	1376	0	10	0	0	123	194	1520	0	0	U	Ü	0	0	29	122	417	0	4294
22:00	23:00	1062	0	5	0	0	97	151	1175	0	0	U	0	0	0	27	104	359	0	3713
23:00	0:00	1041	0	5	0	ō	92	146	1150	0	0	U	0	0	0	21	80	277	0	2870
	Total	30802	0	193	0	0	2767	4340	34050	0	0	U	0	0	0	18	80	273	0	2806
						<del></del>		.546	04000	<u> </u>	<u></u>	0	0	0	0	587	2347	8069	0	83154

[1] The definition of PrLB is defined in Roads Ordinance. This includes light bus for school, handicapped and works unit. Owing to the operation nature, it is reasonable to assume the operation time is between 0700 to 1900. The VMT during the other hours is zero.

### Vehicle classes

MC-1 PC+	LGV-petrol
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MC-3 PC+LGV<2.6-dlesel

MC-4 LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-B HGV>15t-diesel

MC-10 Fran DD bus - diesel

MC-11 Motorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-dieset

Taxi-5 PrLB>3.5t (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-dieset Taxi-B Non-fran bus>15t-diesel

Taxi-10 Fran SD bus - diesel

VMT Summary BCF (HK) - VMT.xls

# Summary of VMT for each hours for BCF (HK vehicles)

He	our	MC-1	MC-3	MC-4	MC-5(G)	MC-5(D)	MC-6	MC-7	MC-B	MC-10	MC-11	T							·	
0:00	1:00	983	7	195	11	9	132	52	156			Taxi-3	Taxi-4	Taxi-5(L)	Taxi-5(D)	Taxi-6	Taxi-7	Taxi-8	Taxi-10	Total
1:00	2:00	590	4	119	5	4	78	31	95	28	99	240				65	51	35	1	2153
2:00	3:00	422	3	84	4	3	56	22	67	17	60	143				39	30	21	1	1291
3:00	4:00	298	0	59	3	2	39	15	47	13	42	104				26	23	15	0	922
4:00	5:00	319	2	63	3	3	41	16	50	10	31	72				21	16	8	0	646
5:00	6:00	795	4	158	9	7	106	43	126	11	32	78				21	17	11	0	695
6:00	7:00	2007	11	403	24	18	270	108	317	23	80	194				52	42	27	1	1740
7:00	8:00	3403	21	683	40	31	456	183	539	55	204	491				132	106	72	3	4411
8:00	9:00	3782	25	758	46	34	506	204	598	91	346	831	192	27	102	224	179	121	5	7474
9:00	10:00	3131	20	627	37	29	420	169	495	103 85	386	925	213	30	113	248	200	135	6	8312
10:00	11:00	3238	20	650	39	29	433	174	512	87	318	765	176	25	93	206	165	111	4	6876
11:00	12:00	3384	21	679	40	31	454	183	536	90	329	793	180	26	96	213	171	116	4	7111
12:00	13:00	3572	23	716	42	32	478	191	565	94	345	828	192	26	101	224	178	121	5	7435
13:00	14:00	3553	23	712	42	32	475	191	562	94	364	873	201	29	106	234	188	129	5	7842
14:00	15:00	3601	23	721	44	32	482	194	569	98	362	868	200	28	106	234	188	128	5	7803
15:00	16:00	3169	20	635	37	29	425	171	502	86	366	881	203	30	106	237	191	129	5	7913
16:00	17:00	2945	19	589	36	27	395	158	467	81	323	774	178	25	94	210	168	113	4	6965
17:00	18:00	3323	20	667	39	30	445	179	527	89	299	721	166	24	86	193	156	105	4	6472
18:00	19:00	3770	25	757	46	34	504	203	596	103	338	812	187	26	99	219	176	119	5	7301
19:00	20:00	3213	20	646	38	29	429	173	508		383	921	212	30	111	248	199	134	6	8282
20:00	21;00	3051	20	612	37	28	409	164	482	86	328	787				212	170	114	4	7057
21:00	22:00	3084	20	618	37	28	414	165	487	83 83	311	747				201	161	109	4	6705
22:00	23:00	3017	20	605	36	28	404	162	407 477		314	755				203	163	109	4	6772
23:00	0:00	2265	15	454	27	20	303	123	360	83	307	738				199	158	108	4	6630
	Total	60918	386	12211	721	546	8154	3273	9640	60	231	553				150	121	82	3	4983
					<u> </u>	10	0104	3213	3040	1650	6197	14894	2300	325	1213	4012	3215	2174	88	133789

### Note:

[1] The definition of PrLB is defined in Roads Ordinance. This includes light bus for school, handicapped and works unit. Owing to the operation nature, it is reasonable to assume the operation time is between 0700 to 1900. The VMT during the other hours is zero,

### Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7

HGV<15t-diesel MC-8

HGV>15t-dieset MC-10

Fran DD bus - diesel MC-11 Motorcycle -petrol

Taxl-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5! (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-dieset Taxi-7

Non-fran bus<6.4-15l-diesel Taxi-8 Non-fran bus>15t-diesel

# Summary of VMT for each hour for HKLR(cross-boundary vehicles)

	our	MC-1	MC-3	MC-4	MC-5(G)	MC-5(D)	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Tax 1	T. 1 = 0.1						
0:00	1:00	1987	0	17	0	0	177	269	2122	0	0	0	Taxl-4	Taxi-5(L)	Taxi-5(D)	Taxl-6	Taxl-7	Taxi-8	Taxi-10	Total
1:00	2:00	1372	0	17	0	0	118	194	1482	0	0	0	0	0	0	34	143	488	0	5237
2:00	3:00	825	0	0	0	Ö	76	109	893	0	0	0	0	0	0	25	93	337	0	3637
3:00	4:00	674	0	0	0	Ō	59	93	707	0	0	0	U	D	0	17	59	202	0	2181
4:00	5:00	682	0	0	0	ñ	59	93	733	0	0	U	0	0	0	17	51	160	0	1760
5:00	6:00	1246	0	8	Ô	ñ	109	177	1339	0	0	Ü	0	0	0	17	51	168	0	1802
6:00	7:00	2475	0	17	0	ñ	211	337	2653	0	U	U	0	0	0	17	93	311	0	3301
7:00	8:00	4327	0	34	Õ	n	371	589		•	Ü	U	0	0	0	42	177	606	0	6517
8:00	9:00	5439	0	34	0	Ô	472	741	4606	0	0	0	0	0	0	76	311	1044	Ō	11358
9:00	10:00	5312	ō	34	Ö	0	463		5802	o -	0	0	0	0	0	93	387	1330	ŏ	14297
10:00	11:00	5868	Ö	34	0	0	403 514	724	5667	Ü	0	0	0	0	0	93	370	1296	ő	13960
11:00	12:00	6432	ō	42	0	D D	514 556	800	6273	0	0	0	0	0	0	109	421	1431	Ö	15450
12:00	13:00	6651	ő	42	0	0		867	6871	O	0	0	0	0	0	109	455	1574	ŏ	16907
13:00	14:00	6634	Ö	42	0	0	581 573	901	7107	0	0	0	0	0	0	126	471	1625	Õ	17505
14:00	15:00	5641	ŏ	34	Ö	0		901	7090	O	0	0	0	0	0	118	471	1616	Ö	17446
15:00	16:00	6036	ō	34	0	0	488	766	6021	0	0	0	0	0	0	109	404	1381	0	14844
16:00	17:00	6373	Õ	42	0	0	531	817	6442	0	0	0	0	0	0	109	421	1473	0	15863
17:00	18:00	6727	ō	51	0	0	547	867	6804	0	0	0	0	0	0	109	455	1557	0	16755
18:00	19:00	6474	ŏ	42	0	0	581 564	918	7183	0	0	0	0	0	0	126	480	1642	Ö	17707
19:00	20:00	6272	Ö	42	0	0	564 547	884	6913	0	0	0	0	0	0	118	463	1583	Ŏ	17041
20:00	21:00	5405	Ö	34	ň	0		850	6694	0	0	0	0	0	0	109	446	1532	Ö	16494
21:00	22:00	4672	Ö	34	n	0	463	741	5777	0	0	0	0	0	0	93	387	1322	Ö	14221
22:00	23:00	3612	Ö	17	n	0	404	640	4985	0	0	0	0	0	0	84	328	1137	o	12285
23:00	0:00	3536	Ď	17	0	0	312	497	3857	0	0	0	0	0	0	67	253	876	0	9489
	Total	104671	0	665	0	U O	303	480	3773	0	0	0	0	0	0	59	253	867	0	9287
				000	U	0	9078	14256	111794	0	0	0	0	0	0	1877	7442	25559	0	275342

### Note:

[1] The definition of PrLB is defined in Roads Ordinance. This includes light bus for school, handicapped and works unit. Owing to the operation nature, it is reasonable to assume the operation time is between 0700 to 1900. The VMT during the other hours is zero.

### Vehicle classes

MC-1	PC+LGV-petrol
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MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5I-diesel

MC-7 HGV<151-diesel

MC-8 HGV>15t-diesel

MC-10 Fran DD bus - diesel

MC-11 Matarcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5! (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-dieset

Taxi-8 Non-fran bus>15t-diesel

Taxi-10 Fran SD bus - diesel

VMT Summary NLH (HK) - VMT.xls

# Summary of VMT for each hour for NLH & Airport Roads (HK vehicles)

	our	MC-1	MC-3	MC-4	MC-5(G)	MC-5(D)	MC-6	MC-7	MC-8	MC-10	MC-11	Tavil 2	T!	<b>-</b>						
0:00	1:00	7219	81	2504	99	70	1670	671	1975	208		Taxi-3	Taxi-4	Taxi-5(L)	Taxi-5(D)	Taxl-6	Taxi-7	Taxi-8	Taxi-10	Total
1:00	2:00	4335	52	1499	55	45	1007	403	1185	131	730	3332				184	142	97	14	19259
2:00	3:00	3086	36	1073	39	31	715	284	843		437	2003				110	89	59	14	11577
3:00	4:00	2183	24	760	31	18	507	207	597	87	315	1429				81	60	44	0	8239
4:00	5:00	2339	29	812	31	24	544	217		63	222	1009				54	44	29	0	5821
5:00	6:00	5835	67	2027	77	55	1356	545	641 1601	69	236	1080				59	44	30	0	6243
6:00	7:00	14734	170	5107	189	148	3414	1372		170	588	2693				147	119	82	14	15587
7:00	8:00	24989	284	8663	328	242	5792	2332	4032	427	1485	6800				371	298	200	31	39306
8:00	9:00	27766	321	9630	368	273	6434	2594	6842	724	2524	11531	541	82	282	625	498	342	47	66667
9:00	10:00	22981	260	7970	305	226	5328	2147	7604	810	2805	12811	601	89	313	697	558	380	55	74107
10:00	11:00	23777	269	8250	317	232	5509	2221	6285	664	2323	10608	497	74	260	580	467	313	45	61333
11:00	12:00	24852	284	8618	328	242	5756	2318	6507	693	2402	10976	513	74	268	596	482	326	45	63456
12:00	13:00	26216	300	9093	343	257	6075	2445	6799	724	2509	11468	535	75	282	624	498	342	47	66301
13:00	14:00	26081	297	9048	343	257	6039	2445	7177	763	2647	12105	564	82	298	655	527	358	54	69959
14:00	15:00	26439	300	9168	350	257	6128		7140	755	2631	12035	558	82	298	655	527	356	47	69581
15:00	16:00	23268	266	8066	305	226	5390	2468	7236	771	2668	12200	565	82	298	668	536	358	54	70546
16:00	17:00	21624	245	7498	287	211	5015	2170	6372	677	2346	10743	499	74	266	586	469	314	45	62082
17:00	18:00	24395	281	8460	319	235	5650	2020	5918	630	2180	9982	468	66	245	542	438	298	39	57706
18:00	19:00	27667	315	9594	361	273	6410	2275	6673	708	2461	11261	527	75	281	609	496	329	47	65084
19:00	20:00	23588	269	8184	305	232	5469	2587	7574	803	2791	12769	594	89	312	696	558	379	55	73823
20:00	21:00	22405	260	7773	296	218		2200	6455	681	2382	10891				592	481	325	45	62953
21:00	22:00	22636	260	7848	296	219	5195 5246	2095	6134	654	2265	10339				563	452	310	45	59813
22:00	23:00	22149	254	7685	289	218	5246	2111	6194	655	2282	10446				571	454	311	45	60391
23:00	0:00	16621	193	5762	218	163	5136	2071	6066	646	2237	10225				558	446	299	45	59124
	Total	447186	5117	155091	5876	4371	3852	1551	4547	483	1679	7673				416	341	230	31	44354
			/	100001	3070	40/1	103636	41736	122399	12995	45146	206410	6462	945	3403	11239	9023	6111	865	1193311

### Note:

[1] The definition of PrLB is defined in Roads Ordinance. This includes light bus for school, handicapped and works unit. Owing to the operation nature, it is reasonable to assume the operation time is between 0700 to 1900. The VMT during the other hours is zero.

### Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-diesel

MC-10 Fran DD bus - diesel

MC-11 Molorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-diesel

Taxi-8 Non-fran bus>15t-diesel

VMT Summary Others - VMT.xls

## Summary of VMT for each hours for other roads

	าบา	MC-1	MC-3	MC-4	MC-5(G)	MC-5(D)	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxl-4	* 1 =0 1						
0:00	1:00	2609	48	1544	218	165	1033	415	1218	481	258	1303	raxi-4	Taxi-5(L)	Taxi-5(D)	Taxi-6	Taxi-7	Taxl-8	Taxi-10	Total
1:00	2:00	1502	26	884	122	91	592	241	699	279	147					221	180	116	30	10164
2:00	3:00	1027	16	609	82	62	407	162	482	194		750				132	103	69	18	5832
3:00	4:00	940	14	555	72	55	369	148	437	178	99 94	512				86	69	44	14	3980
4:00	5:00	1092	16	646	90	70	428	171	512	206		471				82	64	41	8	3635
5:00	6:00	1708	30	1011	140	104	674	272	801		113	543				97	72	47	14	4243
6:00	7:00	3388	62	2007	281	207	1340	541		314	168	853				146	114	80	21	6636
7:00	8:00	6204	121	3681	515	379	2459		1582	622	340	1695				292	239	154	39	13210
8:00	9:00	7191	139	4263	599	449		990	2904	1138	620	3109	460	66	243	535	428	292	73	24216
9:00	10:00	5477	107	3246	455		2848	1145	3368	1319	713	3603	532	79	283	615	498	333	85	28062
10:00	11:00	5288	106	3132	435	336	2172	872	2564	1006	543	2742	402	60	213	472	384	254	70	21376
11:00	12:00	5579	108	3308	463	325	2096	842	2476	972	531	2649	392	58	207	457	362	247	64	20637
12:00	13:00	6166	121	3658	508	344	2213	894	2611	1021	558	2795	410	62	216	479	389	257	70	21776
13:00	14:00	6100	120	3616	504	377 374	2443	980	2883	1130	614	3084	456	66	242	532	425	289	72	24047
14:00	15:00	5894	115	3500	487		2420	972	2856	1118	609	3055	447	66	240	527	421	285	72	23803
15:00	16:00	5529	108	3274	457	360	2334	943	2757	1083	585	2948	436	65	228	506	403	278	72	22992
16:00	17:00	5872	114	3482	485	342	2189	880	2587	1016	553	2765	406	62	215	475	385	256	70	21567
17:00	18:00	6074	119	3599	503	359 373	2324	941	2746	1076	584	2940	434	64	228	506	402	278	72	22906
18:00	19:00	5608	109	3325	469	345	2405	969	2843	1111	604	3041	446	66	240	526	421	285	72	23696
19:00	20:00	5060	96	2997	422	313	2223 2002	896	2627	1032	559	2814	416	62	218	483	390	258	70	21904
20:00	21:00	4422	87	2616	365	273		807	2365	936	501	2531				435	354	239	56	19742
21:00	22:00	4293	84	2543	355	268	1752 1701	702	2064	809	438	2211				384	303	207	53	17226
22:00	23:00	3988	78	2362	331	249	1579	686	2006	787	427	2148				367	295	202	53	16743
23:00	0:00	3692	72	2190	303	249	1467	636	1870	735	398	1995				346	279	185	50	15569
	Total	104702	2013	62046	8660	6447	41474	590 16695	1733	679	364	1854				317	252	171	42	14402
				5-10	5000	0.147	414/4	10095	48992	19243	10419	52412	5236	776	2774	9018	7231	4867	1260	408366

#### Note

[1] The definition of PrLB is defined in Roads Ordinance. This includes light bus for school, handicapped and works unit. Owing to the operation nature, it is reasonable to assume the operation time is between 0700 to 1900. The VMT during the other hours is zero.

### Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3,5t-dieset

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-diesel

MC-10 Fran DD bus - diesel

MC-11 Motorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Dieset)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-diesel
Taxi-8 Non-fran bus>15t-diesel

# APPENDIX 5F-2

Vehicle Emission
Factors for 2031
(including composite vehicle emission factor for each road link)

Calculation of NOX Emission Factor (gm/mile/vehicle) for each hours for BCF (HK)

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	Tauri 2						
0:00	1:00	0.111	0.222	0.226	0.109	1.300	2.384	3.097	1.877	1.043	Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.111	0.222	0.226	0.113	1,299	2.382	3.097	1.875	1.045	0.291	#DIV/0!	#DIV/0!	1.291	2.362	3,099	1,427
2:00	3:00	0.111	0.239	0.225	0.104	1.302	2.388	3,101	1.876	1.045	0.291	#DIV/0I	#DIV/0!	1.290	2,360	3.095	1.357
3:00	4:00	0.112	0,315	0.227	0.110	1.304	2.386	3,103	1.884		0.292	#DIV/0!	#DIV/01	1.292	2.364	3,098	#DIV/0!
4:00	5:00	0.112	0,225	0.226	0,109	1.304	2,394	3.108	1.882	1.055	0.293	#DIV/0!	#DIV/0!	1.294	2.364	3.099	#DIV/0!
5:00	6:00	0.113	0.239	0.227	0.105	1.307	2.395	3.113	1.886	1.058	0.294	#DIV/01	#DIV/01	1.297	2.373	3.105	#DIV/0!
6:00	7:00	0,113	0.233	0.227	0.109	1,308	2.398	3.115	1.888	1.060	0.295	#DIV/0!	#DIV/0!	1,298	2.375	3.113	1,437
7:00	8:00	0.115	0.232	0.229	0.108	1,318	2.417	3,140		1.062	0.295	#DIV/0!	#DIV/0I	1.299	2.375	3.115	1,450
8;00	9:00	0.115	0.232	0.229	0.107	1.320	2.421	3,145	1,896	1.050	0.298	0.229	0.198	1.313	2.402	3.150	1,455
9:00	10:00	0.115	0.231	0.229	0.109	1.321	2,422	3,147	1.899	1.048	0.299	0.230	0.198	1.315	2.405	3,155	1.451
10:00	11:00	0.115	0.231	0.229	0.107	1.320	2.420	3.144	1,900 1,899	1.045	0.300	0.230	0.198	1.316	2.406	3.157	1.464
11:00	12:00	0.116	0.232	0.229	0.109	1,320	2.420	3.144	1.898	1.039	0.300	0,229	0.197	1.315	2.405	3,154	1.464
12;00	13:00	0.116	0.230	0,229	0.109	1.320	2.420	3.144	1.899	1.035	0.300	0.230	0.199	1.315	2.404	3.153	1,455
13:00	14:00	0.116	0.230	0.229	0.108	1.318	2,417	3.140	1.896	1.034	0.301	0.230	0.197	1.315	2.404	3.154	1.446
14:00	15:00	0.115	0.230	0.228	0.105	1,316	2.412	3.134	1.893	1.029 1.026	0.301	0.229	0.198	1.313	2.401	3.149	1.455
15:00	16:00	0.115	0.231	0.228	0.109	1,316	2.413	3.134	1.893	1.026	0.300	0.229	0.195	1.311	2.397	3.144	1,446
16:00	17:00	0.115	0.232	0.228	0.107	1.316	2.413	3.134	1.892	1.028	0.299	0.229	0.197	1.311	2.397	3.144	1.441
17:00	18:00	0.114	0.229	0.228	0.108	1.314	2,410	3.131	1.891	1.020	0.298	0.229	0.196	1.311	2.397	3.144	1.441
18:00	19:00	0.114	0.228	0.228	0.106	1.313	2,407	3.127	1.888	1.029	0.296	0.229	0.197	1.309	2.394	3.140	1.455
19:00	20:00	0.113	0.231	0.228	0.106	1.313	2.407	3.127	1.888	1.030	0,295	0.229	0.196	1.308	2.391	3.136	1.451
20:00	21:00	0.114	0.228	0.228	0.107	1.313	2.409	3.129	1.890	1.034	0.295	#DIV/0!	#DIV/01	1.308	2.392	3,136	1.441
21:00	22:00	0.113	0.231	0.228	0.108	1,312	2.406	3.126	1.888	1.034	0.295	#DIV/0!	#DIV/0!	1.309	2.392	3.138	1.441
22:00	23:00	0.113	0.228	0.228	0.108	1,312	2,405	3.125	1.887	1.033	0.295	#DIV/0!	#DIV/0!	1.307	2.390	3.136	1.441
23;00	0:00	0.111	0.226	0.226	0.108	1.301	2.385	3.099	1.879	1.034	0.294	#DIV/0!	#DIV/0!	1.307	2.389	3.134	1.441
	Day	0.114	0,230	0.228	0,108	1.315	2.411	3.132	1.892	1.042	0.291 0.297	#DIV/0!	#DIV/0I	1.292	2.363	3.099	1.450
•••								02	1,002	1.037	U.Z9/	0.229	0.197	1.309	2,394	3,140	1.451

Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4

LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

LGV>3.5t-diesel MC-6

MC-7 HGV<15t-diesel

MC-B HGV>15t-diesel

Fran DD bus - diesel MC-10

MC-11 Motorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Dieset)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-diesel

Taxl-8 Non-fran bus>15t-diesel

Taxi-10 Fran SD bus - diesel

Calculation of RSP Emission Factor (gm/mile/vehicle) for each hours for BCF (HK)

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	110.44							
0:00	1:00	0.005	0.074	0.064	0.078	0.062	0.081	0.073		MC-11	Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.005	0.083	0.063	0.072	0.062	0.080	0.073	0.043	0.039	0.028	#DIV/0!	#DIV/01	0.045	0.071	0.067	0.075
2:00	3:00	0.005	0,090	0.063	0.078	0.061	0.082	0.073	0.041	0.038	0.027	#DIV/0!	#DIV/0I	0.046	0.070	0.066	0.000
3:00	4:00	0.005	0.000	0.063	0.074	0.061	0.079	0.073	0,048	0.038	0.028	#DIV/01	#DIV/0!	0.046	0.071	0.068	#DIV/01
4:00	5:00	0.005	0.056	0.063	0.078	0.060	0.079		0.040	0.039	0.028	#DIV/01	#DIV/0!	0.044	0.069	0.060	#DIV/0!
5:00	6:00	0,005	0.072	0.063	0.072	0.062	0.081	0.072	0.045	0.037	0.027	#DIV/0!	#DIV/0I	0.047	0.073	0.062	#DIV/0!
6:00	7:00	0.005	0.081	0,064	0.076	0.062	0.081	0.073	0.044	0.039	0.027	#DIV/0!	#D V/0!	0.045	0.071	0.066	0.080
7:00	8:00	0.005	0.082	0.066	0.075	0.064	0.084	0.073 0.076	0.044	0.038	0.027	#D V/0!	#DIV/0!	0.045	0.070	0.066	0.058
8:00	9:00	0.005	0.085	0.066	0.074	0.064	0.084	0.075	0.045	0.039	0.028	0.113	0,133	0.047	0.074	0.068	0.040
9:00	10:00	0.005	0.085	0.066	0.074	0.064	0.084	0.075	0.045	0.039	0.028	0.113	0.132	0.048	0.074	0.069	0.047
10:00	11:00	0.005	0.085	0.066	0.073	0.064	0.084	0.076	0.045 0.045	0.039	0.028	0.113	0.132	0.048	0.074	0.068	0.046
11:00	12:00	0.005	0.082	0.066	0.075	0.064	0.084	0.076	0.045	0.039	0.028	0.113	0.132	0.047	0.074	0.069	0.046
12:00	13:00	0.005	0.085	0.066	0.075	0,064	0.084	0.075	0.044	0.039	0.028	0.113	0.132	0.047	0.074	0,069	0.040
13:00	14:00	0.005	0.085	0.066	0.075	0,064	0.083	0.075	0.045	0.039	0.028	0.113	0.132	0.047	0.074	0.068	0.055
14:00	15:00	0.005	0.085	0.066	0.073	0.064	0.083	0.075	0.045	0.039	0.028	0.113	0.133	0.047	0.074	0.069	0.040
15:00	16:00	0.005	0.085	0.066	0.074	0.064	0.084	0.076	0.045	0.039	0.028	0.113	0.131	0.047	0.073	0.069	0,055
16:00	17:00	0.005	0.082	0.066	0.075	0.064	0.083	0.075	0.045	0,039	0.028	0.113	0.131	0.048	0.074	0.069	0.046
17:00	18:00	0.005	0.085	0.066	0.075	0.064	0.084	0.075		0.039	0.028	0.113	0.132	0.048	0.074	0.068	0.046
18:00	19:00	0.005	0.085	0.066	0.074	0.064	0.084	0.076	0.045	0.039	0.028	0.113	0.131	0.047	0.074	0.069	0.040
19:00	20:00	0.005	0.085	0.066	0.073	0.064	0.083	0.076	0.045	0.039	0.028	0.113	0.132	0.047	0.074	0.069	0.047
20:00	21:00	0.005	0.086	0.066	0.075	0.064	0.084		0.045	0.039	0.028	#DIV/01	#DIV/0!	0.047	0.074	0.068	0.046
21:00	22:00	0.005	0.085	0.066	0.075	0.064	0.084	0.075	0.045	0.039	0.028	#DIV/01	#DIV/0!	0.047	0.074	0.069	0.046
22;00	23:00	0.005	0.086	0.066	0.075	0.064	0.083	0.076	0.044	0,039	0.028	#DIV/0!	#DIV/0I	0.047	0.074	0.069	0.046
23:00	0:00	0.005	0.082	0.063	0.074	0.062	0.083	0.075	0.045	0.039	0.028	#DIV/0!	#DIV/0I	0.047	0.074	0,069	0.046
	Day	0.005	0.084	0.065	0.075	0.062	0.083	0.073	0.045	0.039	0.027	#DIV/0!	#DIV/0!	0.045	0.070	0,065	0.058
					0.073	0.004	0.083	0.075	0.045	0.039	0.028	0.113	0.132	0.047	0.073	0.068	0.048

Vehicle classes MC-1 PC+LGV-petrol MC-3 PC+LGV<2.6-diesel MC-4 LGV2.6-3.5t-diesel MC-5 PLB (LPG/Diesel) MC-6 LGV>3.5t-diesel MC-7 HGV<15t-diesel MC-8 HGV>15I-diesel MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol Taxi-3 Taxi Taxi-4 PtLB<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Diesel) Taxi-6 Non-fran bus<6,4t-diesel Taxi-7 Non-fran bus<6.4-15t-diesel Taxi-8 Non-fran bus>15t-dieset Taxi-10 Fran SD bus - diesel

# Calculation of NOX Emission Factor (gm/mile/vehicle) for each hours for BCF associated roads (cross-boundary vehicles)

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	T 2						
0:00	1:00	0.101	#DIV/0	0.224	#DIV/0!	1,294	2.372	3.078	#DIV/0!	#DIV/0]	Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.101	#DIV/01	0.221	#DIV/0!	1.295	2.371	3.077	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	1.283	2.363	3.058	#DIV/01
2:00	3:00	0.101	#DIV/01	#DIV/0l	#DIV/0!	1.297	2.373	3.081	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	1,282	2.363	3.057	#DIV/0!
3:00	4:00	0.101	#DIV/0!	#DIV/0!	#DIV/0I	1.296	2,376	3.085	#DIV/01	#DIV/0!	#DIV/01	#D(V/0)	#DIV/0!	1.289	2.364	3.061	#DIV/01
4:00	5:00	0.102	#DIV/0!	#DIV/0I	#DIV/0!	1.302	2.379	3.089	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0I	#DIV/0!	1.289	2.366	3.064	#DIV/0!
5:00	6:00	0.102	#DIV/0!	0.223	#D(V/0)	1.302	2.384	3.094	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	1.289	2,372	3.070	#DIV/0!
6:00	7:00	0.102	#DIV/0!	0.224	#DIV/0!	1.302	2,386	3.095	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/01	1.289	2.374	3.074	#DIV/0I
7:00	8:00	0.103	#DIV/01	0.226	#DIV/0!	1.302	2,385	3.096	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.297	2.376	3.076	#DIV/01
8:00	9:00	0.103	#DIV/01	0.227	#DIV/0!	1.304	2.390	3,101	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	1.296	2.377	3.076	#DIV/01
9:00	10:00	0.103	#DIV/01	0.227	#DIV/0!	1.305	2.391	3.103	#DIV/0!	#D(V/01	#DIV/01	#DIV/0!	#DIV/0!	1.296	2.381	3.081	#DIV/0!
10:00	11:00	0.103	#DIV/0!	0.227	#DIV/0]	1.304	2.388	3.100	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	1.296	2,382	3,083	#DIV/0!
11:00	12:00	0.103	#DIV/01	0.226	#DIV/0!	1.304	2,389	3.100	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.296	2.380	3.080	#DIV/0]
12:00	13:00	0.104	#DIV/01	0.226	#DIV/0!	1.304	2,389	3,100	#DIV/01	#DIV/01	#DIV/0!	#DIV/0I	#DIV/0!	1.296	2.380	3.080	#DIV/01
13:00	14:00	0.103	#DIV/0!	0.226	#DIV/0!	1.302	2.385	3,096	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	1.295	2.381	3.080	#DIV/0!
14:00	15:00	0.103	#DIV/0]	0.227	#DIV/0!	1.300	2.381	3.090	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	1.294	2.377	3.076	#DIV/0!
15:00	16:00	0.103	#DIV/0!	0.227	#DIV/0!	1,300	2.381	3.090	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	1.293	2.373	3.070	#DIV/0!
16:00	17:00	0.102	#DIV/0!	0.226	#DIV/0I	1,300	2,381	3.090	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.293	2.373	3.070	#DIV/01
17:00	18:00	0.102	#DIV/0!	0.225	#DIV/0!	1.298	2.378	3.087	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0I	1.293	2.373	3.071	#DIV/0!
18:00	19:00	0.101	#DIV/0!	0.226	#DIV/01	1.297	2,376	3.083	#DIV/01	#DIV/0!	#DIV/01	#DIV/0]	#DIV/01	1.290	2,370	3.067	#DIV/0!
19:00	20:00	0.101	#DIV/0!	0.226	#DIV/0!	1.297	2.376	3,083	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	1,288	2.368	3.064	#DIV/0I
20:00	21:00	0.101	#DIV/0!	0.227	#D1V/01	1.298	2.377	3.085	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0I	1.290	2.368	3.064	#DIV/01
21:00	22:00	0.101	#DIV/0!	0.227	#DIV/01	1.297	2.375	3.082	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	1.290	2.369	3.065	#DIV/0!
22:00	23:00	0.101	#DIV/01	0.230	#DIV/0!	1.295	2.374	3.080	#DIV/0[	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	1.289	2.366	3.062	#DIV/0!
23:00	0:00	0.101	#DIV/01	0.230	#DIV/01	1.295	2,373	3.079	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.286	2.365	3.061	#DIV/01
	Day	0.102	#DIV/0!	0.227	#DIV/01	1.300	2.382	3.091	#DIV/01	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	1.289	2,364	3.060	#DIV/0!
										1016101	#DIV/01	#017/01	#DIV/0!	1.292	2.373	3.071	#DIV/01

### Note:

### Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.51-diesel

MC-5

PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-diesel

MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

PrLB>3.5l (LPG/Diesel) Taxi-5

Taxi-6 Non-fran bus<6.4t-dieset

Tax/-7 Non-fran bus<6.4-15t-diesel

Taxi-6 Non-fran bus>15t-diesel

Taxi-10 Fran SD bus - diesel

# Calculation of RSP Emission Factor (gm/mile/vehicle) for each hours for BCF associated roads (cross-boundary vehicles)

Ho		MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxi-4	T1 F				
0:00	1:00	0,004	#DIV/0!	0.061	#DIV/0!	0.054	0.075	0.069	#DIV/0!	#DIV/0!	#DIV/0!		Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0,004	#DIV/0!	0.066	#DIV/0!	0.053	0.076	0.069	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!	0.037	0.071	0.062	#D[V/0]
2:00	3:00	0.004	#DIV/0!	#DIV/0!	#DIV/01	0.052	0.075	0.069	#DIV/0!		#DIV/01	#DIV/01	#DIV/0!	0.040	0.072	0.062	#DIV/01
3:00	4:00	0.004	#DIV/0!	#DIV/0!	#DIV/01	0.050	0.075	0.069	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	0.038	0.071	0.062	#D[V/0]
4:00	5:00	0.003	#DIV/0!	#DIV/01	#DIV/01	0.050	0.075	0.069	#DIV/0!		#DIV/01	#DIV/0!	#DIV/01	0.038	0.068	0.062	#DIV/0t
5:00	6:00	0.004	#DIV/01	0.056	#DIV/0!	0.054	0.076	0.069	#DIV/0!	#DIV/01 #DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	0.038	0.068	0.062	#DIV/0!
6:00	7:00	0.004	#DIV/01	0.061	#DIV/01	0.053	0.075	0.069	#DIV/01		#DIV/0I	#DIV/0!	#DIV/0!	0.038	0.073	0.062	#DIV/0!
7:00	8;00	0.004	#DIV/01	0.062	#DIV/01	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.038	0.071	0.062	#DIV/0!
8:00	9:00	0.004	#DIV/01	0.059	#DIV/0!	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/0	#DIV/0!	#DIV/0!	0.038	0.071	0,062	#DIV/0!
9:00	10:00	0.004	#DIV/01	0.059	#DIV/01	0.053	0,076	0.069	#DIV/0!	#DIV/0! #DIV/01	#DIV/01	#DIV/0!	#DIV/0!	0.038	0.071	0.062	#DIV/0!
10:00	11:00	0.004	#DIV/01	0.059	#DIV/0I	0.053	0.076	0.069	#DIV/0!	#DIV/01	#DIV/0	#DIV/0!	#DIV/0I	0.038	0.071	0.062	#DIV/0!
11:00	12:00	0.004	#DIV/0!	0.059	#DIV/01	0.053	0,076	0.069	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.038	0.072	0.062	#DIV/0!
12:00	13:00	0.004	#DIV/0!	0.059	#DIV/0!	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.041	0.071	0.062	#DIV/0!
13:00	14:00	0.004	#DIV/0!	0.059	#DIV/01	0,053	0.076	0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0I	0.038	0.071	0.062	#DIV/0!
14:00	15:00	0.004	#DIV/01	0.059	#DIV/01	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/0	#DIV/0!	#DIV/01	0.039	0.071	0.062	#D V/0!
15:00	16:00	0.004	#DIV/0!	0.059	#DIV/01	0.053	0.076	0.069	#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	0.038	0.071	0.062	#DIV/0!
16:00	17:00	0.004	#DIV/0!	0.059	#DIV/01	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.041	0.072	0.062	#DIV/0!
17:00	18:00	0.004	#DIV/0!	0.061	#DIV/0!	0.053	0.076	0.069	#51V/01 #DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.041	0.071	0.062	#DIV/0!
18:00	19:00	0.004	#D]V/0]	0.059	#DIV/01	0.053	0.076	0.069	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.038	0.071	0.062	#DIV/0!
19:00	20:00	0.004	#DIV/0!	0.059	#DIV/0!	0.053	0.076	0.069	#DIV/0!	#DIV/01	#D1V/01	#DIV/0[	#DIV/0!	0.039	0.071	0.062	#DIV/0I
20:00	21:00	0,004	#DIV/0!	0.059	#DIV/0!	0.053	0.076	0.069		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.041	0.071	0.062	#DIV/01
21:00	22:00	0.004	#DIV/0!	0.059	#DIV/0!	0.053	0.076	0.069	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	0.038	0.071	0.063	#DIV/0!
22:00	23:00	0.004	#DIV/01	0.057	#DIV/0!	0.053	0.076	0.069	#DJV/0l	#DIV/0!	#DIV/0!	#DIV/0I	#DIV/0!	0.037	0.071	0.062	#DIV/0!
23:00	0:00	0.004	#DIV/01	0.057	#DIV/0!	0.053	0.076	0.069	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.037	0.071	0.062	#DIV/0!
	Day	0.004	#DIV/01	0.058	#DIV/0I	0.053	0.076	0.069	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	0.038	0.071	0.062	#DIV/0!
						0.300	0.070	0.009	#DIV/0!	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0!	0.039	0.071	0.062	#DIV/0!

#### Note:

Taxi-7

### Vehicle classes

MC-1 PC+LGV-petrol MC-3 PC+LGV<2.6-diesel MC-4 LGV2.6-3.5t-diesel MC-5 PLB (LPG/Diesel) MC-6 LGV>3.51-diesel MC-7 HGV<15t-diesel MC-8 HGV>15t-diesel MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol Taxi-3 Taxi Taxi-4 PrLB<3.5t-dieset Taxi-5 PrLB>3.5t (LPG/Diesel) Taxi-6 Non-fran bus<6.4t-diesel

Non-fran bus<6.4-15t-dieset Taxi-8 Non-fran bus>15t-diesel Taxi-10 Fran SD bus - diesel

# Calculation of NOX Emission Factor (gm/mile/vehicle) for each hours for HKRL (cross-boundary vehicles)

<u> </u>	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxi-4	T				
0:00	1:00	0.098	#DIV/0I	0.404	#DIV/01	2,320	2.500	3,244	#DIV/0!	#DIV/0!	#DIV/0!		Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.098	#DIV/0!	0.404	#DIV/0!	2.320	2,499	3.243	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	1.356	2.491	3.223	#DIV/0!
2:00	3:00	0.099	#DIV/01	#DIV/0!	#DIV/0!	2.322	2.503	3.247	#DIV/01	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	1.357	2.490	3.222	#DIV/0]
3:00	4:00	0.099	#DIV/01	#DIV/0!	#DIV/0!	2,326	2,504	3.251	#DIV/0I	#DIV/01		#DIV/0!	#DIV/0!	1.359	2.494	3.226	#DIV/0!
4:00	5:00	0.099	#DIV/01	#DIV/01	#DIV/0!	2.329	2.509	3.256	#DIV/01	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	1.359	2.495	3.230	#DIV/0!
5:00	6:00	0.099	#DIV/0!	0.407	#DIV/0!	2.333	2.513	3,261	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	1.359	2.501	3.235	#DIV/01
6:00	7:00	0.100	#DIV/0!	0,410	#DIV/0I	2.334	2.514	3.262	#DIV/0!	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	1.365	2.503	3,240	#DIV/0!
7:00	8:00	0.100	#DIV/0!	0.407	#DIV/01	2.334	2.514	3.263	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.363	2.505	3.242	#DIV/0!
8:00	9:00	0.100	#DIV/0!	0.407	#DIV/0I	2.338	2,518	3,268	#DIV/01	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	1.364	2,505	3.242	#DIV/0!
9;00	10:00	0.100	#DIV/0[	0.407	#DIV/01	2.339	2,520	3.270	#D(V/0!		#DIV/0!	#DIV/0!	#DIV/0!	1.366	2,509	3,247	#DIV/0!
10:00	11:00	0.100	#DIV/0!	0.407	#DIV/0!	2,337	2.517	3.267	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0I	#DIV/0!	#DIV/0!	1,367	2.511	3.249	#DIV/01
11:00	12:00	0.100	#DIV/0!	0.407	#DIV/0!	2.337	2.517	3,267	#DIV/01	#DIV/0!	#DIV/0]	#DIV/0!	#DIV/0I	1.366	2.508	3.246	#DIV/0!
12:00	13:00	0.101	#DIV/0!	0.407	#DIV/0!	2.337	2,517	3.267	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.366	2.508	3.246	#DIV/0!
13;00	14:00	0.101	#DIV/01	0.407	#DIV/0!	2.334	2.514	3.263	#DIV/0!	#DIV/0	#DIV/0!	#DIV/0!	#DIV/01	1.366	2.509	3.246	#DIV/0!
14:00	15:00	0.100	#DIV/01	0.407	#DIV/0!	2.330	2.509	3.257	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	1,364	2.505	3.242	#DIV/0I
15:00	16:00	0.100	#DIV/0!	0.407	#DIV/0!	2.330	2.509	3.257	#DIV/0!	#DIV/0!	#DIV/01 #DIV/01	#DIV/0!	#DIV/0!	1.361	2.501	3.236	#DIV/01
16:00	17:00	0.100	#DIV/0!	0.407	#DIV/0I	2.330	2.510	3.257	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0	1.361	2.501	3.236	#DIV/0!
17:00	18:00	0.099	#DIV/0!	0.406	#DIV/01	2.327	2.507	3.253	#DIV/0!	#DIV/0!	#DIV/0;	#DIV/0!	#DIV/0!	1.361	2.501	3.236	#DIV/0!
18:00	19:00	0.099	#DIV/0]	0.404	#DIV/0!	2.324	2.504	3,249	#DIV/0!	#DIV/0!	#DIV/0!	#D1V/0!	#DIV/0!	1.359	2.498	3,232	#DIV/0!
19;00	20:00	0.099	#DIV/0!	0.404	#DIV/0!	2.325	2.504	3.250	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	1.358	2.495	3.229	#DIV/0!
20:00	21:00	0.099	#DIV/0!	0.407	#DIV/0I	2.326	2.505	3.251	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0[	1.359	2.495	3.229	#DIV/0!
21:00	22:00	0.099	#DIV/0!	0.407	#DIV/0!	2,323	2.503	3.248	#DIV/0!	#DIV/01	#DIV/0!	#DIV/01	#DIV/0!	1,359	2.496	3,230	#DIV/0!
22:00	23:00	0.098	#DIV/0!	0.404	#DIV/01	2.322	2.502	3,247	#DIV/01	#DIV/01	#DIV/0	#DIV/0! #DIV/0!	#DIV/0!	1.358	2.494	3.227	#DIV/0!
23:00	0:00	0.098	#DIV/01	0.404	#DIV/0t	2,321	2,501	3,245	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0! #DIV/0!	#DIV/0!	1.356	2.493	3.226	#DIV/0!
	Day	0.100	#DIV/0!	0.406	#DIV/0I	2.330	2.510	3.258	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1.356	2.492	3.225	#DIV/0!
										, 170:	#C/V/01	#DIV/01	#DIV/0!	1.362	2.501	3.237	#DIV/0!

### Note:

### Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.51-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-dioset

MC-10 Fran DD bus - diesel

MC-11 Motorcycle -petrol

Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Dieset)

Taxi-6 Non-fran bus<6.4t-dieset

Taxi-7 Non-fran bus<6.4-15t-diesel

Taxi-8 Non-fren bus>15t-diesel

Taxi-10 Fran SD bus - diesel

# Calculation of RSP Emission Factor (gm/mile/vehicle) for each hours for HKRL (cross-boundary vehicles)

		MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	7						
0:00	1:00	0.003	#DIV/0!	0,042	#DIV/0I	0.036	0.061	0.056	#DIV/01		Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.003	#DIV/0!	0.042	#DIV/0I	0.036	0.061	0.056		#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	0.033	0.057	0.050	#DIV/0!
2:00	3:00	0.003	#DIV/0!	#DIV/0!	#DIV/0!	0.036	0.061	0.056	#DIV/0!	#D!V/01	#DIV/0!	#DIV/0!	#DIV/0I	0.032	0.057	0.050	#DIV/0!
3:00	4:00	0.003	#DIV/0!	#DIV/0I	#DIV/0!	0.036	0.060	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0I	0.030	0.058	0.050	#DIV/0!
4:00	5:00	0.003	#DIV/0I	#DIV/0!	#DIV/0!	0.036	0.060	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	#DIV/0!	0.030	0.057	0.050	#DIV/0!
5:00	6:00	0.003	#DIV/0I	0.036	#DIV/0I	0.036	0.061		#DIV/01	#DIV/0I	#DIV/0!	#DIV/01	#DIV/0!	0.030	0.057	0.050	#DIV/0!
6:00	7:00	0.003	#DIV/0I	0.042	#DIV/0!	0.036		0.056	#DIV/01	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0I	0.030	0.057	0.050	#DIV/0!
7:00	8:00	0.003	#DIV/0!	0.039	#DIV/0!	0.036	0.061	0.056	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0I	0.031	0.057	0.050	#DIV/0!
8:00	9:00	0.003	#DIV/0I	0.039	#DIV/01		0.061	0.056	#DIV/0!	#D(V/0)	#DIV/0!	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0!
9:00	10:00	0.003	#DIV/0!	0.039	#DIV/01	0.036 0.036	0.061	0.056	#DIV/0!	#DtV/0!	#DIV/01	#DIV/0!	#DIV/0!	0.031	0.057	0.050	#DIV/0!
10:00	11:00	0.003	#DIV/0!	0.039	#DIV/0!	0.036	0.061	0.056	#DIV/01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.031	0.057	0.050	#DIV/0!
11:00	12:00	0.003	#DIV/0!	0.040	#DIV/0	0.036	0.061	0.056	#DIV/01	#DIV/01	#DIV/01	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0!
12:00	13:00	0.003	#DIV/01	0.040	#DIV/0!		0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0	#DIV/0!	#DIV/01	0.032	0.057	0.050	#DIV/0!
13:00	14:00	0.003	#DIV/0!	0.040	#DIV/01	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/08	#DIV/0!	0,032	0.057	0.050	#DIV/0!
14:00	15:00	0,003	#DIV/01	0.039	#DIV/01	0.036	0.061	0.056	#DIV/0!	#DIV/01	#DIV/0!	#DIV/0!	#DIV/01	0.031	0.057	0.050	#DIV/0!
15:00	16:00	0,003	#DIV/0!	0.039	#DIV/0!	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#D1V/0!	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0!
16:00	17:00	0,003	#DIV/0!	0.035		0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0]	#D[V/0!	#DIV/0!	0.032	0,057	0.050	#DIV/0!
17:00	18:00	0.003	#DIV/0!	0.040	#DIV/0!	0.036	0.061	0.056	#DIV/0t	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0
18:00	19:00	0.003	#DIV/0!	0.040	#DIV/0!	0.036	0.061	0.056	#DIV/0[	#DIV/0I	#DIV/0!	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0!
19:00	20:00	0.003	#DIV/0!	0.040	#DIV/0!	0.036	0.061	0.056	#DIV/0I	#DIV/0!	#D1V/0!	#DIV/0!	#DIV/0!	0.031	0.057	0.050	#DIV/0I
20:00	21:00	0.003	#DIV/01	0.039	#D1V/0!	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/01	#DIV/01	#DIV/0!	0.032	0.057	0.050	#DIV/01
21:00	22:00	0.003	#DIV/0!	0.039	#DIV/0!	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	0.031	0.057	0.050	#DIV/0!
22:00	23:00	0.003	#DIV/0!	0.039	#DIV/0!	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0	#DIV/0!	#DIV/0]	0.032	0.057	0.050	#DIV/01
23:00	0:00	0.003	#DIV/0!	0.042	#DIV/0!	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#D[V/0]	0,031	0.057	0.050	#DIV/01
	Day	0.003	#DIV/0!	0.042	#DIV/01	0.036	0.061	0.056	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/01	0.032	0.057	0.050	#DIV/0!
		0.000	WDIA101	0.039	#DIV/0!	0.036	0.061	0.056	#DJV/0!	#OIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.032	0.057	0.050	#DIV/0!

#### Note:

### Vehicle classes

MC-1 PC+LGV-petrol MC-3 PC+LGV<2.6-diesel MC-4 LGV2.6-3.5t-diesel MC-5 PLB (LPG/Diesel) MC-6 LGV>3.5t-diesel MC-7 HGV<151-diesel MC-B HGV>15t-diesel MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol Taxi-3 Taxi Taxi-4 PrLB<3.5t-diesel PrLB>3.5t (LPG/Diesel) Taxl-5 Taxi-6 Non-fran bus<6.4t-diesel Taxi-7 Non-fran bus<6.4-15t-diesel Taxi-8 Non-fran bus>15t-dieset

#DIV/0I means zero VMT

Calculation of NOX Emission Factor (gm/mile/vehicle) for each hours for NLH and Airport Road

Color   1:00	Не	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	150.40								
1:00   2:00   0.111   0.504   0.500   0.246   2.884   2.510   3.261   1.993   1.332   0.290   #DIV/01   #DIV/01   1.356   2.480   3.253   1.200   3.00   4:00   0.112   0.507   0.502   0.202   2.891   2.516   3.265   1.996   1.338   0.291   #DIV/01   #DIV/01   1.356   2.480   3.251   1.200   4:00   0.112   0.507   0.502   0.202   2.891   2.516   3.265   1.998   1.332   0.291   #DIV/01   #DIV/01   1.356   2.480   3.251   1.200   4:00   0.112   0.506   0.503   0.241   2.896   2.520   3.274   2.002   1.348   0.293   #DIV/01   #DIV/01   1.360   2.485   3.261   #DIV/01   4:000   4:00   0.112   0.508   0.503   0.241   2.996   2.500   3.274   2.002   1.348   0.293   #DIV/01   #DIV/01   1.364   2.494   3.264   #DIV/01   4:000   4:0															Taxi-6	Taxi-7	Taxi-8	Taxi-10
2:00 3:00 0.111 0.505 0.501 0.240 2.888 2.513 3.265 1.996 1.338 0.291 #DIV/01 #DIV/01 1.356 2.480 3.251 1. 3:00 4:00 0.112 0.507 0.502 0.202 2.891 2.516 3.289 1.998 1.342 0.292 #DIV/01 #DIV/01 1.356 2.484 3.257 #DIV/01 0.1	1:00	2:00	F												1.357	2.481	3.253	1.536
3:00 4:00 0.112 0.507 0.502 0.202 2.881 2.516 3.269 1.996 1.393 0.291 #DIV/OI #DIV/OI 1.368 2.484 3.267 #DI 4:00 5:00 0.112 0.506 0.503 0.241 2.896 2.520 3.274 2.002 1.348 0.293 #DIV/OI #DIV/OI 1.360 2.485 3.264 #DI 5:00 6:00 0.112 0.508 0.503 0.241 2.896 2.520 3.274 2.002 1.348 0.293 #DIV/OI #DIV/OI 1.362 2.490 3.264 #DI 6:00 7:00 0.113 0.508 0.503 0.229 2.900 2.524 3.279 2.004 1.352 0.294 #DIV/OI #DIV/OI 1.364 2.494 3.270 1.000 0.00														#DIV/0!	1.356	2.480		1.528
4:00 5:00 0.112 0.506 0.503 0.241 2.896 2.520 3.274 2.002 1.348 0.293 #DIV/0! #DIV/0! 1.360 2.485 3.261 #D 5:00 6:00 0.112 0.508 0.503 0.229 2.900 2.524 3.279 2.004 1.352 0.294 #DIV/0! #DIV/0! 1.362 2.490 3.264 #D 6:00 7.700 0.113 0.508 0.504 0.241 2.902 2.525 3.281 2.006 1.385 0.294 #DIV/0! #DIV/0! 1.364 2.494 3.270 1. 7:00 8:00 0.109 0.386 0.384 0.189 2.210 2.525 3.281 2.006 1.287 0.284 0.385 0.326 1.364 2.495 3.272 1. 8:00 9:00 0.109 0.387 0.384 0.190 2.214 2.529 3.286 2.009 1.286 0.284 0.385 0.326 1.364 2.495 3.272 1. 9:00 10:00 0.109 0.387 0.384 0.190 2.215 2.531 3.288 2.010 1.281 0.285 0.386 0.329 1.366 2.498 3.276 1. 10:00 11:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 11:00 12:00 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.190 2.215 2.529 3.281 2.006 1.270 0.285 0.386 0.329 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.190 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.385 0.383 0.188 2.206 2.529 3.281 2.005 1.263 0.286 0.386 0.332 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.529 3.275 2.002 1.258 0.286 0.386 0.330 1.364 2.495 3.272 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.385 0.330 1.364 2.495 3.272 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.385 0.330 1.364 2.495 3.272 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.384 0.329 1.362 2.490 3.266 1. 16:00 0.109 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.384 0.384 0.322 1.362 2.490 3.266 1. 16:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.384 0.329 1.362 2.490 3.266 1. 16:00 0.109 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.286 0.384 0.328 1.362 2.490 3.266 1. 16:00 0.109 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 19:00 2.000 0.107 0.384 0.382 0.191 2.201 2.515 3.268 1.997 1.2	3:00	4:00											#DIV/0!	#DIV/0!	1,358	2.484		#DIV/0!
5:00 6:00 0.112 0.508 0.503 0.229 2.900 2.524 3.279 2.004 1.352 0.294 #DIV/01 #DIV/01 1.362 2.490 3.264 #DIV/01 #DIV/01 1.364 2.495 3.270 1. 360 0.000 0.109 0.386 0.384 0.189 2.210 2.525 3.281 2.006 1.287 0.284 0.385 0.326 1.364 2.495 3.272 1. 360 0.100 0.109 0.387 0.384 0.190 2.214 2.529 3.286 2.009 1.286 0.284 0.385 0.326 1.364 2.495 3.272 1. 360 0.100 0.109 0.387 0.384 0.190 2.215 2.531 3.288 2.010 1.281 0.285 0.386 0.329 1.367 2.499 3.278 1. 360 0.100 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.367 2.501 3.279 1. 360 0.100 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.332 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.386 0.332 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.385 0.330 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.385 0.330 1.366 2.498 3.276 1. 360 0.100 0.100 0.386 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.366 2.498 3.276 1. 360 0.100 0.100 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.366 2.490 3.266 1. 360 0.100 0.100 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.330 1.362 2.490 3.266 1. 360 0.100 0.100 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.330 1.362 2.490 3.266 1. 360 0.100 0.100 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.330 1.362 2.490 3.266 1. 360 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.280 0.384 0.331 1.360 2.498 3.266 1. 360 0.100 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.280 0.384 0.331 1.360 2.490 3.266 1. 360 0.100 0.100 0.100 0.100 0.385 0.382 0.188	4:00												#DIV/0!	#DIV/01	1,360	2,485		#DIV/0!
6:00 7:00													#DIV/0I	#DIV/0!	1.362	2,490		#DIV/01
7:00 8:00 0.109 0.386 0.384 0.189 2.210 2.525 3.281 2.006 1.287 0.284 0.385 0.326 1.364 2.495 3.272 1. 8:00 9:00 0.109 0.387 0.384 0.190 2.214 2.529 3.286 2.009 1.286 0.284 0.385 0.326 1.366 2.495 3.272 1. 8:00 9:00 10:00 0.109 0.387 0.384 0.190 2.215 2.531 3.288 2.010 1.281 0.285 0.386 0.328 1.367 2.499 3.278 1. 8:00 10:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 8:00 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 8:00 0.100 0.110 0.387 0.384 0.191 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 8:00 0.100 0.110 0.387 0.384 0.191 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 8:00 0.100 0.100 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.385 0.330 1.366 2.498 3.276 1. 8:00 0.100 0.100 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.286 0.385 0.330 1.364 2.495 3.272 1. 8:00 0.100 0.100 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 8:00 0.100 0.100 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.330 1.362 2.490 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.330 1.362 2.490 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.258 0.284 0.384 0.332 1.360 2.491 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.331 1.360 2.488 3.262 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.261 0.283 0.385 0.330 1.362 2.490 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.261 0.283 0.385 0.330 1.362 2.491 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.261 0.283 0.385 0.330 1.362 2.491 3.266 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.521 3.275 2.002 1.261 0.283 0.384 0.331 1.360 2.488 3.262 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.206 2.518 3.266 1.997 1.263 0.280 0.384 0.331 1.360 2.485 3.259 1. 8:00 0.100 0.100 0.385 0.382 0.188 2.200 2.516 3.268 1.997 1.264 0.280 0.			1										#DIV/0I	#DIV/0!	1.364	2,494		1.543
8:00 9:00 0.109 0.387 0.384 0.190 2.214 2.529 3.286 2.009 1.286 0.284 0.385 0.326 1.364 2.495 3.272 1. 9:00 10:00 0.109 0.387 0.384 0.190 2.215 2.531 3.288 2.010 1.281 0.285 0.386 0.329 1.367 2.499 3.278 1. 10:00 11:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 11:00 12:00 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.329 1.366 2.498 3.276 1. 12:00 13:00 0.110 0.387 0.384 0.191 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.191 2.210 2.525 3.281 2.005 1.263 0.286 0.386 0.332 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.286 0.385 0.330 1.366 2.498 3.272 1. 15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.286 0.385 0.330 1.366 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.284 0.384 0.329 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.181 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.331 1.360 2.491 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.331 1.360 2.488 3.259 1. 20:00 21:00 0.107 0.384 0.382 0.188 2.200 2.516 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.255 1. 23:00 0.00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.												0.294	#DIV/0!	#DIV/0I	1.364			1.542
9:00 10:00 0.109 0.387 0.384 0.190 2.215 2.531 3.288 2.010 1.281 0.285 0.386 0.329 1.367 2.499 3.278 1. 10:00 11:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.328 1.367 2.501 3.279 1. 11:00 12:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1. 12:00 13:00 0.110 0.387 0.384 0.189 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.329 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.191 2.213 2.529 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.263 0.286 0.386 0.330 1.366 2.498 3.276 1. 15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.364 2.495 3.272 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 17:00 18:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.385 0.329 1.362 2.490 3.266 1. 17:00 18:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.385 0.330 1.362 2.491 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.262 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.188 2.204 2.516 3.261 1.997 1.262 0.282 0.384 0.331 1.360 2.488 3.262 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.198 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.198 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 23:00 0.000 0.101 0.000 0.101 0.000 0.000 0.101 0.0												0.284	0.385	0.326	1,364			1.541
10:00 11:00 0.109 0.386 0.384 0.188 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.328 1.367 2.501 3.279 1.  11:00 12:00 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.274 0.285 0.386 0.329 1.366 2.498 3.276 1.  12:00 13:00 0.110 0.387 0.384 0.191 2.213 2.529 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1.  13:00 14:00 0.109 0.386 0.384 0.191 2.213 2.529 3.285 2.008 1.260 0.386 0.386 0.332 1.366 2.498 3.276 1.  13:00 14:00 0.109 0.385 0.383 0.188 2.206 2.525 3.281 2.005 1.263 0.286 0.386 0.330 1.364 2.495 3.272 1.  15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1.  16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1.  17:00 18:00 0.108 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1.  18:00 19:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.266 1.  18:00 19:00 0.107 0.384 0.382 0.188 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1.  20:00 20:00 0.107 0.385 0.382 0.188 2.202 2.516 3.269 1.997 1.263 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1.  20:00 21:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.250 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.266 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.259 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.266 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.250 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.255 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.250 1.  20:00 23:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.257 1.  20:00 20:00 0.101 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255												0.284	0.386	0.329	1.367			1.545
11:00 12:00 0.109 0.386 0.384 0.189 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.329 1.366 2.498 3.276 1. 12:00 13:00 0.110 0.387 0.384 0.189 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 12:00 13:00 0.110 0.387 0.384 0.191 2.213 2.529 3.285 2.008 1.268 0.286 0.386 0.332 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.386 0.330 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.364 2.495 3.272 1. 15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.498 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 20:00 20:00 0.107 0.385 0.382 0.188 2.202 2.516 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 20:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.257 1. 20:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.257 1. 20:00 23:00 0.109 0.401 0.398 0.398 0.195 2.204 2.518 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1.281	0.285	0.386	0.328				1.544
12:00 13:00 0.110 0.387 0.384 0.191 2.213 2.528 3.285 2.008 1.270 0.285 0.386 0.332 1.366 2.498 3.276 1. 13:00 14:00 0.109 0.386 0.384 0.191 2.213 2.529 3.285 2.008 1.268 0.286 0.386 0.330 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.364 2.495 3.272 1. 15:00 16:00 0.109 0.385 0.383 0.189 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 18:00 19:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.481 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.188 2.202 2.516 3.268 1.997 1.264 0.280 #DIV/O! #DIV/O! 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/O! #DIV/O! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.198 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/O! #DIV/O! 1.359 2.485 3.259 1. 22:00 23:00 0.107 0.384 0.382 0.198 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/O! #DIV/O! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.199 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.484 3.257 1. 20:00 21:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.484 3.257 1. 20:00 0.109 0.401 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/O! #DIV/O! 1.357 2.482 3.255 1. 20:00 0.109 0.401 0.398 0.401 0.398 0.495 2.204 2.514 3.266 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.484 3.255 1. 20:00 0.109 0.401 0.398 0.401 0.398 0.495 2.204 2.514 3.266 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.484 3.255 1. 20:00 0.109 0.401 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/O! #DIV/O! 1.357 2.482 3.255 1.												0.285	0.386	0.329				1.542
13:00 14:00 0.109 0.386 0.384 0.190 2.210 2.525 3.281 2.005 1.263 0.286 0.386 0.330 1.366 2.498 3.276 1. 14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.330 1.364 2.495 3.272 1. 15:00 16:00 0.109 0.385 0.383 0.189 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.188 2.202 2.516 3.268 1.997 1.264 0.280 #DIV/O! #DIV/O! 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/O! #DIV/O! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.486 3.256 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/O! #DIV/O! 1.358 2.483 3.255 1.  Day 0.109 0.401 0.388 0.49 0.491 0.388 0.495 2.200 2.514 3.266 1.996 1.268 0.280 #DIV/O! #DIV/O! 1.358 2.486 3.257 1.  Day 0.109 0.401 0.388 0.491 0.495 2.204 2.518 3.263 1.995 1.329 0.290 #DIV/O! #DIV/O! 1.358 2.483 3.256 1.												0.285	0.386	0.332				1.543
14:00 15:00 0.109 0.385 0.383 0.188 2.206 2.520 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.385 0.382 0.188 2.200 2.514 3.266 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.198 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.257 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.486 3.257 1. 23:00 0:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.486 3.257 1. 23:00 0:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.483 3.256 1. 24:00 0.109 0.401 0.388 0.392 0.190 2.199 2.513 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1.268	0.286	0.386	0.330				1.543
15:00 16:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.258 0.285 0.385 0.329 1.362 2.490 3.266 1. 16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.266 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.257 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.486 3.257 1. 23:00 0.00 0.111 0.505 0.501 0.234 2.866 2.501 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1.263	0.286	0.385	0.330				1.543
16:00 17:00 0.109 0.385 0.383 0.188 2.206 2.521 3.275 2.002 1.259 0.284 0.384 0.328 1.362 2.490 3.266 1. 17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.262 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.268 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.385 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.257 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.  Day 0.109 0.401 0.398 0.195 2.304 2.514 3.266 1.996 1.268 0.280 #DIV/0! #DIV/0! 1.358 2.483 3.256 1.										2.002	1.258	0.285	0,385					1.538
17:00 18:00 0.108 0.385 0.382 0.188 2.204 2.518 3.271 1.999 1.262 0.282 0.384 0.331 1.360 2.488 3.262 1. 18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.331 1.360 2.488 3.262 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.268 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.385 0.382 0.198 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.256 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1.259	0.284	0.384	0.328				1.538
18:00 19:00 0.107 0.384 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.331 1.360 2.488 3.262 1. 19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.385 0.382 0.188 2.202 2.516 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.202 2.516 3.269 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.256 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1.261	0.283	0.385	0.330				1.540
19:00 20:00 0.107 0.385 0.382 0.191 2.201 2.515 3.267 1.997 1.263 0.280 0.384 0.326 1.359 2.485 3.259 1. 20:00 21:00 0.107 0.385 0.382 0.188 2.202 2.516 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.202 2.514 3.266 1.998 1.268 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.198 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.486 3.257 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.866 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.358 2.483 3.256 1.  Day 0.109 0.401 0.388 0.195 2.304 2.514 3.267 0.280 #DIV/0! #DIV/0! 1.358 2.483 3.255 1.											1.262	0.282	0.384	0.331				1.537
20:00 21:00 0.107 0.385 0.382 0.188 2.200 2.516 3.268 1.997 1.264 0.280 #DIV/0! #DIV/0! 1.359 2.485 3.259 1. 21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.267 0.280 #DIV/0! #DIV/0! 1.358 2.484 3.257 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.											1,263	0.280	0.384	0.326				1.536
21:00 22:00 0.107 0.384 0.382 0.188 2.200 2.514 3.269 1.998 1.268 0.280 #DIV/0I #DIV/0I 1.359 2.486 3.260 1. 22:00 23:00 0.107 0.384 0.382 0.190 2.199 2.513 3.264 1.996 1.267 0.280 #DIV/0I #DIV/0I 1.358 2.484 3.257 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/0I #DIV/0I 1.357 2.482 3.255 1.												0.280	#DIV/0!	#DIV/0!				1.536
22:00 23:00 0.107 0.384 0.382 0.196 2.200 2.514 3.266 1.996 1.267 0.280 #DIV/0I #DIV/0I 1.358 2.484 3.257 1. 23:00 0:00 0.111 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/0I #DIV/0I 1.357 2.482 3.255 1.  Day 0.109 0.401 0.388 0.195 3.204 3.514 3.277 0.000												0.280	#DIV/0!	#DIV/0I				1.536
23:00 0:00 0.111 0.505 0.501 0.234 2.886 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.358 2.483 3.256 1.  Day 0.109 0.401 0.398 0.195 2.304 2.514 2.377 0.000 0.000 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.												0.280	#DIV/01	#DIV/01				1.533
Day 0.109 0.401 0.398 0.195 2.306 2.512 3.263 1.995 1.329 0.290 #DIV/0! #DIV/0! 1.357 2.482 3.255 1.												0.280	#DIV/0!	#DIV/0!				1.533
													#DIV/0!	#DIV/0!				1.533
2,002 1,778 11,784 0,396 0,390 4,000 0,400			0.100	0.401	0.096	v.195	2,294	2.521	3.276	2.002	1.278	0.284	0.385	0.329	1.362			1,539

Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.51-diesel

MC-5

PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-diesel

Fran DD bus - diesel MC-10

MC-11 Motorcycle -petrol Taxi-3 Taxi

Taxi-4 PrLB<3.5t-diesel

Taxl-5 PrLB>3.5t (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-diesel

Taxl-7 Non-fran bus<6.4-15t-diesel

Taxi-8 Non-fran bus>15t-diesel

Fran SD bus - diesel Taxi-10

Calculation of RSP Emission Factor (gm/mile/vehicle) for each hours for NLH and Airport Road

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	<b>T</b> 6	T 140
0:00	1:00	0.005	0.056	0.043	0.056	0.042	0.065	0,059	0.036	0.107	0.028	#DIV/0!				Taxi-8	Taxi-10
1:00	2:00	0.005	0.056	0,043	0.059	0.042	0.065	0.059	0.036	0.107	0.028		#DIV/0!	0.037	0.057	0.053	0.036
2:00	3:00	0.005	0.055	0.043	0.058	0.042	0.065	0.059	0.036	0.107	0.028	#DIV/0!	#DIV/0!	0.037	0.058	0.054	0.036
3:00	4:00	0.005	0.055	0.043	0.053	0.042	0.065	0.059	0.037	0.107		#DIV/0!	#DIV/0!	0.037	0.057	0.054	#DIV/0
4:00	5:00	0.005	0.054	0.043	0.060	0.042	0.065	0.059	0.036	0.107	0.028 0.028	#DIV/01	#DIV/0!	0.037	0,057	0.055	#DIV/0
5:00	6:00	0.005	0.056	0.043	0,056	0.042	0.065	0.059	0.036	0.107		#DIV/0!	#DIV/0!	0.037	0,057	0.053	#DIV/0
6:00	7:00	0.005	0.055	0.043	0.058	0.042	0.065	0.059	0.036	0.107	0.028	#DIV/0!	#DIV/0!	0.037	0.057	0.054	0,036
7:00	8:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.028	#DIV/01	#DIV/0!	0.037	0.057	0.053	0.039
8:00	9:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.077	0.090	0.037	0.057	0.053	0.038
9:00	10:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036		0.025	0.076	0,090	0.037	0.057	0.053	0.038
10:00	11:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079 0.079	0.025	0.077	0.090	0.037	0.057	0.053	0.038
11:00	12:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.076	0.091	0.037	0.057	0.053	0.038
12;00	13:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036		0.025	0.077	0.091	0.037	0.057	0.053	0.038
13:00	14:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.077	0.091	0.037	0.057	0.053	0.039
14:00	15:00	0.004	0.056	0.044	0,057	0.043	0.065	0.059		0.079	0.025	0.076	0.091	0.037	0.057	0.053	0.038
15:00	16:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.076	0.091	0.037	0.057	0.053	0.039
16:00	17:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.077	0.091	0.037	0.057	0.053	0.038
17:00	18:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.076	0.091	0.037	0,057	0.053	0.038
18:00	19:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	0.077	0.091	0.037	0.057	0.053	0.038
19:00	20:00	0.004	0.056	0.044	0,058	0.043	0.065		0.036	0.079	0.025	0.076	0.090	0.037	0,057	0.053	0.038
20:00	21:00	0.004	0.056	0.044	0,057	0.043	0.065	0.059	0.036	0.079	0.025	#DIV/0I	#DIV/0!	0.037	0.057	0.053	0,038
21:00	22:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	#DIV/0!	#DIV/0!	0.037	0.057	0.053	0,038
22:00	23:00	0.004	0.056	0.044	0.057	0.043	0.065	0.059	0.036	0.079	0.025	#DIV/0!	#DIV/0!	0.037	0.057	0.053	0.038
23:00	0;00	0.005	0.055	0.043	0.057	0.043	0.065	0.059	0.036	0,079	0.025	#DIV/0I	#DIV/0!	0.037	0,057	0,053	0.038
	Day	0.004	0,056	0.044	0.057	0.042	0.065	0.059 0.059	0.036	0.107	0.028	#DIV/0!	#DIV/0!	0,037	0.057	0.053	0.039
					0.007	0.043	0.000	0.059	0.036	0.083	0.025	0.076	0.091	0.037	0,057	0.053	0.038

Vehicle classes

MC-1 PC+LGV-petrol MC-3 PC+LGV<2.6-diesel MC-4 LGV2.6-3.5t-diesel MC-5 PLB (LPG/Diesel) MC-6 LGV>3.5t-diesel MC-7 HGV<15t-diesel MC-8 HGV>15t-diesel MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol Taxi-3 Taxi Taxi-4 Prl.B<3.5t-diesel Taxi-5 PrLB>3.5t (LPG/Dieset) Taxi-6 Non-tran bus<6.4t-diesel Taxi-7 Non-fran bus<6.4-15t-diesel Taxi-8

Non-fran bus>15t-diesel

#DIV/0I means zero VMT

Calculation of NOX Emission Factor (gm/mile/vehicle) for each hours for other roads

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	7-10						
0:00	1:00	0.129	0.228	0.226	0.109	1,300	2.384	3.097	1,877		Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0,129	0.228	0.226	0.108	1.300	2.383	3.096	1.877	1.205	0.300	#DIV/0!	#DIV/0!	1.292	2.361	3.097	1.444
2:00	3:00	0.131	0.231	0.226	0,110	1.301	2.386	3.100	1.880	1.216 1.234	0.301	#DIV/01	#DIV/01	1,291	2.361	3.096	1.442
3:00	4:00	0.130	0.230	0.226	0,110	1.303	2.389	3.104	1.882	1,224	0.302	#DIV/0!	#DIV/0!	1.293	2,364	3.101	1.447
4:00	5:00	0.129	0.226	0.226	0.111	1.305	2,393	3.109	1.884	1,224	0.302	#DIV/01	#DIV/0!	1.294	2.366	3.104	1,441
5:00	6:00	0,129	0.227	0,227	0.108	1.307	2,396	3.113	1.887	1.180	0.303	#DIV/0!	#DIV/0!	1,297	2,371	3.110	1.450
6:00	7:00	0,129	0.228	0.227	0.108	1,307	2.397	3.115	1.888	1,178	0.303	#DIV/0!	#DIV/0!	1.298	2.374	3,113	1,450
7:00	8:00	0.138	0.244	0.243	0.116	1,401	2.569	3.337	2.122	1.135	0.304	#DIV/0I	#DIV/0!	1.299	2.375	3.115	1,451
8:00	9:00	0.138	0.245	0.243	0.117	1.403	2.573	3.343	2.125	1.143	0.331	0.240	0.205	1.373	2.511	3.294	1.632
9:00	10:00	0.139	0.245	0.244	0.116	1,404	2,575	3.345	2.126		0.332	0.240	0.204	1.375	2.515	3,299	1.636
10:00	11:00	0.139	0.245	0.243	0.117	1.403	2,572	3.342	2.126	1.158 1.161	0.333	0.240	0.204	1.376	2.516	3.301	1.636
11:00	12:00	0.140	0.245	0.243	0.116	1,403	2.572	3.341	2.124		0,333	0.240	0.204	1.374	2.514	3,298	1.635
12:00	13:00	0.140	0,245	0.243	0.116	1,403	2,572	3,342	2.124	1.163 1.163	0.334	0.240	0.203	1.374	2.514	3.298	1.635
13:00	14:00	0.140	0,244	0.243	0.116	1.401	2.569	3,337	2.121	1.163	0.335	0.240	0.205	1.375	2.514	3.298	1.635
14:00	15:00	0.140	0.244	0.243	0.116	1.398	2.564	3.331	2.118	1.159	0.334	0.240	0.205	1.373	2.510	3.294	1.633
15:00	16:00	0,139	0.244	0.243	0.116	1.398	2.564	3.331	2.118	1.155	0.333	0.239	0.203	1.370	2.506	3.288	1.630
16:00	17:00	0.139	0.244	0.243	0.116	1.398	2.564	3,331	2.118	1.161	0.332 0.331	0.239	0.202	1.370	2.506	3.288	1.629
17:00	18:00	0.138	0.243	0.242	0.116	1.397	2.561	3.327	2.115	1.160	0.331	0.239	0.203	1.370	2.506	3.288	1.630
18:00	19:00	0,138	0.244	0.242	0.115	1.395	2.558	3.323	2.113	1.165	0.330	0.239	0.204	1.369	2.503	3.284	1.627
19:00	20:00	0.138	0.243	0.242	0.116	1.395	2.559	3.324	2.113	1.172	0.328	0.239	0.202	1.367	2,500	3.280	1.626
20:00	21:00	0.130	0.228	0.226	0.109	1.303	2.389	3.104	1.882	1.220	0.328	#DIV/0!	#DIV/0!	1.367	2.501	3.281	1.627
21:00	22;00	0.130	0.227	0.226	0.109	1.302	2.387	3.101	1.880	1.218	0.302	#DIV/0	#DIV/0	1.294	2.367	3.104	1.446
22:00	23:00	0.130	0.228	0.226	0.109	1.301	2,386	3.100	1.879	1.216	0.301	#DIV/0!	#DIV/0!	1.293	2.365	3.102	1.444
23:00	0:00	0.129	0.228	0.226	0.109	1.301	2.385	3,099	1.878	1.208	0.301	#DIV/0! #DIV/0!	#DIV/0!	1.293	2.364	3.100	1.444
	Day	0.136	0.240	0.238	0.114	1.373	2.518	3.272	2.055	1.171	0.324	0,240	#DIV/0!	1.292	2.363	3.099	1.442
											0.524	U.Z4U	0.204	1.351	2.470	3.241	1.581

Vehicle classes

MC-1 PC+LGV-petrol

MC-3 PC+LGV<2.6-diesel

MC-4 LGV2.6-3.5t-diesel

MC-5 PLB (LPG/Diesel)

MC-6 LGV>3.5t-diesel

MC-7 HGV<15t-diesel

MC-8 HGV>15t-diesel

MC-10 Fran DD bus - diesel

MC-11 Motorcycle -petrol Taxi-3 Taxi

Taxi-4 Prl.B<3.5t-diesel

Taxi-5 PrLB>3.5t (LPG/Diesel)

Taxi-6 Non-fran bus<6.4t-diesel

Taxi-7 Non-fran bus<6.4-15t-dieset

Taxi-8 Non-fran bus>15t-dieset

Taxi-10 Fran SD bus - diesel

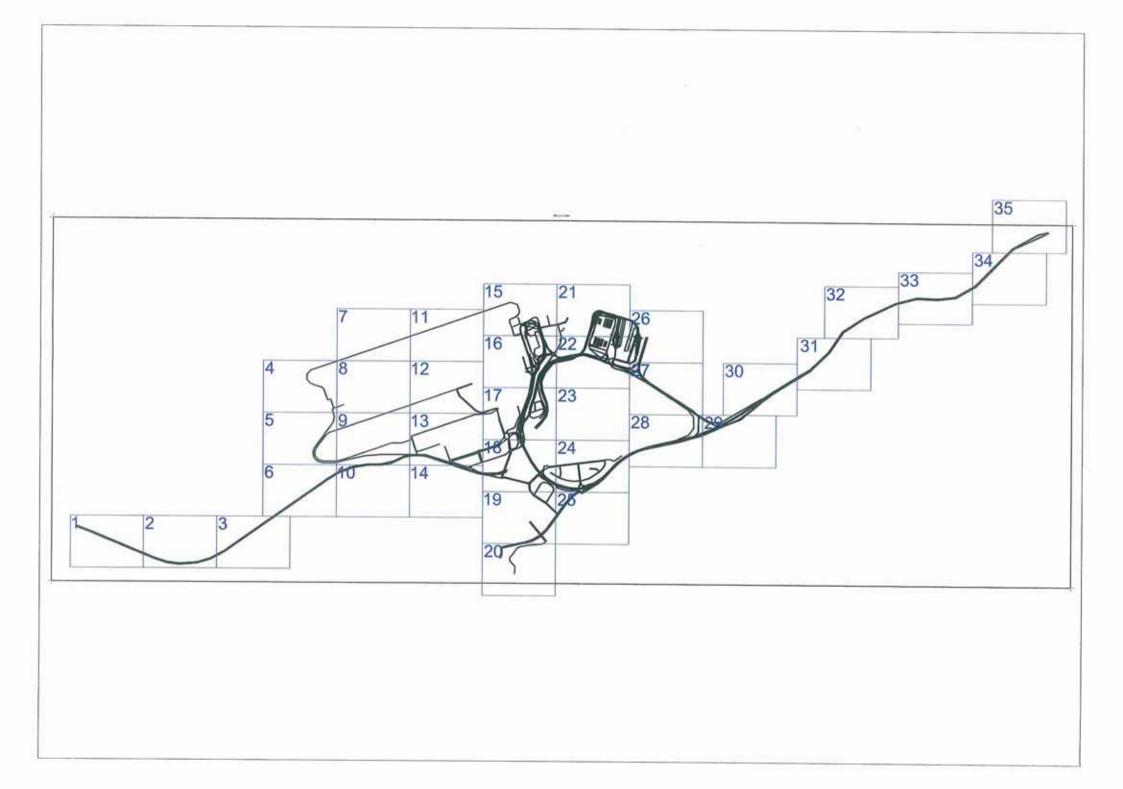
Calculation of RSP Emission Factor (gm/mile/vehicle) for each hours for other roads

	our	MC-1	MC-3	MC-4	MC-5	MC-6	MC-7	MC-8	MC-10	MC-11	7						
0:00	1:00	0.005	0.081	0.063	0.074	0.062	0.081	0.073	0.044		Taxi-3	Taxi-4	Taxi-5	Taxi-6	Taxi-7	Taxi-8	Taxi-10
1:00	2:00	0.005	0.081	0.063	0.074	0.062	0.081	0.073		0.049	0.028	#DIV/0!	#DIV/0I	0.045	0.071	0.065	0.047
2:00	3:00	0.005	0.083	0.063	0.074	0.062	0.080	0.073	0.044	0.048	0.028	#DIV/01	#DIV/0!	0.045	0.071	0.066	0.049
3:00	4:00	0,005	0.084	0.063	0.074	0.062	0.081	0.073	0.044	0.050	0.028	#DIV/0!	#DIV/0l	0.046	0.070	0.066	0.044
4:00	5:00	0,005	0.080	0.063	0.075	0.062	0.081	0.073	0.044	0.050	0.028	#DIV/0!	#DIV/0!	0.045	0.070	0.065	0.048
5:00	6:00	0.005	0.081	0.063	0.073	0.062	0.081	0.073	0.044	0.056	0.028	#DIV/0!	#DIV/0!	0.045	0.071	0.066	0.049
6:00	7:00	0,005	0.081	0.063	0.073	0.062	0.081	0.073	0,044	0.058	0.028	#DIV/01	#DIV/0!	0.045	0,070	0.066	0.048
7:00	8:00	0.007	0.101	0.079	0.088	0.077	0.101	0.073	0.044	0.057	0.028	#DIV/0!	#DIV/0!	0.045	0.070	0.066	0,048
8:00	9:00	0.007	0,101	0.079	0.089	0.077	0.101	0.091	0.059	0.059	0.039	0.130	0.150	0.054	0.085	0.079	0,063
9:00	10:00	0.006	0.101	0.079	0.088	0.077	0.101	0.091	0.059	0.056	0.039	0.130	0.149	0.055	0.085	0.079	0.064
10:00	11:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059	0.052	0.039	0.130	0.149	0.054	0.085	0.079	0.063
11:00	12:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059	0.051	0.039	0.130	0.149	0.054	0.085	0.079	0.064
12:00	13:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059 0.059	0.050	0.039	0.130	0.149	0.054	0.085	0.079	0.063
13:00	14:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091		0.050	0.039	0.130	0.150	0.055	0.085	0.079	0.064
14:00	15:00	0,006	0.101	0,079	0.088	0.077	0.101	0.091	0.059	0.049	0.039	0.130	0.150	0.054	0.085	0.079	0.064
15:00	16:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059	0.050	0.039	0.129	0.149	0.054	0.085	0.079	0.064
16:00	17:00	0.006	0.101	0.079	0.088	0.077	0.101	0.091	0.059	0.050	0.039	0.130	0.149	0.054	0.085	0.079	0.063
17:00	18:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059	0.050	0.039	0.129	0.149	0.054	0.085	0.079	0.064
18:00	19:00	0.006	0.101	0.079	0.088	0.077	0.101	0.091	0.059	0.051	0.039	0.130	0.150	0.054	0.085	0.079	0.064
19:00	20:00	0.006	0.101	0.079	0.089	0.077	0.101	0.091	0.059	0.050	0.039	0.130	0.149	0.054	0.085	0.079	0.063
20:00	21:00	0.005	0.081	0.063	0.074	0.062	0.081	0.051	0.059	0.049	0.039	#DIV/0!	#DIV/0!	0.054	0.085	0.079	0.062
21:00	22:00	0.005	0.081	0.063	0.074	0.062	0.081	0.073	0,044	0.047	0.028	#DIV/0!	#DIV/0!	0.045	0.070	0.065	0.047
22:00	23:00	0.005	0.081	0.063	0.074	0.062	0.081	0.073	0.044	0.047	0.028	#DIV/0!	#DIV/0!	0.045	0.070	0.065	0.047
23:00	0:00	0.005	0.081	0.063	0.074	0.062	0.081	0.073	0.044	0.048	0.028	#DIV/0!	#DIV/0I	0.045	0.070	0.065	0.048
	Day	0.006	0.096	0.075	0.085	0.073	0.096	0.073	0.044	0.050	0.028	#DIV/0!	#DIV/0!	0.045	0.070	0.065	0.048
			-			0.370	0.030	0.000	0.055	0.051	0.036	0.130	0.149	0.052	0.081	0.075	0,059

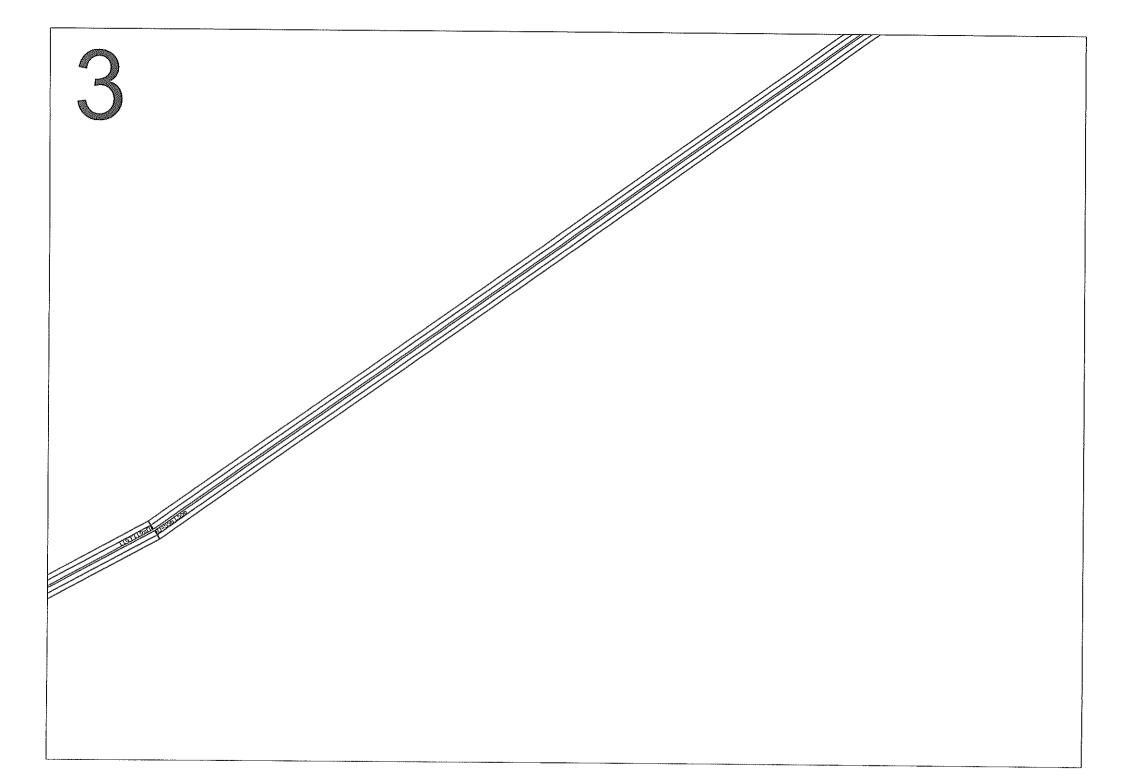
### Vehicle classes

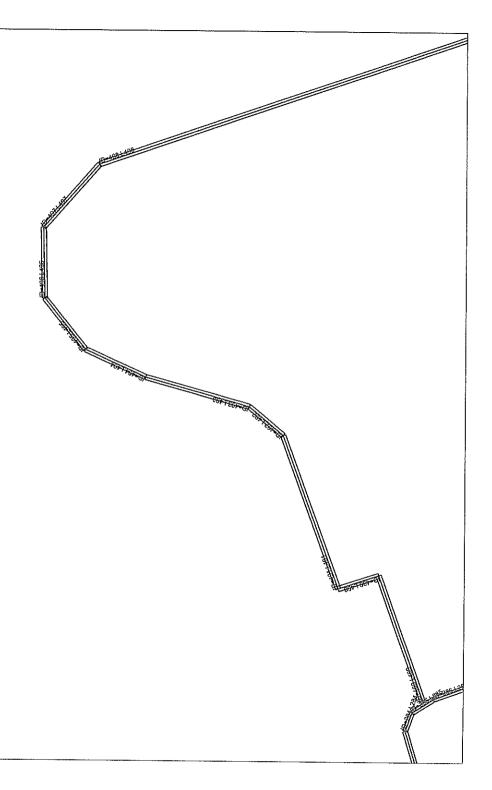
MC-1 PC+LGV-petrol MC-3 PC+LGV<2.6-diesel MC-4 LGV2.6-3.5t-diesel MC-5 PLB (LPG/Diesel) MC-6 LGV>3.5t-diesel MC-7 HGV<15t-diesel MC-8 HGV>15t-diesel MC-10 Fran DD bus - diesel MC-11 Motorcycle -petrol Taxi-3 Taxi Taxi-4 PrLB<3.5t-diesel Taxi-5 Prl\_B>3.5t (LPG/Diesel) Taxi-6 Non-fran bus<6.4t-diesel Taxi-7 Non-fran bus<6.4-15t-diesel Taxi-8 Non-fran bus>15t-diesel

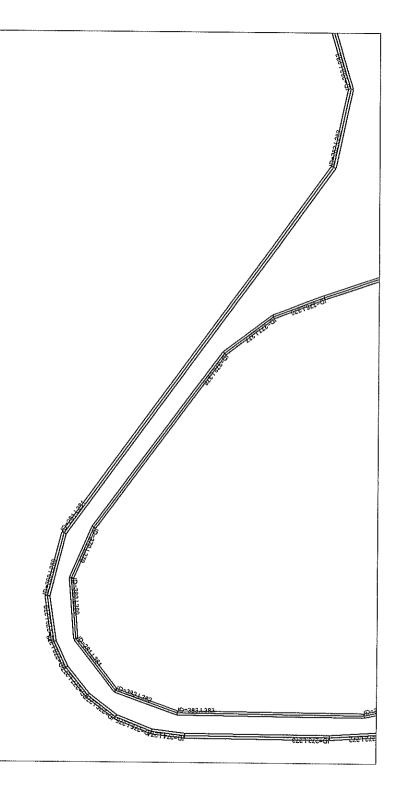
#DIV/0! means zero VMT

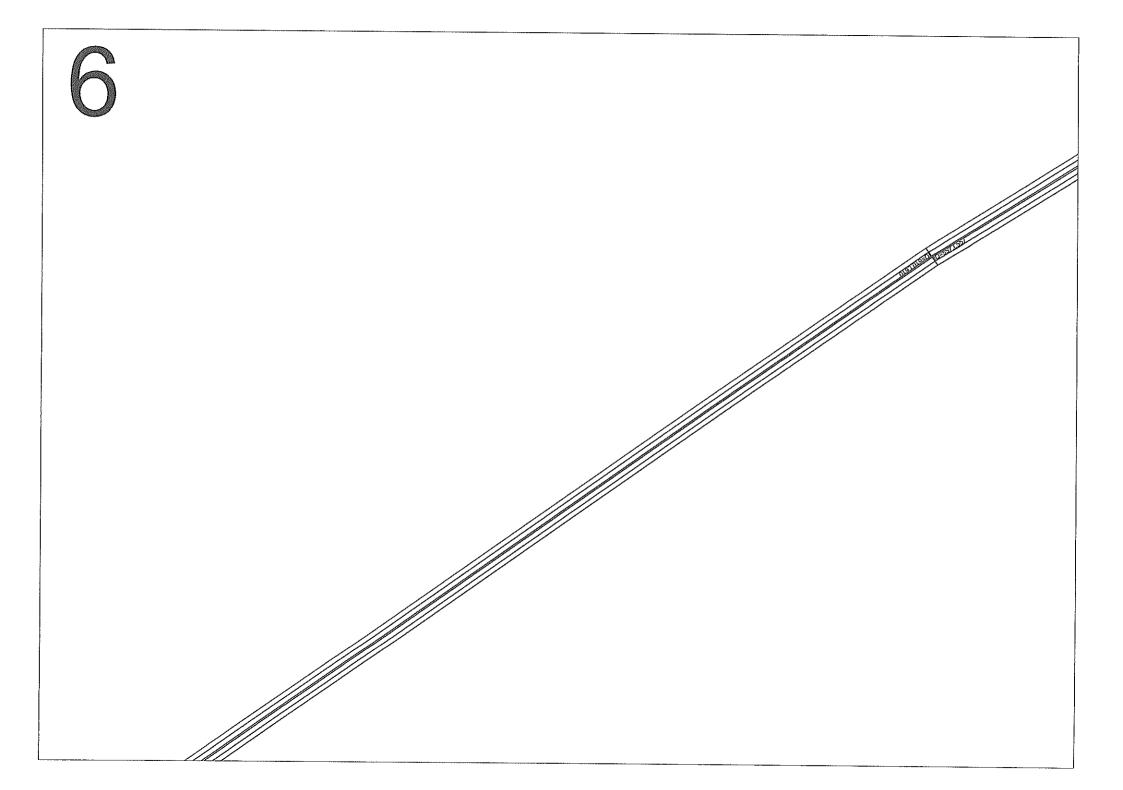


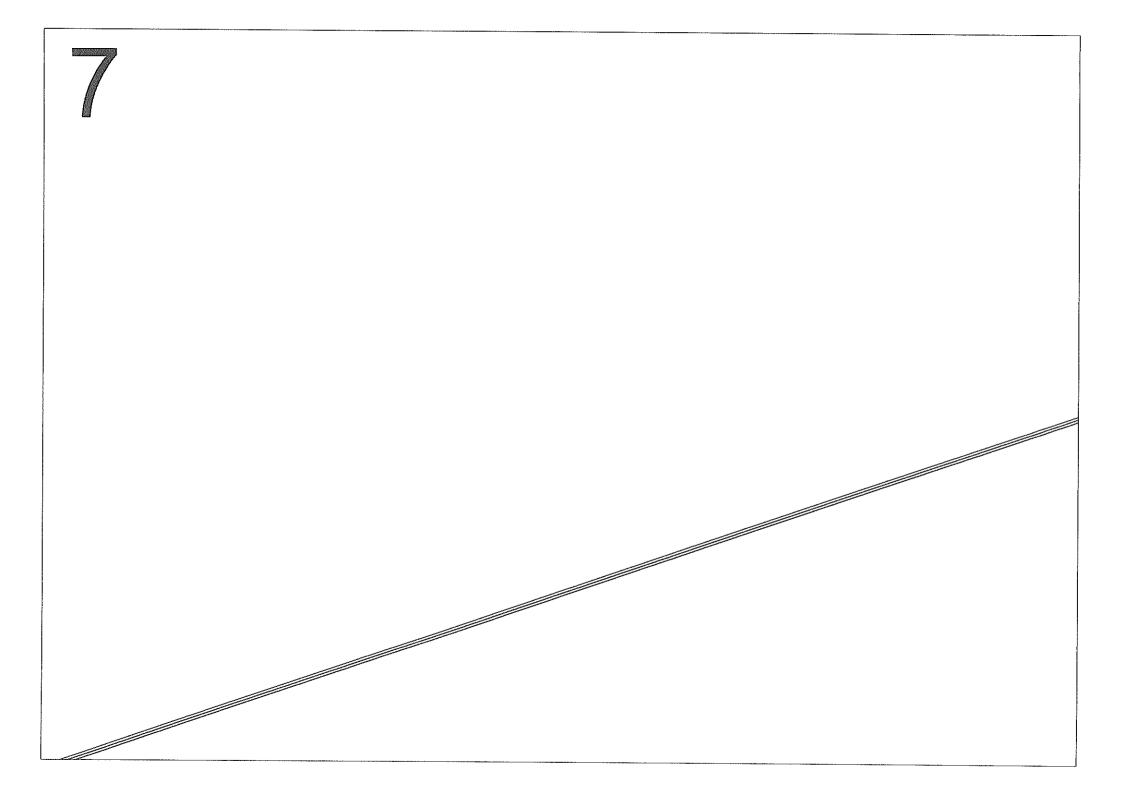


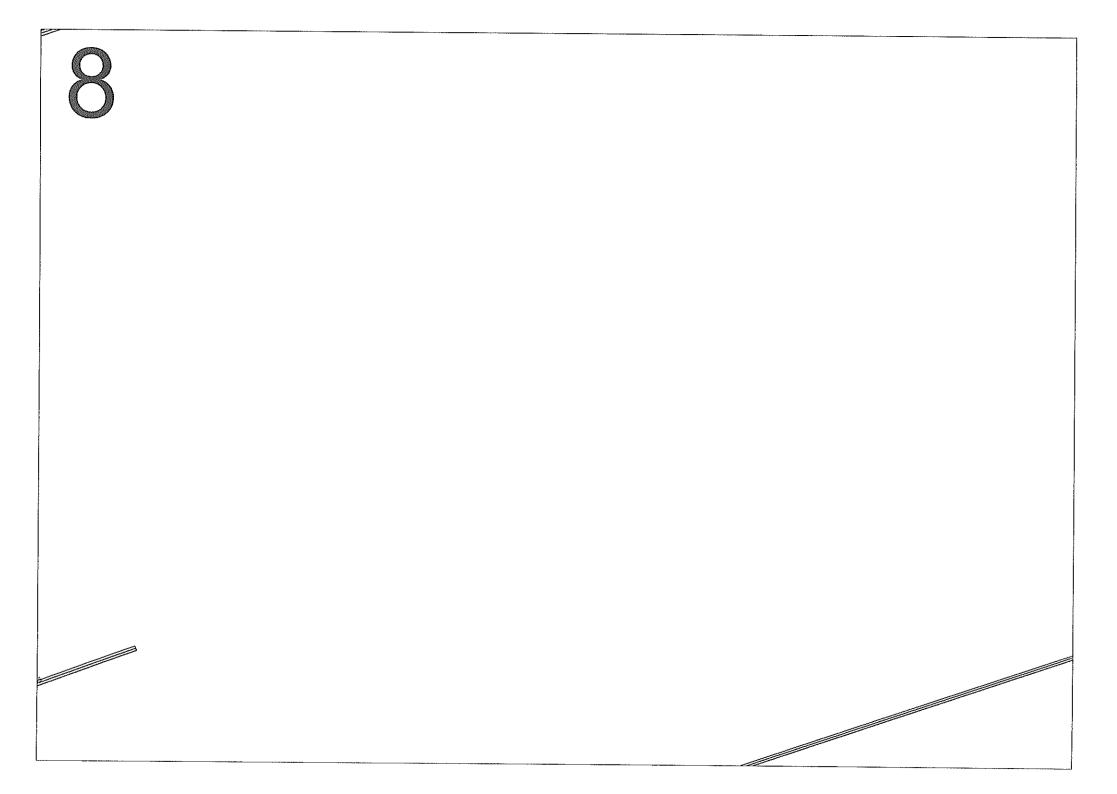


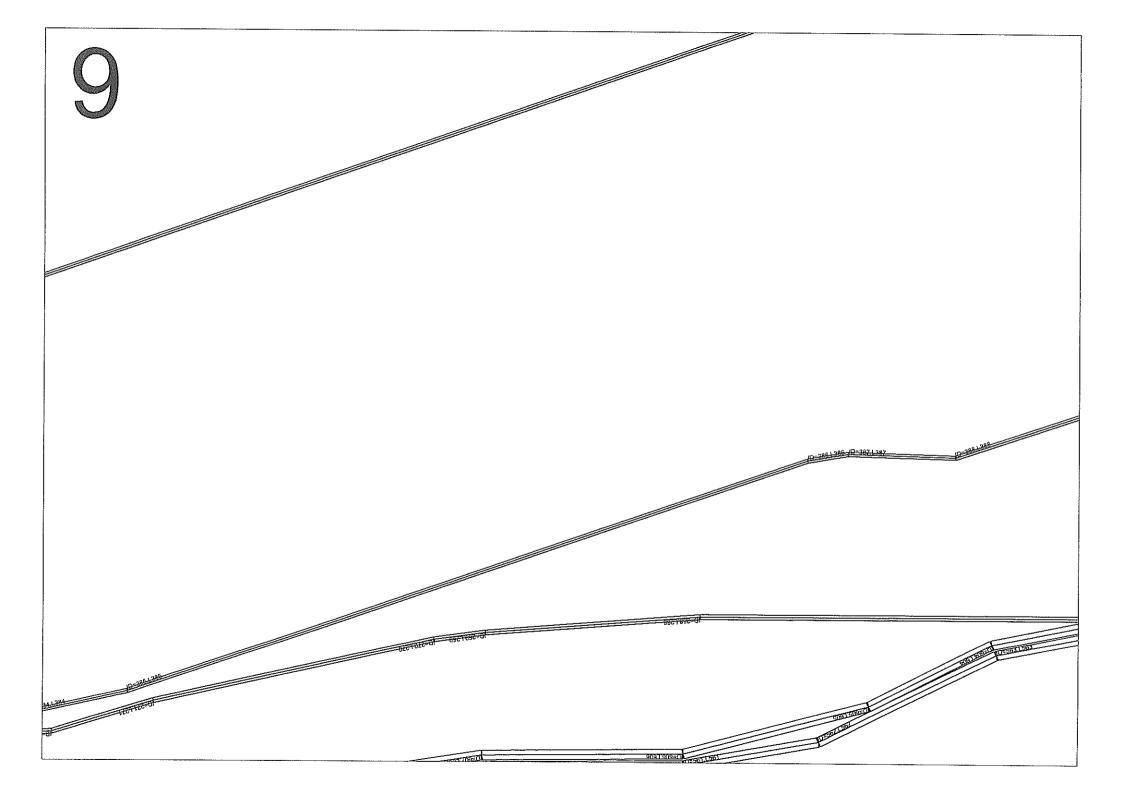


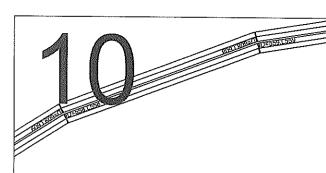


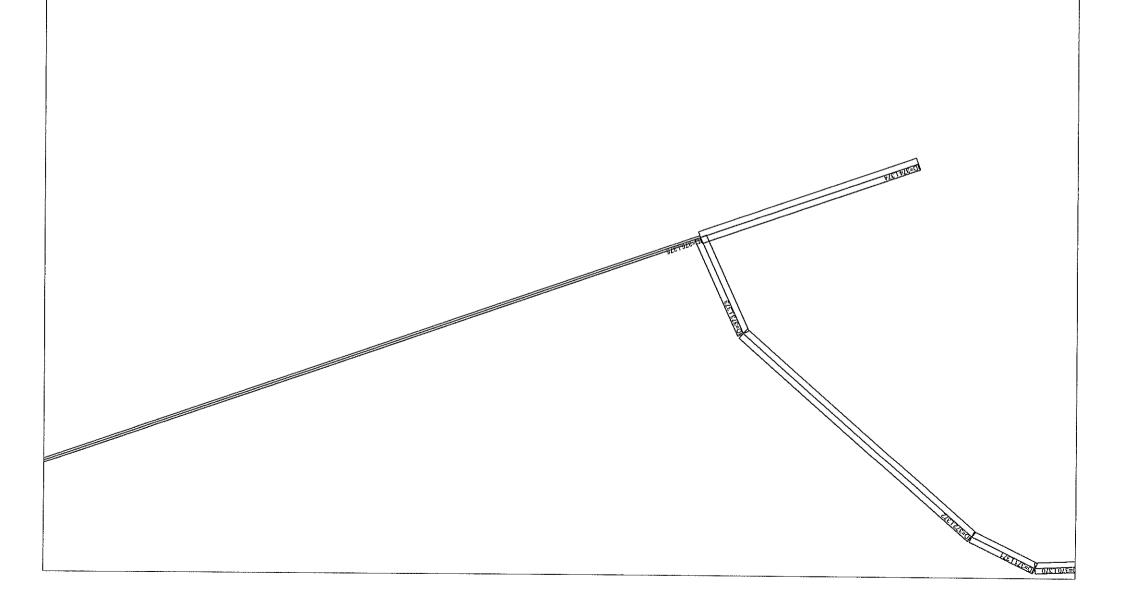


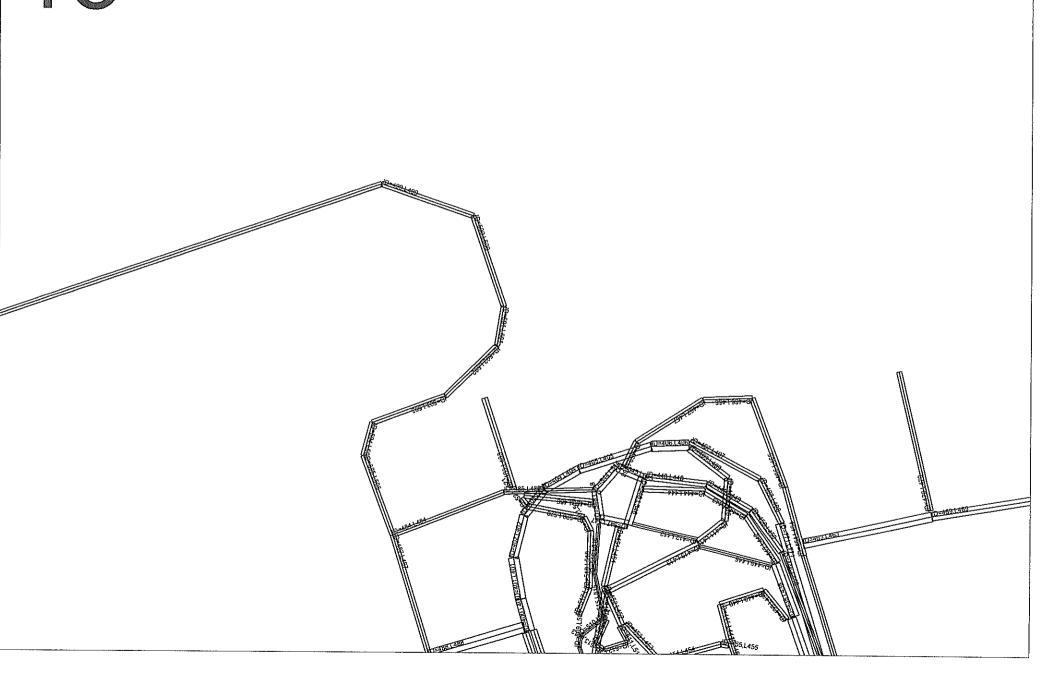


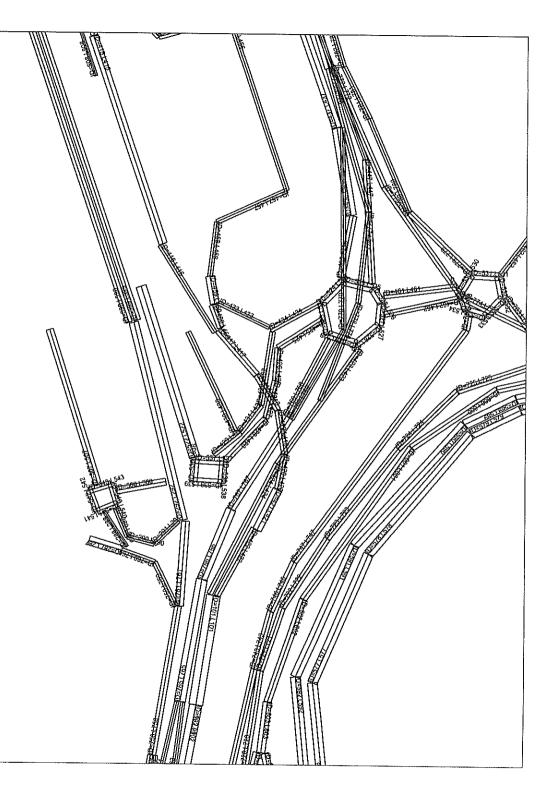


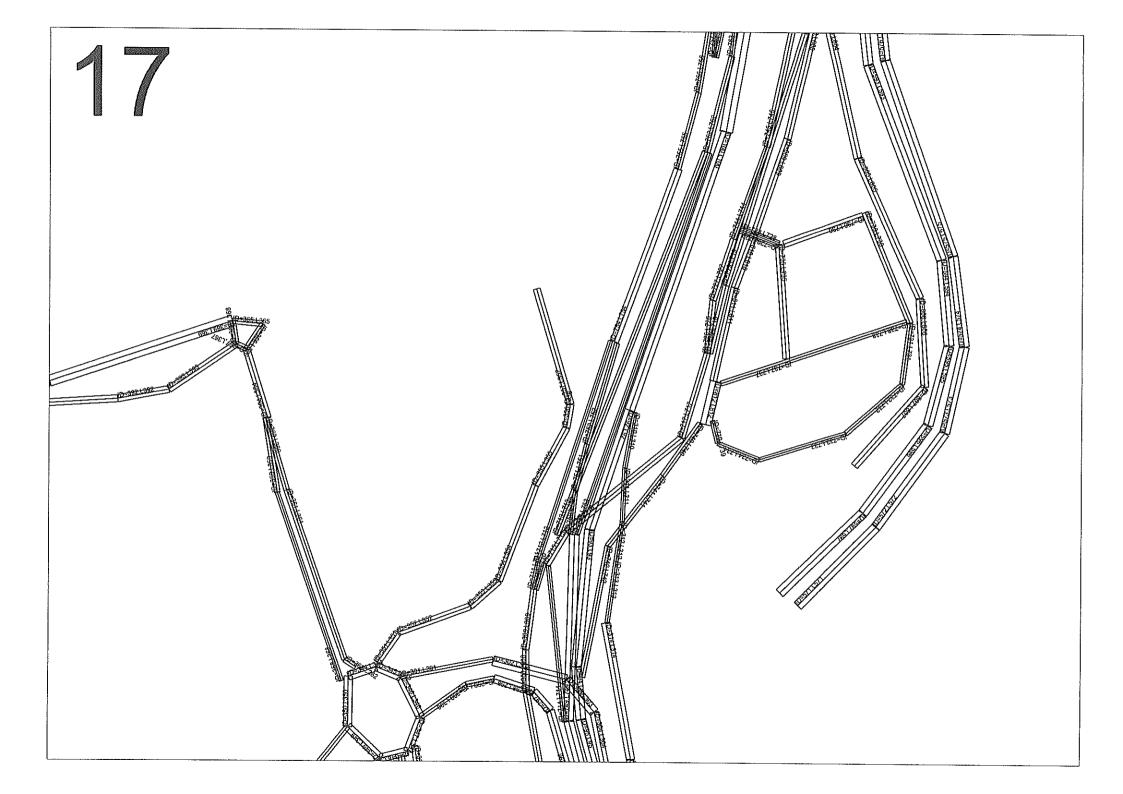


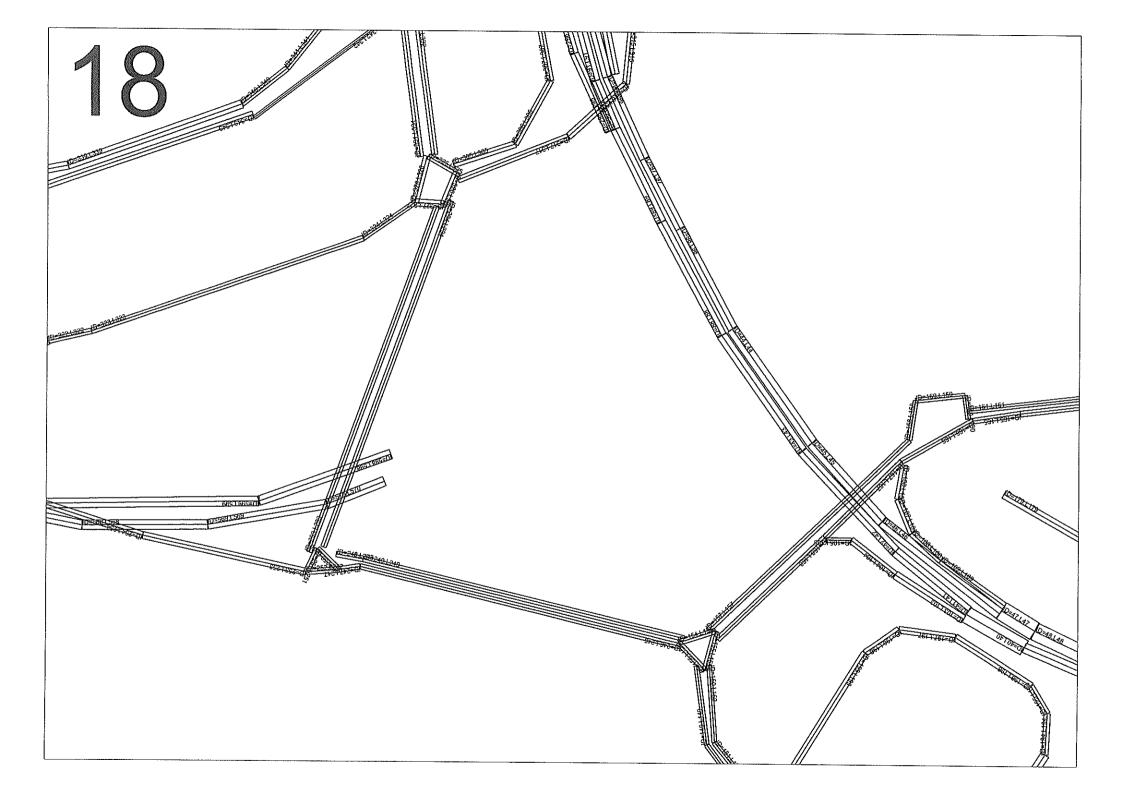


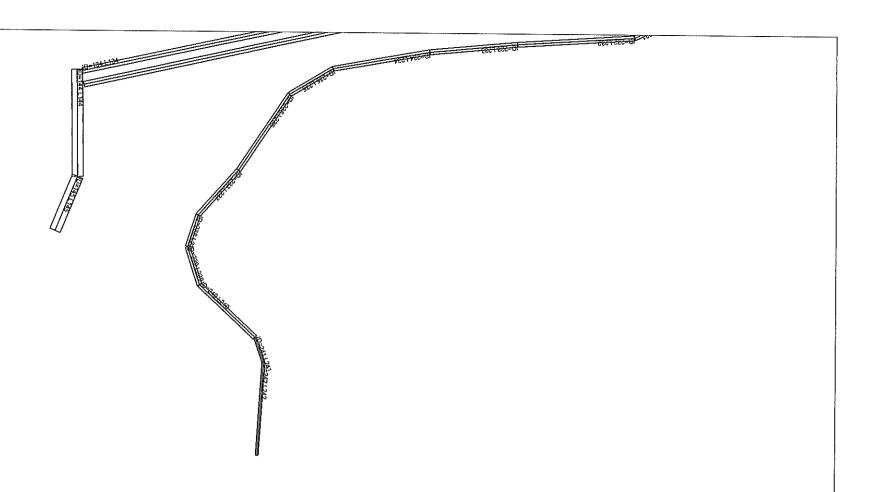


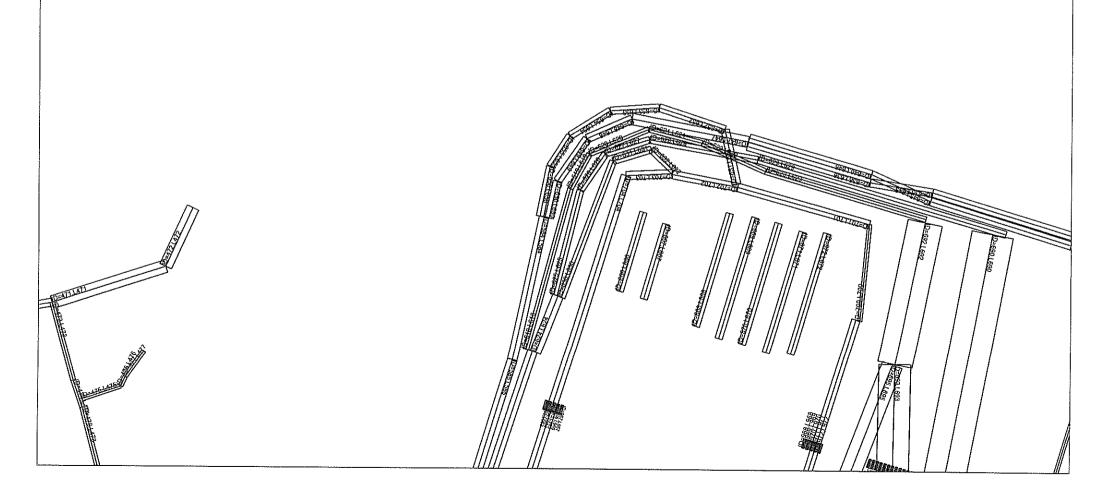


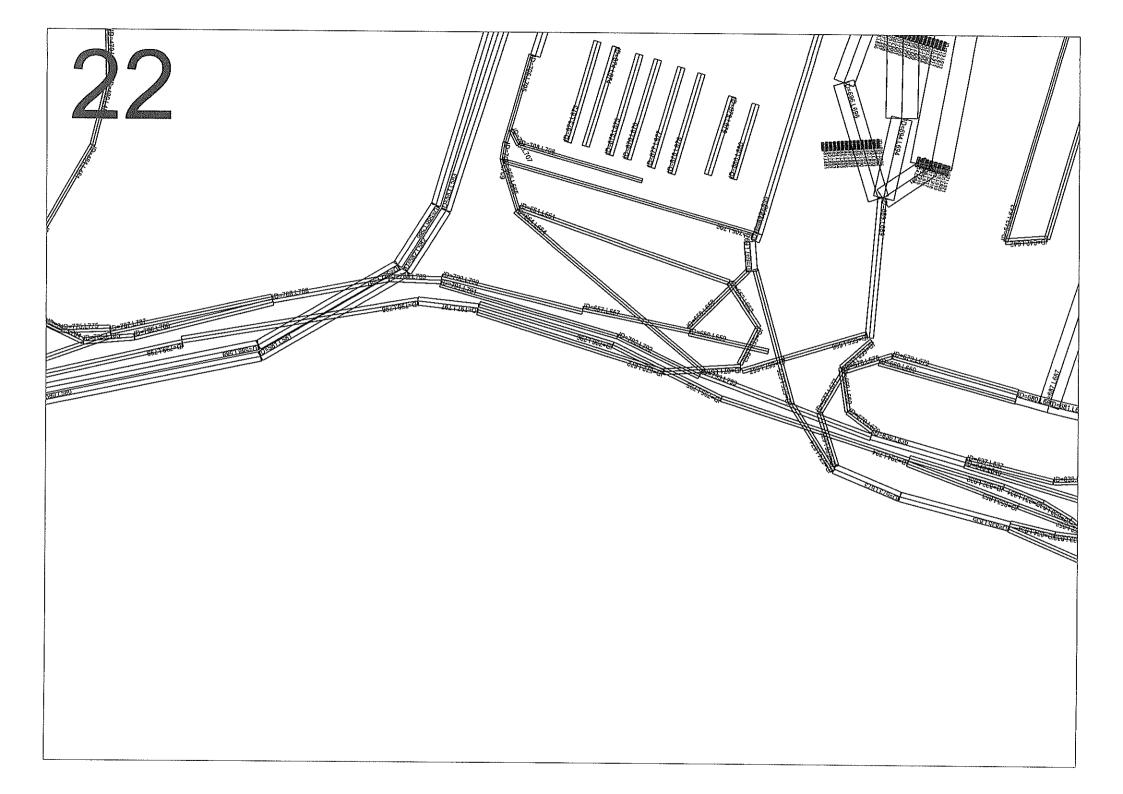


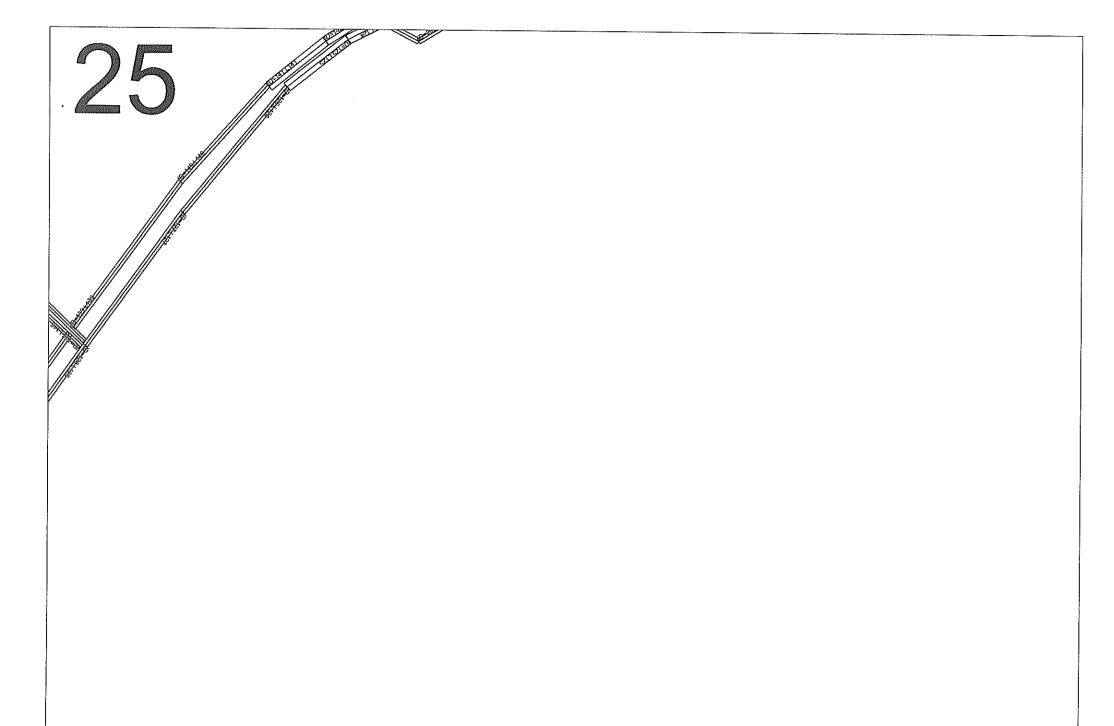


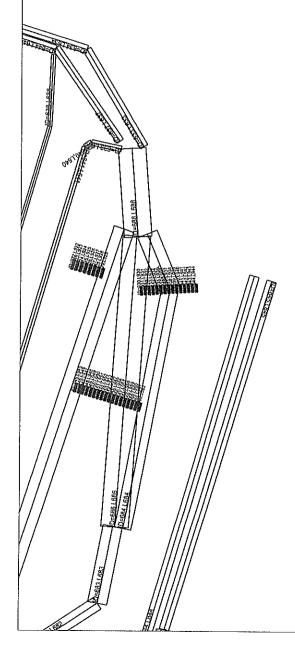


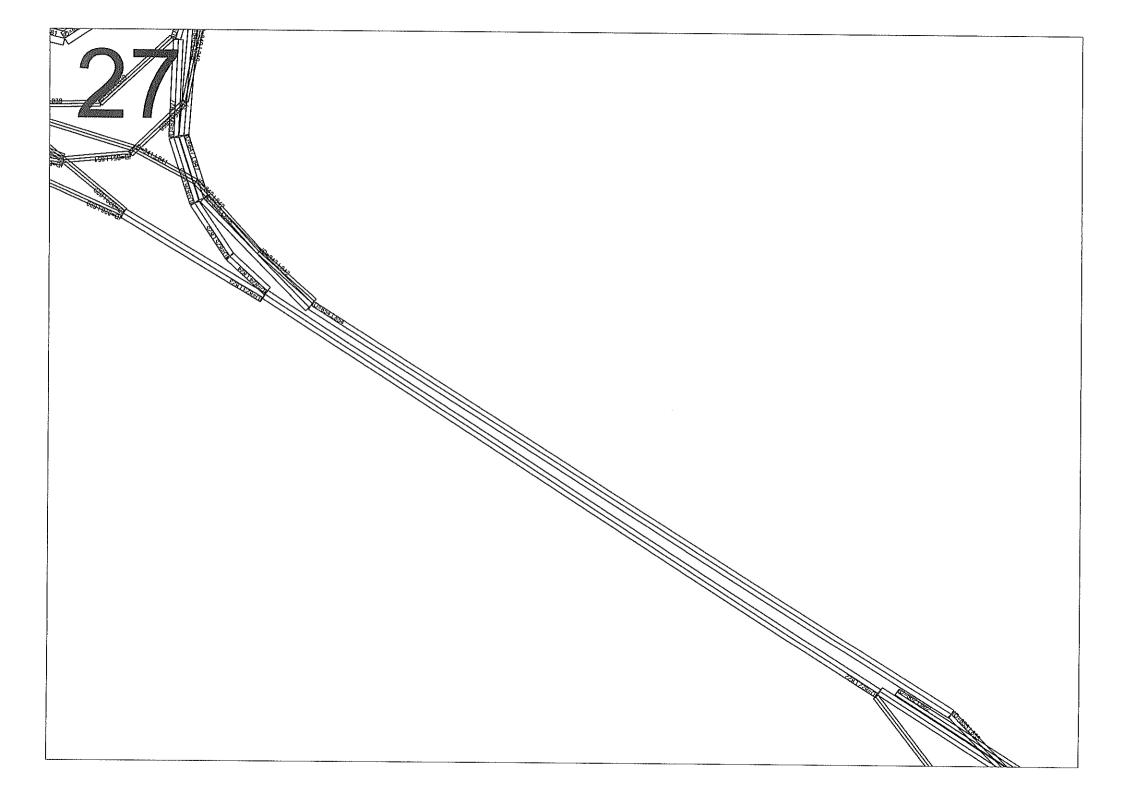


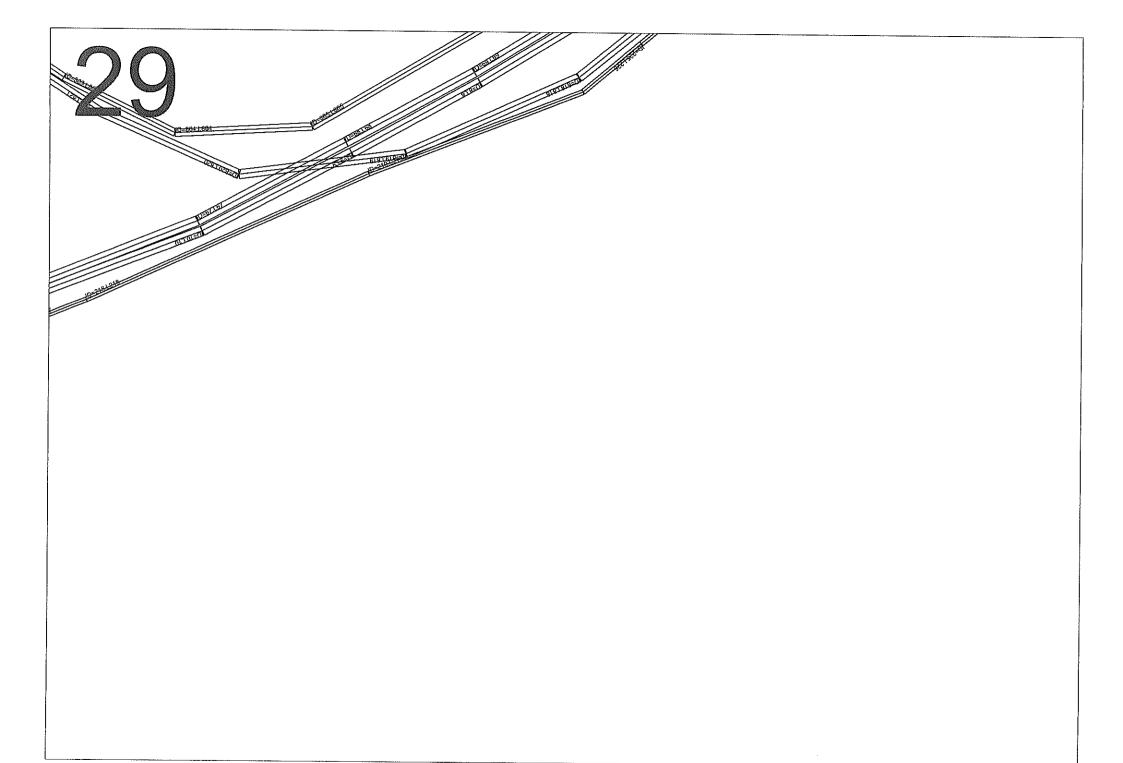




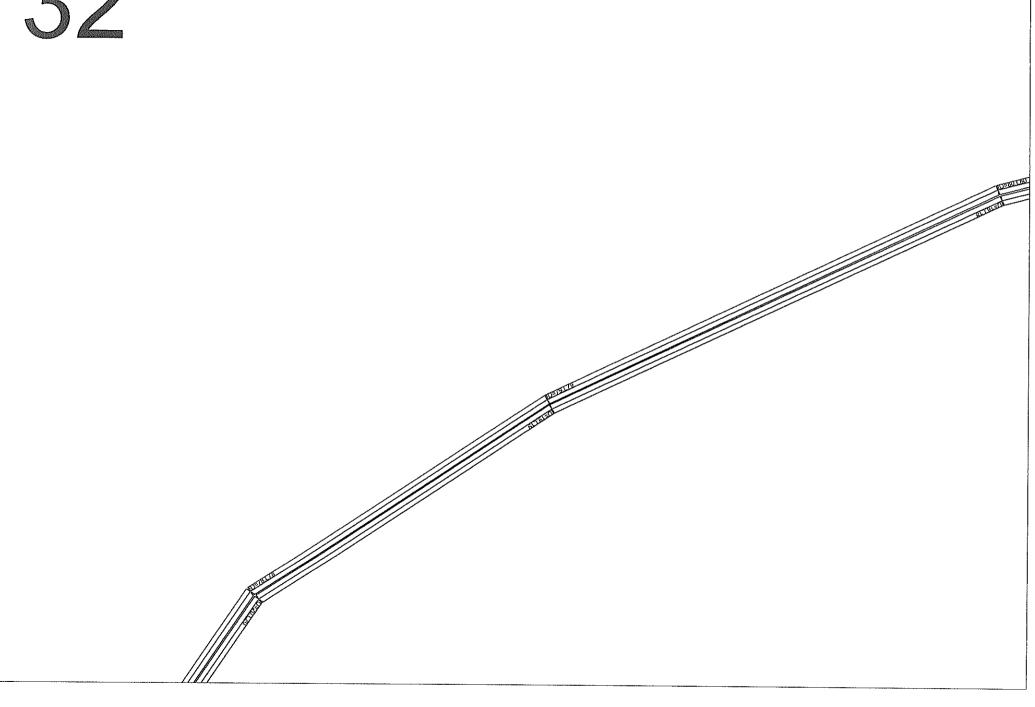


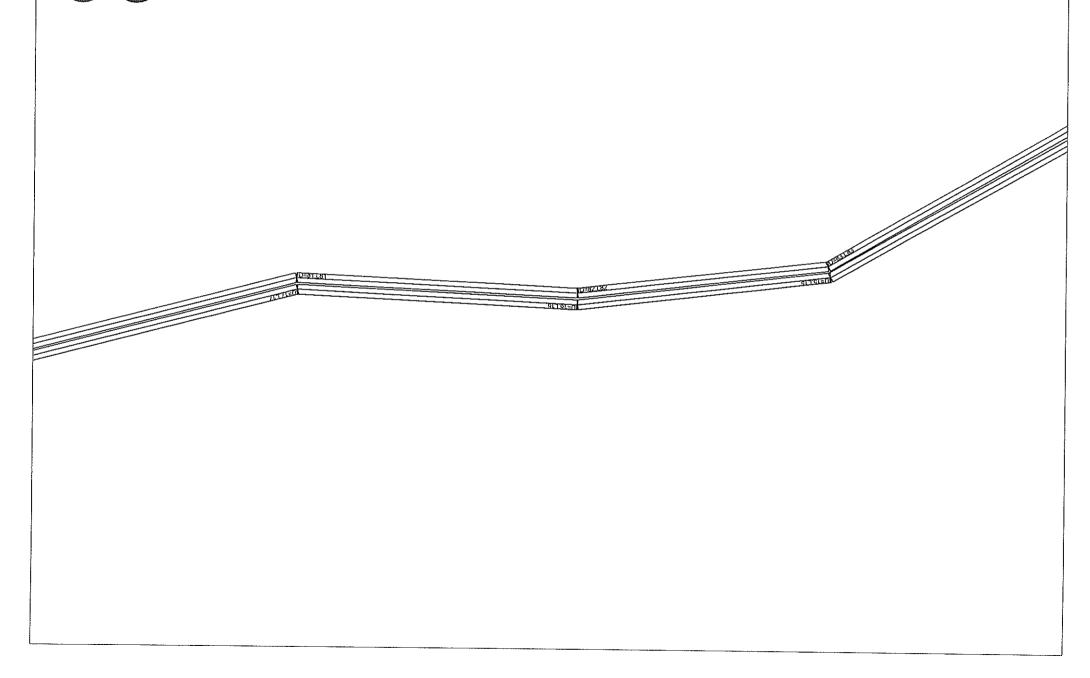


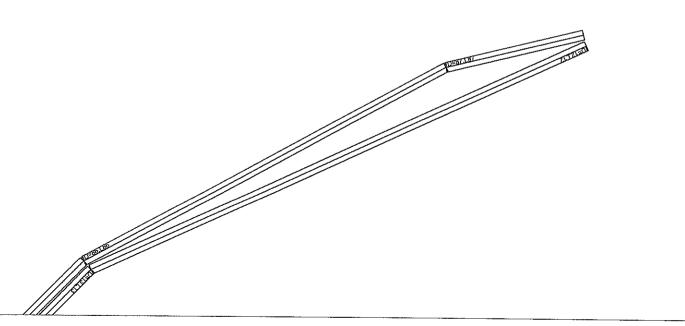


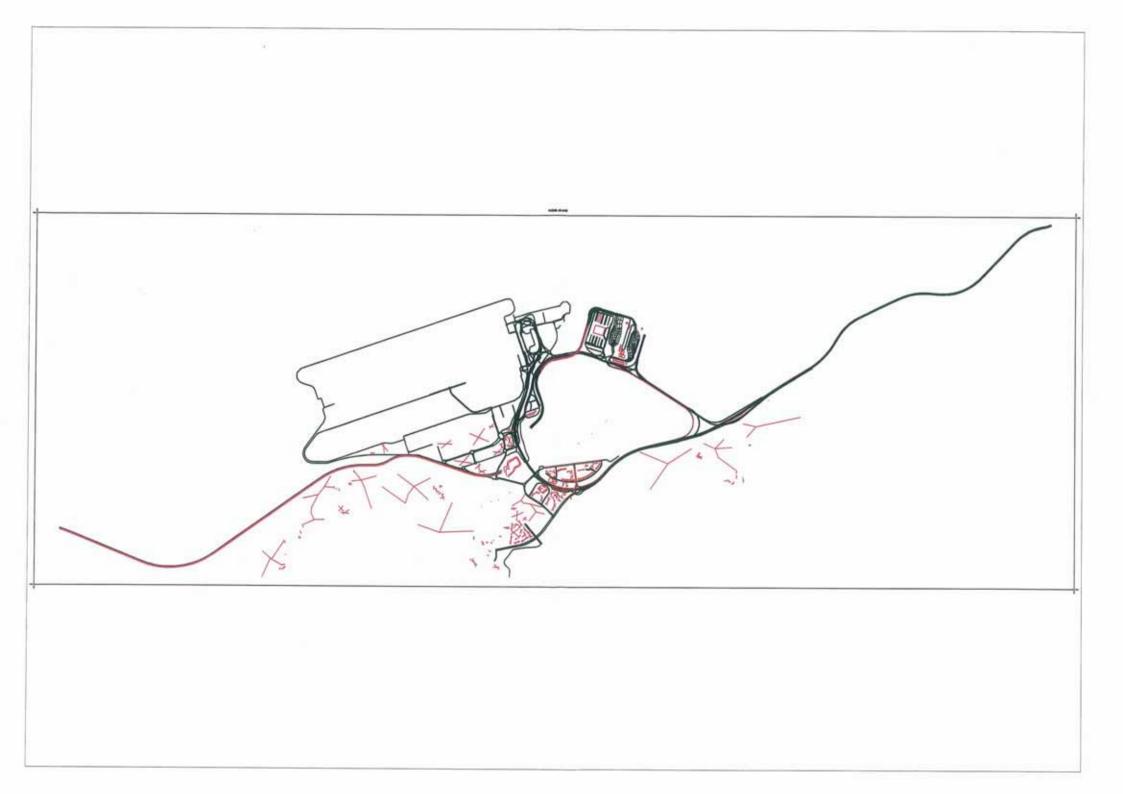












HKBCF / HKLR EtA Details of Vehicular Emission Rates 2031 22-Jul-09 24 hour Nox Emission and Tratile Pro Read Line
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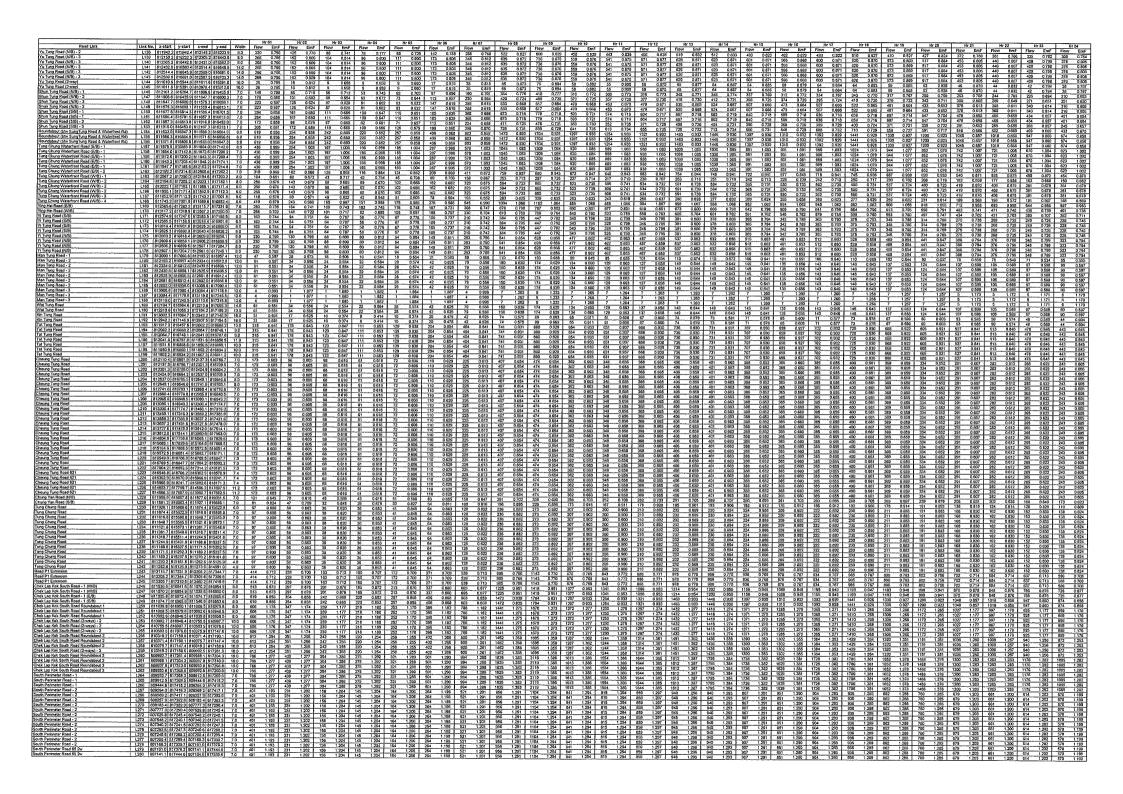
I Lantau Highway (To Kh),

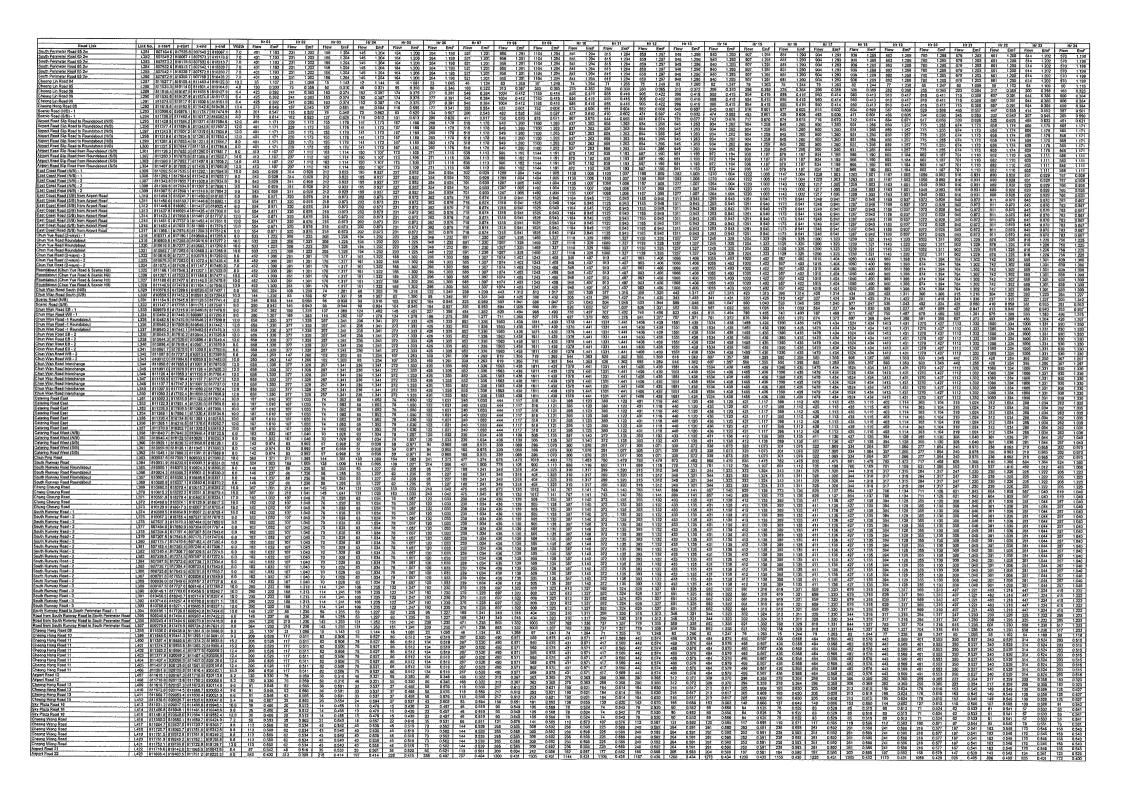
I Lantau Highway (To Kh),

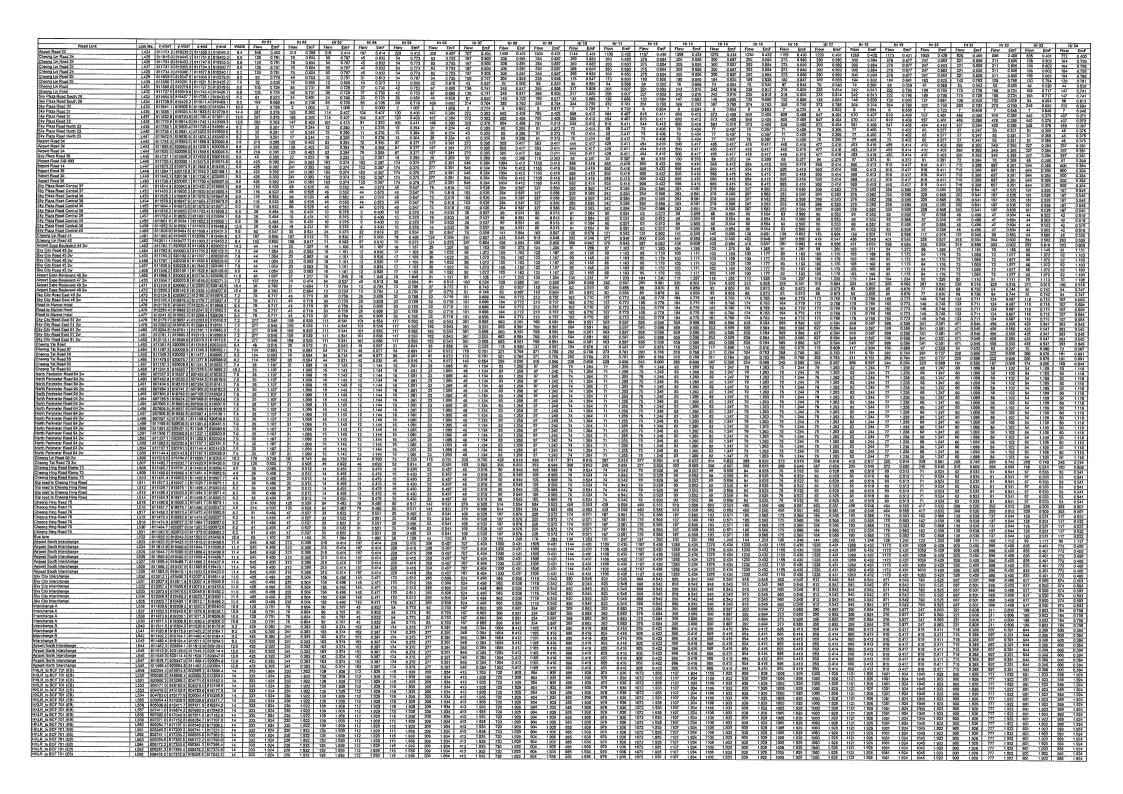
I Lantau Highway (To Kh),

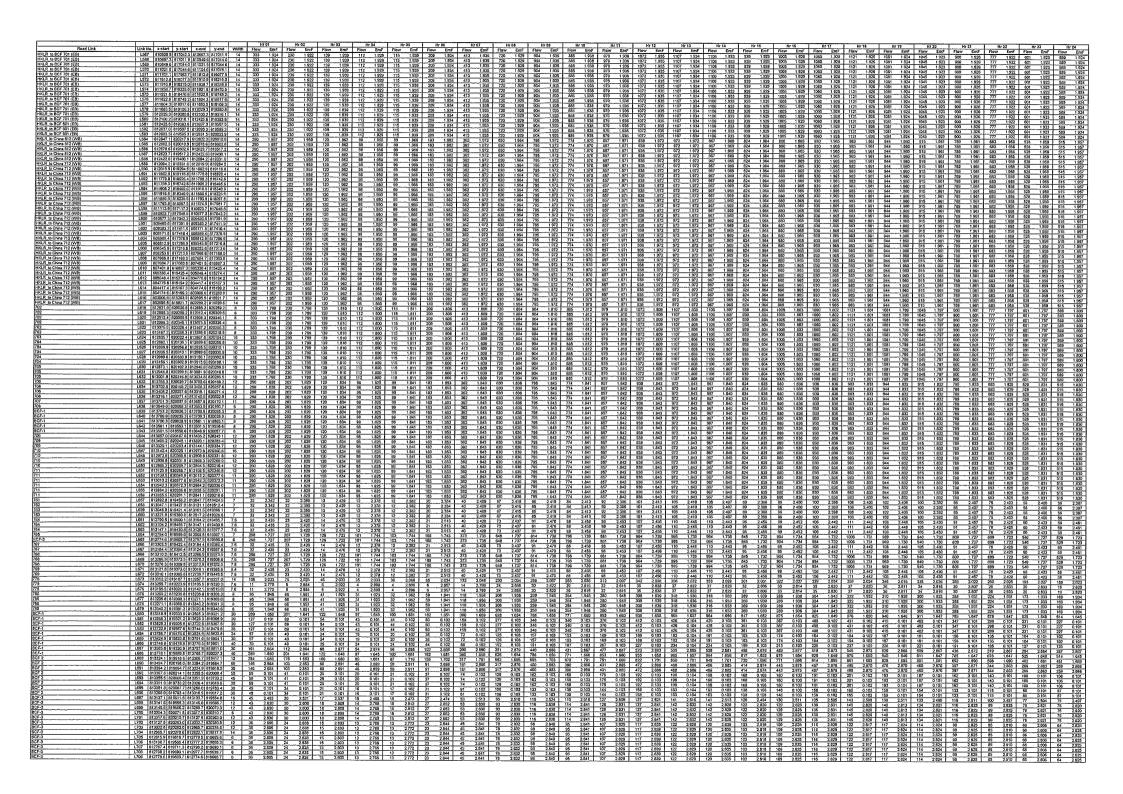
I Lantau Lindau Highway (To Kh),

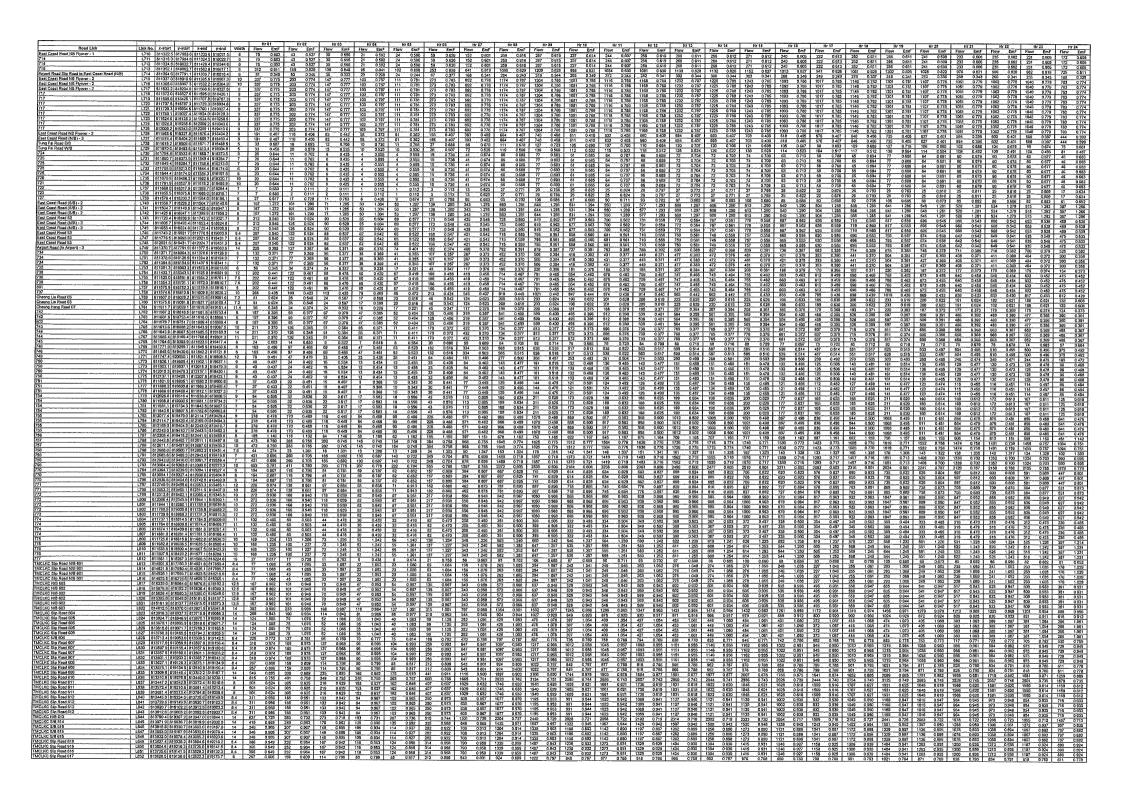
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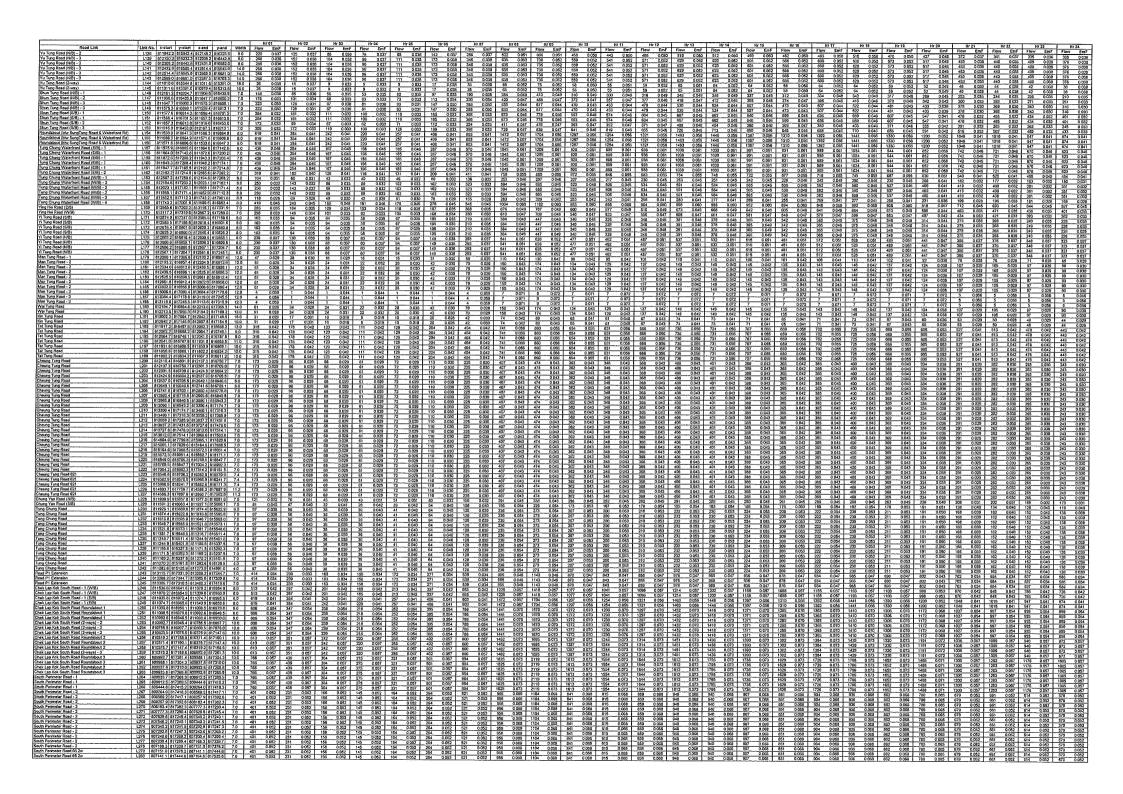


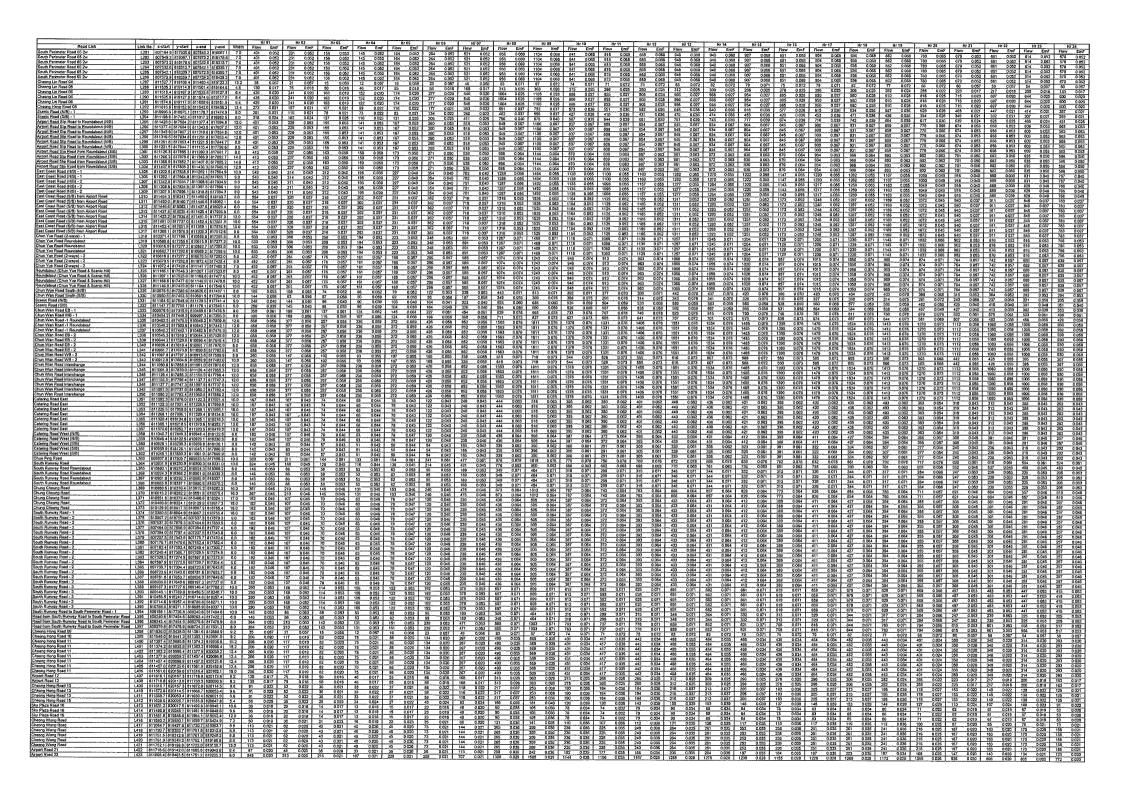


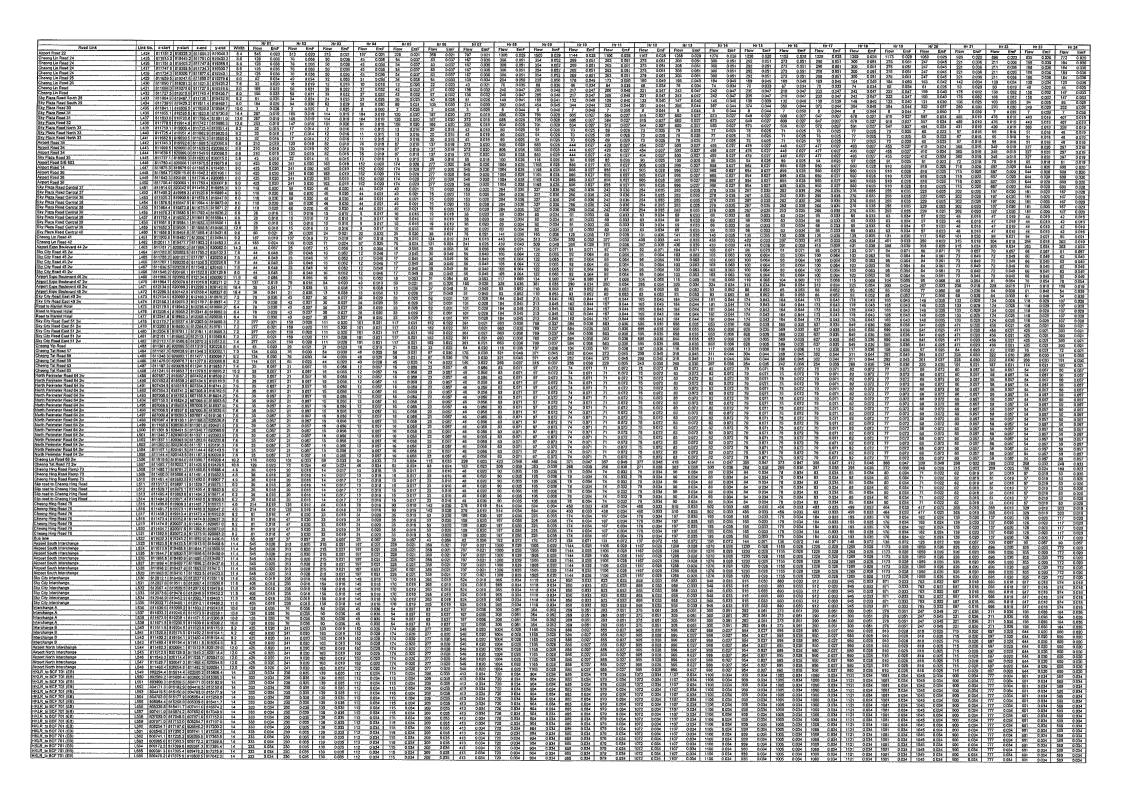


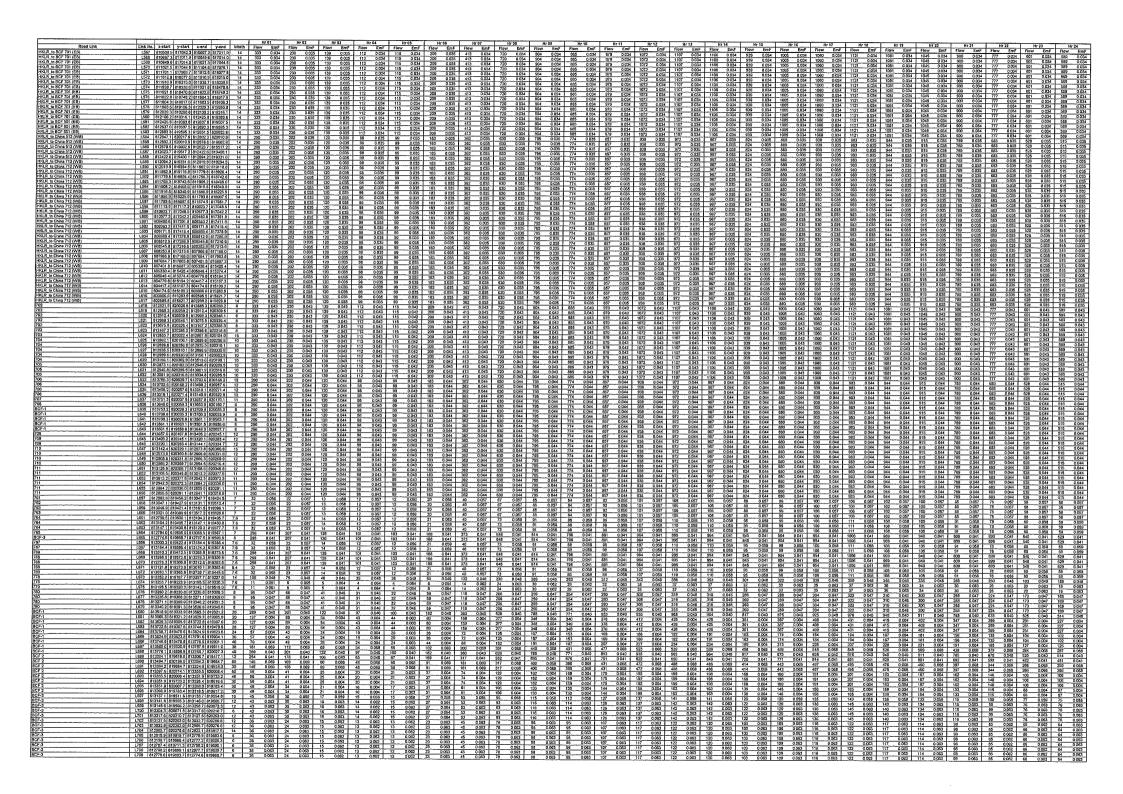
		Hr 01 Hr 0	2 Hr 03 Hr 04	Hz OS Hr OG Hz O7	Hr.05 Hr.09	He10 I Nest	3k-13   Uc-13   L		V-46 1 (1-47			
TMCLICC Sip Road 617 TMCLICC Sip Road 617 TMCLICC Sip Road 617 TMCLICC Sip Road 618 618 TMCLICC Sip Road 618 618 TMCLICC Sip Road 618 618 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619 TMCLICC Sip Road 518 619	Link No. x-start y-start x-end L853 813522.3 819175.7 813363 1 8	y-end Width Flow EmF Flow 819235.4 8 257 0.808 159	E         19 ± 63         19 ± 64         19 ± 70 ± 64         19 ± 70 ± 70 ± 70 ± 70 ± 70 ± 70 ± 70 ± 7	EmF Flow EmF Flow EmF 0.817 212 0.800 543 0.801	Flow EmF Flow EmF 924 0.809 1022 0.787	Flow EmF Flow EmF Flo 349 0.787 977 0.788 9	w EmF Flow EmF Flow	EmF Flow EmF F		F Flow EmF Flow EmF	Flow EmF Flow EmF	Flow EmF Flow EmF Flow EmF
TMCLKC S/B 618 TMCLKC Sip Road S/B 619 TMCLKC Sip Road S/B 619	L854   813988 1   818928 6   814918 0   8 L855   814918 0   818340 9   815027 6   8	818340.9 14 437 0.925 262 818225.5 12 96 0.848 59	0.936 180 0.935 133 0.918 142 0.830 40 0.857 28 0.782 31	0.817 212 0.809 543 0801 0.932 355 0.946 992 0.936 0.829 79 0.851 195 0.850 0.828 79 0.861 195 0.850	1517 0.937 1684 0.923 332 0.841 370 0.827		09 0.910 1592 0.911 1579 00 0.822 352 0.817 348	0.910 1603 0.912 1 0.819 354 0.614	1411 0.906 1311 0.91 310 0.815 287 0.81	8 901 0733 1021 0794 0 1479 0251 1676 0390 0 1479 0250 1676 0390 0 1250 0390 0255 0 1250 0390 0355 0 1250 0395 0 1250 0395	1431 0.916 1358 0.916 314 0.824 299 0.830	Flow   Emf   Flow   Emf   Flow   Emf
TMCLKC Sip Road S/B 619 TMCLKC Sip Road S/S 619	L857 815022.0 817912.5 814958.1 8 L858 814958.1 817836.4 814891.8 8	817836.4 12 96 0.848 59 817792.4 12 96 0.848 59	0.830 40 0.857 28 0.782 31 0.830 40 0.857 28 0.782 31 0.830 40 0.857 28 0.782 31	0.829 79 0.861 195 0.850 0.829 79 0.861 195 0.850 0.829 79 0.861 195 0.850 0.829 79 0.861 195 0.850	332 0.841 370 0.827 332 0.841 370 0.627	1792   0911   1842   0.912   33 307   0.827   316   0.821   33 307   0.827   316   0.921   33 308   0.821   336   0.921   33 309   0.827   316   0.921   33 309   0.827   316   0.921   33 309   0.827   316   0.921   33 309   0.928   0.938   1127   0.	0 0.822 352 0.817 348 0 0.822 352 0.817 348	0.819 354 0.814 0.819 354 0.814	310 0.615 287 0.81 310 0.615 287 0.61	4 323 0.830 369 0.825 4 323 0.830 389 0.825	314 0.824 299 0.830 314 0.824 299 0.830	303 0.831 295 0.807 221 0.813 303 0.831 295 0.807 221 0.813
TMCLKC Slip Road 5/8 519 TMCLKC Slip Road 5/8 519	L859 814891.8 817792.4 814826.2 8 L860 814826.2 817786.1 814757.6 8	817765.1 12 96 0.846 59 817745.9 12 96 0.848 59	0.630 40 0.857 28 0.782 31 0.630 40 0.857 28 0.782 31	0.829 79 0.861 195 0.850 0.829 79 0.861 195 0.850	332 0.841 370 0.827 332 0.841 370 0.827 332 0.841 370 0.827	307 0.827 316 0.821 33 307 0.827 316 0.821 33 307 0.827 336 0.821 33	0 0.822 352 0.817 348 0 0.822 352 0.817 348 0 0.822 352 0.817 348	0.819 354 0.814 0.819 354 0.814	310 0.615 287 0.61 310 0.615 287 0.61	4 323 0.830 369 0.825 4 323 0.830 369 0.825	314 0.524 239 0.830 314 0.624 259 0.830 314 0.624 259 0.830 314 0.624 299 0.830	303 0.831 295 0.807 221 0.813 303 0.831 295 0.807 221 0.813
TMCLKC Stip Road S/B 619 TMCLKC S/B 620 TMCLKC S/B 620	L861 814757 6 817745.9 814359.1 8 L862 814839 9 816372 6 815130.2 8	176506   12   50   104   19   11662   104   10   10   10   10   10   10   1	0.830 40 0.857 28 0.782 31 0.949 147 0.951 105 0.955 111	0 829 79 0 861 195 0 850 0 959 276 0 969 899 0 963	332 0.841 370 0.827 332 0.841 370 0.827 332 0.841 370 0.827 332 0.841 370 0.827 1161 0.951 1314 0.947 1161 0.951 1314 0.947 1161 0.951 1314 0.947 1161 0.951 1314 0.947 1161 0.951 1314 0.947 1161 0.951 1314 0.947 174 22.317 74 22.317 170 30.878 70 30.878 23 82.888 23 82.888	307 0.827 316 0.821 33 1086 0.939 1127 0.936 11	0 0.622 352 0.817 348 75 0.934 1240 0.937 1234	0.819 354 0.814 0.938 1251 0.936 1	310 0.615 287 0.81 100 0.932 1025 0.93	4 323 0.830 369 0.825 2 1154 0.845 1311 0.942	314 0.824 299 0.830 1119 0.942 1059 0.941	\$\frac{901}{302}\$ 0.831 \\ \frac{296}{296}\$ 0.597 \\ \frac{221}{221}\$ 0.813 \\ \frac{296}{296}\$ 0.526 \\ \frac{7}{202}\$ 787 \\ \frac{925}{202}\$ 0.813 \\ \frac{296}{296}\$ 0.526 \\ \frac{7}{202}\$ 787 \\ \frac{926}{296}\$ 0.526 \\ \frac{7}{202}\$ 0.52
TMCLKC S/B 620 TMCLKC S/B 620	L864 815292.0 818107.7 815490.4 8	518116.2 10.6 341 0.949 204 518116.2 10.6 341 0.949 204	0,930 40 0,657 28 0,792 31 0,949 147 0,951 100 0,955 111 0,949 147 0,951 105 0,955 111 0,949 147 0,951 105 0,955 111 0,949 147 0,951 105 0,955 111 0,949 147 0,951 105 0,955 111 20,317 74 23,317 74 23,317 74 23,317 74 23,317 70 30,976 70 30,976 70	0.959 276 0.969 899 0.963 0.959 276 0.969 699 0.963	1181 0.961 1314 0.947 1181 0.961 1314 0.947	1086 0.939 1127 0.936 11 1085 0.939 1127 0.936 11	75 0.934 1240 0.937 1234 75 0.934 1240 0.937 1234	0.938 1251 0.936 1 0.938 1251 0.936 1	100 0.932 1025 0.93 100 0.932 1025 0.93	2 1154 0.945 1311 0.942 2 1154 0.945 1311 0.942	1119 0.942 1059 0.941 1119 0.942 1059 0.941	1071 0.945 1050 0.928 787 0.928 1071 0.945 1050 0.928 787 0.928
Buses/ Couches Unloading Bay (InBound) Suses/ Coaches Unloading Bay (InBound) Buses/ Coaches Loading Bay (OutBound)	L866 812957 4 820111.7 812991.1 8 L867 813024.2 820208.6 812992.4 8	120225.6 10.6 74 29.317 74 120100.8 10.6 70 30.976 70	29.317 74 29.317 74 29.317 74 30.976 70 30.976 70 30.978 70	29 317 74 29.317 74 29.317 30.976 70 30.976 70 30.976	74 29.317 74 29.317 70 30.978 70 30.978	1086 0.939 1127 0.936 11 74 29.317 74 29.317 7 70 30.978 70 30.976 7	75 0934 1240 0.937 1234 4 29.317 74 29.317 74 0 30.976 70 20.976 70	0.938 1251 0.836 1 29.317 74 29.317	100 0.932 1025 0.93 74 29.317 74 29.31	2 1154 0.945 1311 0.942 7 74 29.317 74 29.317	1119 0.942 1059 0.941 74 29.317 74 29.317	1071 0.945 1050 0.928 787 0.928 74 29.317 74 29.317 74 29.317
Buses/ Coaches Loading Bay (OutBound) Buses/ Coaches Loading Bay (OutBound)	L869 813153.0 820219.1 813101 1 8	320225.0 10.6 23 82.088 23 320044.6 10.6 25 76.550 25	82.088 23 82.088 23 82.088 23 76.550 26 76.550 25 76.550 25		70 30.978 70 30.976 23 82.089 23 82.088 25 76.550 25 76.550	Z3 82,088 23 82,088 2 25 76,550 25 76,550 2	3 82.088 23 82.088 23 5 76.550 25 76.550 25	82.089 23 82.088 76.550 25 76.550	23 82.088 23 82.06 25 76.550 25 76.55	6 70 30.975 70 30.976 8 23 82.083 23 52.088 0 25 76.550 25 76.550	23 82.088 23 82.088 25 76.550 25 76.550	19   19   19   19   19   19   19   19
Buses Coaches Loading Bay (OutBound) Busest Coaches Loading Bay (OutBound) Busest Coaches Loading Bay (OutBound) Busest Coaches Loading Bay (OutBound) Busest Coaches Loading Bay (OutBound) Busest Coaches Loading Bay (InBo	L871 813221.4 820199.2 813169.4 8 L872 813286.6 820197.3 813204.6 8	320211.4 10.6 25 76.401 25 320024.5 10.6 25 76.402 25 3200224.4 10.6 26 76.261 36	76.401 25 76.401 25 76.401 25 76.402 25 76.402 25 76.402 25	62,000 23 02,000 23 62,000 23 62,000 25 76,500 25 76,500 25 76,500 25 76,500 25 76,500 25 76,401 25 76,401 25 76,401 25 76,401 25 76,401 25 76,401 25 76,401 25 76,401 25 76,402	25 76.401 25 76.401 25 76.402 25 76.402	25 76.401 25 78.401 2 25 76.402 25 76.402 2	5 76.401 25 76.401 25 5 76.402 25 76.402 25	76.401 25 76.401 76.402 25 76.402	25 76.401 25 76.40 25 76.402 25 76.40	0 25 76.550 25 76.550 11 25 75.401 25 76.401 12 25 76.402 25 76.402	25 76.401 25 76.401 25 76.402 25 76.402	25 76.401 25 76.401 25 76.401 25 76.402 25 76.402 25 76.402
Buses/ Coaches Loading Bay (InBound) Buses/ Coaches Loading Bay (InBound)	L873 812889 7 819894.6 B12912.3 8 L874 812939.1 818831.7 812895.6 B	315639 1 10.6 24 92.493 24 1 319688 6 10.6 24 93.170 24	92.493 24 92.493 24 92.493 24 93.170 24 93.170 24 93.170 24	92.493 24 92.493 24 92.493 93.170 24 93.170 24 93.170	25 76.361 25 76.361 24 92.493 24 92.493 24 93.170 24 93.170	25 79.361 25 76.361 2 24 92.493 24 92.493 2 24 93.170 24 92.170 3	5 76.361 25 76.361 25 4 92.493 24 92.493 24	76.361 25 76.361 92.493 24 92.493	25 76.402 25 76.40 25 76.361 25 76.35 24 92.493 24 92.49	1 25 76.361 25 76.361 1 25 76.361 25 76.361 16 24 92.493 24 92.493 10 24 93.170 24 93.170	25 76.361 25 76.361 24 92.493 24 92.493	25 76.361 25 76.361 25 76.361 24 92.493 24 92.493 24 92.493
Buses/ Coaches Leading Bay (inBound) Buses/ Coaches Leading Bay (inBound)	L875 812930.3 819676.7 812973.0 8 L876 812956.2 819670.7 812999.7 8	819821.1 10.6 24 92.493 24 1 119813.8 10.6 24 93.170 24 1	92.493 24 92.493 24 92.493 24 93.170 24 93.170 24 93.170 24	92.493 24 92.493 24 92.493 93.170 24 93.170 24 93.170	24 92.493 24 92.493 24 93.170 24 93.170	24 92.493 24 92.493 24 24 93.170 24 93.170 27	93.170 24 93.170 24 92.493 24 92.493 24 93.170 24 93.170 24	93.170 24 93.170 92.493 24 92.493 93.170 24 93.170	24 92.493 24 92.49	0 24 93.170 24 93.170 3 24 92.493 24 92.493 0 24 93.170 24 93.170	24 93.170 24 93.170 24 92.493 24 92.493 24 92.170 24 92.170	24 93 170 24 93 170 24 93 170 24 92 493 24 92 493 24 92 493
tisses Coppies Coaling Bay (InBound) Bused Coaches Loading Bay (Codificand) Bused Coaches Lindoding Bay (Codificand)	L878 813020.3 819658.8 813033.6 8 L878 813020.3 819650.1 813062.9 8	119803.2 10.6 24 92.493 24 119794.6 10.6 24 92.493 24 11994.6 10.6 24 92.493 24 11994.6 10.6 23 20.600 22	92.493 24 92.493 24 92.493 24 92.493 24 92.493 24 92.493 24	92 493 24 92 493 24 92 493	24 92.493 24 92.493	24 92.493 24 92.493 24 24 92.493 24 92.493 24	92.493 24 92.493 24 92.493 24 92.493 24	92.493 24 92.493 92.493 24 92.493	24 92.493 24 92.48 24 92.493 24 92.49 63 29.580 63 29.58	3 24 92.493 24 92.493 0 24 93.170 24 93.170 3 24 92.493 24 92.493 3 24 92.493 24 92.493 3 24 92.483 24 92.493	24 92.493 24 92.493 24 92.493 24 92.493	24 92.493 24 92.493 24 92.493 24 92.493 24 92.493 24 92.493
Bustes/ Coaches Unloading Bay (CutBound) Cars-Rosks (inBound) Cars-Rosks (inBound)	L680 813109.5 819643.7 813141.4 81 L681 813236.0 819697.3 813238.7 81	119751.5 10.6 59 30.976 59 3 119751.1 3 13 82.220 13	29.580 63 29.580 63 29.580 63 30.976 59 30.976 59 30.976 59 82.220 13 82.220 13 82.220 13	29,580 63 29,580 63 29,580 30,976 58 30,976 59 30,976 82,220 12 92,220 13 82,220	53 29.580 63 29.580 59 30.976 59 30.976	63 29.590 63 29.590 65 59 30.976 59 30.976 56	3 29.580 63 29.580 63 9 30.976 59 30.976 59	30.976 59 30.976	50 30.976 50 30.97	0 63 29.580 83 29.580 6 59 30.978 59 30.976	63 29.580 63 29.580 59 30.976 59 30.976	63 29.580 63 29.580 53 29.580 59 30.976 59 30.976 59 30.976
Cars-Kiosks (inBound) Cars-Kiosks (inBound) Cars-Kiosks (inBound)	L882 813243.6 819698.1 813244.4 8 L883 813249.3 819698.4 813250.1 8	19685.4 3 13 79.556 13 1 19685.8 3 13 79.556 13	79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13	79.556 13 79.556 13 79.556 79.556 13 79.556 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556	13 79.556 13 79.556 12 13 79.556 13 79.556 12	3 79.556 13 79.556 13 79.556 13 79.556 13	82,220 13 82,220 79,556 13 79,558 79,556 13 79,556 79,556 13 79,556 79,556 13 79,556 79,556 13 79,556	13 79.556 13 79.55 13 79.556 13 79.55	0 63 29.500 83 29.500 6 59 30.978 59 30.978 0 13 82.220 13 82.220 6 13 79.556 13 79.556 6 13 79.556 13 79.556 6 13 79.556 13 79.556	13 82.220 13 82.220 13 79.556 13 79.556 13 79.556 13 79.660	13 82.220 13 82.220 13 82.220 13 79.556 13 79.556 13 79.556
Cars-Riosks (inBound) Cars-Riosks (inBound) Cars-Riosks (inBound) Cars-Riosks (inBound)	L884   813255.0   819698.8   813255.8   81 L885   813260.7   819699.1   813261.5   81	19686.1 3 13 79.556 13 19686.5 3 13 79.556 13 1	79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13	79.556 13 79.556 13 79.556 79.556 13 79.556 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.558	13 79.556 13 79.556 13 13 79.556 13 79.558 13 13 79.556 13 79.556 13	1 79.556 13 79.556 13 79.556 13 79.556 13	79.556 13 79.556 79.556 13 79.566	13 79.556 13 79.55 13 79.556 13 79.55	6 13 79.556 13 79.556 6 13 79.556 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556
Cars-Kissks (inBound) Cars-Kissks (inBound) Cars-Kissks (inBound)	L887 813272.1 819699.6 813272.9 81 L888 813277.8 819709.2 813278.5 81	19687.2 3 13 79.562 13 1 19687.5 3 13 79.562 13 1	79.506 13 79.506 13 79.506 13 79.502 13 79.502 13 79.502 13 79.556 13 79.558 13 79.556 13	79.596 13 79.596 13 79.596 79.562 13 79.562 13 79.562 79.556 13 79.556 12 20.666	13 78.562 13 79.562	13 79.556 13 79.556 13 13 79.562 13 79.562 13	79.556 13 79.556 13 79.562 13 79.562 13	79,556 13 79,556 79,562 13 79,562	13 79.556 13 79.55 13 79.562 13 79.56	6 13 79.556 13 79.556 2 13 79.562 13 79.562	13 79.556 13 79.556 13 79.562 13 79.562	13 79.556 13 79.556 13 79.556 13 79.562 13 78.562 13 79.562 13 79.556 13 79.566 13 79.556
Cars-Klesks (InBound) Cars-Klesks (InBound)	L889 813283.5 619700.5 613284.2 81 L890 813289.1 619700.9 613289.9 81	19687 9 3 13 79 556 13 7 19688 2 3 13 79 555 13 7	70.556 13 79.556 13 79.556 13 79.555 13 79.555 13 79.555 13 79.555 13 79.556 13 79.555 13 79.562 13 79.562 13 79.562 13	79.556 13 79.556 13 79.556 79.556 13 79.556 13 79.555 79.555 13 79.555 13 79.555	13 79.556 13 79.556 13 79.555 13 79.555	13 79.556 13 79.556 13 13 79.555 13 79.555 13	79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.555	79.562 13 79.562 79.556 13 79.556 79.556 13 79.556 79.555 13 79.555 79.556 13 79.555	13 79.556 13 79.55 13 79.556 13 79.55 13 79.555 13 79.55	6 13 79.556 13 79.556 6 13 79.556 13 79.556 5 13 79.555 13 79.856	13 79.556 13 79.556 13 79.555 13 79.556 13 79.566 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556
Care-Kootes (Inflound) Care-Kootes (Inflound) Care-Kootes (Inflound) Care-Kootes (Inflound) Care-Kootes (Inflound) Care-Kootes (Inflound) Care-Kootes (Inflound)	L891   813294.8   819701.2   813295.6   81 L892   813300.5   819701.6   813301.3   81 L893   813306.2   819701.0   813307.0   81	19688 6 3 13 79.556 13 7 19688 9 3 13 70.562 13 7	9,556 13 79.556 13 79.556 13 9,562 13 79.562 13 79.562 13	79.556 13 79.556 13 79.556 70.563 13 70.663 13 70.663	13 79.556 13 79.556	13 79.556 13 79.556 13 13 79.562 13 79.562 13	79.556 13 79.556 13 79.562 13 79.562 13		13 79.556 13 79.55 13 79.562 13 79.56	6 13 79.556 13 79.556 2 13 79.562 13 79.562	13 79.556 13 79.556 13 79.562 13 79.562	13 79 556 13 79 556 13 79 556 13 79 555 13 79 555 13 79 555 13 79 556 13 79 555 13 79 562 13 79 556 13 79 555 13 79 562 13 79 562 13 79 552 13 79 556 13 79 556 13 79 555
Cars-Kiesks (InBound) Cars-Kiesks (InBound)	L894 813311.9 819702.3 813312.7 81 L895 813317.6 819702.6 813318.4 81	19689.6 3 13 79.556 13 7 19600.0 3 13 79.556 13 7	79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13	79.556 13 79.556 13 79.556 79.556 13 79.556 13 79.556 79.556 13 79.556 13 79.556 79.555 13 79.556 13 79.555 79.555 13 79.555 13 79.555	13 79.556 13 79.556 13 79.556 13 79.556	13 79.556 13 79.556 13 13 79.556 13 79.556 13	79.556 13 79.556 13 79.556 13 79.556 13	79.556 13 79.556 79.556 13 79.556	13 79.556 13 79.55 13 79.556 13 79.55 13 79.556 13 79.55	6 13 79.556 13 79.556 6 13 79.556 13 79.558	13 79.556 13 79.556 13 79.556 13 79.556	13 79.556 13 79.556 13 79.556 13 79.556 13 79.556 13 79.566
	L892 613306 2 819701. 8 13307. 3 91 L893 613306 2 819701. 8 13307. 3 91 L894 613311 8 610702. 3 133312.7 81 L895 813317. 8 819702. 6 813318.4 81 L896 813327. 3 819870. 3 613317. 8 91 L897 81326. 8 19986. 7 81332. 8	19858.1 3 13 79.555 13 7 19856.5 3 13 79.555 13 7	9.556 13 79.556 13 79.555 13 9.555 13 79.555 13 79.555 13 79.555 13 79.555 13 79.555 13 9.561 13 79.561 13 79.561 13	79 555 13 79 555 13 79 555 79 555 13 79 555 13 78 555 78 561 13 79 561 13 78 561 78 561 13 79 561 13 79 561	13 79.565 13 79.555 13 79.555 13 79.555	13 79.565 13 79.565 13 13 79.555 13 79.565 13	79.555 13 79.555 13 79.555 13 79.555 13	79 555 13 79 555 79 555 13 79 555	13 79.555 13 79.55 13 79.555 13 79.55 13 79.555 13 79.55	5 13 79.555 13 79.555 5 13 79.555 13 79.555 6 13 79.555 13 79.555	13 79.556 13 79.556 13 70.555 13 79.555 13 70.555 13 70.555	13 79.556 13 79.556 13 79.556 13 79.555 13 79.555 13 79.555 13 79.555 13 79.555
Cars-Kosks (InBound) Cars-Kosks (InBound) Cars-Kosks (InBound)	L898 813332.3 819867.0 813328.7 81 L899 813337.7 819865.4 813334.1 81	19854.9 3 13 79.561 13 7 19853.3 3 13 79.557 13 7 19851.7 3 13 76.666 13 7	9.561 13 79.561 13 79.561 13 9.557 13 79.557 13 79.557 13	78.561 13 79.561 12 79.561 79.557 13 79.557 13 79.557	13 79.561 13 79.561 13 79.557 13 79.557	13 79.561 13 79.561 13 13 79.557 13 79.557 13 13 79.555 13 79.555 13	79.561 13 79.561 13 79.557 13 79.557 13	79 561 13 79 561 79 557 13 79 557	13 79.561 13 79.56 13 79.557 13 79.55	1 13 79.561 13 79.561 7 13 79.657 13 79.557 5 13 79.555 13 79.555	13 79.561 13 79.561 13 79.557 13 79.557	13 79.561 13 79.561 13 79.561 13 79.557 13 79.557 13 79.557
Cars-Kiosks (inBound) Cars-Kiosks (inBound) Cars-Kiosks (inBound)	L901 813346.7 819862.2 813345.1 81 L902 813354.1 619880.6 812350.5 81	15850.0 3 13 79.557 13 7 19848.4 3 13 79.555 13 7	9.557 13 79.555 13 79.555 13 9.557 13 79.557 13 79.557 13 9.555 13 79.555 13 79.555 13	79.557 13 79.567 13 79.567 79.555 13 79.555 13 79.545 79.557 13 79.557 13 79.557 79.555 13 79.557 13 79.557 79.555 13 79.555 13 79.555	13 79 555 13 79 555 13 79 567 13 79 557	13 79,555 13 79,555 13 13 79,557 13 75,557 13 13 79,555 13 76,555 13	79.555 13 79.555 13 79.557 13 79.557 13	79.555 13 79.556 79.557 13 79.557	13 79.555 13 79.55 13 79.557 13 79.55	5 13 79.556 13 79.5567 6 13 79.556 13 79.5567 6 13 79.556 13 79.5567 6 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.556 13 79.5567 7 13 79.557 13 79.5567 7 13 7 13 7 13 7 13 7 13 7 13 7 13 7 13	13 79.555 13 79.565 13 79.557 13 79.557	13 79.555 13 79.555 13 79.555 13 79.557 13 79.557 13 79.557
Cars-Klosks (inBound) Cars-Klosks (inBound)	L903 813359.6 619859.0 813356.0 81 L904 813365.1 819857.4 813361.5 81	19846.9 3 13 79.557 13 7 19845.2 3 13 79.555 13 7	9.557 13 79.557 13 79.557 13 9.555 13 79.555 13 79.555 13	79.557 13 79.557 13 79.557 79.555 13 79.555 13 79.555	13 79.557 13 79.557 13 79.555 13 79.555 13 79.563 13 79.563	13 79.557 13 79.657 13 13 79.555 13 79.556 13	79.557 13 79.557 13 79.555 13 79.555 13	78 555 13 78 556 79 556 13 78 556 79 556 13 78 556 79 556 13 78 556 79 556 13 78 556 79 556 13 79 557 79 557 13 79 557 79 557 13 79 557 79 557 13 79 557 79 557 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 555 13 79 557 79 557 13 79 557 79 557 13 79 557	13 79.555 13 79.55 13 79.555 13 79.55	5 13 79.557 13 79.557 5 13 79.555 13 79.557 5 13 79.555 13 79.555 3 13 79.563 13 79.563 5 13 79.555 13 79.555	13 79.555 13 79.555 13 79.555 13 79.555	13 79.566 12 79.568 13 77.556 13 77.556 13 79.561 13 79.
Cars-Kesks (inBound) Cars-Kesks (inBound) Cars-Kesks (inBound) Cars-Kesks (inBound)	L905   513370.5   819855.7   813398.9   81 L906   513376.0   819854.1   813372.4   81 L907     813381.5   819852.5   813377.9   81	19843.6 3 13 79.563 13 7 19842.0 3 13 79.556 13 7 19840.4 3 13 79.857 13 7	9.563 13 79.563 13 79.563 13 9.555 13 79.555 13 79.555 13	79.563 13 79.563 13 76.563 79.555 13 79.555 13 79.555 79.567 13 79.557 13 79.557	13 79.563 13 79.563 13 79.555 13 79.555	13 79.563 13 79.563 13 13 79.555 13 79.565 13	79,555 13 79,555 13 79,563 13 79,563 13 79,555 13 79,555 13	79.555 13 79.555 1	2 70 555 12 70 55	3 13 79.563 13 79.563 5 13 79.555 13 79.555	13 79.563 13 79.563 13 79.555 13 79.555	13 79.563 13 79.563 13 79.563 13 78.555 13 79.555 13 79.555
Cars-Kosks (inBound) Cars-Kosks (inBound) Cars-Kosks (inBound)	L908 813388 9 819850 9 613383 3 81 L909 813392 4 816849 3 613388 8 81	19838.7 3 13 79.555 13 7 19837.1 3 13 79.557 13 7	9 555 13 79 555 13 79 555 13 9 557 13 79 557 13 79 557 13	79.555 13 79.555 13 79.555 79.557 13 79.557 13 79.557	13 79.555 13 79.555 13 79.557 13 79.557	13 79.557 13 79.557 13 13 79.555 13 78.555 13 13 79.557 13 79.557 13	79.555 13 79.555 13 79.557 13 79.557 13 78.555 13 79.555 13 78.557 13 78.557 13	79.557 13 79.557 79.555 13 79.555 79.557 13 79.557	3 79.557 13 79.55 13 79.555 13 79.55 13 79.557 13 79.55	7 13 79.557 13 79.557 5 13 79.555 13 79.555 7 13 79.557 13 79.557	13 79.557 13 79.557 13 79.555 13 79.555 13 79.567 13 79.667	13 79.557 13 79.557 13 79.557 13 79.555 13 79.555 13 79.555
Cars-Kosko (InBound) Cars-Kosko (InBound) Cars-Kosko (InBound)	L910 813397.9 819847.7 813384.3 81: L911 813403.3 819846.0 813399.7 81:	9835.5 3 13 79.555 13 7 9833.9 3 13 79.561 13 7	9.585 13 79.555 13 79.555 13 9.561 13 79.561 13 79.561 13	79.555 13 79.555 13 79.555 79.561 13 79.561 13 79.561	13 79.565 13 79.565 13 79.661 13 79.561	13 79.555 13 79.555 13 13 79.561 13 79.561 13	79.555 13 79.555 13 79.561 13 79.561 13	79.555 13 79.555 1 79.561 13 79.561 1 79.561 13 79.561 1	79.557 13 79.557 13 79.555 13 79.555 13 79.561 13 79.565 13 79.561 13 79.565 13 79.565 13 79.565 13 79.565 13 79.565	5 13 79.555 13 79.565 1 13 79.561 13 79.561	13 79.565 13 79.565 13 79.561 13 79.561	13 79.555 13 79.555 13 79.555 13 79.555 13 79.561 13 79.561
Cars-Kiosks (inBound) Goods Vehicles/ Container Trucks-Kiosks (InBound)	L913 813414.3 819842.6 813410.7 81 L914 813377.4 819677.7 813373.2 81	9830.7 3 13 79.555 13 7.9663.6 38 68 88,111 68 8	1,000   1,00	79.561 13 79.561 13 79.561 79.555 13 79.555 13 79.555 88.111 88 88.111 58 88.111	13 79.561 13 79.561 13 79.555 13 79.555 68 88.111 68 69.111	13 79.561 13 79.561 13 13 79.555 13 79.555 13	79.561 13 79.561 13 79.555 13 79.555 13	79.561 13 79.561 1 79.555 13 79.555 1	3 79.555 13 79.555 3 79.555 13 79.555	13 79.561 13 79.561 5 13 79.555 13 79.555	13 79.551 13 79.561 13 79.555 13 79.555	12 79 555 13 79
Goods Vehicles/ Container Trucks-Klosks (InBound) Goods Vehicles/ Container Trucks-Klosks (InBound)	L915   813383.3   819676.0   813379.1   811 L916   813389.2   819674.2   813385.0   811 L917   813395.4   819672.4   813391.2   811	9661.9 3.8 68 88.104 68 8 9690.1 3.8 68 88.104 68 8	8.104 68 88.104 88 88.104 68 8.104 68 88.104 68 88.104 68	88.104 68 65.104 68 88.104 58.104 68 88.104 68 63.104	58 58.104 68 58.104 68 58.104 58 56.104	58 88.104 68 88.104 68 68 68 68.104 68 88.104 68	88.104 68 88.104 68 88.104 68 88.104 68 88.105 68 88.105 58	88.104 58 88.104 6 88.104 68 88.104 6	8 88.104 68 88.104 8 88.104 68 88.104	68 88.104 68 88.104 58 88.104 68 88.104	68 88.104 68 88.104 68 88.104 68 88.104	68 88.104 08 88.104 68 88.111 68 68.104 08 88.104 68 88.104 68 68.104 68 88.104 68 88.104
Goods Vehicles/ Container Trucks-Kosks (inBound) Goods Vehicles/ Container Trucks-Kosks (inBound)	U317   013399.4   01997.2 4   013391.7 5   011391.7	9656.5 3.8 58 88.105 68 8 9656.5 3.8 58 88.105 68 8	8.105 68 88.105 68 88.105 68 8.105 68 88.105 68 88.105 68	88.105 68 88.105 68 88.105 88.105 68 88.105 68 88.105	68 88.105 68 88.105 68 88.105 68 88.105	58 88.105 68 88.105 68 68 68.105 68 88.105 68	88,105 68 88,105 68 88,105 68 88,105 68	88.105 68 88.105 6 88.105 68 88.105 6	8 88.105 58 88.105 8 88.105 58 88.105	5 68 88.105 68 88.105 5 68 88.105 68 88.105	68 88.105 68 88.105 68 88.105 68 88.105	58 58.105 58 58.105 68 88.105 58 58.105 58 58.105 68 68.105
Goods Vehicles/ Container Trucks-Kosks (InBound) Goods Vehicles/ Container Trucks-Kiesks (InBound)	L920 813414.1 819665.9 813409.9 811 L921 813419.7 819665.2 813415.5 811	9652.8 3.8 68 88.105 68 8 9651.1 3.8 68 85.104 88 8	8.105 68 68.105 68 88.105 88 8.104 68 88.104 68 88.104 68	88.105 68 88.105 66 88.105 88.104 68 88.104 68 88.104	68 88.105 68 88.105 68 88.104 68 88.104	00 05.104 to 62.104 68 68 88.105 68 83.105 68 60 88.104 68 68.104 68	88.104 68 88.105 68 88.105 68 88.105 68 88.104 68 88.104 68	88.104 68 88.104 6 88.105 68 88.105 6	8 88 104 88 88 105 8 88 105 88 88 105 8 88 104 88 88 10	68 88.104 68 88.104 6 68 88.105 68 88.105	68 68.104 68 88.104 68 68.105 68 88.105	08 83 105 65 83 105 68 63 105 68 83 105 65 83 105 63 65,105 65 83 104 69 83,104 63 83 104 68 83 105 65 83 105 68 84,05 68 83 104 68 83,104 68 83,104
Goods Vehicles/ Container Trucks-Rosks (OutBound Goods Vehicles/ Container Trucks-Rosks (OutBound Goods Vehicles/ Container Trucks-Rosks (OutBound	) L922 813682.1 819852.2 813886.3 819 ) L923 813687.7 819850.6 813691.8 819 ) 1924 813693.9 819848.7 813898.1 819	9888.3 3.1 62 82.102 62 85 5864.6 3.1 62 82.068 62 85 6863.8 3.1 62 82.067 63	2.102	82.102 62 82.102 62 82.102 52.098 62 82.008 62 82.008	62 82.102 62 62.102 62 82.098 62 82.098		89.104 58 68.104 68 62.102 62 82.102 62 82.096 62 62.096 62	88 104 68 58 104 6 82 102 52 82 102 6 82 098 62 82 098 6	2 82 102 62 82 102 2 82.098 62 82.098	2 62 82.102 62 82.102 6 62 82.006 62 82.098	02 02 102 02 02 102	02 62 102 62 62 102 62 102
				82.098 52 82.098 52 52.098 82.098 52 82.098 52 82.098	62 82.098 62 82.098 62 82.098 62 82.098	52 82.097 62 82.097 62 52 82.098 62 82.098 62 57 82.098 62 82.098 62	82,096 62 82,098 62 82,097 62 82,097 62 62,096 62 82,098 62 82,098 62 82,098 62 82,098 62 82,098 62 82,098 62 82,098 62 82,098 62 82,098 62	62.097 52 82.097 6 82.098 62 82.098 6	2 82.097 62 82.097 2 82.098 62 82.098	62 82.097 62 82.097 6 52 82.098 62 82.098 6 52 82.098 62 82.098	62 82.097 62 82.097 62 82.098 62 82.098	62 82,093 07 82,006 02 82,007 02 82,
Goods Vehicles/ Container Trucks-Kiesks (OutBound Goods Vehicles/ Container Trucks-Kiesks (OutBound Goods Vehicles/ Container Trucks-Kiesks (OutBound	L926 813716.4 819845.0 813710.5 819 L927 813712.6 819843.2 813716.8 819 L928 813718.2 819841.6 813722.3 819	9857.3 3.1 62 82.098 62 83 9855.6 3.1 62 82.098 62 83	2.098 62 82.098 62 82.098 62 2.098 62 82.088 62 82.098 62	82.096 62 82.098 62 82.098 82.096 62 82.098 62 82.096	52 82.098 52 82.098 62 82.098 62 82.098	62 82 098 62 82 098 62 62 82 098 62 82 098 62	82.098 62 82.098 62 82.098 62 82.058 62	52.008 62 82.098 6 82.008 62 82.099 6 82.008 62 82.098 6	2 82.096 62 82.098 2 82.098 62 62.008	52 82.098 52 82.098 52 82.098 52 82.098 52 82.098 52 82.098 52 82.098 52 82.098	62 82.098 62 82.098 52 82.098 62 82.098	62 82,000 62 82,000 62 82,000 62 82,000 62 82,000 62 82,000 62 82,000 62 82,000 62 82,000
Cars-Kosks (OutBound) Cars-Kosks (OutBound)	L930 813783.8 519815.3 813783.1 815 L931 813789.5 819815.6 613768.6 815	9827.5 3 11 63.852 11 63.852 11 65	2.098 62 82.098 62 82.098 62 3.652 11 63.652 11 63.652 11 3.657 11 63.652 11 63.652 14	82.098 62 82.098 62 82.098 63.852 11 63.852 11 63.852 63.852 11 63.852 14 63.863	62 82 098 62 82 098 11 63 852 11 63	62 82.098 62 82.098 62	82.098 62 82.098 62	82.058 62 82.038 6 63.852 11 63.852 1	2 82.098 62 82.098 1 63.852 11 63.852	62 82.098 52 82.098 11 63.852 11 63.852	62 82.056 62 82.098 11 63.852 11 63.852	62 82.098 62 82.058 62 82.098 11 63.852 11 63.852 11 63.852
Goode Vehicles/ Container Trucks-Riasks (OutBound Cars-Riasks (OutBound) Cars-Riasks (OutBound) Cars-Riasks (OutBound) Cars-Riasks (OutBound)	L932 813795 2 819816 0 813794 5 819 L933 813800 9 819816 3 813800 2 819	9828.2 3 11 63.847 11 65 9828.6 3 11 63.852 11 65	3.847 11 63.847 11 63.647 11 3.852 11 63.852 11 63.852 11 3.852 11 63.852 11 63.852 11	63.847 11 53.847 11 63.847 63.852 11 63.852 11 63.852	11 63.847 11 63.847 11 63.852 11 63.852	111 \$3.852 11 63.852 11 11 63.847 11 53.847 11 11 63.852 11 63.852 11 11 63.852 11 63.852 11	63.847 11 63.847 11 63.852 11 63.852 11	63.847 11 63.847 1 63.852 11 53.852 1	1 63.852 11 63.852 1 63.847 11 63.843 1 63.852 11 63.853 1 63.852 11 63.853	11 63.852 11 63.852 11 63.647 11 63.847 11 63.852 11 63.852	11 63.852 11 63.852 11 63.847 11 63.847 11 63.852 11 63.852	11 63.652 11 63.652 11 63.652 11 63.647 11 63.647 11 63.647
Cars-Kissks (OutBound) Cars-Kissks (OutBound) Cars-Kissks (OutBound) Cars-Kissks (OutBound)	L935 813812.3 819617.0 813811.5 819	9828.9 3 11 63.852 11 63 9829.3 3 11 63.852 11 63	8652 11 63.852 11 63.652 11 3.852 11 63.852 11 63.652 11 8652 11 63.852 11 63.852 11 3.852 11 63.852 11 63.852 11	63.652 11 63.852 11 63.852 63.652 11 63.852 11 63.852	11 63.852 11 63.852	11 63 652 11 63,852 11	63.652 11 63.852 11	63.652 11 53.852 1 63.652 11 53.852 1	1 63 852 1 11 63 852	11 63.852 11 63.852 11 63.852 11 63.852	11 63.652 11 63.652 11 63.652 11 63.652	11 63.852 11 63.852 11 63.852
Cara-Kosks (CutBound) Cara-Kosks (CutBound)	L937 512823.7 819817.7 813822.9 615 L938 813829.4 819818.1 813829.6 615	5830.0 3 11 63,647 11 63 9830.3 3 11 83,852 11 63	3.847 11 53.847 11 53.847 11 1.852 11 63.852 11 63.852 11	63.852 11 63.852 11 63.852 63.847 11 63.847 11 63.847 63.852 11 63.852 11 63.852	11 63.852 11 63.852 11 63.847 11 63.847 11 63.852 11 63.852	11 63 647 11 63 647 11	63.852 11 63.852 11 63.847 11 63.847 11 63.852 11 63.852 11	63.852 11 63.852 1 63.847 11 63.847 1 63.652 11 63.852 1 63.652 11 63.852 1	1 53.852 11 63.852 1 63.847 11 63.847 1 63.852 11 63.852	11 63.852 11 63.852 11 63.847 11 63.847 11 63.852 11 63.852	11 63.652 11 63.652 11 63.847 11 63.847	11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.847 11 63.847 11 63.852 11 63.852 11 63.852 11 63.852
Cars-Kosks (OutBound) Cars-Kosks (OutBound) Cars-Kosks (OutBound)	L939   813835.0   819818.4   813834.3   818 L940   813840.7   519818.8   813840.0   819	9830.7 3 11 63.852 11 63 9831.0 3 11 63.852 11 63	1.852 11 63.852 11 63.852 11 1.852 11 63.852 11 63.852 11 1.852 11 63.852 11 63.852 11	63.852 11 63.852 11 63.852 63.852 11 63.852 11 63.852	11 63.852 11 63.852 11 63.852 11 63.852	11 63.852 11 63.852 11 11 63.852 11 63.852 11		53.852 11 63.852 1 63.852 11 63.852 1	1 63.852 11 63.852 1 63.852 11 63.852	11 63.652 11 63.652 11 63.652 11 63.652	11 63.852 11 63.852 11 63.852 11 63.852	11 63.552 11 63.852 11 63.852
Cars-Kosks (Ov/Bound) Cars-Kosks (Ov/Bound)	L942 813852 1 819819 5 813851 4 815 L943 813857 6 819819 9 813857 0 815	9831.7 3 11 63.852 11 63 9831.7 3 11 63.852 11 63 9832.1 3 11 63.847 11 63	1.852 11 63.852 11 63.852 11 3.652 11 63.852 11 63.852 11 1.847 11 63.847 11 63.847 11	63.852 11 63.852 11 63.852 63.852 11 63.852 11 63.852 63.847 11 63.847 11 63.847	11 63.852 11 63.852 11 63.852 11 63.852	11 63.652 11 63.852 11 11 63.852 11 63.852 11	63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.847 11 63.847 11	63.652 11 63.852 1 63.852 11 63.852 1	1 63.852 11 63.852 1 63.852 11 63.852	11 63 852 11 63 852 11 63 852 11 63 852	11 63.852 11 63.852 11 63.852 11 63.852 11 63.847 11 63.847	11 63 652 11 63 652 11 63 652 11 63 652 11 63 652 11 63 852 11 63 652 11 63 852 11 63 852 11 63 847 11 63 847 11 63 852 11 63 852 11 63 852 11 63 852 11 63 852 11 63 852
Cars-Kosks (OutBound) Cars-Kosks (OutBound)	L944 813863.5 819620.2 813862.7 815 L945 813667.2 819674.7 813690.8 819	9832.4 3 11 63.852 11 62 9686.9 3 11 51.782 11 61	3.852 11 63.852 11 63.852 11 782 11 61.782 11 61.782 11	63.852 11 63.852 11 63.852 61.782 11 61.782 11 61.782	11 63.852 11 63.852 11 61.782	11 63.652 11 63.652 11 11 61.782 11 61.782 15	63.852 11 63.852 11 63.847 11 63.847 11 63.652 11 63.852 11 61.782 11 61.782 11	63.847 11 63.847 1 63.852 11 63.852 1 81.762 11 61.782 1	1 63.852 11 63.852 1 61.782 11 63.782	11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.852 11 63.852	11 63.847 11 63.847 11 63.852 11 63.852 11 61.782 11 61.782	11 63 847 11 63 847 11 63 847 11 63 852 11 63 852 11 63 852
Cars-Kosks (OutBound) Cars-Kinsks (OutBound)	L945 813698.1 819671.5 813701.7 819 1948 813703.6 819600.9 813707.2 819	9685.2 3 11 61.783 11 61 9683.6 3 11 51.782 11 61	763   11   61.783   11   61.783   11	61 783 11 61 783 11 61 783 61 782 11 61 782 11 61 782	11 61.783 11 61.783 11 61.782 11 61.782	11 61.783 11 61.783 11 11 61.782 11 61.782 11	61.782 11 61.782 11	61.783 11 61.783 1 61.782 11 61.782 1	1 61.783 11 61.783 1 61.782 11 61.782	11 61.783 11 61.763 11 61.782 11 61.782	11 61.783 11 61.783 11 61.782 11 61.782	11 53.852 11 53.862 11 53.862 11 51.864 11 51.852 11 61.762 11 61.762 11 61.782 11 61.762 11 61.782 11 61.782 11 61.763 11 61.783 11 61.782 11 61.782 11 61.783 11 61.782 11 61.783 11 61.783
Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound) Cars-foots (OutSound)	1949 813709.1 819668.2 813712.6 819 1950 813714.5 819668.6 813718.1 815	9680.4 3 11 61.762 11 61 6676.8 3 11 61.768 11 61	782 11 61.782 11 61.782 11 1.788 15 61.788 11 61.788 11	61.782 11 61.782 11 61.782 61.788 11 61.788 11 61.788	11 61.783 11 61.783 11 61.782 11 61.782 11 61.788 11 61.788	11 61.783 11 61.783 11 11 61.782 11 61.782 11	61,783 11 61,783 11 61,782 11 61,782 11 61,788 11 61,788 11	61,783 11 51,783 1 61,782 11 61,782 1	1 61.783 11 61.783 1 61.782 11 61.782	11 61783 11 51783 11 61782 11 51782 11 61788 11 51783	11 61.783 11 61.783 11 61.782 11 61.782	11 61 783 11 61 783 11 61.783 11 61 782 11 61 782 11 61.782
Cars-Klosks (OutBound) Cars-Klosks (OutBound)	L951 813720.0 819665.0 813723.6 819 L952 813725.5 819863.4 813729.0 819	9677.2 3 11 61.787 11 51 9675.5 3 11 61.783 11 61	1.787 11 61.787 11 61.787 11 1.783 11 61.783 11 61.783 11	61.787 11 61.787 11 61.787 61.783 11 61.783 11 61.783	11 61.787 11 61.787 11 61.783 11 61.783	11 61.787 11 61.787 11 11 61.783 11 61.783 11	61.767 11 61.767 11 61.763 11 61.763 11	61.787 11 61.787 1 61.783 11 61.783 1	1 61.787 11 61.787 1 61.783 11 61.783	11 61.787 11 81.787 11 61.783 11 81.783	11 61.785 (1 61.785 11 61.787 11 61.787	11 61782 11 61782 11 61.782 11 61.788 11 61.788 11 61.788 11 61.787 11 61.787 11 61.787 11 61.787 11 61.787 11 61.787
Cars-Kosks (OutBound) Cars-Rosks (OutBound) Cars-Rosks (OutBound) Cars-Kosks (OutBound)	L954 813736.1 819880.3 813730.7 818	9672.4 3 11 61.782 11 61 9670.7 3 11 61.782 11 61	782 11 61.782 11 61.782 11 782 11 61.782 11 61.782 11 782 11 61.782 11 61.782 11	61.782 11 61.782 11 61.782 61.782 11 61.782 11 61.782 61.782 11 61.782 11 61.782	11 61.782 11 61.782 1 11 61.782 11 61.782 1	11 61.782 11 61.782 11 11 61.782 11 61.792 11 11 61.782 11 61.782 11	61.782 11 61.782 11 61.782 11 51.782 11 61.782 11 61.782 11	61.782 11 61.782 1 61.782 11 61.782 1	1 61.782 11 61.782 1 61.782 11 51.782	11 61 782 11 61.782 11 61 782 11 61 782	11 61.782 11 61.782 11 61.782 11 61.782	11 51.783 11 51.783 11 51.783 11 51.762 11 61.782 11 51.782 11 61.762 11 61.782 11 61.782
Cars-Kosks (OutBound) Cars-Kosks (OutBound)	L956 813747.3 819656.9 813750.9 819 L957 813752.8 819655.3 813756.4 819	9609 1 3 11 61.783 11 61 9667 5 3 11 61.787 11 61	783 11 61.783 11 61.783 11 .787 11 61.787 11 61.787 11	61.783 11 61.783 11 61.783 51.787 11 61.787 11 61.787	11 61.783 11 61.783 1 11 61.787 11 61.787	11 61.783 11 61.783 11 11 61.787 11 61.787 11	61.762 11 61.782 11 61.783 11 61.783 11 61.787 11 61.787 11	51.762 11 61.762 1 51.763 11 61.763 1 81.787 11 61.787 1	1 61.782 11 61.782 1 61.783 11 61.783 1 61.787 11 61.787	11 61.783 11 61.783	11 61.782 11 61.782 11 61.783 11 61.783 11 61.787 11 61.787	11 51.762 11 51.782 11 61.782 11 61.783 11 61.783 11 61.783
Cara-Kosks (OutBound) Cara-Kosks (OutBound) Cara-Kosks (OutBound) Cara-Kosks (OutBound) Cara-Kosks (OutBound)	L959 813763.7 819652.1 813767.3 819 L950 813763.7 819652.1 813767.3 819 L960 813769.2 819650.8 813777.6 819	1897   3.1   6.2   6.26   6.2   6.	782 11 61.782 11 51.782 11 782 11 51.782 11 61.782 11	61.782 11 61.782 11 61.782 61.782 11 61.782 11 61.782 81.782 11 61.782	11 51.782 11 61.782 1 11 61.782 11 61.782 1		61.782 11 61.782 11 61.782 11 61.782 11 61.782 11 61.782 11	61.782 11 61.782 1 61.782 11 61.782 1	1 61.782 11 61.782 1 61.782 11 61.782	11 61.782 11 61.782	11 51.782 11 61.782 11 51.782 11 51.782	11 61.782 11 61.782 11 61.782 11 61.762 11 61.782 11 61.782
Cars-Kosks (OutBound) Cars-Kosks (OutBound) Buses/ Coaches-Kosks (InBound)	L961 813774.7 819648.9 813778.2 819 L962 813780.1 819647.2 813783.7 819	9661.0 3 11 61.763 11 61 9658.4 3 11 61.782 11 61	783 11 61.783 11 61.783 11 782 11 61.782 11 61.782 11	61.782 11 61.782 11 61.782 61.783 11 61.783 11 61.783 61.782 11 61.782 11 61.782	11 61.782 11 61.783 1 11 61.783 11 61.783 1	11 61.782 11 61.782 11 11 61.783 11 61.783 11 11 61.782 11 61.783 11	61.782 11 61.782 11 61.783 11 61.783 11	81.782 11 61.782 1 61.783 11 61.783 1	1 61.782 11 61.782 1 61.783 11 61.783	11 61.782 11 61.782 11 61.783 11 61.783	11 61.782 11 61.782 11 61.783 11 61.783	11 61.762 11 61.782 11 61.782 11 61.783 11 61.783 11 61.783
Buses/ Coaches-Kosks (InBound) Buses/ Coaches-Kosks (InBound) Buses/ Coaches-Kosks (InBound)	L963 812652.9 819651.1 812849.0 819 L964 912858.7 819649.4 812854.7 819	9937.6 3.8 29 37.315 29 37 9935.9 3.8 28 37.315 29 37	315 29 37.315 29 37.315 29 315 29 37.315 29 37.315 29	37.315 29 37.315 29 37.315 37.315 29 37.315 29 37.315	29 37.316 29 37.315 2 29 37.315 29 37.315 2	9 37.315 29 37.315 29 9 37.315 29 37.315 29	37.315 29 37.315 29 37.315 29 37.315 29	37.315 29 37.315 2 37.315 29 37.315 2	9 37.315 29 37.315 9 37.315 29 37.315	29 37.315 29 37.315 29 37.315 29 37.315	29 37.315 29 37.315 29 37.315 29 37.315	29 37.315 29 37.315 29 37.315 29 37.315 29 37.315 29 37.315
Busey Coaches-Kieska (InBound) Busey Coaches-Kieska (InBound)	L995 812870.2 619946.0 812866.2 615 L987 812875.9 615944.3 812872.0 819	3632.5 3.8 29 37.312 29 37.313 29 37.313 29 37.313 29 37.313 29 37.313 29 37.313 29 37.313 29 37.313 29 37.313 39 37.313 39 37.313 39 37.313 39 37.313	312 29 37.312 29 37.315 29 312 29 37.312 29 37.312 29 313 29 37.313 29 37.313 29	37.312 29 37.315 29 37.315 37.312 29 37.312 29 37.312 37.313 29 37.313 29 37.313	29 37.315 29 37.315 2 29 37.312 29 37.312 2 29 37.313 29 37.312 2	9 37.315 29 37.315 29 9 37.312 29 37.312 29	37.315 29 37.316 29 37.312 29 37.312 28	37.315 29 37.315 2 37.312 29 37.312 2	9 37.315 29 37.315 9 37.312 29 37.312	29 37.315 29 37.315 29 37.312 29 37.312	29 37.315 29 37.315 28 37.312 29 37.312	29 37 315 29 37 315 29 37 315 29 37 312 23 37 312 29 37 312
Buses/ Coaches-Kosks (OutBound) Buses/ Coaches-Kosks (OutBound) Buses/ Coaches-Kosks (OutBound)	L968 813224.0 819885.1 613226.0 819 L969 813229.7 819883.4 813233.7 819	3692.2         3.8         29         37.312         29         37.913         29         37.913         29         37.913         29         37.913         29         37.913         22         37.915         24         37.915 <t< td=""><td>312 24 37.312 24 37.312 24 315 24 37.315 24 37.315 24</td><td>37.312 24 37.312 24 37.312 37.315 24 37.315 24 37.315</td><td>24 37.312 24 37.312 2 24 37.315 24 37.315 2</td><td>59 37.313 29 37.313 29 14 37.312 24 37.312 24 14 37.315 24 37.315 24</td><td>37.312 24 37.312 24 37.315 24 37.315 24</td><td>37.312 24 37.312 2 37.315 24 37.315 2</td><td>37 313 29 37 313 4 37 312 24 37 312 4 37 315 24 37 315</td><td>24 37.313 29 37.313 24 37.312 24 37.312 24 37.315 24 37.314</td><td>28 37.313 29 37.313 24 37.312 24 37.312 24 37.315 74 37.315</td><td>29 37.313 29 37.313 29 37.313 24 37.312 24 37.312 24 37.312 24 37.315 24 37.315 24 37.312</td></t<>	312 24 37.312 24 37.312 24 315 24 37.315 24 37.315 24	37.312 24 37.312 24 37.312 37.315 24 37.315 24 37.315	24 37.312 24 37.312 2 24 37.315 24 37.315 2	59 37.313 29 37.313 29 14 37.312 24 37.312 24 14 37.315 24 37.315 24	37.312 24 37.312 24 37.315 24 37.315 24	37.312 24 37.312 2 37.315 24 37.315 2	37 313 29 37 313 4 37 312 24 37 312 4 37 315 24 37 315	24 37.313 29 37.313 24 37.312 24 37.312 24 37.315 24 37.314	28 37.313 29 37.313 24 37.312 24 37.312 24 37.315 74 37.315	29 37.313 29 37.313 29 37.313 24 37.312 24 37.312 24 37.312 24 37.315 24 37.315 24 37.312
Buses/ Cosches-Klosks (OutBound)  Buses/ Cosches-Klosks (OutBound)  Buses/ Cosches-Klosks (OutBound)	L971   813235.5   819880.0   813245.2   819 L971   813241.3   819880.0   813245.2   819 L972   813247.0   819878.3   813251.0   819	893.4 3.8 24 37.315 24 37.3893.4 3.8 24 37.315	315 24 37.315 24 37.315 24 315 24 37.315 24 37.315 24 316 24 37.316 24 37.315 24	37.315 24 37.315 24 37.315 37.315 24 37.315 24 37.315	24 37 315 24 37 315 2 24 37 315 24 37 315 2	4 37.315 24 37.315 24 4 37.315 24 37.315 24	37.315 24 37.315 24 37.315 24 37.315 24	37.315 24 37.315 2 37.315 24 37.315 2	4 37 315 24 37 315 4 37 315 24 37 315	24 37.315 24 37.315 24 37.315 24 37.315	24 37.315 24 37.315 24 37.315 24 37.315	24 37.315 24 37.315 24 37.315 24 37.315 24 37.315 24 37.315
	, , , , , , , , , , , , , , , , , , , ,	1 4. 97.919 24 37	27 31.310   24 37.310   24	or.o.o.p ≼= or.d16   24   37.316	en 3/316 24 37.316 2	a 37,316   24 37,316   24	ar.316   24 37.316   24	37 316   24 37.316   2	4 37.316 24 37.316	24 37.316 24 37.316	24 37.316 24 37.316	24 37.316 24 37.318 24 37.316

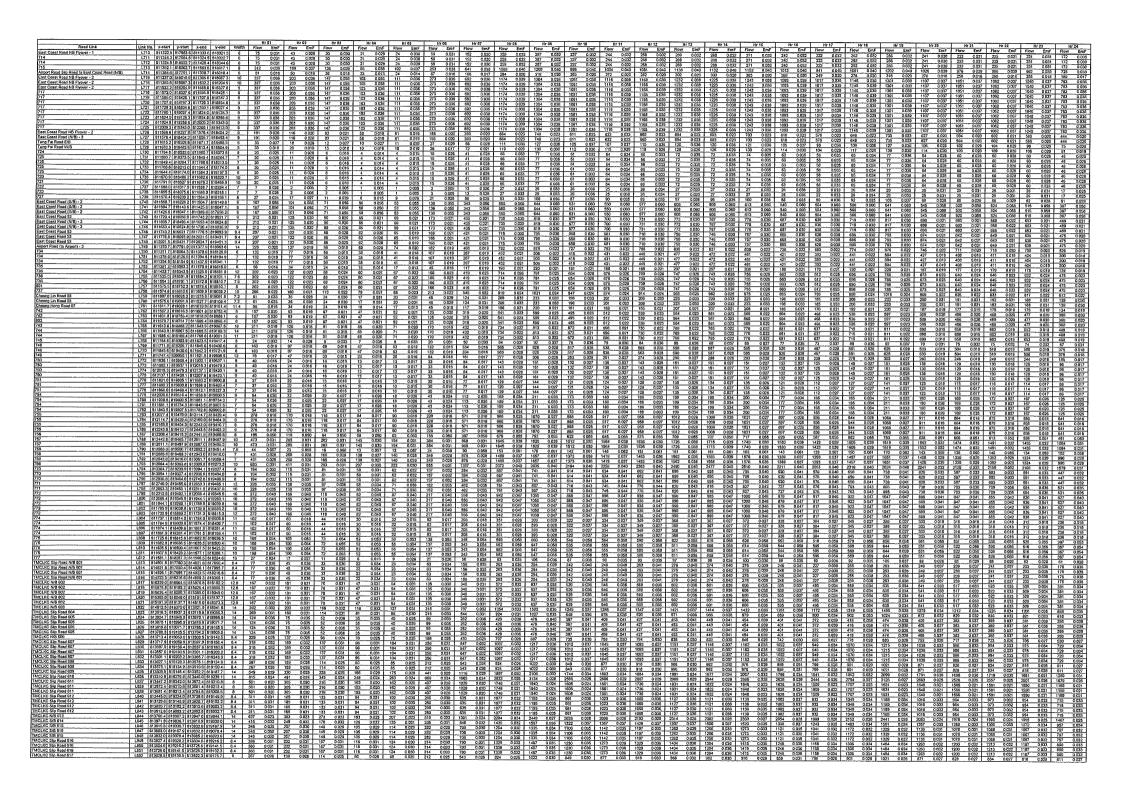
HKBCF / HKLR EIA Details of Vehicular Emission Rates 2031 22-34-09 24 hour RSP Emission and Tratfic Profile











	Hr 01 Hr 02 Hr 03 Hr 04 Hr 05 Hr 05 Hr 07		
Road Link Link No.   x-stert   y-start   x-end   y-end Width   Fig	ow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf	Hr 08 Hr 09 Hr 10 Hr 11 Hr 12 Hr 13 Hr 14 Hr 1 F Flow Emit Flow Ems Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow Emf Flow	5 Hr 16 Hr 17 Hr 18 Hr 19 Hr 20 Hr 21 Hr 22 Hr 23 Hr 24 EMF   Flow   EmF   Flow
MACHES Beautify   Maches   M	37 0.030 252 0.030 189 0.030 133 0.030 142 0.030 355 0.030 892 0.031 86 0.027 59 0.022 40 0.028 28 0.096 31 0.027 79 0.027 195 0.030	28 924 0.028 1022 0.000 849 0.030 077 0.000 818 0.000 986 0.000 982 0.000 976 117 0.000 818 0.000 986 0.000 982 0.000 976 118 0.000 988 0.000 982 0.000 976 118 0.000 988 0.000 982 0.000	BOTT   Flow   Ent   E
TMCLKC Stp Road S/B 619 L856   815027 6   818225.5   815022.0   817912.5   12 St TMCLKC S/sp Road S/B 619 L857   615022.0   817912.5   814958.1   817938.4   12 St	36 0.027 59 0.028 40 0.028 28 0.026 31 0.027 79 0.027 195 0.028 36 0.027 59 0.028 40 0.028 28 0.026 31 0.027 79 0.027 195 0.028	28 332 0.078 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354 28 332 0.068 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354 28 332 0.068 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354	0.001 310 0.002 287 0.000 323 0.000 369 0.000 314 0.029 299 0.026 303 0.028 295 0.029 221 0.029 0.031 310 0.002 287 0.000 323 0.000 369 0.000 314 0.029 299 0.026 303 0.028 295 0.029 221 0.029 0.000 310 0.002 287 0.000 323 0.000 369 0.000 314 0.029 299 0.026 303 0.028 295 0.028 221 0.029 0.000 0.000 310 0.000 323 0.000 329 0.
TMCLKC Sup Read S/B 619 LB59 B14891 B B17792.4 B14825 B17792.4	66 0.027 59 0.028 40 0.028 28 0.026 31 0.027 79 0.027 195 0.028 16 0.027 59 0.028 40 0.028 28 0.028 31 0.027 79 0.027 195 0.028	28 332 0.026 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354 28 332 0.028 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354	0.031 310 0.032 287 0.000 323 0.000 369 0.000 314 0.029 289 0.028 303 0.028 285 0.029 221 0.028 0.031 310 0.032 287 0.000 323 0.000 369 0.001 314 0.029 289 0.028 303 0.028 285 0.029 221 0.028 0.031 310 0.032 287 0.000 323 0.000 365 0.001 314 0.0029 289 0.028 303 0.028 285 0.029 221 0.028 0.031 310 0.032 287 0.000 323 0.000 325 0.000 314 0.0029 289 0.028 303 0.028 305 0.028 285 0.029 221 0.028 0.031 310 0.032 287 0.000 323 0.000 325 0.000 314 0.0029 289 0.000 300 0.000 0.000 300 0.000 300 0.000 300 0.000 0.000 300 0.000 300 0.000 0
ILLCCCC SIN FROM 2 Set 195   1,807   317902   01879125   1447921   1479924   12 9 9	86	28 332 0.028 370 0.031 307 0.032 316 0.032 330 0.032 352 0.032 348 0.032 354 28 332 0.028 370 0.031 307 0.032 318 0.032 330 0.032 352 0.032 348 0.032 354	0.031 310 0.032 287 0.030 323 0.030 389 0.030 314 0.029 289 0.028 303 0.028 285 0.028 221 0.029 0.031 310 0.032 287 0.030 323 0.030 389 0.030 314 0.029 289 0.028 303 0.028 285 0.029 221 0.029
TMCLKC S/B 500	41 0.031 204 0.031 147 0.031 105 0.031 111 0.030 276 0.030 639 0.031 44 0.031 204 0.031 147 0.031 105 0.031 111 0.030 276 0.000 639 0.031 44 0.031 204 0.031 147 0.031 105 0.031 111 0.030 276 0.000 639 0.031	11   1161   ULS2   5314   ULS2   1514   ULS2   UL	0.025 1100 0.037 1025 0.034 1154 0.034 1311 0.034 1119 0.033 1059 0.033 1071 0.033 1050 0.034 787 0.034 0.035 1100 0.037 1625 0.034 1154 0.034 1311 0.034 1319 0.033 1058 0.033 1071 0.033 1050 0.034 787 0.034 0.035 1100 0.037 1050 0.037 1050 0.034 787 0.034 1319 0.035 1050 0.055 1050 0.055 1050 0.055 1050 0.055 1050 0.055 1050 0.055 1050 0.
TMCUCC S/B 620 L865 815490.4 818118.3 816319.2 818604.1 10.6 34 Buses/ Coaches Unloading Bay (InBound) L868 812057.4 820111.7 812981.1 820225.6 10.8 74	41 0.031 204 0.031 147 0.031 105 0.031 111 0.030 276 0.030 699 0.031 14 1.128 74 1.128 74 1.128 74 1.128 74 1.128 74 1.128 74 1.128 74 1.128 74 1.128	101 101 0002 1314 0.003 1080 0.008 1127 0.006 1175 0.006 1240 0.006 1234 0.005 1251 1314 1130 174 1130	9.035   1100   0.037   1025   0.034   1154   0.034   1311   0.034   1119   0.033   1058   0.033   1071   0.033   1050   0.034   787   0.034   0.035   1010   0.037   1025   0.034   1154   0.034   1311   0.034   1119   0.033   1059   0.033   1071   0.033   1050   0.034   787   0.034   0.
Buser Conscribe Michael Bay (Tribund) USB 012557 4 503117 313561 1 602555 6 10 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1192 70 1192	11   11   12   12   13   14   15   15   15   15   15   15   15	0.005   190   0.007   0.05   0.004   1154   0.004   311   0.004   1190   0.003   1059   0.003   1071   0.033   1059   0.003   0.007   0.005   0.004   0.005   0.004   0.005   0.004   0.005
Surest Coaches Loading Bay (Outflound)   L870   81315201   820219.1   813101.1   820044.5   10.6   25	5 2946 25 2946 25 2.846 25 2.848 25 2.948 25 2.948 25 2.948 25 2.948 25 2.948 25 2.948 25 2.949 25 2.9	99 22 3.159 23 3.55 25 3.55 25 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 27 3.55 2.55 2.55 2.55 2.55 2.55 2.55 2.55	2846 25 2946 25 2945 25 2946 2
Busea/ Coaches Leading Bay (OutBound)   L872   813256 5   820197.3   813204.9   820022.4   10.6   25	3 2940 5 2940 25 2940	00 25 2540 25 2940 25	2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2940 25 2939 2
Buses/ Coaches Landing Bay (Initiatum) L873 875897 87684 6 8729123 819839 1 10.6 22 815897 87684 6 8729123 819839 1 10.6 22 815897 87684 6 8729123 819839 1 10.6 22 815897 87684 6 8729123 819839 1 10.6 22 815897 87684 6 876	4 3.595 24 3.585 24 3	8 25 259 35 269 25 259 259	3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.555 24 3.5
Buses/ Coaches Leating Bay (inBound)   L876   812956 2   819670 7   812999 7   819813 B   10.5   24	4 3.585 24 3.595 24 3.585 24 3.585 24 3.585 24 3.585 24 3.585 24 3.585 4 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559	5 24 3585 24 3	3.595 24 3.5
Butterf Coaches Lindolog Bay (Initiation)         L876         813020.3         819550.1         813050.2         819550.2         819560.2	4 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 24 3.559 3 1.138 63 1.	0 6 7 20 20 7 27 20 27 27 20 27 27 20 27 2	3.559 24 3.5
Cars-Kosks (inBound) L881 813288 0 819697 3 813288 7 819085 1 3 13 Cars-Kosks (inBound) L882 813243 6 819698 1 813244 8 81968 4 3 13	9 1192 59 1192 59 1.192 59 1.192 59 1.192 59 1.182 59 1.192 59 1.000 13 0.0	8 63 1138 63 1737 68 1738 68 1738 69 1739 69 1	1.192 59 1.192 63 1.192 65 1.1
Gen-Verleit (Influence)   1,655   1,57	3 0000 13 0000	0 13 0,000 13 0,000 13 0,000 13 0,000 13 0,000 13 0,000 13 0,000 13	0.000 13 0.000 13 0.000 15 0.0
Cars-Kiosks (inBound)         L885         813260 7   819880.1   813261.5   819686 5   3   13           Cars-Kiosks (inBound)         L885         813266.4   819899.5   813267.2   819686.8   3   13	3 0,000 13 0	0 13 0000 13 0	9,000 13 0,0
Cars-Needs (InBound)   L89   8132/2.1   815999.8   61327.9   81987.2   3   13   13   13   13   13   13   13	3 0,000 13 0	0 13 0000 13 0	0000 12 0000 13 0000 13 0000
Cart-Vestes (198-and)   LEB   115235 5 19790 5 1873267 2 198077 5 3 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 0000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	0 12 0000 13 0	1180 99 1182 93 1182 95 1182 9
Cars-Koeks (inBound) L892 813300.5 619701 61813301.3 819688.9 3 13 Cars-Koeks (inBound) L693 813306.2 819701.9 813307.0 819689.3 3 13	3 0,000 10 0,000 10 0,000 10 0,000 10 0,000 10 0,000 10 0,000 10 0	0 13 0.000 1	0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 10 0.0
Cars-Kissks (InSound)         L894         613311.9         819702.3         813312.7         819688.6         3         13           Cars-Kisska (InSound)         L895         813317.6         819702.6         813318.4         819690.0         3         13	3 0.000 13 0	0 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13	2000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 13 0 000 10 0 00
Care-Kosks (MBound) L896 813321 3 [8190637 3] 813317.7 [819058.5 1 3 13 Care-Kosks (MBound) L897 813326.8 [819068.7 813322.2 819055.5 3 13 Care-Kosks (MBound) 1999 91 91 91 91 91 91 91 91 91 91 91 9	3 0.000 13 0	0 13 0,000 1	0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 10 0000 10 0000 10 0000 13 0000 1
Carr-Morks (InBound) L868 81332-3 81687-7 81332-7 81885-9 3 13 Carr-Morks (InBound) L889 813337 7 81885-4 81335-1 81885-3 3 13 Carr-Morks (InBound) L500 813337 7 81885-4 81335-1 81885-3 3 13	0.000   13   0.000   13   0.000   13   0.000   13   0.000   19   0.000   13   0.0	9 13 0000 13 0000 13 0,000 13	0.000 13 0.0
Care-Coasta (Inflaend)	3 0.000 13 0	0 13 0.000 1	0.000   13
Cars-Kiseks (inBound)         L803         813359 6         819858 0         813356 0         819858 0         81385 0         819858 0         81385 1         81985 7         81385 1         81985 7         81385 2         3         13	0.000   13   0.0	3 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13	0.000 13 0.0
Care-Koeks (Inflound) L906 813376.9 81985.7 813366.9 819843.6 3 13 Care-Koeks (Inflound) L906 813376.0 818854.1 813372.4 819842.0 3 13 Care-Koeks (Inflound) L907 813376.0 818854.1 813372.4 819842.0 3 13	0,000 13 0,0	0 13 0000 13 0	1.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 10 0.000 13 0.000 10 0.000 13 0.0
Cars-Konks (InBound)   L909   813385 8   81550 9   81537 3   815808 7   3   13   13   13   13   13   13   1	0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 13 0.000 10 0.0	13 13 0,000	1000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 10 0000 1
Cars-Klosks (inBound) L909 813392 4 819849 3 813388 8 819637 1 3 3 13 Cars-Klosks (inBound) L910 813397 9 819947 7 81339 3 819835 5 2 13 Cars-Klosks (inBound) L911 813493 3 819846 8 813397 1 819835 5 3 13 3 13	0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 10 0000 13 0000 10 0000 10 0000 10 0000 10 0000 10 0000 10 0000 10 0000 10 0000 10 0000 1	13 0000 13 0000 13 0000 13 0000 13 0000 13 0000 13	2,000   13   0,000
Cars-Kissks (InBound)         L912         813408.8 [\$19844.4 [813405.2 ] 819832.3 ]         3         13           Cars-Kissks (InBound)         L913         813414.3 [81984.8 ] 813410.7 [\$19830.7 ]         3         13		13   0,000   0,000   0,000	1,000   13   0,0
Goods Vehicles/ Container Trucks-Works (Inflound)   L915   813377.4 (819677.7 (813373.2 ) 819653.5   38   68	3.375 68 3.3	68 3.375 68	100   13   1000
Goods Vehicles/ Container Trucks-Kosks (InBound) L917 813303.4 819672.4 813391.2 819658.3 3.8 68 Goods Vehicles/ Container Trucks-Kiesks (InBound) L918 813401.6 819670.5 813397.5 819656.5 3.8 68	3.375 68 3.375	68   3.375   68   3.375   69   3.376   68   3.375   68	375 68 3375 68 3.375 68 3.375 68 3.375 68 3.375 68 3.375 88 3.375 88 3.375 88 3.375
Goods Vehicles/ Container Trucks-Kösks (inBound)         L919         813407.9         81968 7         813403.7         819854.6         3.8         68           Goods Vehicles/ Container Trucks-Kiesks (inBound)         L920         813414.1         819668.9         813409.9         819652.6         3.6         58	3.375 66 3.375 69 3.375 69 3.375 68 3.375 68 3.375 68 3.375 68 3.375 3.375 68 3.375	68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68 3375 68	3375 68 3375 68 3375 68 3375 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 88 3000 8
Goods Vehicles/ Container Trucks-Nocks (Inflound) L921 813419.71 819665 2 813415.5 819651 1 3 5 68 Goods Vehicles/ Container Trucks-Kosks (Inflound) L922 813682.1 819952 2 813686.3 819966 3 3.1 62	3.375         68         3.	68 3.375 69 3.375 68 3.375 68 3.375 68 3.375 68 3.375 68 3.375	.375 68 3275 68 3275 68 3275 68 3275 68 3275 68 3275 68 3276 6
Goods Vehicles/ Container Trucks-Kinsks (OutBound) 1924 8138973 9 819848.7 813903 1 819808 3 3 5 52 Goods Vehicles/ Container Trucks-Kinsks (OutBound) 1925 813700 2 819848.7 813700 2 819865 9 813700 2 819865 1 819865 1 81	3145 (2 5145 (	62         3145         62	1445 62 3145 6
Geods Vehicles/ Container Trucks-Klasks (CutBound) L926 813706.4 819645.0 813710.5 819859.1 3.1 82 Geods Vehicles/ Container Trucks-Klasks (CutBound) L927 813712.6 819843.2 813716.8 815657.3 3.1 82	3.145 62 3.1	62 3.145   62 3.145   62 3.145   62 3.145   62 3.145   62 3.145   62 3.145   62 3.145   62 3.145   62 3.145	1145 52 3145 52 3145 52 3145 52 3145 52 3145 52 3145 52 3145 52 3145
Goods Vehicles/ Container Trucks-Klosks (OutBound)   L928   813718.2   819841.6   813722.3   819856.6   3.1   62   Goods Vehicles/ Container Trucks-Klosks (OutBound)   L929   813724.4   819839.7   813728.6   815853.8   3.1   62	3.145         62         3.	62         3.145         62	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Cara-Vicetas (OutBound) L931 81378-5 813915-3 813915-3 81392-5 3 11 Cara-Vicetas (OutBound) L931 81378-5 813915-6 81378-5 81392-7 3 11 Cara-Vicetas (OutBound) 1932 81378-5 813915-6 81378-6 81392-7 3 2 11	3.145 62 3.145 52 3.145 62 3.146 62 3.1	11 0,000 11	146   52   5146   62   5146
Cara-Kooks (OutBound) 1933 613800.9 819816.3 813800.2 819828.6 3 11 Cara-Kooks (OutBound) 1934 813806.6 816816.7 813806.8 816938.9 3 15	0.000 11 0.000 11 0.000 17 0.000 11 0.000 11 0.000 11 0.000 10 0.0	11 0.000 11	1909   11   0,900   11   0,90
Cars-Kosks (OutBound)         L935         813812.3         819817.0         813811.5         819829.3         3         11           Cars-Kosks (OutBound)         L936         813818.0         819817.4         813817.2         819829.5         3         11	9,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 0 10 0,000	111 0.000 11	000 11 0000 11
Cars-Goske (OutBound) L937 813822.7 819817 7 813822.9 819830.0 3 11 Cars-Goske (OutBound) L938 813825.4 819817 813822.9 819830.3 3 11	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0 10 0.0	11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11	999   11   0.000
Care-Kosks (OutBound) L940 813840,7 819918 8 813840,0 819831,0 3 11 Care-Kosks (OutBound) L941 813846,7 819918 8 813840,0 819831,0 3 11	0.000 17 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0 10 0.000 0 10 0.000 0 10 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0 10 0.000	11 0,000 11	000 11 0000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000 11 0,000
Cars-Korks (OutBound)	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 10 0.000 11 0.0	11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0 11 00000 11 0000 11 0000 11 00000	000 11 0,000
Care-Koeks (OutBound)         L944         813863.5         819920.2         813802.7         819832.4         3         11           Care-Koeks (OutBound)         L945         813807.7         819674.7         813830.8         819830.9         3         11	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0 11 0.0	11 0000 11 0000 11 0000 11 0000 11 0000 11 0000	505 11 505 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 11 606 10 60
L949   \$13692.7   \$1997.2   \$13692.7   \$1997.2   \$13695.2   \$1   \$13695.2   \$3   \$1   \$13695.2   \$3   \$1   \$13695.2   \$3   \$1   \$1   \$1   \$1   \$1   \$1   \$1	. 0000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 10 0.000 11 0.000 10 0.000 11 0.	11	1000 11 2000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 10 0000 1
Cara-Klooks (OutBound)	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000	11 0,000 11	000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 10 0000 10 0000 11
Care-Kosks (OutBound)         L951         813720.0         819655.0         813723.5         81977.2         3         11           Care-Kosks (OutBound)         L952         813725.5         819603.4         813729.0         819675.5         3         11	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 15 0.000 0.000 11 0.000 11 0.000 15 0.000 0.000 11 0.000 15 0.000	11 0000 11 000	000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 10 0000 11
Care-Nested (Nested)	0.000	11 0.000 11	000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 10 0000 10 0000 10 0000 11
Cars-Neaks (Colfescon) 1933   81397-93   918991 8   18173-8   51897-3 9 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 10 0.000 11 0.000 10 0.000 11 0.0	11 0.000 11	000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 10 0000 10 0000 10 0000 10 0000 10 0000 10 0000 11
Cars-Hooks (OutBound)         L957         613762 8         519655 3         813764 4         619667 5         3         11           Cars-Hooks (OutBound)         L568         813793 3         819653 7         819765 5         3         11           Cars-Hooks (OutBound)         L569         813793 3         819653 7         819865 5         3         11           Cars-Hooks (OutBound)         L569         813763 3         81965 1         819763 3         91964 2         3         11	0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 01 0.0	11 0.000 11	000 11 0000 11
Cami-Godas (Cuttissum) (L659 815762.) 810761. 810761. 810762. 2 111 Cami-Godas (Cuttissum) (L659 815762.) 810761. 810767. 810767. 2 111 Cami-Godas (Cuttissum) (L69 815762.) 810761. 810767. 2 111 Cami-Godas (Cuttissum) (L61 81777.) 810767. 810767. 8 111 Cami-Godas (Cuttissum) (L61 81777.) 810767. 810767. 8 111 Cami-Godas (Cuttissum) (L62 81777.) 810767. 8 111767. 8 11767. 8 111767. 8	9.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 11 0.000 10 0.0	11 0000 44 0000 11 000 11 000 11 0	200   11   6500   11   8500
Cars-Kissks (OutGound)         L962         813720 1 81947 2 813783 7 819659 4         3         11           Busest Casches-Kissks (InBound)         L963         812852 9 819651 1 81284 9 6 819937 6         3.8         29           Busest Casches-Kissks (InBound)         L964         612658 7 81998 9 4 812854 7 819935 9         3.8         29	0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0000 11 0.000 1436 29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 12 1436 29	11 0,000 11	000 11 0,000
Busel Ceacher-Cooks (Initional) (1984   B125547   B19948,4   B125547   B19935 9) 3.8 29 Busel Ceacher-Kooks (Initional) (1996   B12664,4   B199477   B12860.5   B19034.2   3.8 29 Busel Ceacher-Kooks (Initional) (1966   B12870.2   B19645,0   B12866.2   B19032.5   3.8 29	1.455 29 1.566 29 1.436 29 1.436 29 1.436 29 1.436 29 1.436 129 129 129 129 129 129 129 129 129 129	29 1435 29 1438 29 1436 29 1436 29 1436 29 1436 29 1436 29 1	29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 29 1436 30 143
Bussel Coaches-Klosks (InBound)         1,567         81297.5         81994.4         1,81287.2         81990.0         3.8         29           Bussel Coaches-Klosks (OutBound)         1,968         813224.0         818085.1         813228.0         819808.5         3.8         24	1.436 29 1.436 29 1.436 29 1.436 29 1.436 20 1.436 21 1.436 29 1.4	29 1.436 29 1.438 29 1.438 29 1.436 29	65         29         168         29         148         28         148         29         148         29         148         29         148         18         148         18         148         18         148         18         148         18         148         18         148         18         148         18         12         148         18         148         18         12         148         18         148         148         148         18         148         148         18         148         148         18         148
Buses/ Cookies-Rooks (Outlieund) L959 813229 7 819883 4 81323 7 819296 8 3.8 24	0.000   0.00	29   1.68   29   1.68   39   1.68   59   1.68   20   1.68   20	28
Buseal Cosches-Klosks (OutGound) 1,571   8122413   819880.0   812353   610853   3.5   24	1436         24         1,4	24         1436         24         1,436         24<	.65 29 1.68 29

## **APPENDIX 5G**

Vehicle Emission at Kiosks, Loading / Unloading Bays

Road	on of idling emission Rates	[ ≥ <b>X1</b> ⊗	1001 <b>Y1</b> 160	X2	% <b>Y2</b> ;€x	Length	No. of a	Traffic Flow	Nox	NOx	NOv	l ··· Nox ·
Link No.	Description	. is (m)	₹ (m) ₹	€.(m)	(m):	5 (m)	Bay/Kiosks	(veh/hr)	(g/hr).	(g/m/hr)	(g/mile/hr)	(g/mile/veh)
L1 L2	Buses/ Coaches Unloading Bay (InBound) Buses/ Coaches Unloading Bay (InBound)	812957.4 813024.2			820225,6 820100,8	119 112	18 17	74 70	160,3 151,4	1,349 1,347	2171.14 2166,58	29,317 30,976
L3	Buses/ Coaches Loading Bay (OutBound)	813068.2		813116.3	820225,0	170	26	23	199.0	1.173	1886,83	82,088
L4	Buses/ Coaches Loading Bay (OutBound)	813153.0			820044.6	182 182	28 28	25	214.3	1,178	1894.89	76,550
L5 L6	Buses/ Coaches Loading Bay (OutBound) Buses/ Coaches Loading Bay (OutBound)	813134.8	820036,5 820199.2		820211,4 820024,5	182	28	25 25	214.3 214.3	1.175 1.175	1891.21 1891.22	76.401 76.402
L7	Buses/ Coaches Loading Bay (OutBound)	813256.6	820197.3	813204.9	820022.4	182	28	25	214.3	1.175	1890.21	76,361
L8 L9	Buses/ Coaches Loading Bay (InBound)  Buses/ Coaches Loading Bay (InBound)	812869.7 812939.1	819694.6 819831.7	812912.3 812895.6	819839,1 819688,6	151 150	23 23	24 24	207.8 207.8	1,380 1,390	2219.84 2236,09	92.493 93.170
L10	Buses/ Coaches Loading Bay (inBound)	812930.3	819676.7	812973,0	819821.1	151	23	24	207.8	1.380	2219,84	92.493
L11	Buses/ Coaches Loading Bay (inBound)	812956.2			819813.8	150	23	24	207.8	1,390	2236,09	93.170
L12 L13	Buses/ Coaches Loading Bay (InBound) Buses/ Coaches Loading Bay (InBound)	812990.9 813020.3		813052.9	819803.2 819794.6	151 151	23 23	24 24	207.8 207.8	1,380 1,380	2219.84 2219.84	92.493 92.493
L14	Buses/ Coaches Unloading Bay (OutBound)	813107.5	819762,0	813072,8	819649,5	118	18	63	135.8	1.153	1855,93	29,580
L15 L16	Buses/ Coaches Unloading Bay (OutBound) Cars-Klosks (InBound)	813109.5 813238.0	819643.7 819697.3		819751.5 819685.1	112 12	17	59 13	128,3 8,2	1.141 0.667	1835,58 1073,85	30.976 82.220
L17	Cars-Kiosks (InBound)	813243.6		813244.4	819685,4	13	1	13	8.2	0.646	1039.05	79,556
L18	Cars-Kiosks (inBound)	813249.3	819698.4		819685.8	13	1 1	13	8.2	0.646	1039,05	79.556
L19 L20	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813255,0 813260,7	819698.8 819699.1		819686,1 819686,5	13 13		13 13	8.2 8.2	0,646 0.646	1039.05 1039.05	79.556 79.556
L21	Cars-Klosks (InBound)	813266.4	819699,5	813267.2	819686,8	13	1	13	8.2	0.646	1039,05	79,556
L22 L23	Cars-Kiosks (InBound)	813272.1 813277.8	819699,8 819700,2		819687.2 819687.5	13 13	1 1	13 13	8.2 8.2	0.645 0.646	1039,13 1039.05	79.562 79,556
L24	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813283.5	819700.5		819687.9	13	1	13	8.2	0.646	1039,05	79,556
L25	Cars-Kiosks (InBound)	813289.1	819700.9			13	1	13	8.2	0.646	1039,04	79,555
L26 L27	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813294.8 813300.5	819701.2 819701.6			13 13	1	13 13	8.2 8.2	0,646 0,646	1039.05 1039.13	79.556 79.562
128	Cars-Klosks (InBound)	813306.2	819701.9			13	1 .	13	8.2	0.646	1039,05	79,556
L29	Cars-Kiosks (InBound)	813311.9	819702.3	813312.7	819689.6	13	1	13	8.2	0,646	1039.05	79.556
L30 L31	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813317.6 813321.3	819702.6 819870.3	813318.4 813317.7	819690,0 819858.1	13 13	1	13 13	8.2 8.2	0.646 0.646	1039.05 1039.03	79.556 79.555
£32	Cars-Kiosks (InBound)	813326.8	819868.7	813323.2	819856.5	13	1	13	8.2	0,646	1039.03	79,555
£33	Cars-Kiosks (InBound)	813332,3	819867.0	813328.7	819854.9	13	1	13	8.2	0,646	1039.11	79.561
L34 L35	Cars-Kiosks (inBound) Cars-Kiosks (inBound)	813337.7 813343.2	819865.4 819863.8	813334.1 813339.6	819853,3 819851.7	13 13	1 1	13 13	8.2 8.2	0,646 0,646	1039.06 1039.03	79,557 79,555
L36	Cars-Kiosks (inBound)	813348.7	819862.2	813345,1	819850,0	13	1	13	8,2	0.646	1039,06	79.557
L37	Cars-Kiosks (inBound)	813354.1 813359,6	819860.6 819859,0		819848.4 819846.8	13 13	1	13 13	8.2 8.2	0,646 0.646	1039.03 1039,06	79.555 79.557
L38 L39	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813355.1	819857.4		619845.2	13	1	13	8.2	0.646	1039,06	79.557 79.555
L40	Cars-Kiosks (InBound)	813370,5	819855.7	813366.9	819843.6	13	1	13	8.2	0.646	1039,14	79,563
L41 L42	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813376.0 813381.5	819854.1 819852.5	813372.4 813377.9	819842.0 819840.4	13 13	1	13 13	8.2 8.2	0,646 0,646	1039.03 1039.06	79,555 79,557
L42	Cars-Klosks (InBound)	813386,9	819850,9	813383.3	819838.7	13	i	13	8.2	0.646	1039,03	79.555
L44	Cars-Kiosks (InBound)	813392.4	819849.3	813368.8	819837.1	13	1	13	8.2	0,646	1039.06	79,557
	Cars-Kiosks (InBound) Cars-Kiosks (InBound)	813397.9 813403.3	819847.7 819845.0	813394.3 813399.7	819835.5 819833.9	13 13	1	13 13	8.2 8.2	0.646 0.646	1039.03 1039,11	79,555 79,561
	Cars-Kiosks (inBound)	813408.8	819844.4	813405.2	819832.3	13	i	13	8.2	0,645	1039,11	79.561
L48	Cars-Kiosks (inBound)	813414.3	819842.8	813410.7	819830.7	13	1	13	8.2	0,645	1039.03	79.555
L49 L50	Goods Vehicles/ Container Trucks-Klosks (InBound) Goods Vehicles/ Container Trucks-Klosks (InBound)	813377.4 813383.3	819677.7 819676.0	813373.2 813379,1	819663.6 819661.9	15 15	- 1	68 68	54.7 54.7	3.731 3,730	6002,51 6002,00	88.111 88.104
L51	Goods Vehicles/ Container Trucks-Klosks (InBound)	813389.2	819674.2	813385.0	B19660.1	15	1	68	54.7	3,730	6002.00	88,104
	Goods Vehicles/ Container Trucks-Kiosks (InBound) Goods Vehicles/ Container Trucks-Kiosks (InBound)	813395.4 813401.6	819672.4 819670.5	813391.2 813397.5	819658.3 819656.5	15 15	1 1	68 68	54.7 54.7	3.730 3.730	6002.11 6002.11	88,105 88,105
	Goods Vehicles/ Container Trucks-Rosks (InBound)	813407.9	81966B.7	813403.7	819654.6	15	1	68	54.7	3,730	6002.00	88.104
	Goods Vehicles/ Container Trucks-Klosks (InBound)	813414.1	819666.9	813409.9	819652.8	15	1 1	68	54.7	3,730	6002.11	88,105
	Goods Vehicles/ Container Trucks-Klosks (InBound) Goods Vehicles/ Container Trucks-Klosks (OutBound)	813419.7 813682.1	819665.2 819852.2	813415.5 813686,3	819651.1 819866,3	15 15	1	68 62	54.7 46.2	3.730 3.151	5069,74	88.104 82,102
L58	Goods Vehicles/ Container Trucks-Klosks (OutBound)	813687.7	819850.6	813691.8	819864.6	15	1	62	46,2	3,151	5069.51	82.098
	Goods Vehicles/ Container Trucks-Kosks (OutBound) Goods Vehicles/ Container Trucks-Kiosks (OutBound)	813693.9 813700.2	819848.7	813698.1 813704.3	819862.8 819861.0	15 15	1	62 62	46.2 46.2	3.151 3.151	5069.41 5069.51	82,097 82,098
	Goods Vehicles/ Container Trucks-Riosks (OutBound)			B13710.5	819859.1	15	i	62	45.2	3,151	5069,51	82.098
	Goods Vehicles/ Container Trucks-Klosks (OutBound)			813716.8	819857.3	15	1 1	62	46.2	3,151	5069.51	82.098
	Goods Vehicles/ Container Trucks-Klosks (OutBound) Goods Vehicles/ Container Trucks-Klosks (OutBound)	813718.2 813724.4	819841.6 819839.7	813722.3 813728.6	819855.6 819853.8	15 15	1 1	62 62	46.2 46.2	3.151 3.151	5069.51 5069.51	82,098 82,098
L65	Cars-Kiosks (OutBound)	813783,8	819815,3	813783,1	819827.5	12	1	11	5.4	0,440	708.18	63.852
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813789.5 813795.2	819815.6 819816.0	813788.8 813794.5	819827.9 819828.2	12 12	1	11	. 5.4 5.4	0,440 0,440	708.18 708.12	63,852 63,847
	Cars-Kiosks (OutBound)	813800.9	819816,3	813800,2	819828.6	12	i	ii	5.4	0.440	708,18	63.852
L69	Cars-Klosks (OutBound)	813806.6		813805.8	819828.9	12	1	11	5.4	0,440	708.18	63.852
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813812.3 813818.0	819817.0	813811.5 813817.2	819829.3 819829.6	12 12	1	11	5.4 5.4	0.440 0.440	708.18 708.18	63,852 63,852
L72	Cars-Kiosks (OutBound)	813823,7	819817.7	813822.9	819830,0	12	1	11	5.4	0,440	708.12	63.847
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813829.4 813835.0	819818.1 819818.4	813828.6 813834.3	819830.3 819830.7	12 12	1	11	5,4 5.4	0,440 0,440	708.18 708.18	63.852 63.852
L75	Cars-Kiosks (OutBound)	813840.7	819818.8	813840,0	819831.0	12	4	11 [	5.4	0.440	708.18	63.852
L76	Cars-Kiosks (OutBound)	813846.4	819819.2	813845.7	819831.4	12	1	11	5.4	0,440	708.18	63.852
L77 L78	Cars-Kjosks (OutBound) Cars-Kjosks (OutBound)	813852.1 813857.8	819819.5 819819.9	813851.4 813857.0	819831.7 819832.1	12 12	1 1	11	5.4 5.4	0.440 0.440	708,18 708,12	63.852 63.847
L79	Cars-Kiosks (OutBound)	813863.5	819820.2	813862,7	819832,4	12	1	11	5.4	0.440	708,18	63.852
	Cars-Kiosks (OutBound)	813587.2 813592.7	819674.7	813690.8	819686.9	13	1 1	11	5.4 5.4	0,426	685.22 685.23	61.782 61.783
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813692.7 813698.1	819673,1 819671.5	813696.2 813701.7	819685.2 819683.6	13 13	1	11 11	5.4 5.4	0.426 0.426	685,23 685,22	61.783 61.782
દ83	Cars-Kiosks (OutBound)	813703,6	819669,9	813707.2	819682.0	13	1	11	5.4	0.426	685.23	61.783
	Cars-Kiosks (OutBound)	813709.1 813714.5	819668,2 819666,6	813712.6 813718.1	819680.4 819678.8	13 13	1 1	11 11	5,4 5.4	0.426 0.426	685,22 685,29	61.782 61.788
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813720.0	819665.0		819677.2	13	1	11	5.4	0.426	685.27	61.787
L87	Cars-Kiosks (OutBound)	813725.5	819663,4	813729,0	819675.5	13	1	11	5.4	0.426	685.23	61.783
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813730.9 813736.1	819661.8 819660,3	813734.5 813739.7	819673.9 819672.4	13 13	1 1	11 11	5.4 5.4	0.426 0.426	685.22 685.22	61.782 61.782
	Cars-Klosks (OutBound) Cars-Klosks (OutBound)	813741.9	819658.5	813745.4	819670.7	13	1 1	11	5.4	0.426	685.22	61.782
<b>L</b> 91	Cars-Kiosks (OutBound)	813747.3	819656,9	813750.9	819669.1	13	1	11	5.4	0.426	685.23	61.783
	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813752.8 813758,3	819655.3 819653,7	813756.4 813761.8	819667.5 819665.9	13 13	1 1	11 11	5.4 5.4	0.426	685.27 685.22	61,787 61,782
	Cars-Klosks (OutBound)	813763.7	819652.1	813767.3	819664.2	13	i	11	5.4	0.426	685.22	61.782
1,95	Cars-Kiosks (OutBound)	813769,2	819650,5	813772,8	819662.6	13	1	11	5.4	0.426	685.22	61.782
L96 L97	Cars-Kiosks (OutBound) Cars-Kiosks (OutBound)	813774.7 813780.1	819648.9 819647.2	813778.2 813783.7	819661.0 819659.4	13 13	1	11 11	5.4 5.4	0.426 0.426	685.23 685.22	61.783 61.782
L97	Buses/ Coaches-Kiosks (InBound)	812852,9	819951.1	812849.0	819937.6	14	1	29	9.4	0.668	1074,67	37.315
L99	Buses/ Coaches-Kiosks (InBound)	812858,7	819949.4		819935.9	14	1	29	9.4	0,668	1074.67	37.315
	Buses/ Coaches-Kiosks (InBound) Buses/ Coaches-Kiosks (InBound)	812864.4 812870.2	819947.7 819946.0	812860.5 812866.2	819934.2 819932.5	14 14	1	29 29	9.4 9.4	0.668 0.668	1074.67 1074.60	37.315 37.312
L102	Buses/ Coaches-Kiosks (inBound)	812875.9	819944.3	812872.0	819930.8	14	1	29	9.4	0.668	1074.62	37.313
	Buses/ Coaches-Klosks (OutBound) Buses/ Coaches-Klosks (OutBound)	813224.0 813229.7	819885.1 819863.4	813228.0 813233.7	819898.5 819896.8	14 14	1 1	24 24	7.9 7.9	0,566 0,566	910.42 910.49	37.312 37.315
	Buses/ Coaches-Klosks (OutBound)	813235.5	819881.7	813239.5	819895.1	14	i	24	7.9	0.566	910.49	37.315
L106	Buses/ Coaches-Kiosks (OutBound)	813241,3 813247.0		813245,2 813251.0	819893.4 R19891.7	14	1	24	7.9	0.566	910.49	37.315
L107	Buses/ Coaches-Klosks (OutBound)	813247.0	0130/0.3	B13251.0	013051.6	14	1	24	7.9	0.566	910,51	37,316

Column	Road	tuning consists and the constant of the consta	-s:X1€	S Y1 5	X2.	Y2.4	: Length	No. of	Traffic Flow	RSP	RSP	a. RSP.	RSP
1.3	Link No.		(m)	- (m) 3 k	100 (m) 100	燃(前)碳	(m) 🧐	Bay/Kiosks					
1.3   Bauf Continued Leafs Buy Colleges   1975				820208,6	812992,4	820100,8	112	17	70	5,8	0.052	83.38	1.192
1.5   Sear Clarific Holes (1) (College)   1931-9   1932	L3	Buses/ Coaches Loading Bay (OutBound)											
200									25			72.78	2.940
List	16	Buses/ Coaches Loading Bay (OutBound)	813221.4	820199.2									
List   Bears Counter Landy for picherson   1978		Buses/ Coaches Loading Bay (OutBound)											
1.11   Bassal Casaline (Lasting by (Philanes)			812939.1	819831.7	812895.6	819688.6	150	23	24				
1.15   Bases Colores (auchg für (Primord)   1925001													
1.10								23	24	8.0	0,053	85.43	3,559
1.15   Compression (influence)	L13	Buses/ Coaches Loading Bay (InBound)											
1.50   Care Sense (reference)													
1.50			813238.0	819697.3		819685.1	12						
Compress primary   11.00   1								<b>}</b>					
12.22   Gas-Postes (influence)			813255.0	819698.8	813255.8	819685.1	13	1	13	0.0	0.000	0.00	0,000
1.22   Cast-Robins (ribbons)													
Care-Needs (IRBared)				819699,8	813272.9	819687.2	13	1	13	0.0	0.000	0.00	
Care-Polistic Protection													
Care-Notice (Pilotoni)													0.000
Care-Poster (Pribation)			813294.8										
Case-Nation (Billiand)													
Care - Grant & Georgian			813311.9	819702.3	813312,7	819689.6	13		13				
Care-Recise (Inflament)													
Carl-Riche Rebund					813323,2	819855.5	13		13	0,0	0.000	0.00	0.000
Care-Nation Profession	L33	Cars-Klosks (inBound)											
Cart - Nicola (Inflamma)									13	0,0	0,000	0.00	0,000
List   Cart-Riches (Paleural)	L36	Cars-Kiosks (inBound)	813348.7	819862.2	813345.1	819850.0	13		13				
Cast - Global Crificounis    131867,   131891.5   131													
Care-Forcis (n fill-bound)				819857.4	813361.5	819845.2	13	1	13	0,0	0.000	0.00	0.000
Care-Scotisk (piBound)								1 1					
L43 Cear-Motats (reflowed)									13	0.0	0.000	0.00	0.000
Les Care-Notes (infloam)	L43	Cars-Kiosks (InBound)						1 :					
Lief Cara-Notes (infolament   814402, 819846, 819892, 918932, 91893, 918													0.000
Cart-Goods (infloam)		Cars-Kiosks (InBound)	813403.3	819846.0	813399.7			1 :					
Goods Verbical Container Trusts-Pictos (Ribburna)   18393.3   18195.6   15   1   68   2.1   0.143   229.04   3.375   0.000   2.000   0.000								, ,					
Goods Vehiclard Container Trucks-Notes (Inflormor)   13398.1   1897.2   13395.0   18960.3   15   1   88   2.1   0.143   229.32   3.375   13395.0   13395.0   18960.3   15   1   88   2.1   0.143   229.32   3.375   13395.0   13		Goods Vehicles/ Container Trucks-Klosks (InBound)	813377.4	819677.7	813373.2	819663,6	15	1	68	2.1	0.143		
Goods Vehiclar Container Trucks-Rock (pillegrand)   139491.2   181995.2   1													
1.53   Goods Vehicles/ Certainer Trucks-Robots (pullbound)   134901.6   134		Goods Vehicles/ Container Trucks-Riosks (InBound)					15		68	2.1	0.143	229.93	3.375
LSS   Goods Vehiclest Centainer Trucks-Rotest (Delbound)   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   110606-3   13141-1,   13141	L53	Goods Vehicles/ Container Trucks-Klosks (InBound)											
156   Goods Vehiclard Container Trucks-Floots (Julisoum)   131419.7   181985.2   181345.8   18185.1   1							15		68	2.1	0,143	229.93	3.375
Control Weitland Continuer Tructs-Alcase (Cultibound) 8193867, 919850, 819864, 819864, 819850, 155   62   1.8   0.121   194-20   3.145	L56	Goods Vehicles/ Container Trucks-Klosks (InBound)						_					
Ligo   Goods Vehicles/Container Trucks-Nocks (Cutlbound)   8137002   818468, 81 37002   818468, 81 37003												194.20	3.145
List   Goods Welfelder Contilation Trucks-Volence (CullBound)   813766,8   819845,0   813716,8   819845,0   813822,0   819845,0	L59	Goods Vehicles/ Container Trucks-Klosks (OutBound)											
LES   Goods Vehicles Container Trucks-Vokske (CullBound)   8137126   819843.2   813716.8   819857.5   15   15   62   1.8   0.121   194.20   3.145     LEA   Goods Vehicles Container Trucks-Vokske (CullBound)   813724.4   819839.7   813722.8   81985.5   15   1   62   1.8   0.121   194.20   3.145     LEA   Goods Vehicles Container Trucks-Vokske (CullBound)   813724.4   819839.7   813728.5   81985.5   819													3,145
		Goods Vehicles/ Container Trucks-Klosks (OutBound)	813712.6	819843.2	813716.8	819857.3							
LSS								1					
L87			813783.8	819815.3	813783.1	819827.5	12		11				
Lisp   Cara-Kosks (CutBound)													
171   Carri-Kicask (OutBound)			813800.9	819816.3	813800,2	819828.6	12	1	11	0.0	0.000	0.00	0.000
Carra-Koask (OutBound)													
172   Cars-Klosks (OulBound)			813818.0	819817.4	B13817.2	819829.6	12	1	11	0.0	0.000	0.00	0.000
Cars-Kosks (OutBound)	L72	Cars-Kiosks (OutBound)											
Cars-Klosks (OutBound)					813834,3	819830.7	12	1	11	0.0	0.000	0.00	0,000
Cars-Klosks (OutBound)	L75	Cars-Kiosks (OutBound)	813840.7	819818.6									
Cara-Klosks (OutBound)											0.000	0.00	0.000
L80   Cars-Kiosks (CutBound)   813687.2   819674.7   813690.8   819688.9   13   1   11   0.0   0.000	L78	Cars-Kiosks (OutBound)	813857.8	819819.9	813857.0	819832.1	12		11	0,0			
Big   Cars-Klosks (OutBound)   Big													
Big   Cars-Klosks (OutBound)   Big	L81	Cars-Kiosks (OutBound)	813692.7	819673.1	813696.2	819685.2	13	1	11	0.0	0.000	0.00	0.000
L84 Cars-Klosks (OutBound) 81370-1 819688.2 813712.6 819680.4 13 1 11 0.0 0.000 0.00 0.000	L82	Cars-Kiosks (OutBound)											
L85   Cars-Kjosks (OutBound)				819668.2	813712,6	819680.4	13	1	11	0.0	0,000	0.00	0.000
L87 Cars-Kiosks (OutBound) 813725.5 819653.4 813729.0 819675.5 13 1 11 0.0 0.000 0.0	L85	Cars-Kiesks (OutBound)	813714.5	819666.6	813718.1								
L88 Cars-Kiosks (OutBound) 813730.9 819661.8 813734.5 819673.9 13 1 11 0.0 0.000 0.00 0.00 0.00 0.00 0													0.000
L90 Cars-Klosks (OutBound) 813741.9 819658.5 813745.4 819670.7 13 1 11 0.0 0.000 0.00 0.00	F88	Cars-Kiesks (OutBound)	813730.9	819661.8	813734.5	819673.9	13	1	11 [	0.0	0.000	00,0	0,000
L91 Cars-Kioska (OutBound) L92 Cars-Kjoska (OutBound) L93 Cars-Kjoska (OutBound) L94 Cars-Kjoska (OutBound) L95 Cars-Kjoska (OutBound) L96 Cars-Kjoska (OutBound) L97 Cars-Kjoska (OutBound) L98 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (OutBound) L99 Cars-Kjoska (InBound) L99 Cars-Kjoska (I													
L92 Cars-Klosks (OutBound) 813752.8 819655.3 813761.8 819667.5 13 1 11 0.0 0.000 0.0			B13747.3	819656.9	813750.9	819669.1	13	1	11	0.0	0.000	0,00	0,000
L94 Cars-Klosks (OutBound) 813763.7 819652.1 813767.3 819664.2 13 1 11 0.0 0.000 0.00 0.00 0.00 0.00 0	L92	Cars-Kiosks (OutBound)											
L95 Cars-Kjosks (OutBound) 813769.2 819650.5 813772.8 819662.6 13 1 11 0.0 0.0000 0.0000 0.0000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.							13			0.0	0.000	0,00	0,000
L97   Cars-Krosks (OutBound)   813780.1   819647.2   813783.7   819659.4   13   1   11   0.0   0.000	L95	Cars-Kiosks (OutBound)	813769.2	819650.5	813772.8	819662.6							
Lind   Buses/ Coaches-Kjosks (inBound)   812852.9   819951.1   812849.0   819937.6   14   1   29   0.4   0.026   41.36   1.4													
Light   Ligh		Buses/ Coaches-Kiosks (InBound)	812852.9	819951.1	812849.0	819937.6	14	1	29	0.4	0.026	41.36	1,436
L101 Buses/ Coaches-Klosks (InBound) 812870.2 819945.0 812866.2 819932.5 14 1 29 0.4 0.026 41.35 1.436 L102 Buses/ Coaches-Klosks (InBound) 812875.9 819944.3 812872.0 819930.8 14 1 29 0.4 0.026 41.35 1.436 L103 Buses/ Coaches-Klosks (OutBound) 813224.0 819885.1 813228.0 819898.5 14 1 24 0.3 0.022 35.04 1.436 L104 Buses/ Coaches-Klosks (OutBound) 813229.7 819881.7 813235.7 81995.1 14 1 24 0.3 0.022 35.04 1.436 L105 Buses/ Coaches-Klosks (OutBound) 813235.5 819881.7 813239.5 81995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.2 819893.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.2 819893.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813241.3 819880.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813241.3 819880.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813241.3 819880.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813241.3 819880.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.4 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813245.8 819890.0 813245.2 819995.1 14 1 24 0.3 0.022 35.04 1.436 L106 B													
L102         Buses/ Coaches-Kiosks (InBound)         B12875,9         81984.3         812872.0         819930.8         14         1         29         0.4         0.026         41.35         1.436           L103         Buses/ Coaches-Kiosks (OutBound)         813224.0         819885.1         813228.0         819898.5         14         1         24         0.3         0.022         35.04         1.436           L104         Buses/ Coaches-Kiosks (OutBound)         813229.7         819893.4         813233.7         819995.1         14         1         24         0.3         0.022         35.04         1.436           L105         Buses/ Coaches-Kiosks (OutBound)         813245.2         819895.1         14         1         24         0.3         0.022         35.04         1.436           L106         Buses/ Coaches-Kiosks (OutBound)         813241.3         819880.0         813245.2         819893.4         14         1         24         0.3         0.022         35.04         1.436           L106         Buses/ Coaches-Kiosks (OutBound)         813241.3         819880.0         813245.2         819893.4         14         1         24         0.3         0.022         35.04         1.436		Buses/ Coaches-Kiosks (inBound)	812870.2	819946.0	812866.2	819932.5	14	1	29	0.4	0.026	41.35	1.436
L104 Buses/ Coaches-Klosks (OutBound) 813229.7 819893.4 813233.7 819896.8 14 1 24 0.3 0.022 35.04 1.436 L105 Buses/ Coaches-Klosks (OutBound) 813235.5 819881.7 813239.5 819895.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Klosks (OutBound) 813241.3 819880.0 813245.2 819893.4 14 1 24 0.3 0.022 35.04 1.436	L102	Buses/ Coaches-Kiosks (InBound)											
L105 Buses/ Coaches-Kiosks (OutBound) 813235.5 819881.7 813239.5 819895.1 14 1 24 0.3 0.022 35.04 1.436 L106 Buses/ Coaches-Kiosks (OutBound) 813241.3 819880.0 813245.2 819893.4 14 1 24 0.3 0.022 35.04 1.436 1.436 1.436			813229.7	819883.4	813233.7	819896,8	14	1	24	0.3	0.022	35.04	1.436
2100   0400   050	L105	Buses/ Coaches-Kiosks (OutBound)	813235.5										

## APPENDIX 5H

Vehicle Emission Factors for TMCLKL Emission Factors of RSP (g/mile/veh) for Each Hours of Trunk Road with Speed Limit of 80

Emission Factors	PC-p	LGV3		PLB		III Sheen Fi										
Hr1	0.003717		0.049687		LGV6		HGV8	FBDD		taxi	PV4	PV5	NFB6	NFB7	NFB8	TERRO
Hr2	0.003741	TOTOGOLOG	0.04972		0.048241	0.064803					0	0	0.03632			FBSD
Hr3	0.003708	1	0.049583		0.048341	0.06484			**********	0.021537	0	n	0.036548			
Hr4	0.003713		0.049383		0,01011		41000010			0.021504	0	Ô	0.036042			
Hr5	0.00361		0.046394		0,01710		0.2001,0		0.044203	0.021334	0	<u> </u>		0.056153		
Hr6	0.003666	<del> </del>	0.047108		0.0 100 1	0.064904			0.046236			0	0.036099			
Hr7	0.003731			0	0.045738	4100 1100	********		0.047324	0.020944	0	0	0.036807	0.057142		
Hr8	0.003711	0.064014		- 0	0.048196	****			0.043117	0.021508	ō	0	0.036497		0.02.000	
Hr9	0.004171	0.070666	0.0 .00,0		0.048072	0.064813	3.0000.0		0.042907	0.021492	0.036203	- 0	0.036488	0.05634		
Hr10	0.004245		-1400020	U	0.052438	0.07022	0.063355		0.041347			0.103915			0.052499	<u> </u>
Hr11	0.004246		0.055681	0	0.054132	0.072461	0.065446	0.039598	0.040897	0.024571	0.041581				-1000,01	0.04214
Hr12	0.004238		0.055829		0.054215	9107.507.	0.065534	0.039595	0.040604	0.024574						
Hr13	0.004233	21011000	0.056055 0.055947	- 0	0.054349		0.065577		0.040532	0.02454					0.059546	1
Hr14	0.004207	0.071362		0	0.05449	0.072575	-100000	0.039656	0.040962	0.024469				0.063928	0.059602	
Hr15	0.003957	0.066679	0.055854	0	0.054301	0.072465	0,000.,,	0.039522	0.040951	0.02435		0.105204			0.059602	
Hr16	0.004176		0.053517	- 0	0.05198	0.069375	0.062699	0.037777	0.041096						-1000	*** * 7000
Hr17	0.003951	0.067042	0.056268	0	0.054777	0.072963	0.065891	0.039656	0.040801		0.041581		0.036683		0.056201	0.040225
Hr18	0.003857		0.053424	0	0.051945	0.069477	0.062753		0.041046	0.022881	0.041256	0,100204	0.040742		0.058859	
Hr19	0.003858	-10000	0.051917	0	0.050423		0.060873	0.0367	0.042109			0.104112	0.037826	0.060424	0.05612	
Hr20	0.003865	0.065552	0.051882	0	0.0505	0.06737	0.060884	0.036676	0.041934	0.022338	0.038838	0.104112	0.037828		0.054572	0.0 10220
Hr21	0.003854		0.051873	0	0.050456	0.067387	0.060889		0.04175		0	07104112	0.037695	0.05886	0.05466	
Hr22	0.003834	0.064979	0.051863	0	0.050323	0.067419	0.060858	0.036609	0.042065		0	0	0.037695		0.054598	
Hr23	0.003969	0.068073	0.051812	0	0.05034	0.067379	0.060847	0.036609	0.041645			0	0.037745		0.054304	
Hr24	0.00396		0.053491	- 0	0.051899		0.062815	0.037824	0.04075	0.02294		0	0.039073	0.058509	0.054157	0.03218
Daily			0.05355	0	0.051903	0.069542	0.062814		0.040941			0	0.039086	0.060455	0.056298	0.040225
	0.004017	0.000731	0.053404	0	0.051907	0.069467	0.062746	0.037896				0.103954		0.060504	0.056298	0.040225
												37100004	0.039286	0.000995	0.056733	0.041705

# Emission Factors of NO<sub>x</sub> (g/mile/veh) for Each Hours of Trunk Road with Speed Limit of 80

Emission Factors	PC-p	LGV3	LGV4	PLB	LGV6		HGV8	Icos o	1							
Hr1	0.103299	0.24135	0.243776		1.407947			FBDD	MC	taxi	PV4	PV5	NFB6	NFB7	NFB8	FBSD
Hr2	0.10319				1.407522		3.264286					0	1.361792			
Hr3	0.103153	0	0.243649		1.406405	20012100	3.262844			***		0	1.361187			
Hr4	0.103181	Ö	0.250657			2.511189 2.514544		2.001088				0		2.487762		
Hr5	0.102891	0	0.257758			2.517269			11 0 000			0				
Hr6	0.103261	0	0.258306	7		2.521099		2.005702				0	1.363524			
Hr7	0.104422	0.24135			1.419924							0	1.366073			
Hr8	0.104676	0.245675			1.418027	2.525155 2.526357						0	1.368435		3.281305	
Hr9	0.108471	0.24135	0.241518		1.390839		3.281393	2.013112			0.09654	0	1.369044			
Hr10	0.109397	0.239176	0.23816			2.450023					0.095817	0.174308		2,4463	7.77	
Hr11	0.109592	0.239176	0.237865	n	1,372013		*********				0.095817	0.174308		2.42427	3.177299	
Hr12	0.109586	0.239233	0.236838		1.365729		3.181918				0.095774	0.172393				
Hr13	0.10978	0.239233	0.23695	0		2,446968			1.096208				1.324684	2.422301	3.17656	
Hr14	0.10983	0.242714		ń	1.366385		3.178281 3.179425	-10-	110001012	0.286997	0.095774	0.173277	1.324942	2.421386		
Hr15	0.107703		0.237493	0		2.451897			1.095023	0.2871	0.095817	0.173277	1.325974			
Hr16	0.109022	0.23865				2.438038						0.17534	1.329275			
Hr17	0.107159	0.24135	0.237624	0		2.446708		1.9282	1.088131	0.284909		0.173277	1.322185			
Hr18	0.105935	0.24433	0.239953	0				1.935532			0.09489	0		2,425539	3.181019	
Hr19	0.105349		0.239781	0	1.381641	2.480307					0.095348	0.170365				
Hr20	0.104824	0.24433	0.239952	ŏ		2.474096				0.275316	0.094321	0.170365			3.216075	
Hr21	0.104657	0.242897	0.239845	0.		2.474223		1.967423		0.273944	0	0	1.341362			1.505564
Hr22	0.104686	0.242897	0.240028	0		2.475259				-1-1-0000	0	0				1.54464
	0.105557	0.239803	0.236743	0	1.365112	2.43853	3,16742			-14,0001	0	0			3.224279	1.54464
			0.236406	0			3,165844	1.928999			0	0	1.321665			
Daily	0.107107	0.241312	0.239277	0		2.464472					0	0	1.320852	2.415495	3.167698	1 46917
							0.201072	1.000000	1.114616	0.279951	0.095786	0.173525	1,334926	2.440384	3.201714	1 484827

## APPENDIX 5I

Tunnel Emission Calculations

Project: Title:

HKBCF / HKLR EIA

Calculations of Portal Emission and Emission from Ventilation Buildings

Year: Date:

Parameter:

22-Jul-09 Nox emission during peak hour

Tunnel	Direction	Tunnel Length	Tunnel Length	Traffic Flow	Emission Factor	Total Emission	Total Emission	to Vent Bid	to each Portal	first 50m (each)	2nd 50m (each)	Remark
		(m)	(mile)	(veh/hr)	(g/mile-veh)	(g/hr)	(g/s)	(g/s)	(g/s)	, ,	(*******)	
HKLR (EB)	EB	1110	0.690	1121	1,926	1489.460	0.414	-	0.124	0.01655	0.00827	
HKLR (WB)	WB	1110	0.690	982	1.961	1328,483	0.369	_	0.111	0.01476	0.00738	1
Ventilation Bld_HKLR	-	-	-	-	-	-		0.548		2.01,1.0		70% to vent buildings
BCF HK Tunnel	SB	882	0.548	344	0.502	94.662	0.026	-	0.026	0.00351		Jet fan 100%
HZMB-Main Bridge (Eastern)	EB	7000	4.351	1121	1.926	9392.991	2,609	_	0.783	0.10437	0.05218	Jerian 100%
HZMB-Main Bridge (Western)	WB	7000	4.351	982	1.961	8377.821	2.327		0.698	0.09309	0.03210	
HZMB-Main Bridge Vent Bld (Eastern)	- 1	*	-		_ [	- '		1.728	J.500	-		70% to yout buildings
HZMB-Main Bridge Vent Bld (Western)	-		-	-	-	_	_	1.728	_	_		70% to vent buildings
TMCLKL (SB)	SB	- ""	-		-	-				0.05170	0.02580	50%/50% split into 2 vent buildings
Ventilation Bld_TMCLKL	-	-	•		<u> </u>	-		2,790	-	0.03170	-	Provided by TMCLKL's Consultant

Project: Title: Year:

HKBCF / HKLR EIA Calculations of Portal Emission and Emission from Ventilation Buildings

2031

Date:

22-Jul-09

Parameter:

RSP emission during peak hour

Tunnel	Direction	Tunnel Length	Tunnel Length	Traffic Flow	Emission Factor	Total Emission	Total Emission	to Vent Bld	to each Portal	first 50m (each)	2nd 50m (each)	Remark
		(m)	(mile)	(veh/hr)	(g/mile-veh)	(g/hr)	(g/s)	(g/s)	(g/s)			
HKLR (EB)	EB	1110	0.690	1121	0.034	26.294	0.007	-	0.002	0.00029	0.00015	
HKLR (WB)	WB	1110	0,690	982	0.035	23.711	0.007	_	0.002	0.00026	0.00013	
Ventilation Bld_HKLR	-	-	-	-	-	-	-	0.010	-		_	70% to vent buildings
BCF HK Tunnel	SB	882	0.548	344	0.027	5.091	0.001	_	0.001	0.00019	0,00009	Jet fan 100%
HZMB-Main Bridge (Eastern)	EB	7000	4.351	1121	0.034	165,816	0.046		0.014	0.00184	0.00092	
HZMB-Main Bridge (Western)	WB	7000	4.351	982	0.035	149,528	0.042	_	0.012	0.00166	0.00083	
HZMB-Main Bridge Vent Bid (Eastern)	-	-	-		-	-	_	0.031			-	70% to vent buildings
HZMB-Main Bridge Vent Bld (Western)	-	- :		- 1	_		_	0.031	_	_	_	50%/50% split into 2 vent buildings
TMCLKL (SB)	SB	-	_	-	_					0.00170		Provided by TMCLKL's Consultant
Ventilation Bid_TMCLKL	-	-			-		-	0.090		-	U.00000	I TOVIDED BY TWOERE'S CONSULTANT

APPENDIX 5J

Cumulative Air Quality Impacts

Grid 7\_22

ASR Ref in Model ASR ID Description **X Y** 806423.9 814974.1 ASR 1

A99 Sham Wat House No. 30 Grid 8\_23

ASR Ref in Model	ASR ID	Description	X	Y
ASR 1	A97	San Shek Wan	807086.9	815893.8
ASR 2	A98	Sham Wat House No. 39	806750.0	815223.2

#### Grid 8\_24

ASR Ref in Model	ASR ID	Description	Х	Υ
ASR 1	A93	Sha Lo Wan House No. 1	808151,3	817083.9
ASR 2	A94	Sha Lo Wan House No. 5	808063.6	816855.2
ASR 3	A95	Sha Lo Wan House No. 9	807864.3	816721.0
ASR 4	A96	Tin Hau Temple at Sha Lo Wan	807763.9	816772.2

## Grid 9\_24

ASR Ref in Model	ASR ID	Description	Х	Υ
ASR 1	A89	Government Flying Services Headquarters	808805.5	817481.3
ASR 2	A105	Hong Kong Business Aviation Centre	809063.1	817459.5
ASR 3	A106	DHL Central Asia Hub	809409.1	817546.7

Grid 10\_23

ASR Ref in Model	ASR ID	Description	X	Υ
ASR 1	P7	Tung Chung West Development	810606.4	816208.6
ASR 2	P8	Tung Chung West Development	810721.6	816411.5

#### Grid 10\_24

ASR Ref in Model	ASR ID	Description	Х	Y
ASR 1	A67	Aviation Security Company Limited	810690.8	817066.5
ASR 2	A68	Tradeport Logistics Centre	811031.8	817451.5
ASR 3	A90	Tin Sum	809900.3	816812.5
ASR 4	A91	Kau Liu	809767.2	816768.7
ASR 5	A92	San Tau	809948.1	816617.4

Grid 10\_25

DescriptionXYGate Gourmet Catering Building811029.6818336.0 ASR Ref in Model ASR ID ASR 1

A78

ASR Ref in Model	ASR ID	Description	X	Υ
ASR 1	A51	Yu Tung Court - Hor Tung House	812192.8	816401.5
ASR 2	A59	Ma Wan Chung	811320.8	816378.5
ASR 3	A60	Yat Tung Estate - Shun Yat House	811477.0	816119.3
ASR 4	A61	Yat Tung Estate - Mei Yat House	811675.9	815882.0
ASR 5	A62	Yat Tung Estate - Hong Yat House	811654.2	815754.3
ASR 6	A63	Yat Tung Estate - Ping Yat House	811475.6	815685.2
ASR 7	A64	Yat Tung Estate - Fuk Yat House	811299.9	815648.4
ASR 8	A65	Yat Tung Estate - Ying Yat House	811286.9	815772.8
ASR 9	A66	Yat Tung Estate - Sui Yat House	811307.5	816050.8

ASR Ref in Model	ASR ID	Description	Х	Υ
ASR 1	A19	Coastal Skyline Block 5 - NLH Facade	812437.5	816918.6
ASR 2	A20	Coastal Skyline Block 5 - HKLR Facade	812439.3	816948.8
ASR 3	A21	La Rossa B - NLH Facade	812328.3	816934.8
ASR 4	A22	La Rossa B - HKLR Facade	812334.3	816963.7
ASR 5	A23	LeBleu No.1	812344.0	817041.4
ASR 6	A24	LeBleu No.31	812418.3	817105.2
ASR 7	A26	LeBleu No.2	812381.6	817025.2
ASR 8	A27	LeBleu No.22	812439.3	817069.2
ASR 9	A29	LeBleu Deux	812228.4	817073.3
ASR 10	A30	LeBleu Deux	812236.0	817148.2
ASR 11	A31	LeBleu Deux	812314.5	817158.2
ASR 12	A32	LeBleu Deux	812408.6	817170.1
ASR 13	A33	Seaview Crescent Block 5 - NLH Facade	812161.0	816991.5
ASR 14	A34	Seaview Crescent Block 5 - HKLR Facade	812171.2	817018.7
ASR 15	A35	Seaview Crescent Block 3 - NLH Facade	812062.2	817067.2
ASR 16	A36	Seaview Crescent Block 3 - HKLR Facade	812078.0	817072.8
ASR 17	A37	Seaview Crescent Block 1 - NLH Facade	811995.8	817096.3
ASR 18	A38	Seaview Crescent Block 1 - HKLR Facade	812013.9	817120.7
ASR 19	A39	Ling Liang Church E Wun Sccondary School	812336,6	816816.4
ASR 20	A40	Ling Liang Church Sau Tak Primary School	812427.7	816809.4
ASR 21	A41	One Citygate	811973.3	816816.5
ASR 22	A42	One Citygate Bridge	812029.9	816826.6
ASR 23	A43	Fu Tung Shopping Centre	812125.8	816722.7
ASR 24	A44	Tung Chung Health Centre	812235.9	816690.5
ASR 25	A45	Ching Chung Hau Po Woon Primary School	812250.3	816660.8
ASR 26	A46	Po On Commercial Assoication Wan Ho Kan Primary School	812207.6	816634.4
ASR 27	A47	Po Leung Kuk Mrs. Ma Kam Min Cheung Fook Sien College	812288.5	816508.7
ASR 28	A48	Wong Cho Bau Secondary School	812352.4	816575.0
ASR 29	A49	Tung Chung Wan Telephone Exchange	812355.7	816690.1
ASR 30	A50	Yu Tung Court - Hei Tung House	812204.6	816472.1
ASR 31	A52	Fu Tung Estate - Tung Ma House	812063.2	816593.0
ASR 32	A53	Fu Tung Estate - Tung Shing House	811995.3	816475.7
ASR 33	A54	Tung Chung Crescent Block 1	811920.2	816519.9

ASR Ref in Model	ASR ID	Descript	on	Χ	Υ
ASR 34	A55	Tung Chung Crescent Block 3	8	311936.0	816621.3
ASR 35	A56	Tung Chung Crescent Block 5	8	311872.0	816690.4
ASR 36	A57	Tung Chung Crescent Block 7	8	311777.0	816694.8
ASR 37	A58	Tung Chung Crescent Block 9	8	311711.0	816626.1
ASR 38	A69	Tradeport Logistics Centre	8	311106.1	817513.5
ASR 39	A70	Cathay Pacific City	8	311287.2	817594.2
ASR 40	A71	Cathay Pacific City	8	311287.6	817756.1
ASR 41	A100	Man Tung Road Park	8	311905.5	817023.6
ASR 42	A101	Novotel Citygate Hong Kong	8	312089.6	816905.3
ASR 43	P3	Planned Park near One Citygate	8	311806.2	816944.7
ASR 44	P4	Planned Community Hall and Librar	ry 8	312263.1	816837.6
ASR 45	P9	Tung Chung West Development	8	311056.5	816536.1
ASR 46	P10	Tung Chung West Development	8	311277.9	816674.8
ASR 47	P11	Tung Chung West Development	3	311464.2	816825.3

#### Grid 11\_25

ASR Ref in Model	ASR ID	Description	Х	Υ
ASR 1	A72	Chek Lap Kok Fire Station	811283.1	817931.8
ASR 2	A73	LSG Sky Chefs	811094.8	818050.0
ASR 3	A74	LSG Sky Chefs	811115.4	818125.6
ASR 4	A75	Cathay Pacific Catering Services	811265.4	818232.9
ASR 5	A76	Cathay Pacific Catering Services	811297.4	818334.2
ASR 6	A77	Airport Police Station	811114.1	818195.6
ASR 7	A79	CNAC Tower	811691.2	818235.0
ASR 8	A80	Dragonair Tower	811785.8	818290.8
ASR 9	P12	Planned CAD Headquarters Site (F		818457.5
ASR 10	P13	Planned CAD Headquarters Site (5	811819.6	818455.4

### Grid 11\_26

ASR Ref in Model	ASR ID	Description	X	Y
ASR 1	A81	Regal Airport Hotel	811332.9	820016.4
ASR 2	A82	SkyCity Nine Eagles Golf Course	812111.5	819628.3
ASR 3	A83	SkyCity Nine Eagles Golf Course	812183.2	819796.5
ASR 4	A84	SkyCity Nine Eagles Golf Course	812142.3	819988.4
ASR 5	A85	Hong Kong SkyCity Marriott Hotel	812227.8	819992.0
ASR 6	A86	Hong Kong SkyCity Marriott Hotel	812272.6	820069.9
ASR 7	A87	AsiaWorld-Expo	812398.5	820276.6
ASR 8	A88	AsiaWorld-Expo	812447.3	820389.2
ASR 9	A102	Terminal 2 Sky Plaza	811708.1	819748.3
ASR 10	A103	SkyCity Nine Eagles Golf Course	811878.1	819854.9
ASR 11	A104	SkyCity Nine Eagles Golf Course	811950.6	819660.2

ASR Ref in Model	ASR ID	Description	Х	Υ
ASR 1	A1	Caribbean Coast Block 1 - NLH Facade	813097.7	817252.3
ASR 2	A2	Caribbean Coast Block 1 - BCF Facade	813069.8	817267.9
ASR 3	А3	Caribbean Coast Block 5 - NLH Facade	813027.2	817153.8
ASR 4	A4	Caribbean Coast Block 5 - BCF Facade	813002.9	817174.1
ASR 5	A5	Caribbean Coast Block 6 - NLH Facade	812951.7	817074.6
ASR 6	A6	Caribbean Coast Block 6 - BCF Facade	812931.2	817098.6
ASR 7	Α7	Caribbean Coast Block 9 - NLH Facade	812850.8	817007.4
ASR 8	A8	Caribbean Coast Block 9 - BCF Facade	812836.1	817033.7
ASR 9	A9	Caribbean Coast Block 11 - NLH Facade	812777.9	816972.8
ASR 10	A10	Caribbean Coast Block 11 - BCF Facade	812767.0	817000.4
ASR 11	A11	Caribbean Coast Block 16 - NLH Facade	812662.6	816937.6
ASR 12	A12	Caribbean Coast Block 16 - BCF Facade	812656.0	816968.1
ASR 13	A13	Caribbean Coast (Phase 5)	812646.8	817136.5
ASR 14	A14	Caribbean Coast (Phase 5)	812753.8	817156.2
ASR 15	A15	Ho Yu College	812809.8	817242.1
ASR 16	A16	Ho Yu Primary School	812923.1	817227.5
ASR 17	A17	Coastal Skyline Block 1 - NLH Facade	812555.0	816918.3
ASR 18	A18	Coastal Skyline Block 1 - HKLR Facade	812550.8	816944.2
ASR 19	A25	LeBleu No.99	812523.5	817123.8
ASR 20	A28	LeBleu No.88	812518.8	817068.0
ASR 21	P1	Tung Chung East Development	812656.7	817664.7
ASR 22	P5	Planned Distict Open Space	812729.3	816845.9
ASR 23	P6	Planned Distict Open Space	812961.5	816951.5

Grid 12\_25

ASR Ref in Model ASR ID Description X Y
ASR 1 P2 Tung Chung East Development 813218.2 818122.0

Title : Grid 7\_22 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	214	214	214	214	214	96	96	96	96	96	22	22	22	22	22

Title : Grid 8\_23 (NO2)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	219	219	219	219	219	110	110	110	110	110	27	27	27	27	27
2	218	218	218	218	218	110	110	110	110	110	26	26	26	26	26

Title : Grid 8\_24 (NO2)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	246	246	245	243	241	134	134	134	133	132	47	47	47	46	46
2	235	235	235	234	234	131	131	131	131	130	45	45	44	44	44
3	232	232	232	232	232	130	130	130	130	130	44	44	44	44	44
4	233	233	233	233	233	131	131	131	130	130	44	44	44	44	44

Title : Grid 9\_24 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	220	220	219	219	218	124	124	124	123	123	40	40	40	39	38
2	221	221	220	219	219	126	125	125	124	123	43	43	42	41	39
3	224	224	223	222	222	127	126	126	125	124	45	43	41	40	39

Title : Grid 10\_23 (NO2)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	207	207	207	207	206	102	101	101	101	101	25	25	25	25	25
2	209	209	209	209	209	104	104	104	104	103	26	26	26	26	26

Title :Grid 10\_24 (NO2)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	216	216	217	215	221	128	128	128	125	121	44	44	44	41	37
2	216	216	215	214	214	125	124	122	119	118	44	43	41	39	37
3	225	225	226	227	228	109	109	109	109	109	33	33	33	33	32
4	215	215	215	216	216	109	109	109	109	108	32	32	32	32	32
5	212	212	212	212	212	108	108	108	108	108	31	31	31	31	31

Title :Grid 10\_25 (NO2)

ASR Ref	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	271	271	271	271	271	131	131	130	130	130	49	49	48	48	47

Title : Grid 11\_23 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	195	195	195	195	195	108	108	108	108	107	28	28	27	26	26
2	200	200	200	200	200	105	105	105	104	104	25	25	25	25	25
3	198	198	198	198	197	102	102	102	102	101	25	25	24	24	24
4	198	198	198	197	197	104	104	103	103	102	25	25	25	24	24
5	197	197	197	197	197	102	102	101	101	101	24	24	24	24	23
6	197	197	197	197	197	101	101	100	100	100	24	24	23	23	23
7	198	198	198	198	198	101	101	101	101	100	23	23	23	23	23
8	199	199	199	199	198	102	102	102	101	101	23	23	23	23	23
9	202	202	202	202	202	103	103	103	103	103	24	24	24	24	24

Title : Grid 11\_24 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	204	204	204	203	203	119	119	117	116	114	34	34	33	32	31
2	203	203	203	203	203	118	118	117	115	114	33	33	33	32	31
3	204	204	203	203	203	120	119	118	116	115	34	33	33	32	31
4	203	203	203	203	203	118	118	117	116	114	33	33	32	31	31
5	203	203	202	202	202	117	116	116	115	113	32	32	31	31	30
6	202	202	202	202	202	115	115	115	114	113	32	32	31	31	30
7	203	203	203	203	202	116	116	115	114	113	32	32	32	31	30
8	203	203	203	202	202	116	116	115	114	113	32	32	31	31	30
9	202	202	202	202	202	118	117	116	115	114	32	32	31	31	30
10	202	202	202	202	202	117	117	116	115	114	32	32	31	31	30
11	202	202	202	202	202	116	116	115	114	113	32	32	31	30	30
12	202	202	202	202	202	115	115	114	114	113	32	32	31	30	30
13	203	203	203	203	202	121	120	119	118	116	34	33	32	32	31
14	203	203	202	202	202	120	120	119	117	115	33	33	32	31	30
15	202	202	202	202	202	121	121	120	118	116	33	33	32	32	31
16 47	202	202	202	202	202	120	120	119	118	116	33	33	32	32	31
17	202	202	202	202	202	122	121	121	119	117	34	34	33	32	31
18	202	202	202	202	202	121	121	120	119	117	34	34	33	32	31
19	206	206	206	205	205	126	125	123	118	114	40	38	36	33	31
20	206	206	206	205	205	125	124	122	118	114	40	39	36	34	32
21 22	238	219	208	207	206	112	111	111	110	109	47	42	37	34	32
23	243 201	236	213	211	209	119	117	114	112	110	54	45	36	33	31
23 24	201	201	201	201	201	109	109	109	108	107	39	38	36	34	32
25	201	201 201	201 201	201 200	201	109	109	109	108	108	38	38	36	34	32
26 26	201	201	200	200	200 200	109	108	108	107	107	36	36	35	33	32
26 27	201	201				107	107	107	107	106	35	34	34	33	32
28	201	201	201 201	200	200	107	107	106	105	104	33	32	32	31	30
29	201	201		200	200	109	109	107	106	105	34	34	33	32	31
30	200	201	201 201	201 200	201 200	111	110	110	109	108	41	40	37	34	32
30 31	200	200	200	200	200	106 107	106	105	104	103	31	31	31	30	30
32	200	200	200	200	200	107	107	106	105	105	33	33	32	32	31
33	201	201	201	200	200	112	108 110	107 108	106	105	32	31	31	30	30
34 34	201	201	201	200	200	109	108	108	106 107	105	34	33	32	31	30
35	201	201	201	201	200	108	108	108	107	106 107	34	34	33	32	31
36	201	201	201	201	201	109	109	108	107	107	34	34	33	33	32
00	£U I	١ ۵	۷ ۱	201	4U I	108	เบฮ	100	107	106	34	34	33	32	31

37	201	201	201	201	200	111	110	108	106	105	34	33	32	31	31
38	209	207	205	204	203	119	118	116	114	112	43	42	39	37	35
39	207	206	205	204	203	121	119	114	112	110	47	43	39	36	34
40	206	206	204	203	203	118	118	117	116	114	45	44	40	37	35
41	205	204	202	202	202	127	127	126	122	118	39	38	35	33	31
42	204	204	204	204	203	127	126	125	120	116	39	37	35	32	31
43	212	211	210	209	207	114	113	112	111	110	45	43	38	35	32
44	205	205	205	205	204	126	126	124	119	114	39	38	35	33	31
45	200	200	200	200	200	99	99	99	99	99	30	30	30	29	29
46	210	209	208	206	203	101	101	101	101	101	31	31	31	31	30
47	203	203	203	203	202	109	109	109	108	108	36	36	36	35	33

Project HZMB EIA
Title : Grid 11\_25 (NO2)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	219	218	218	215	214	125	125	125	123	121	51	49	49	42	40
2	218	218	218	217	217	121	121	121	120	120	42	42	42	40	39
3	216	216	216	216	215	122	121	121	121	120	41	41	41	40	39
4	214	214	214	214	213	121	121	121	120	120	43	43	43	41	39
5	215	215	215	214	213	119	119	119	119	119	43	43	43	40	39
6	215	215	215	214	214	121	121	121	121	120	41	40	40	39	39
7	220	217	214	213	213	130	129	128	126	123	43	42	42	40	38
8	220	219	217	213	212	123	123	123	122	122	44	43	43	40	38
9	222	219	219	214	213	123	123	123	122	122	47	45	45	40	38
10	219	217	217	214	213	123	123	123	122	122	46	45	45	40	38

Title : Grid 11\_26 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	226	226	226	226	226	120	119	119	119	118	35	35	35	35	34
2	247	247	245	243	241	122	122	121	121	120	41	40	40	39	38
3	239	238	237	236	235	120	119	119	118	118	40	39	38	38	37
4	232	232	232	232	232	119	119	118	118	118	37	37	36	36	36
5	234	234	232	231	231	119	119	118	118	118	38	37	37	36	36
6	229	229	229	229	228	118	118	118	118	117	37	37	37	36	36
7	225	225	225	225	225	117	117	117	117	117	36	36	36	36	35
8	225	225	225	225	225	117	117	117	116	116	35	35	35	35	35
9	235	235	235	235	235	118	118	118	117	117	38	37	37	36	36
10	244	244	243	242	241	121	120	120	119	118	37	37	36	36	35
11	247	247	246	245	244	123	123	122	120	119	39	39	38	38	37

Project HZMB EIA
Title : Grid 12\_24 (NO2)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
AON NEI			10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	192	192	192	192	192	105	104	103	100	98	31	31	30	2 <del>9</del>	27
2	193	192	192	192	192	104	104	102	100	97	31	30	29	28	27
3	193	193	193	193	193	105	104	103	100	97	31	31	30	29	27
4	193	193	193	192	192	104	103	102	100	97	30	30	29	28	27
5	194	194	194	194	194	106	105	103	101	97	32	32	30	29	27
6	193	193	193	193	193	104	104	102	100	97	31	30	29	28	27
7	194	194	194	194	194	106	105	103	101	98	32	31	30	29	27
8	193	193	193	193	193	105	104	103	100	98	30	30	29	28	27
9	194	194	194	193	193	106	105	104	101	98	31	31	30	28	27
10	193	193	193	193	193	105	104	103	100	98	30	30	29	28	27
11	193	193	193	193	193	108	108	105	103	100	31	31	30	28	27
12	193	193	193	193	193	107	106	104	102	99	30	30	29	28	27
13	192	192	192	192	192	101	101	100	99	97	28	28	27	27	26
14	192	192	192	192	192	100	100	99	98	97	28	28	27	27	26
15	193	193	192	192	192	101	101	99	98	96	29	29	28	27	26
16	193	192	192	192	192	102	101	100	99	97	29	29	28	27	26
17	193	193	193	193	193	108	108	106	103	101	32	31	30	29	27
18	193	193	193	193	193	107	107	105	103	100	31	30	29	28	27
19	193	193	192	192	192	103	102	101	100	98	29	28	28	27	26
20	193	193	192	192	192	104	103	102	100	99	29	28	28	27	26 26
21	191	191	191	191	191	95	95	95	94	94	24	24	24	24	
22	196	196	195	195	195	115	114	109	103	97	38	37			24
23	201	201	201	200	200	114	113	103	98	93	43		33	30	27
	_0.	201	201	200	200	114	113	107	90	93	43	40	33	29	27

Title :Grid 12\_25 (NO2)

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	201	201	201	201	201	107	107	106	106	105	27	27	27	27	26

Title : Grid 7\_22 (RSP)

1-hr	1-hr	1 <b>-hr</b>	1 <b>-hr</b>	<b>1-h</b> r	<b>24-hr</b>	<b>24-hr</b>	<b>24-hr</b>	<b>24-h</b> r	<b>24-hr</b>	Annual	Annual	Annual	Annual	Annual
ASR Ref 1.5m	<b>5m</b>	<b>10m</b>	<b>15m</b>	<b>20m</b>	<b>1.5m</b>	<b>5m</b>	<b>10m</b>	<b>15m</b>	<b>20m</b>	1.5m	5m	10m	15m	20m
1 108	108	108	108	108	89	89	89	89	89	43	43	43	43	43

Project HZMB EIA Title

Title Grid 8\_23 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-hr 1.5m	1-h <i>r</i> 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual	Annual	Annual	Annual
1	114	114	444	444	444					~OIII	1,0111	5m	10m	15m	20m
	114	114	114	11 <del>4</del>	114	92	92	92	92	92	45	45	45	4.5	4.5
2	113	113	113	110	440	~ .					40	410	45	45	45
_	113	113	113	113	113	91	91	91	91	91	45	45	45	45	45

Title Grid 8\_24 (RSP)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	130	130	130	129	129	96	96	96							20111
							90	90	95	95	4/	47	47	47	47
2	129	12 <del>9</del>	129	129	129	95	95	95	95	95	47	47	47	47	
3	129	129	129	400	400	0.5					71	41	4/	47	47
U	120	123	125	129	129	95	95	95	95	95	47	47	47	47	47
4	129	129	129	129	420	05	0.5				7.1	71	<del>***</del> /	41	41
•	120	123	129	129	129	95	95	95	95	95	47	47	47	47	47

Title Grid 9\_24 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annuai 15m	Annual 20m
1	115	115	115	115	115	90	90	90	90	90	45	45			
2	115	115	115	115	115	91	91	91	91	91	4		45	45	45
3	115	115	115	115	115	91	91	91			45	45	45	45	45
		.,,	. , ,	,,,	110	31	91	91	91	91	45	45	45	45	45

Title Grid 10\_23 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	A	
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m		Annual	Annual	Annual
1	115	115	115	115	115	89	89	89	89	89		5m	10m	15m	20m
2	115	115	115	115	115	89					44	44	44	44	44
_			110	110	113	09	89	89	89	89	44	44	44	44	44

Title Grid 10\_24 (RSP)

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual	Annual
1	116	116	116	116	115	91	91	91						15m	20m
2								91	90	90	45	45	45	45	45
4	117	116	116	116	116	91	91	91	90	90	46	45	45	45	
3	116	116	115	115	115	90	90	90	90						45
	110	440						90	90	90	45	45	45	45	45
4	116	116	116	116	115	90	90	90	90	90	45	45	45	45	
5	115	115	115	115	115	00	00	00					40	45	45
•	7.10		110	110	110	90	90	90	90	90	45	45	45	45	45

Title Grid 10\_25 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-nr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASK Kei 1	1.5m	<b>5m</b> 131	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
•	131	131	131	131	131	96	96	96	96	96	48	48	48	48	48

Title Grid 11\_23 (RSP)

ASR Ref	<b>1-hr</b> <b>1.5m</b> 119	<b>1-hr</b> <b>5m</b> 119	<b>1-hr</b> <b>10m</b> 119	<b>1-hr</b> <b>15m</b> 119	<b>1-hr</b> <b>20m</b> 119	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
· ,	120					90	90	90	90	90	44	44	44	44	44
2		120	119	119	119	90	90	90	90	90	44	44	44	44	44
3	120	120	120	120	120	90	90	90	90	90	44	44	44	44	44
4	120	120	120	120	120	90	90	90	90	90	44	44	44		
5	120	120	120	120	120	90	90	90	90	90	44	44		44	44
6	120	120	120	120	120	90	90	90	90	90			44	44	44
7	119	119	119	119	119	90	90	90	90		44	44	44	44	44
8	119	119	119	119	119	90				90	44	44	44	44	44
9	119	119	119				90	90	90	90	44	44	44	44	44
•	113	115	118	119	119	90	90	90	90	90	44	44	44	44	44

Title : Grid 11\_24 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	119	119	119	119	119	91	91	91	91	91	45	45	45	45	<b>2011</b> 45
2	11 <del>9</del>	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
3	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
4	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
5	119	119	119	119	119	91	91	91	91	91	45	45	45	45 45	45 45
6	119	119	119	119	119	91	91	91	91	91	45	45	45 45	45	45 45
7	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
8	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
9	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
10	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
11	119	119	119	119	119	91	91	91	91	91	45	45	45	45 45	45 45
12	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45 45
13	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
14	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
15	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
16	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
17	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
18	119	119	119	119	119	91	91	91	91	91	45	45	45	45	45
19	119	119	119	119	119	91	91	91	91	91	46	46	45	45	45
20	119	119	119	119	119	91	91	91	91	91	46	46	45	45	45
21	122	121	120	119	11 <del>9</del>	92	91	91	91	91	46	46	46	45	45
22	123	121	119	119	119	92	92	91	91	91	47	46	46	45	45
23	121	121	120	119	119	91	91	91	91	91	46	46	46	45	45
24	121	120	120	119	119	91	91	91	91	91	46	46	46	45	45
25	120	120	120	119	119	91	91	91	91	91	46	46	46	45	45
26 27	120	120	120	120	119	91	91	91	91	91	45	45	45	45	45
28	120	120	120	119	119	91	91	91	91	91	45	45	45	45	45
29	120 121	120	120	120	119	91	91	91	91	91	45	45	45	45	45
30	121	121	120	119	119	91	91	91	91	91	46	46	46	45	45
30 31	120	120	120	119	119	91	91	91	91	91	45	45	45	45	45
32	120	120	120	120	119	91	91	91	91	91	45	45	45	45	45
32 33		120	120	120	120	91	91	91	91	91	45	45	45	45	45
33 34	120 120	120 120	120	120	120	91	91	91	91	91	46	45	45	45	45
35	120	120	120	120	120	91	91	91	91	91	45	45	45	45	45
36	121	120	120	120	120	91	91	91	91	91	45	45	45	45	45
	141	141	121	120	120	91	91	91	91	91	45	45	45	45	45

37	121	121	121	120	120	91	91	91	91	91	45	45	45	45	45
38	120	120	119	119	119	91	91	91	91	91	46	46	46	46	45
39	120	120	120	120	119	92	91	91	91	91	46	46	46	46	45
40	120	120	120	119	119	92	91	91	91	91	46	46	46	46	45
41	119	119	119	119	119	92	91	91	91	91	46	46	46	45	45
42	119	119	119	119	119	92	91	91	91	91	46	46	45	45	45
43	122	121	121	120	120	91	91	91	91	91	46	46	46	45	45
44	119	119	119	119	119	91	91	91	91	91	46	46	45	45	45
45	121	121	121	121	120	91	91	91	91	91	45	45	45	45	45
46	120	120	120	120	120	91	91	91	91	91	45	45	45	45	45
47	121	121	121	121	120	91	91	91	91	91	46	46	46	46	45

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Title : Grid 11\_25 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual
1	126	126	126	126	126	93	93	93	93	93	46				20m
2	125	125	125	125	125	93	93	93	93	93	46	46 46	46 46	46 46	46 46
3	125	125	125	125	125	93	93	93	93	93	46	46	46	46 46	46 46
4	125	125	125	125	125	93	93	93	93	93	46	46	46	46	. –
5	125	125	125	125	125	93	93	93	93	93	46	46	46	46 46	46
6	125	125	125	125	125	93	93	93	93	93	46	46	46	46	46 46
7	127	127	127	127	127	93	93	93	93	93	46	46	46	46	45 45
8	127	127	127	127	127	93	93	93	93	93	46	46	46	45	45
9	128	127	127	127	127	93	93	93	93	93	46	46	46	45	45
10	128	127	127	127	127	93	93	93	93	93	46	46	46	45	45

Title : Grid 11\_26 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

ASR Ref	1-hr 1.5m	1-hr 5m	1-hr 10m	1-hr 15m	1-hr 20m	24-hr 1.5m	24-hr 5m	24-hr 10m	24-hr 15m	24-hr 20m	Annual 1.5m	Annual 5m	Annual 10m	Annual 15m	Annual 20m
1	124	124	124	124	124	95	95	95	95	95	46	46	46		
2	124	124	124	124	124	95	95	95	95	95	46	46	46	46 46	46 46
3	124	124	124	124	124	95	95	95	95	95	46	46	46	46	
4	124	124	124	124	124	95	95	95	95	95	46	46	46		46
5	124	124	124	124	124	95	95	95	95	95	46	46		46	46
6	124	124	124	124	124	95	95	95	95	95	46	46	46 46	46	46
7	124	124	124	124	124	95	95	95	95	95	46	46	46 46	46	46
8	124	124	124	124	124	95	95	95	95	95	46		46	46	46
9	124	124	124	124	124	95	95	95	95	95		46	46	46	46
10	124	124	124	124	124	95	95	95	95		46	46	46	46	46
11	124	124	124	124	124	95	95	95 95	95 95	95 95	46 46	46 46	46 46	46 46	46 46

Title : Grid 12\_24 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	Annual
1	119	119	119	119	119	91	91	91	91	91	44	44	44	44	20m
2	119	119	119	119	119	91	91	91	91	91	44	44	44		44
3	119	119	119	119	119	91	91	91	91	91	44	44	44	44	44
4	119	119	119	119	119	91	91	91	91	91	44	44	44	44	44
5	119	119	119	119	119	91	91	91	91	91	44	44		44	44
6	119	119	119	119	119	91	91	91	91	91	44	44	44	44	44
7	119	119	119	118	118	91	91	91	91	91	44	44	44	44	44
8	119	119	119	118	118	91	91	91	91	91	44	44	44	44	44
9	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
10	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
11	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
12	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
13	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
14	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
15	119	119	118	118	118	91	91	91	91	91	44	44	44	44	44
16	119	119	119	119	119	91	91	91	91	91	44	44 44	44	44	44
17	118	118	118	118	118	91	91	91	91	91	44		44	44	44
18	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
19	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
20	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
21	118	118	118	118	118	91	91	91	91	91		44	44	44	44
22	118	118	118	118	118	91	91	91	91	91	44	44	44	44	44
23	119	119	119	119	119	91	91	91	91		44	44	44	44	44
						01	91	91	91	91	45	44	44	44	44

Title : Grid 12\_25 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

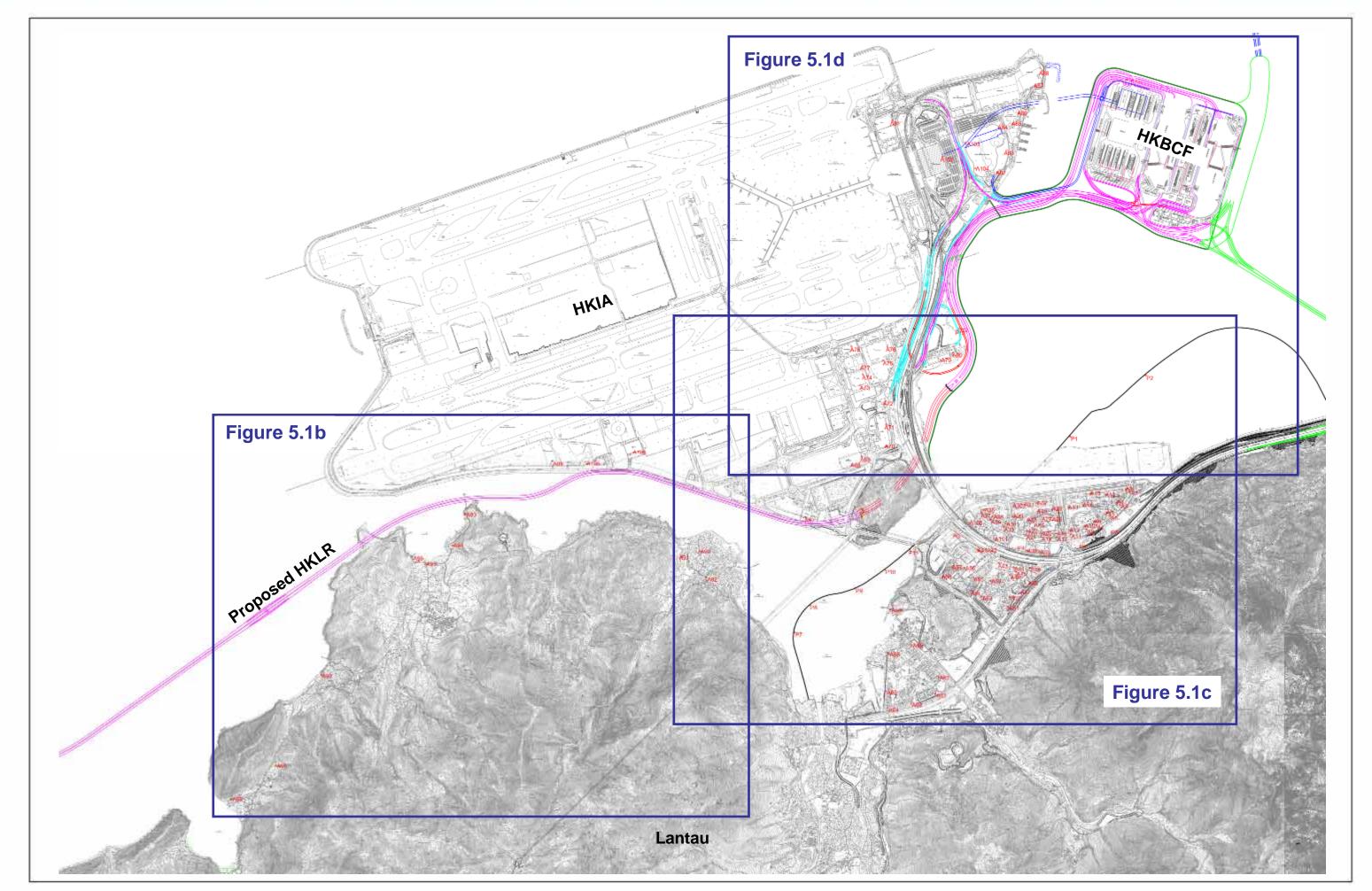
	1-hr	1-hr	1-hr	1-hr	1-hr	24-hr	24-hr	24-hr	24-hr	24-hr	Annual	Annual	Annual	Annual	Annual
ASR Ref	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m	1.5m	5m	10m	15m	20m
1	121	121	121	121	121	92	92	92	92	92	44	44	44	44	40III 44

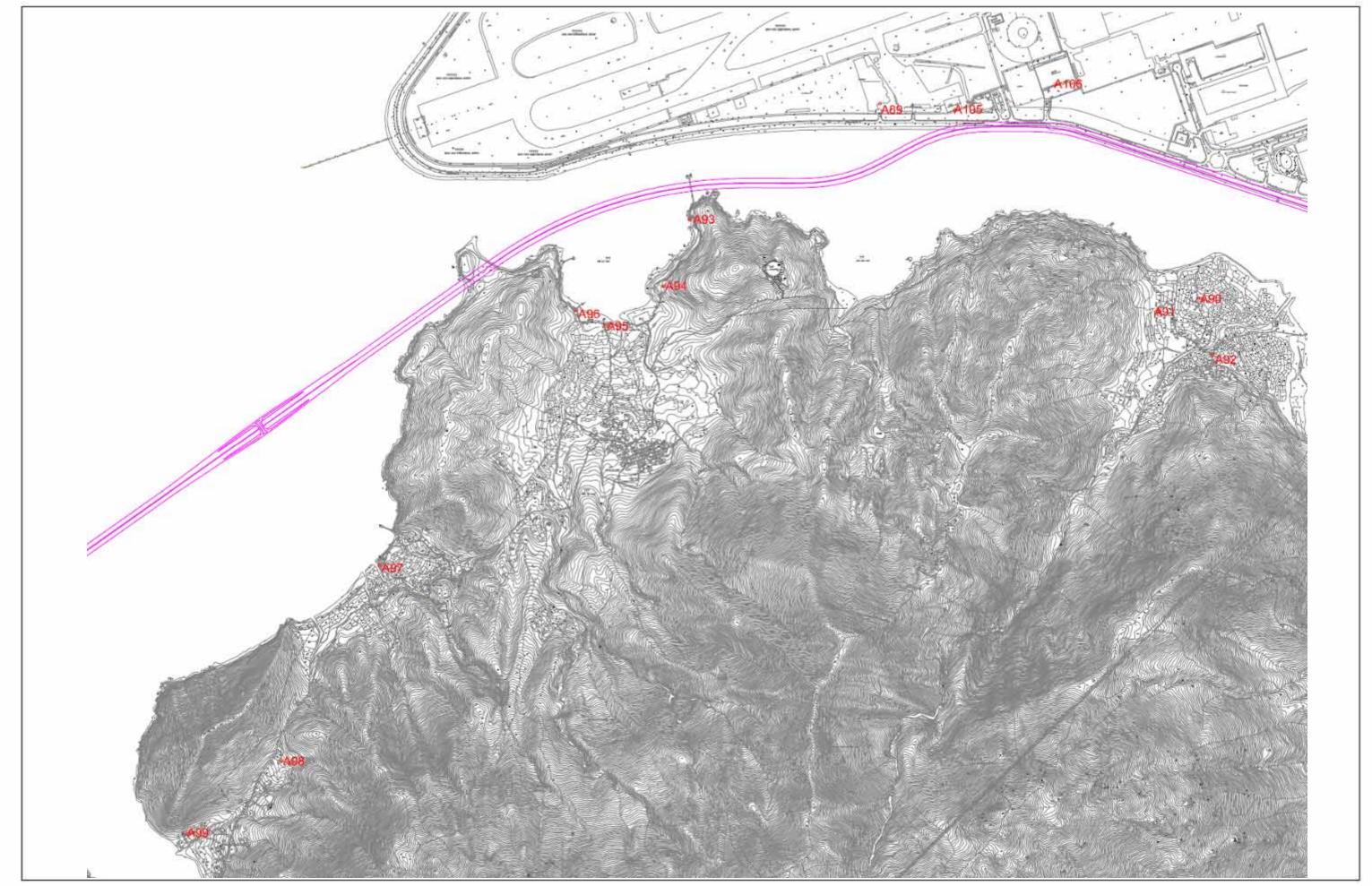
Project HZMB EIA
Title Grid 10\_24 (NO2)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	4 6-	A t	4 5	<b>.</b> .	
ASR	1.5m	5m	19111 10m	15m	1-11r 20m	1-hr 25m	1-hr	1-hr	1-hr	1-hr
A67	216	216	217	215	2011		30m	35m	40m	45m
, 10,	210	210	217	213	221	214	213	212	212	212
	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
ASR	1,5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A67	128	128	128	125	121	118	115	114	113	113
	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A67	44	44	44	41	37	36	35	34	33	32
	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A90	225	225	226	227	228	228	227	225	222	217
								220	222	211
ACD	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A90	109	109	109	109	109	109	109	109	109	109
	Annual	Annual	Annuai	Annuai	Annuaí	Annual	Annual	Annual	Annual	Annual
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A90	33	33	33	33	32	32	32	31	31	30
	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A91	215	215	215	216	216	215	214	213	212	212
	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
<b>491</b>	109	109	109	109	108	108	108	108	108	108
	Annual	Annual	Annual	Annuai	Annual	Annual	Annual	Annual	Annual	Annual
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
<b>191</b>	32	32	32	32	32	31	31	31	30	30

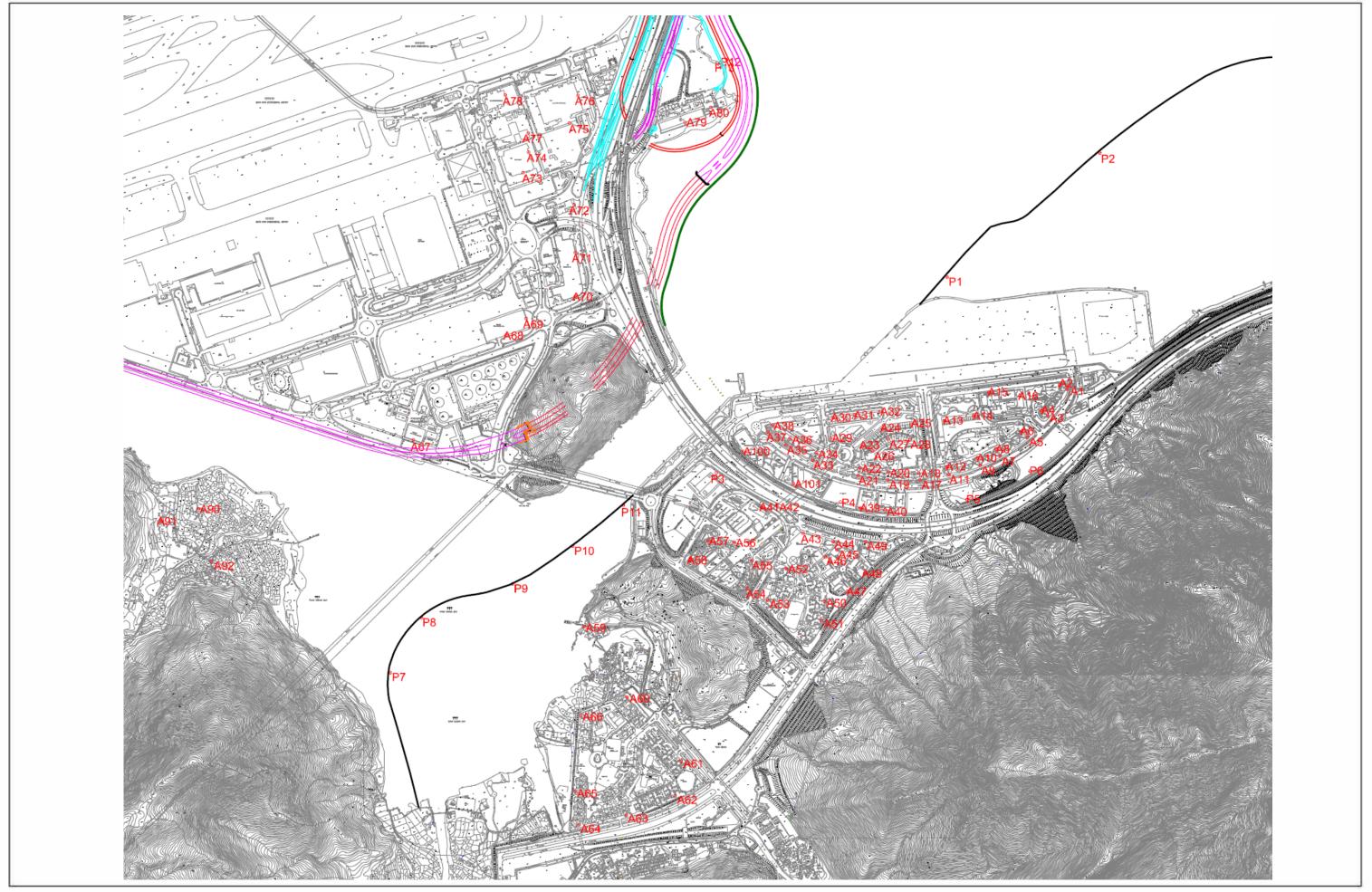
Project HZMB EIA
Title Grid 10\_24 (RSP)
Scenario : Assume 50% Utilisation of Natural Gas in HK

	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hı
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	1-nr 40m	1-ni 45m
A67	116	116	116	116	115	115	115	115	115	115
107	110	110	110	110	110	110	113	113	115	112
	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-իг	24-hr	24-hr	24-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A67	91	91	91	90	90	90	90	90	90	90
	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annuai	Annual
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A67	45	45	45	45	45	45	45	45	45	45
	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A90	116	116	115	115	115	115	115	115	115	115
	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A90	90	90	90	90	90	90	90	90	90	90
	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
490	45	45	45	45	45	45	45	45	45	45
	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr	1-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
<b>491</b>	116	116	116	116	115	115	115	115	115	115
	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr	24-hr
ASR	1.5m	5m	10m	15m	20m	25m	30m	35m	40m	45m
A91	90	90	90	90	90	90	90	90	90	90
										-
V C B	Annual	Annuai	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
\SR \91	<b>1.5m</b> 45	<b>5m</b> 45	10m 45	<b>15m</b> 45	20m	25m	30m	35m	40m	45m
121	40	40	43	40	45	45	45	45	45	45





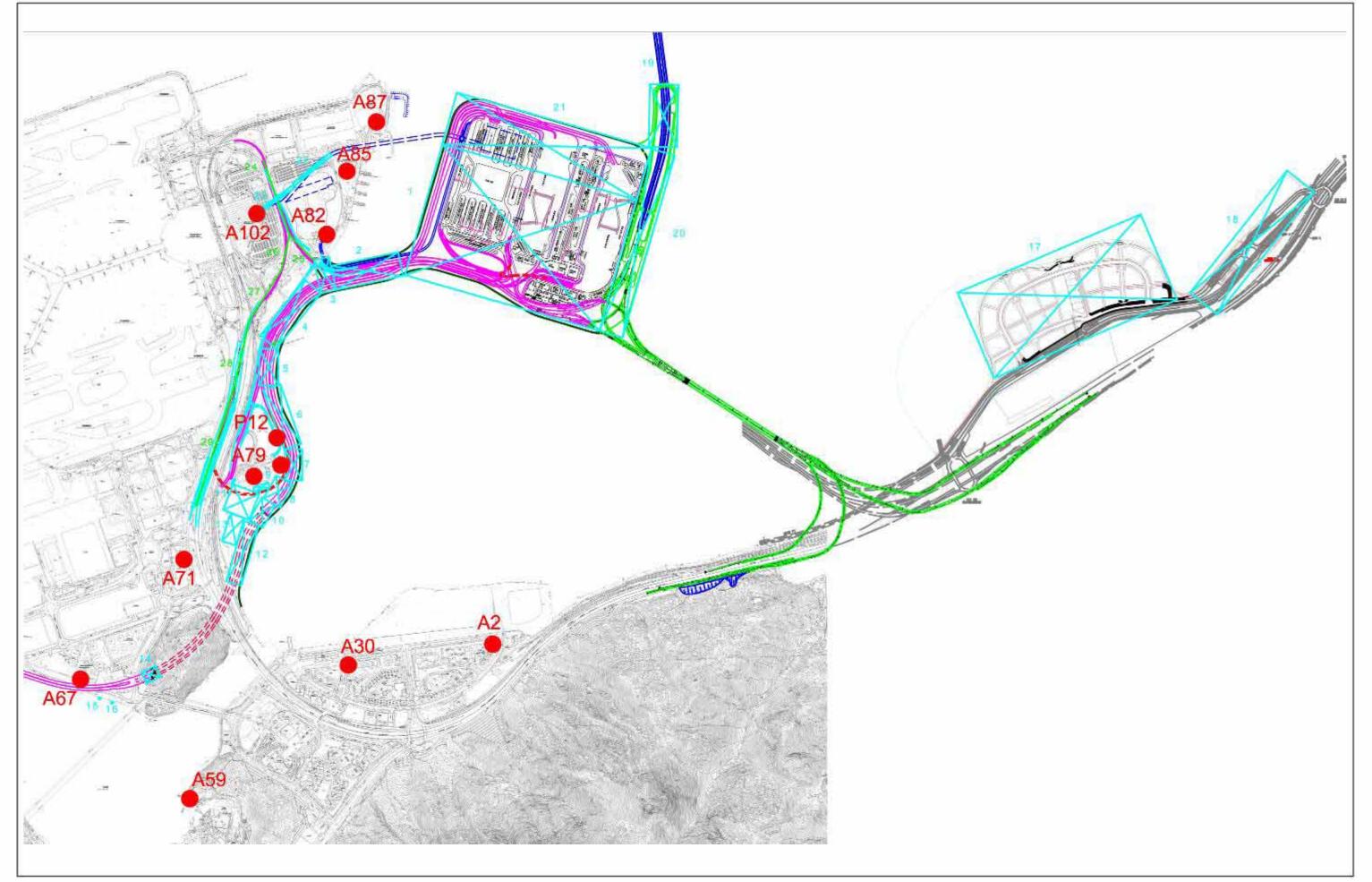








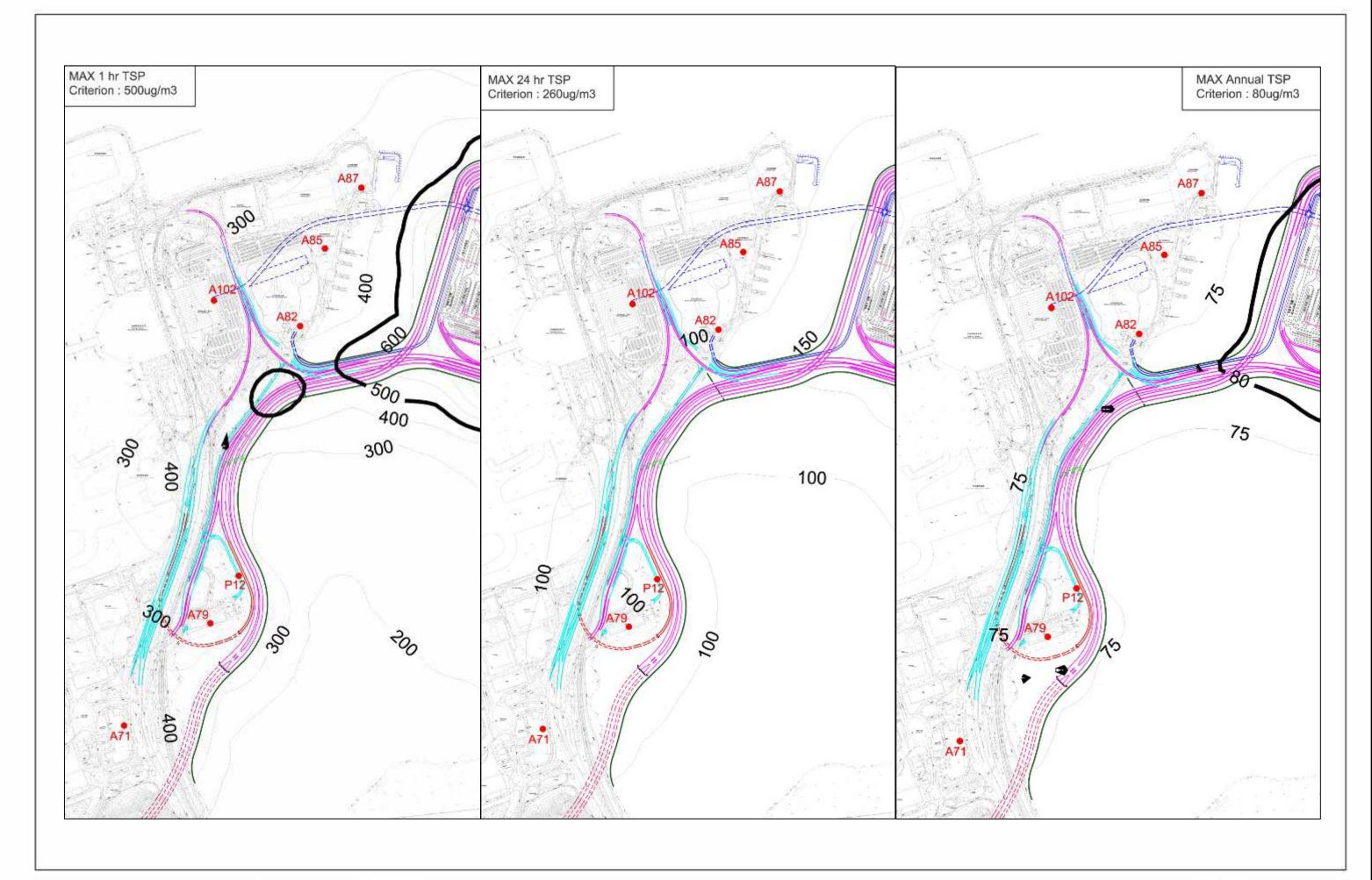
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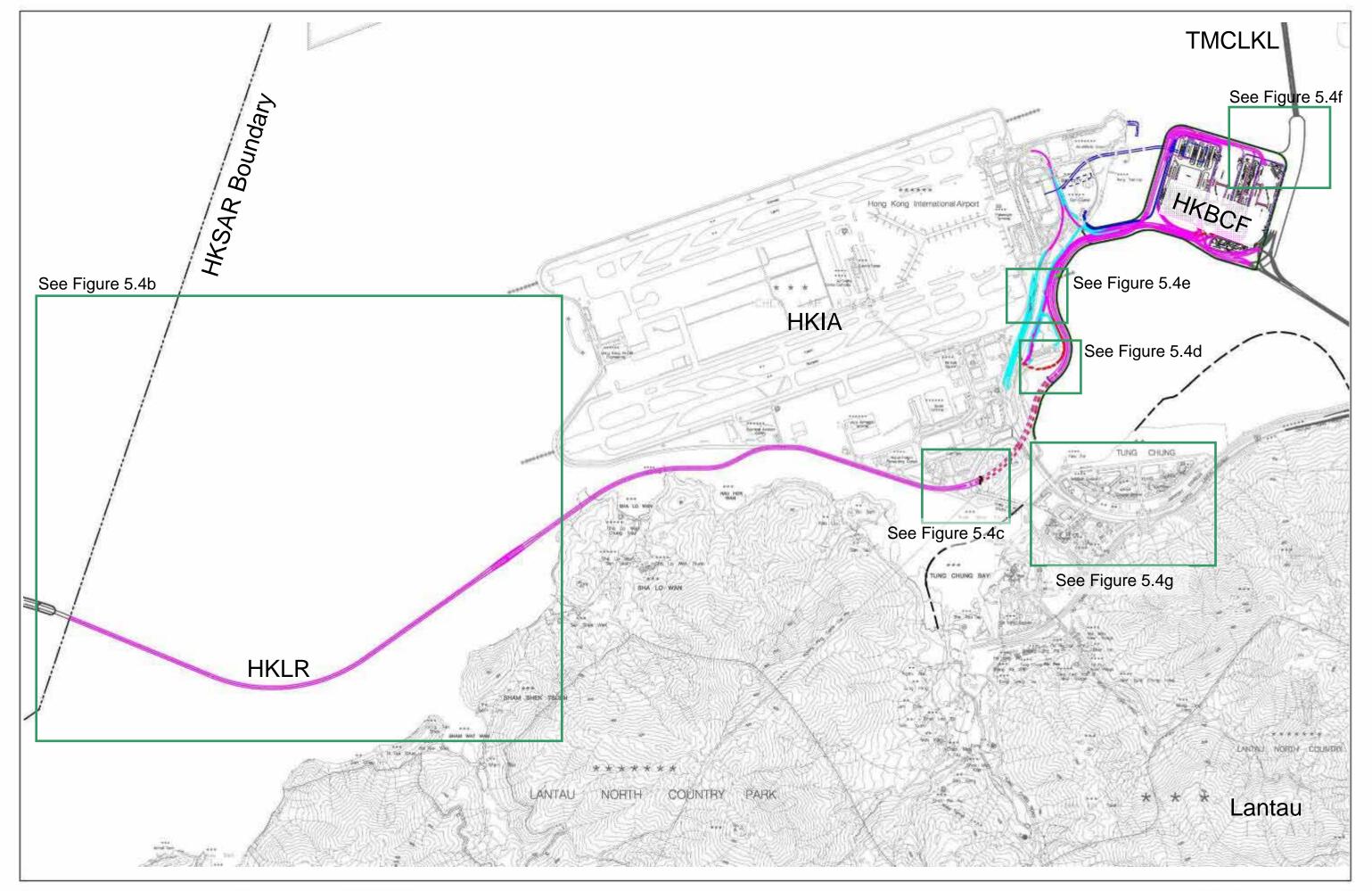


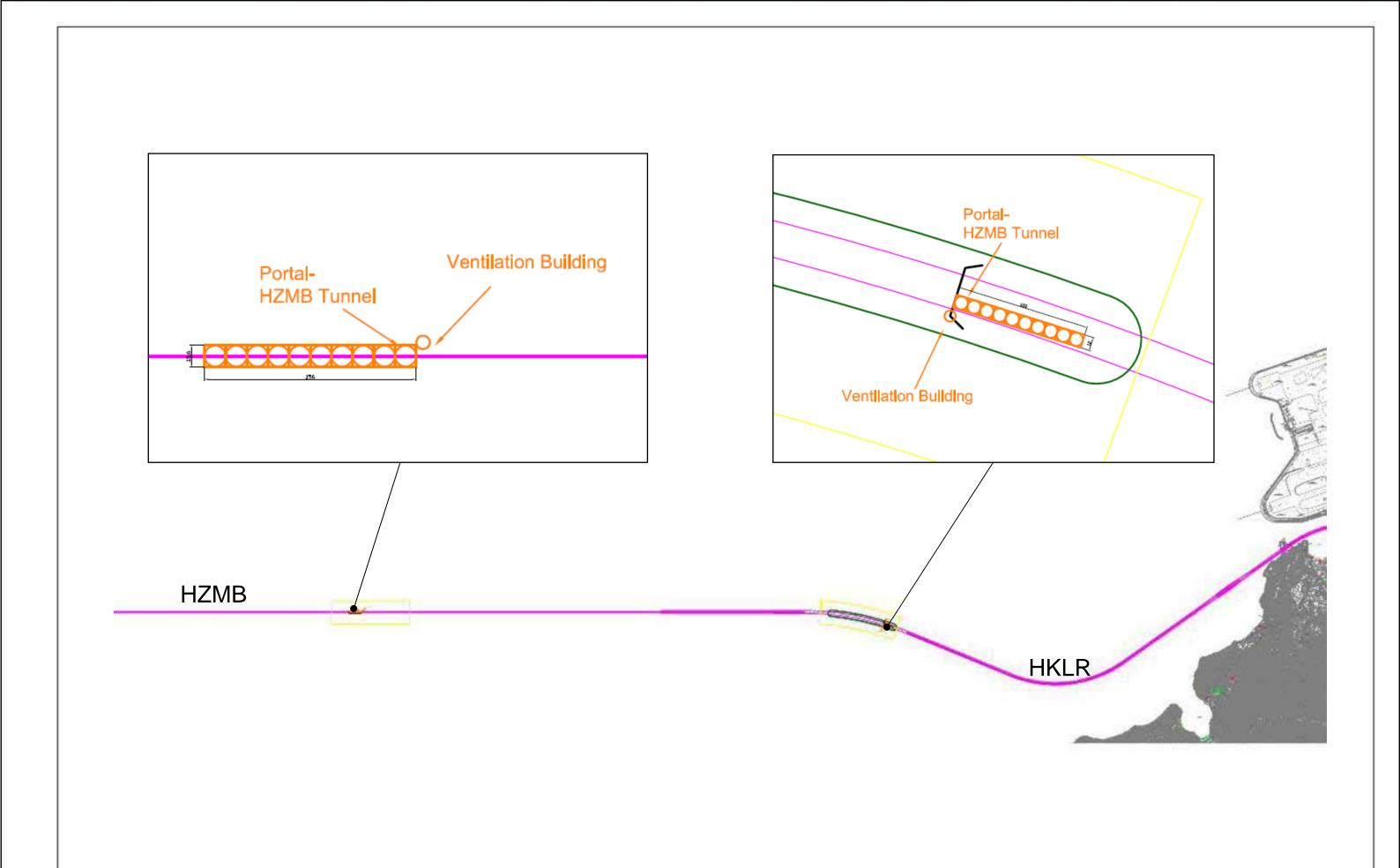




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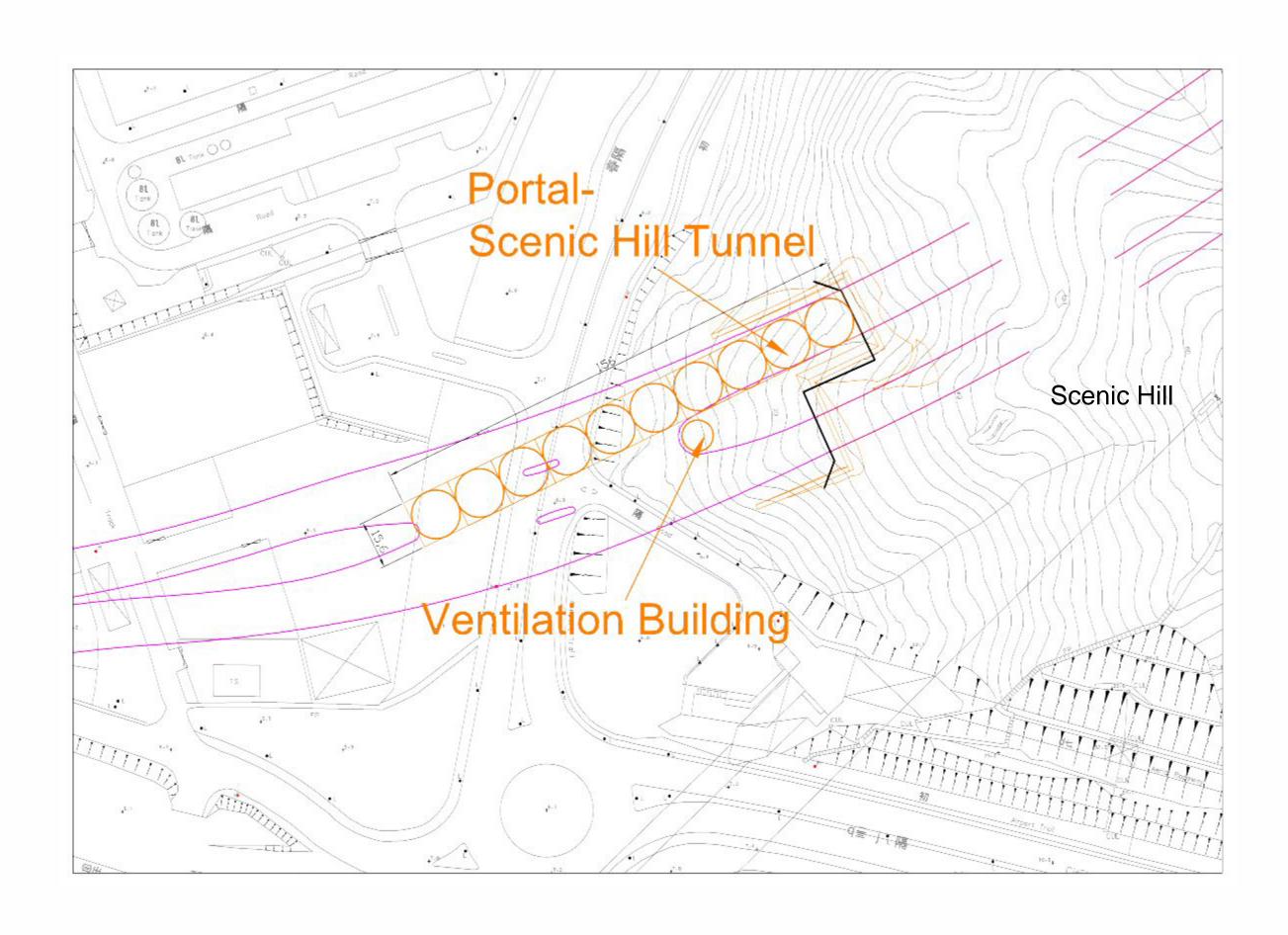




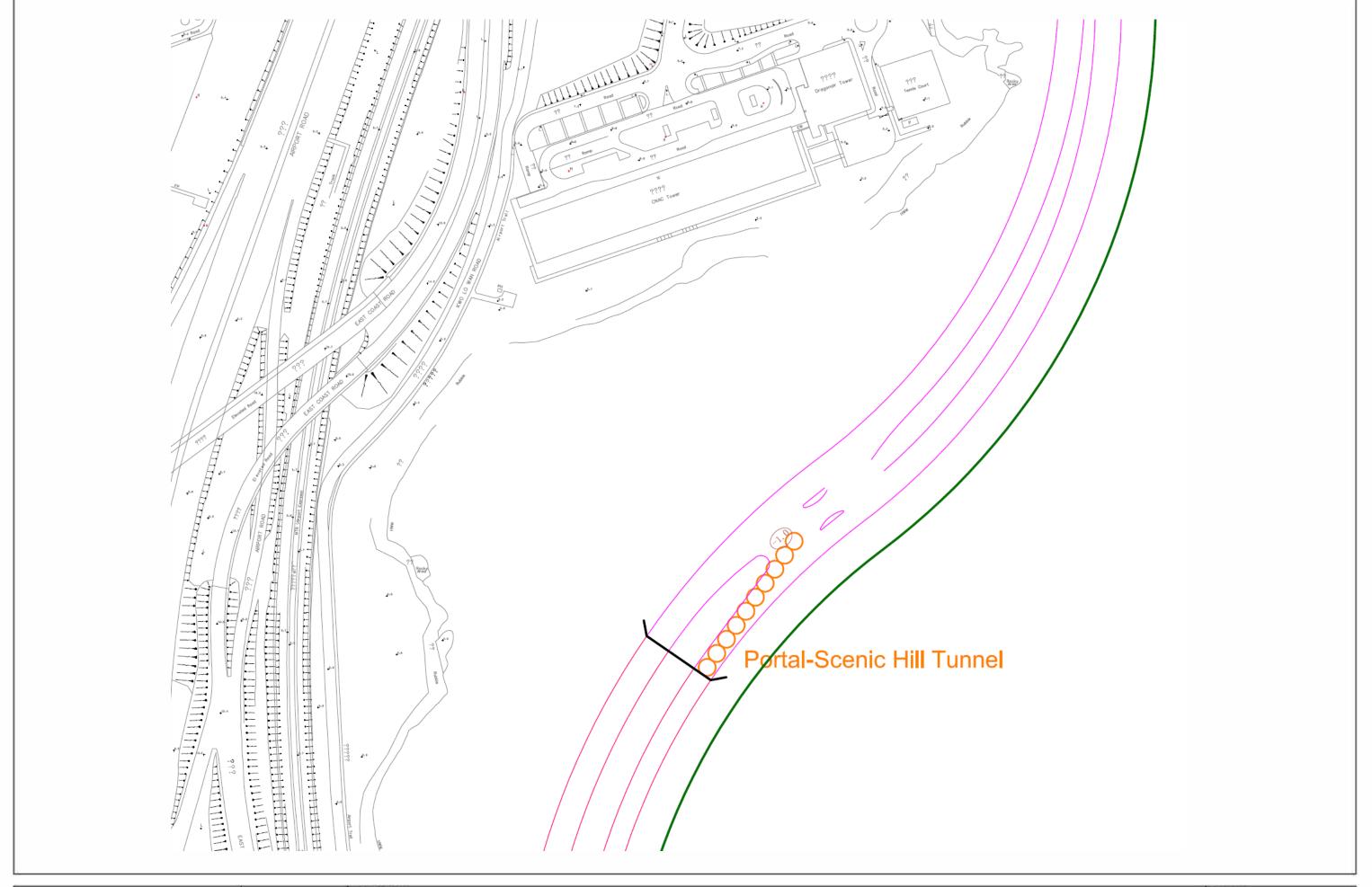


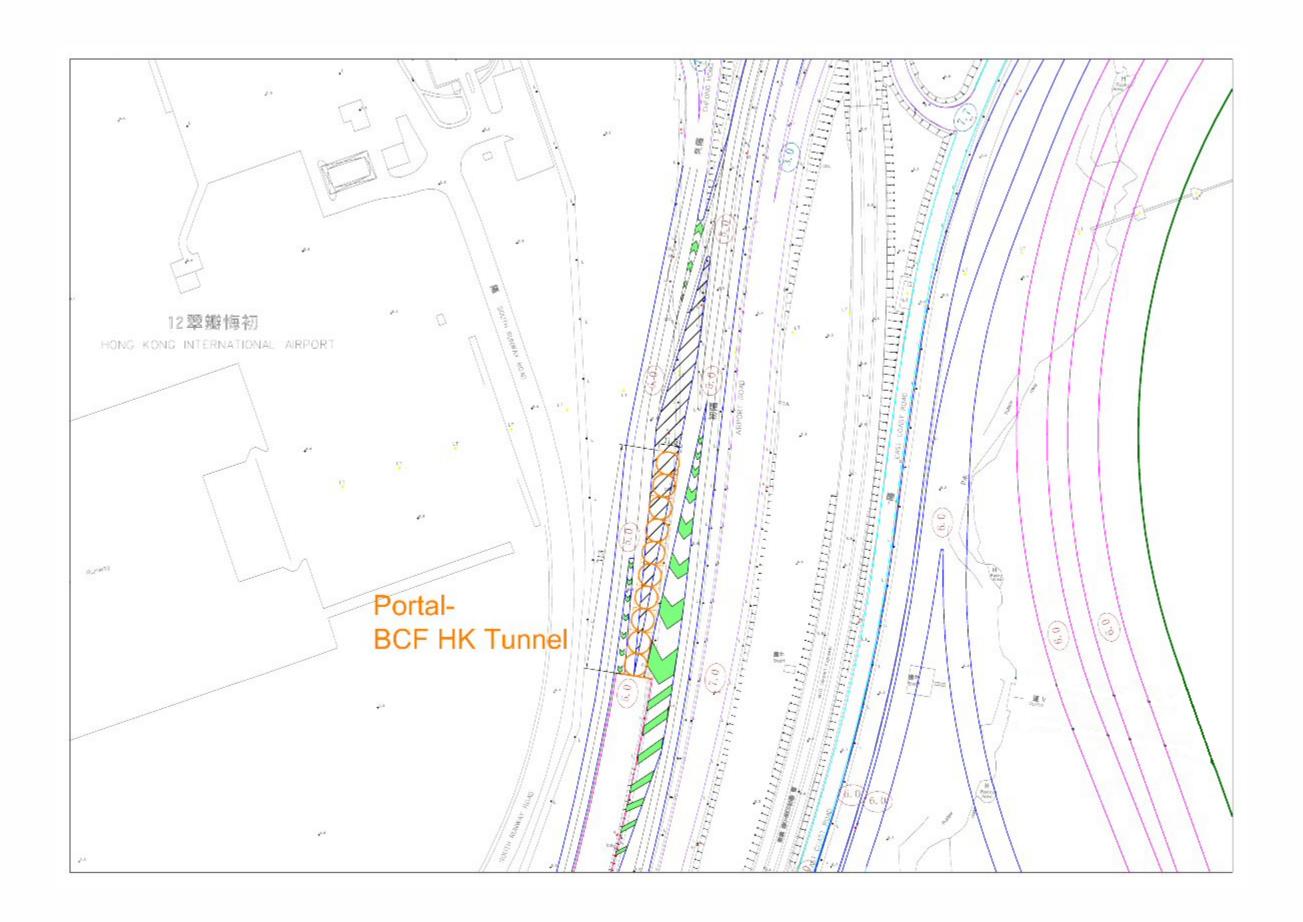


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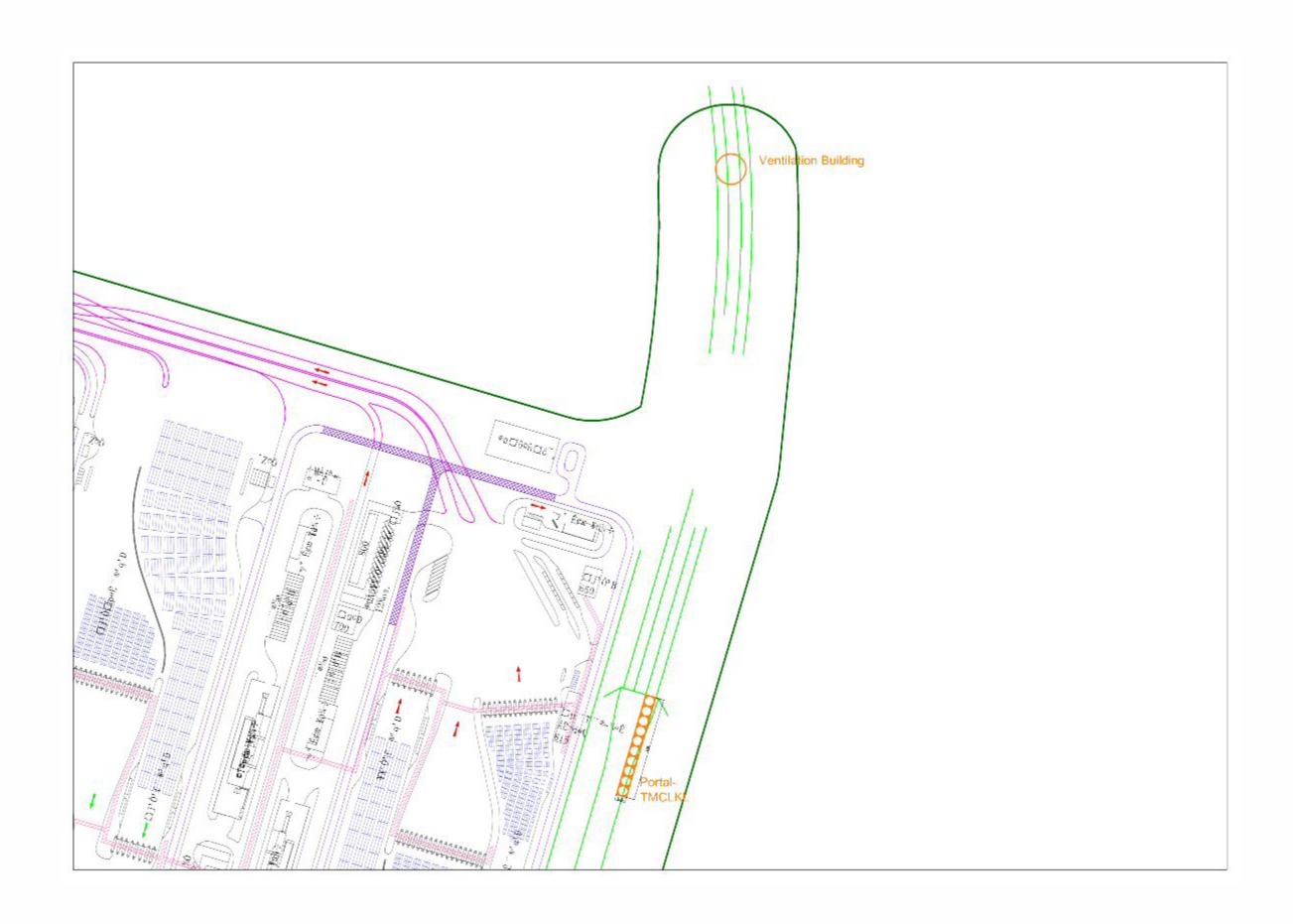




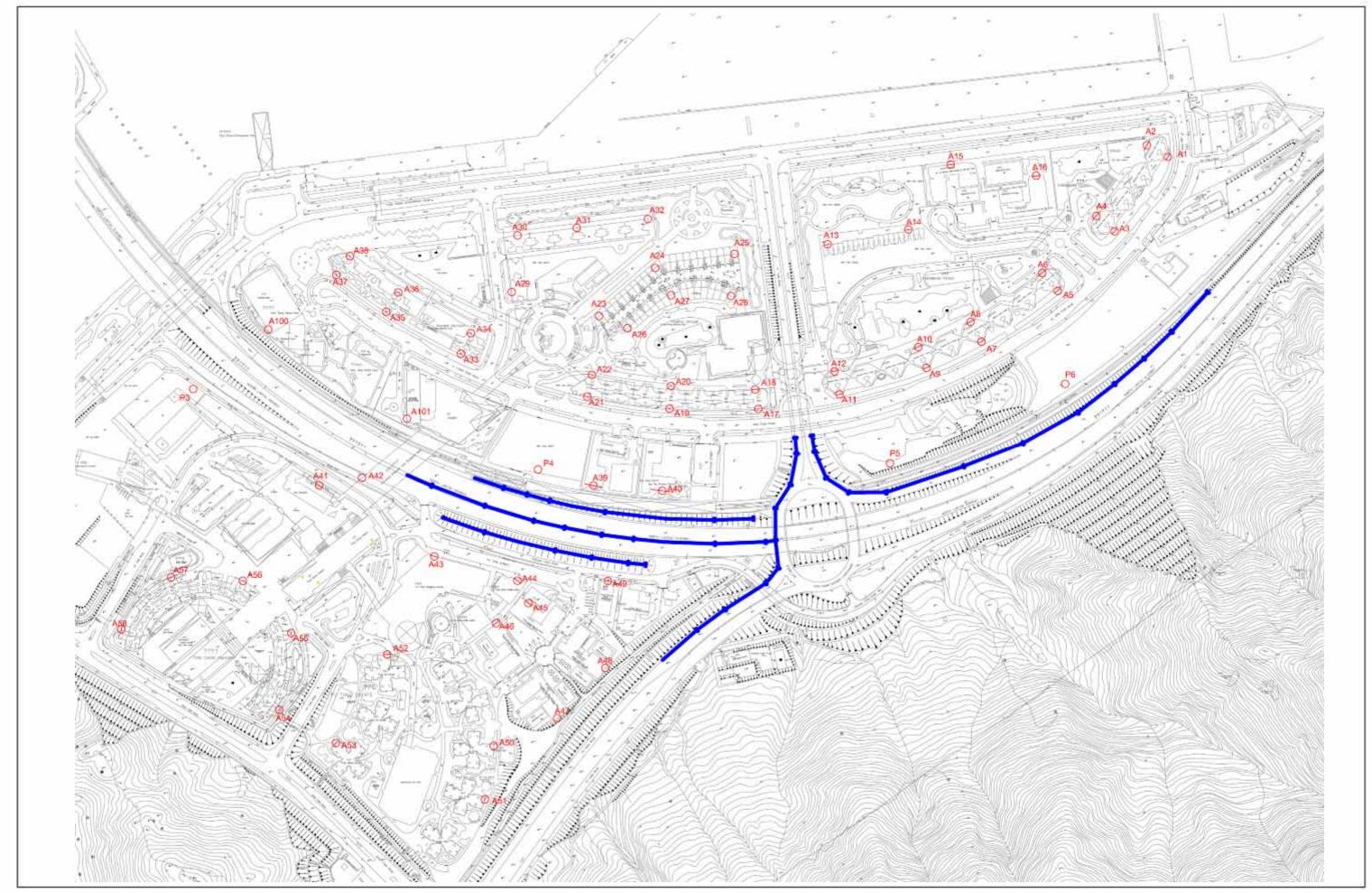


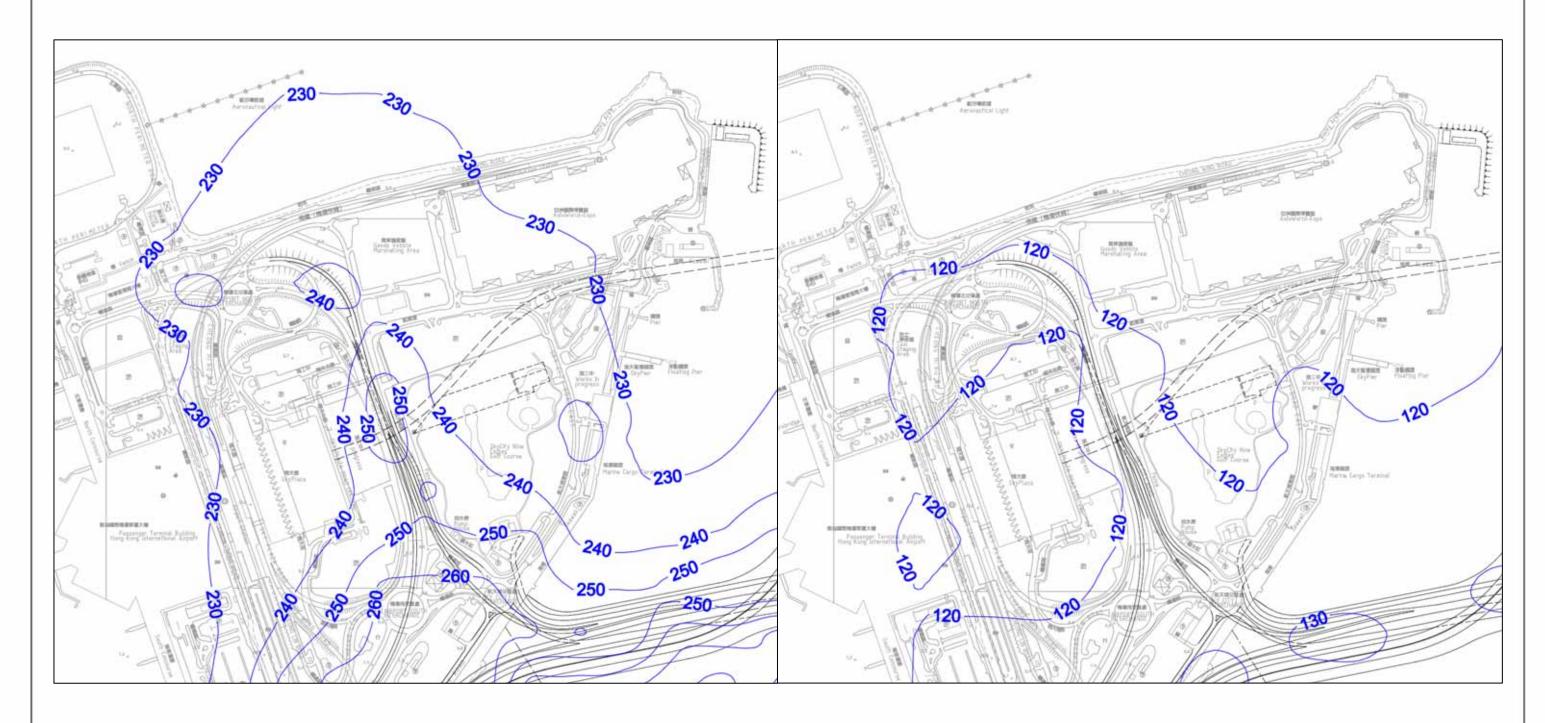








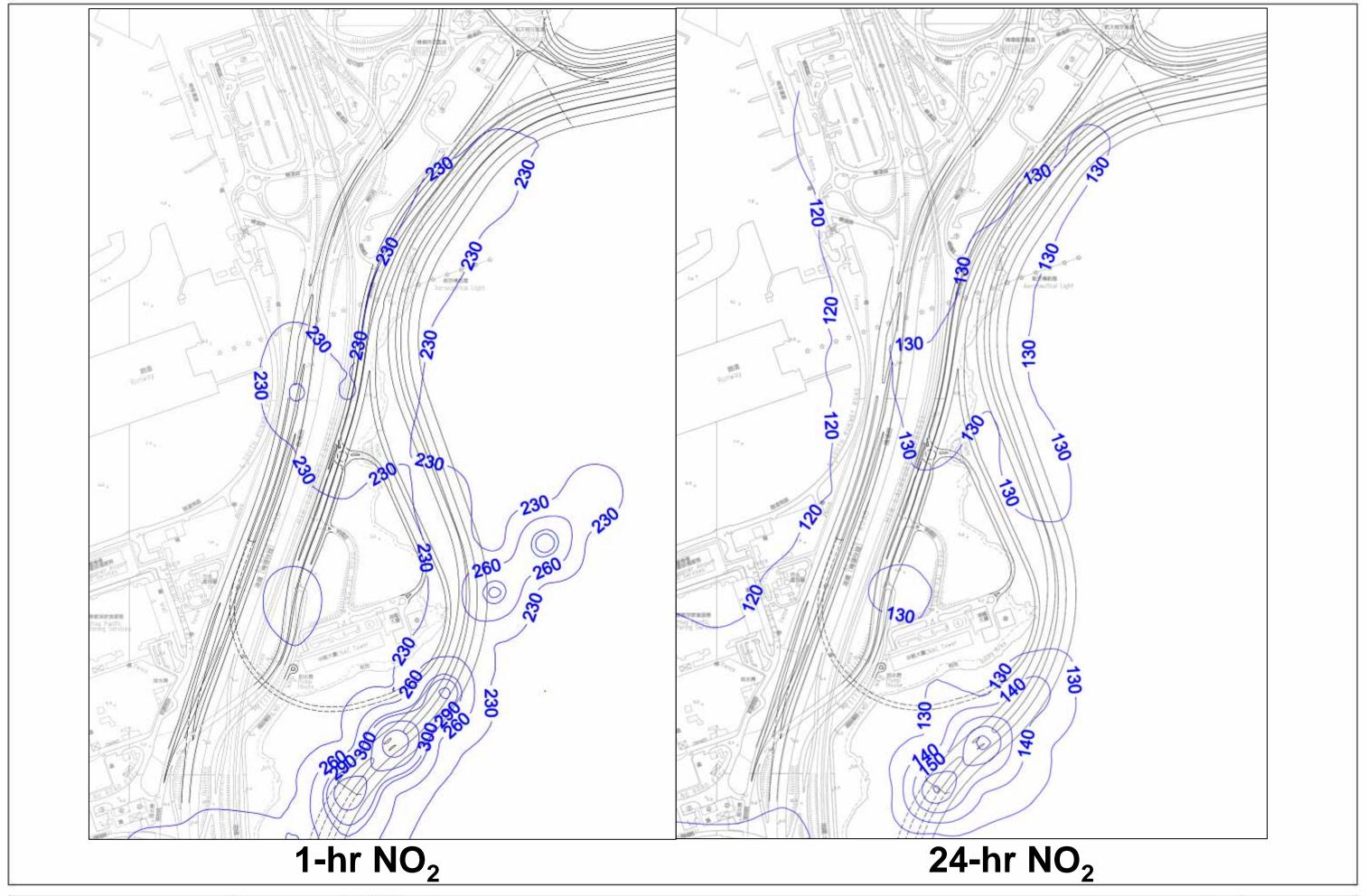


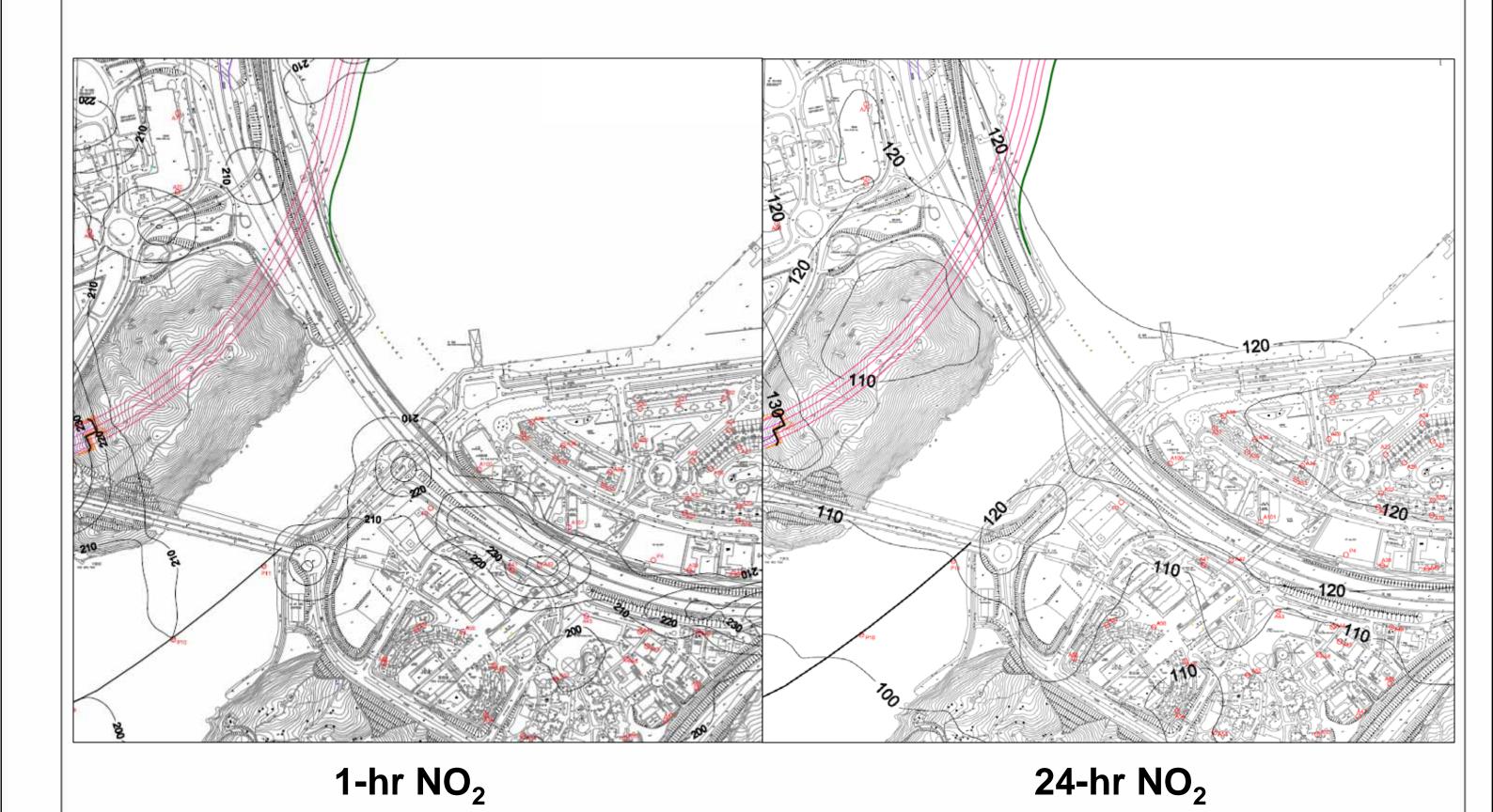


1-hr NO<sub>2</sub>

**24-hr NO**<sub>2</sub>









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