

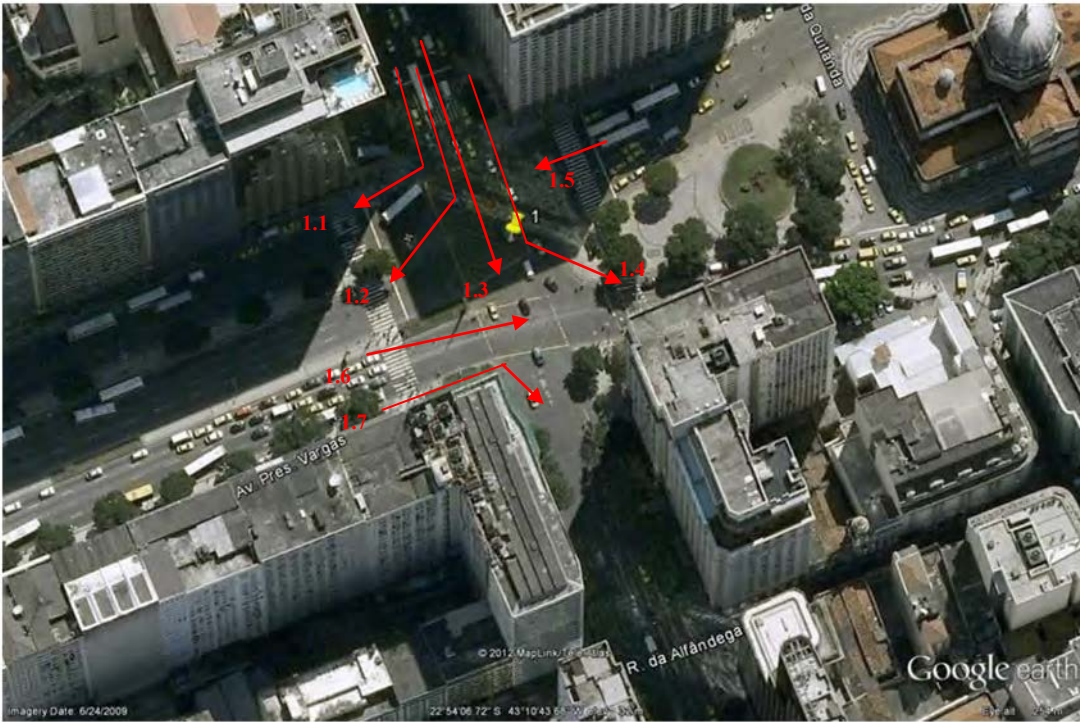
APÊNDICE 7

Resultado das Pesquisas de Tráfego no Rio de Janeiro

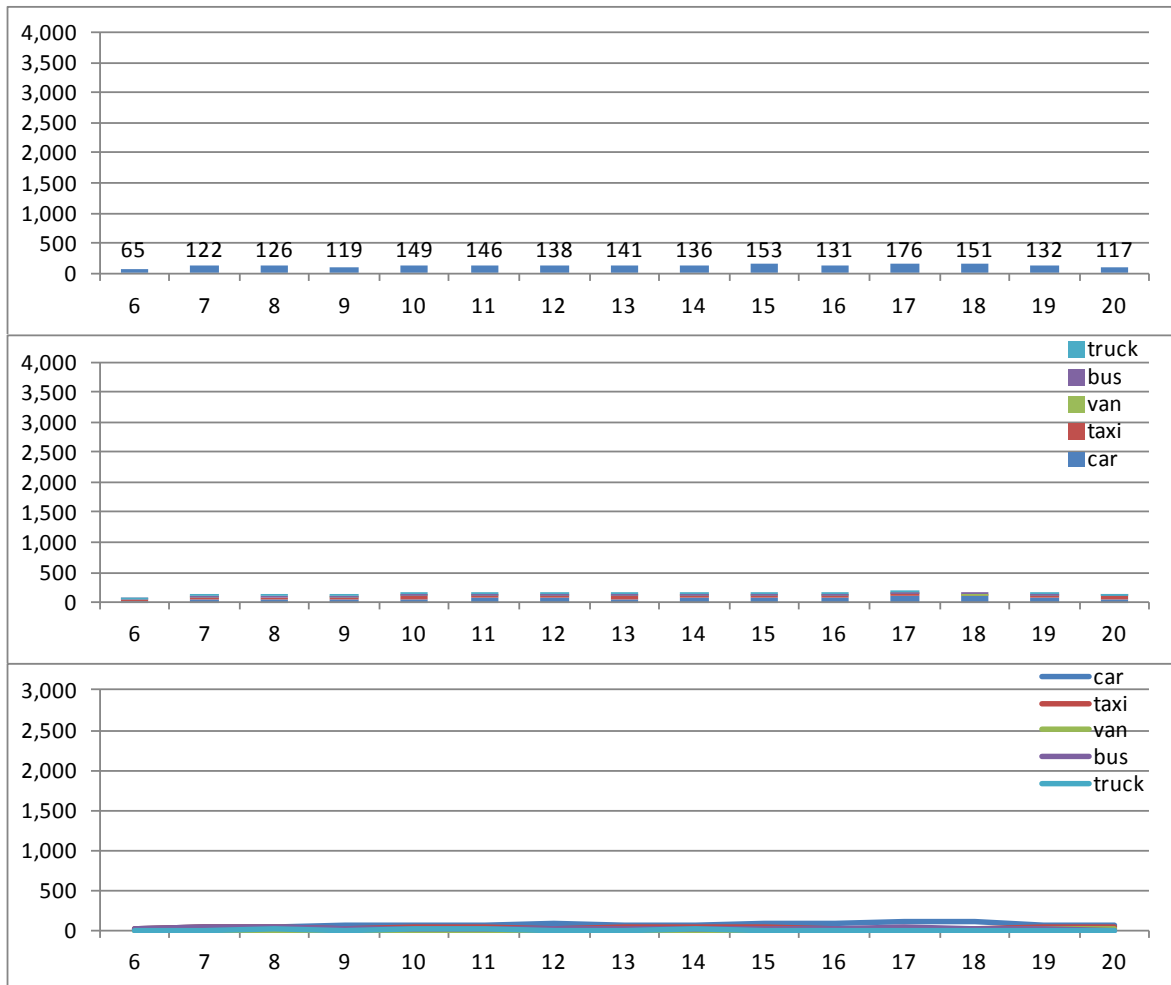
Os Dados da Contagem de Tráfego

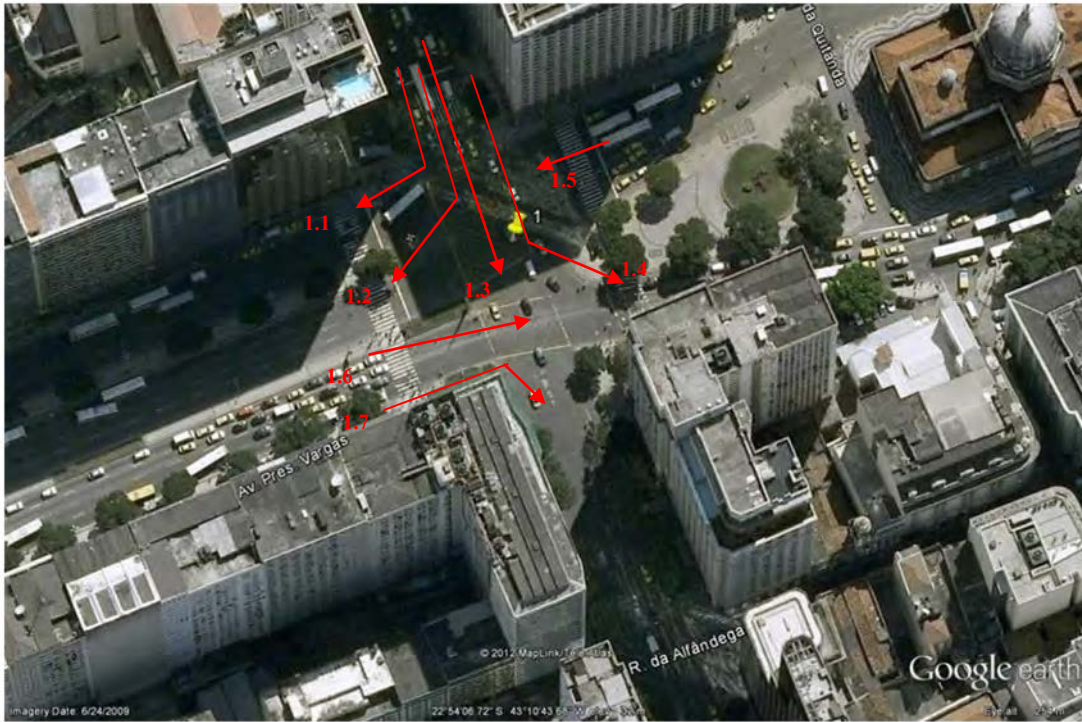
- 1) Durante a Semana (7 de Agosto)

i) Av. Presidente Vargas - Av. Rio Branco

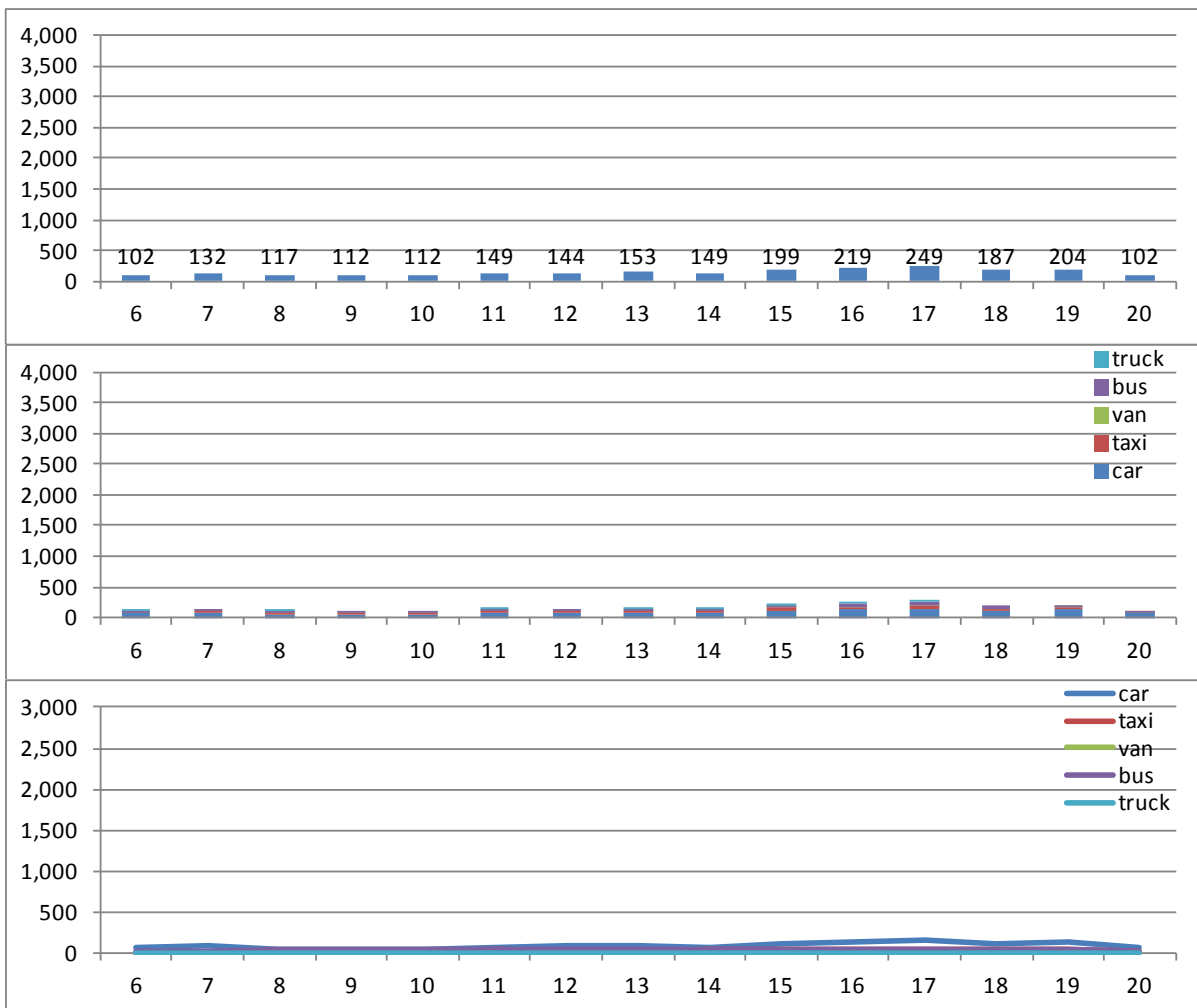


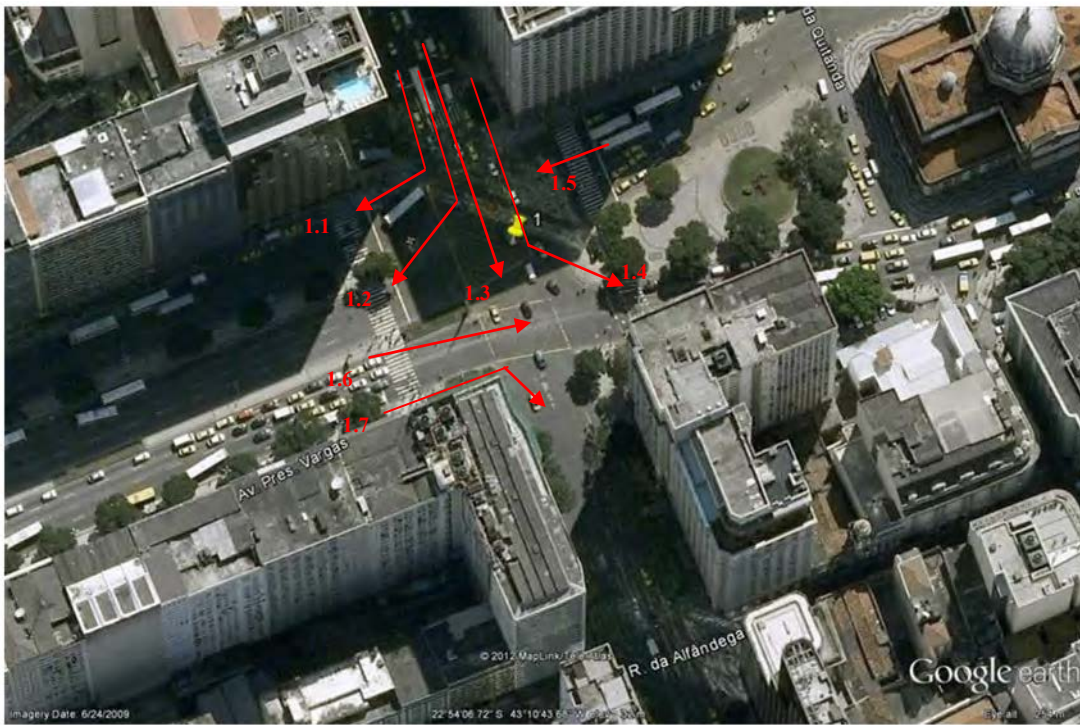
Flow 1.1



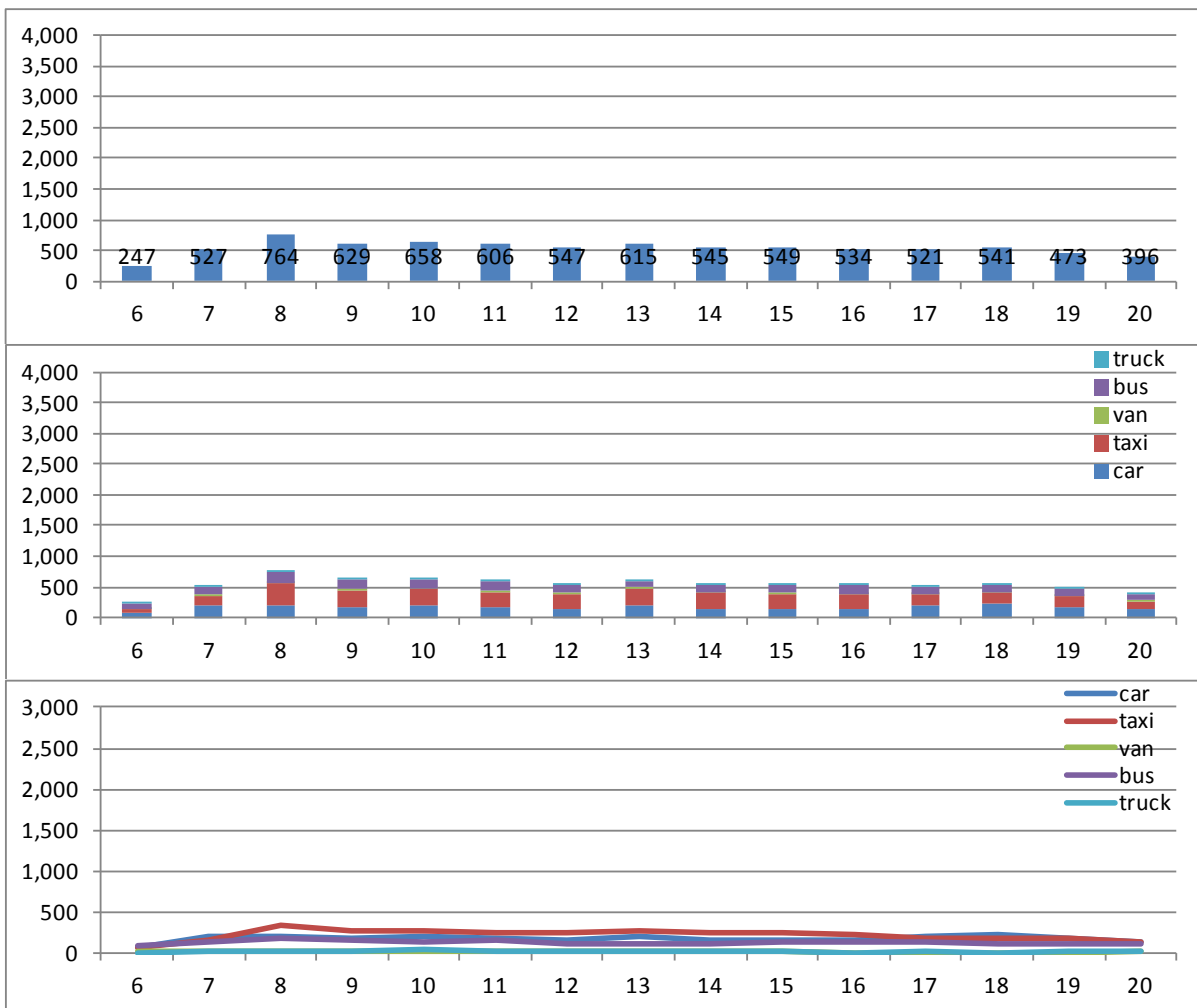


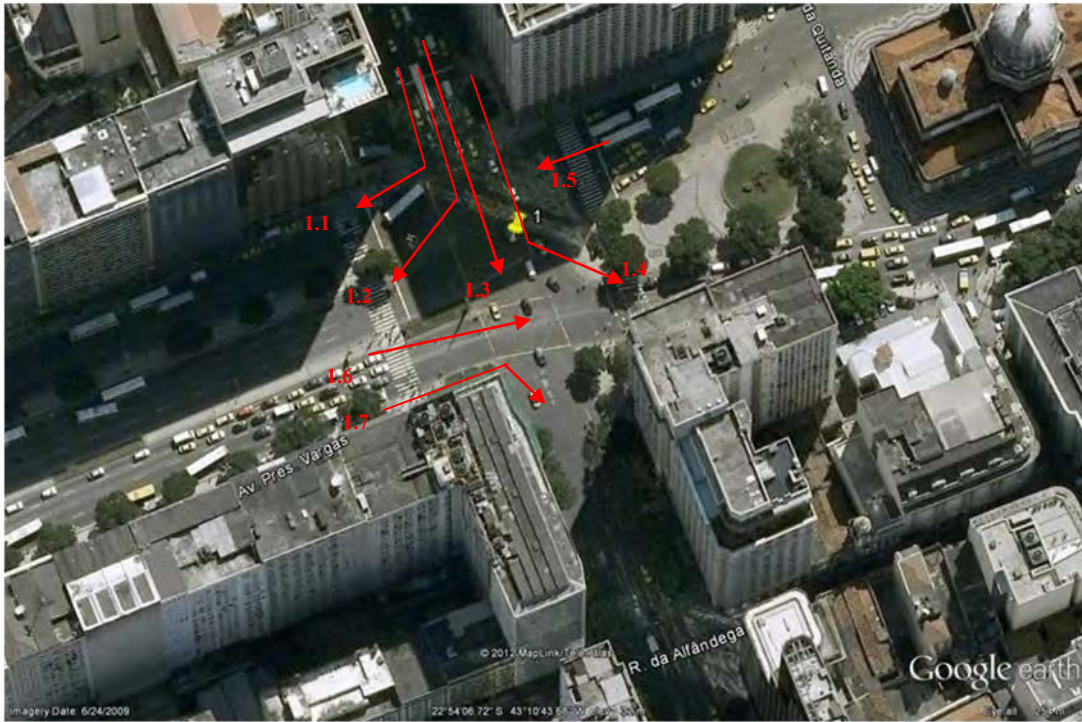
Flow 1.2



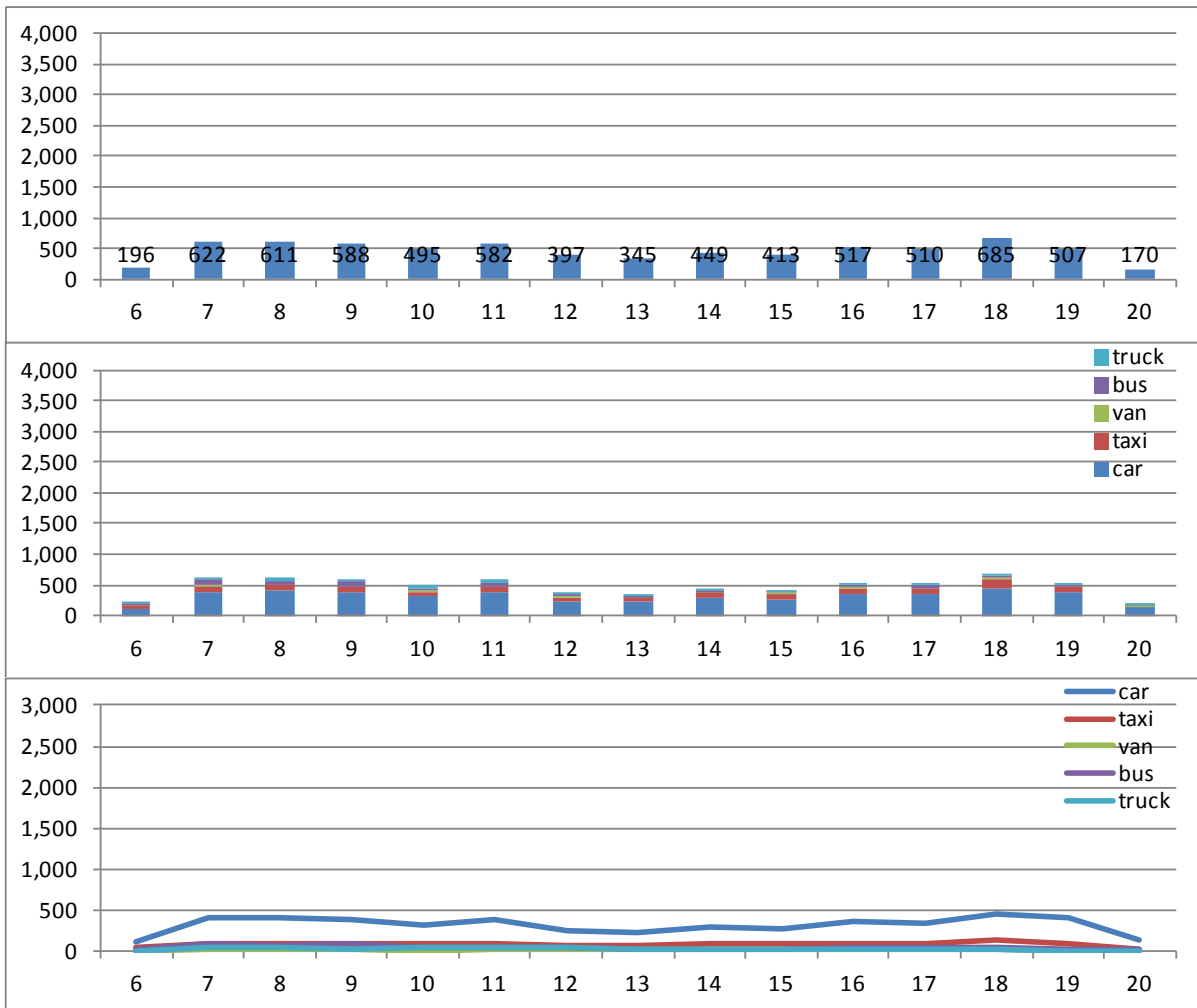


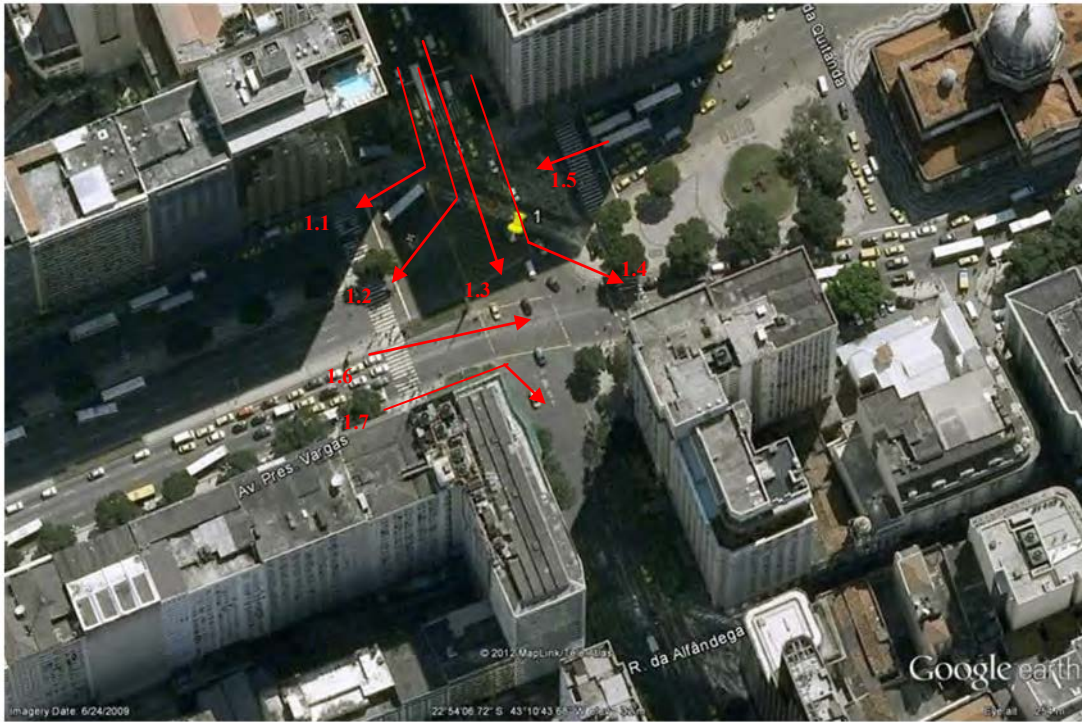
Flow 1.3



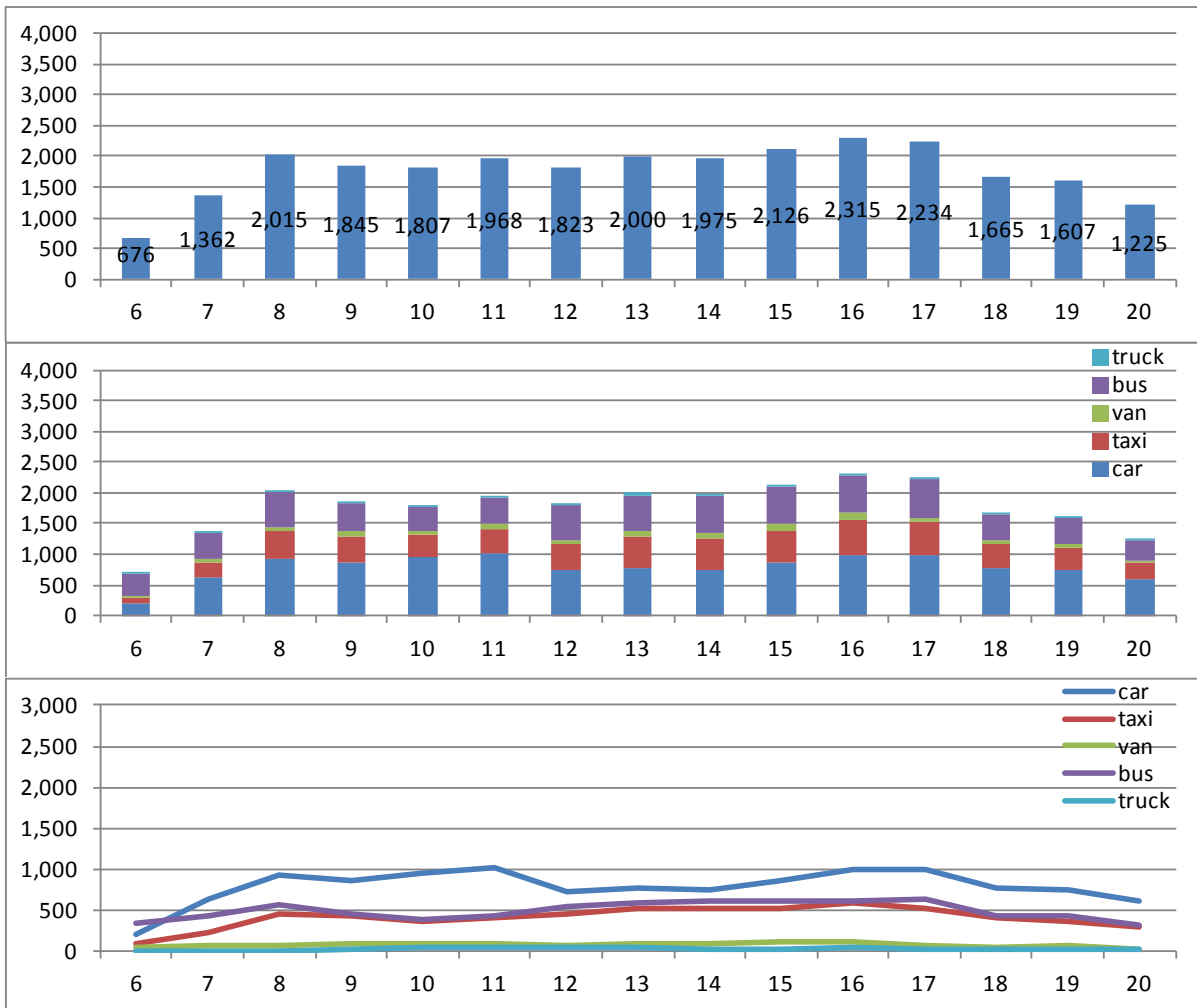


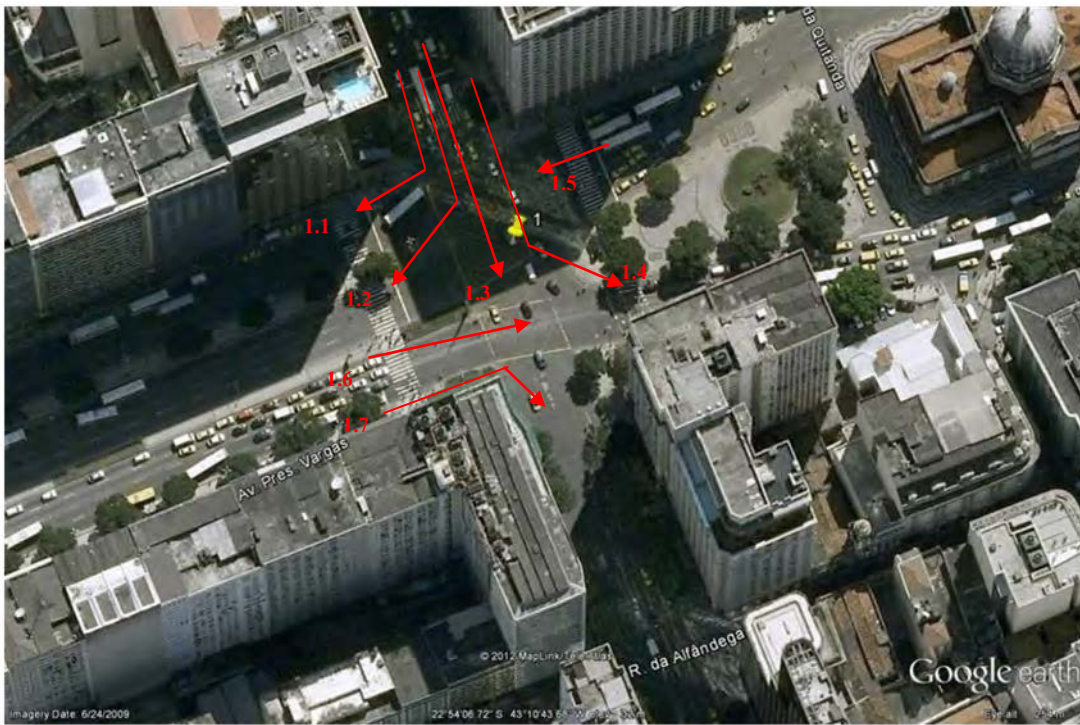
Flow 1.4



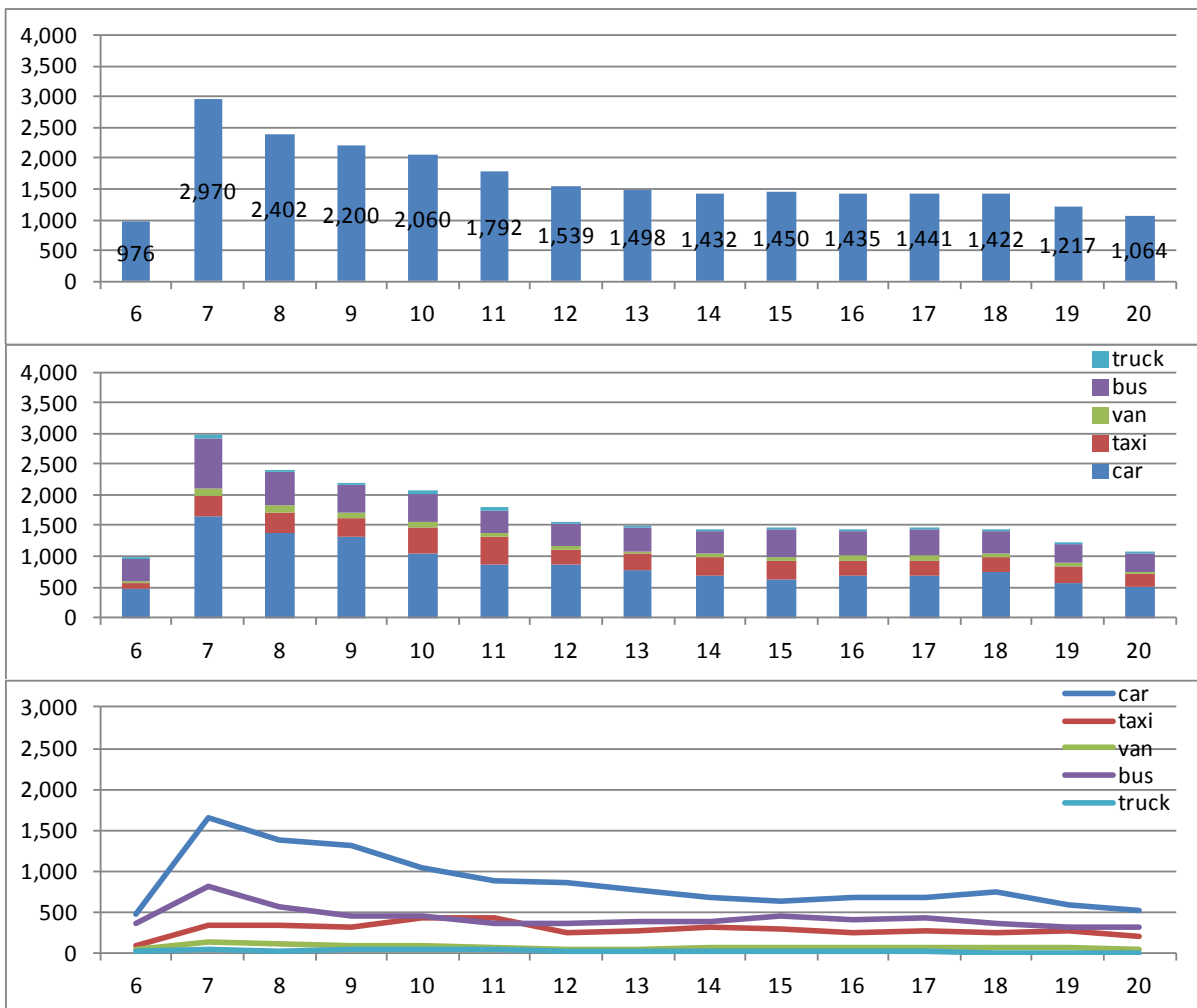


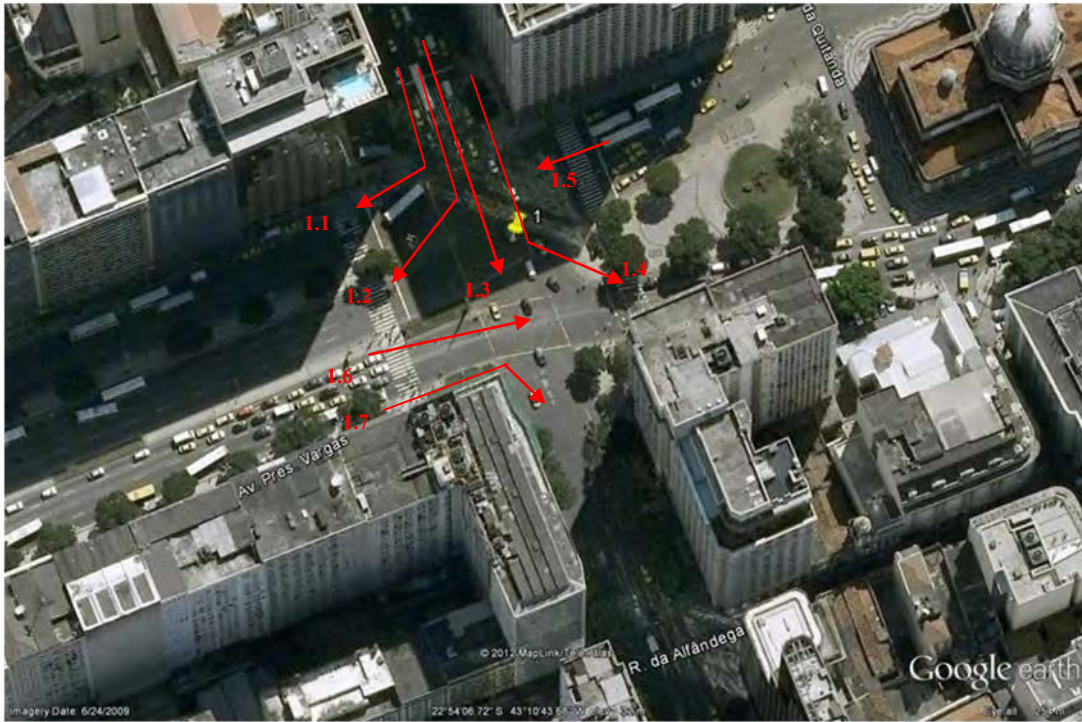
Flow 1.5



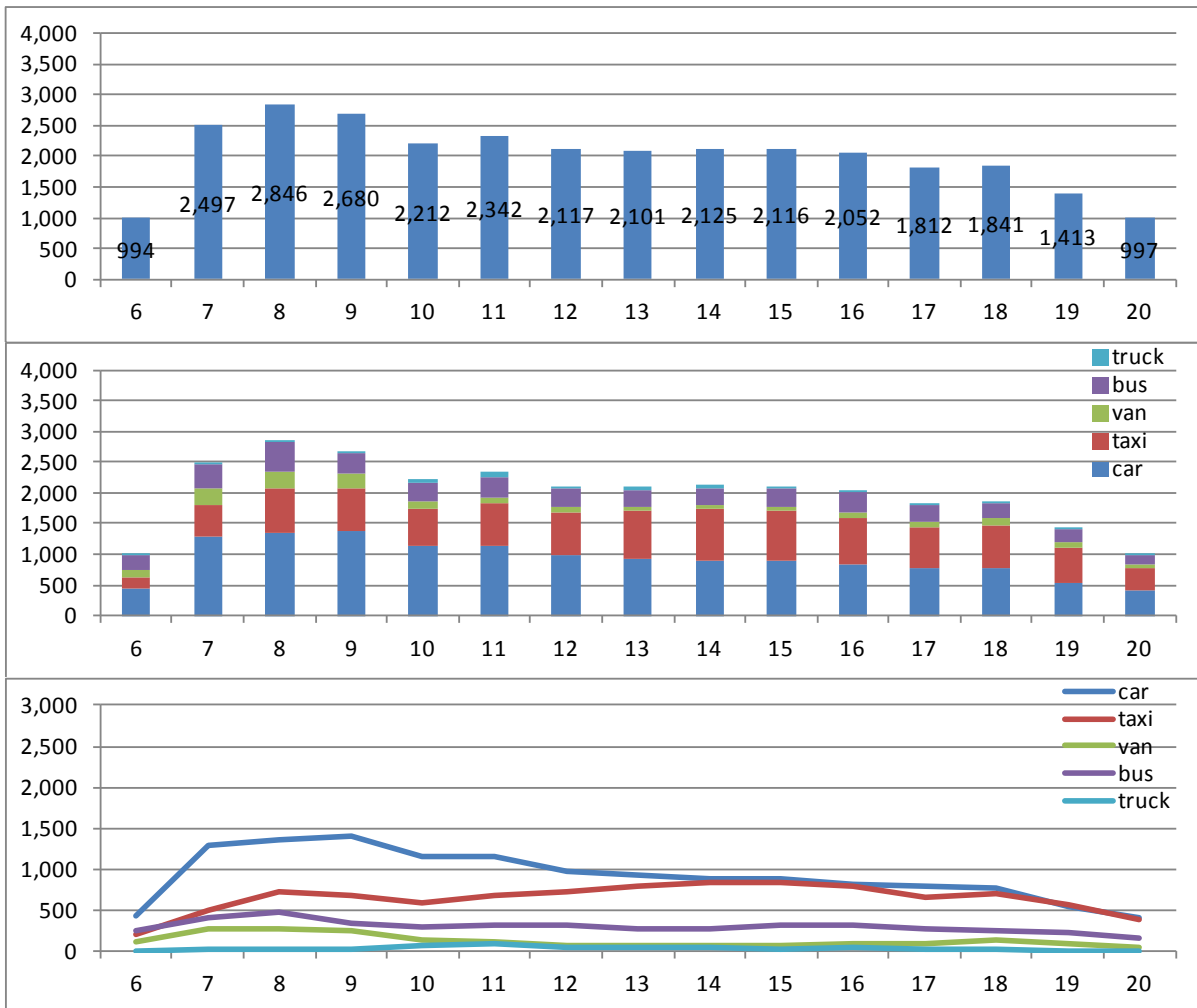


Flow 1.6

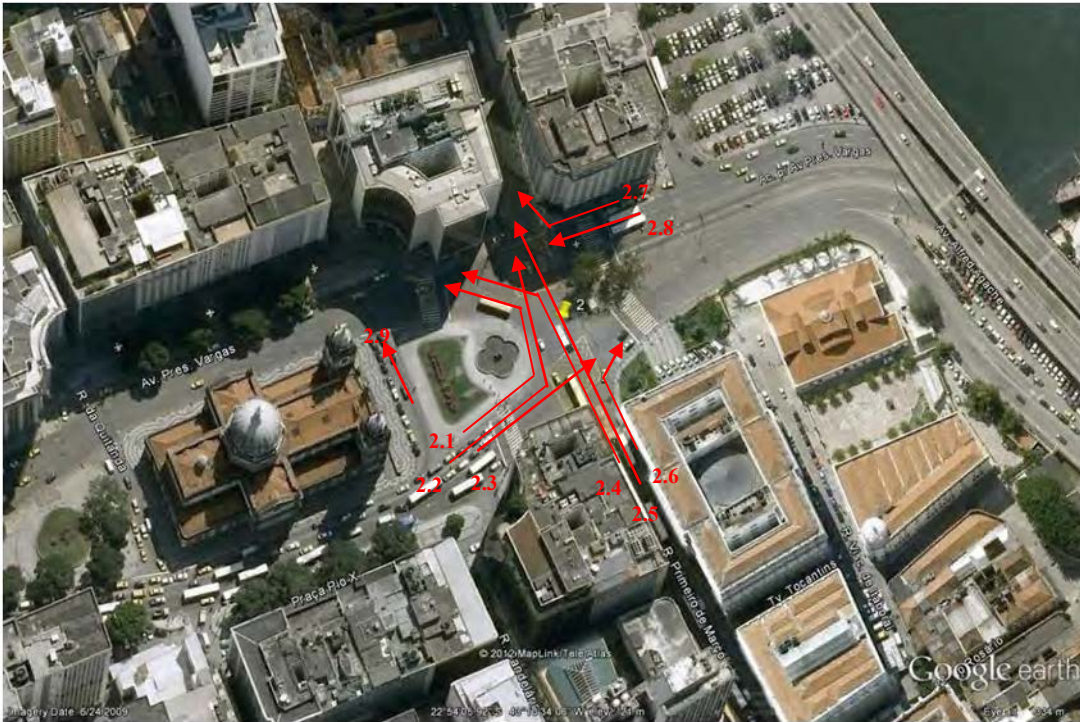




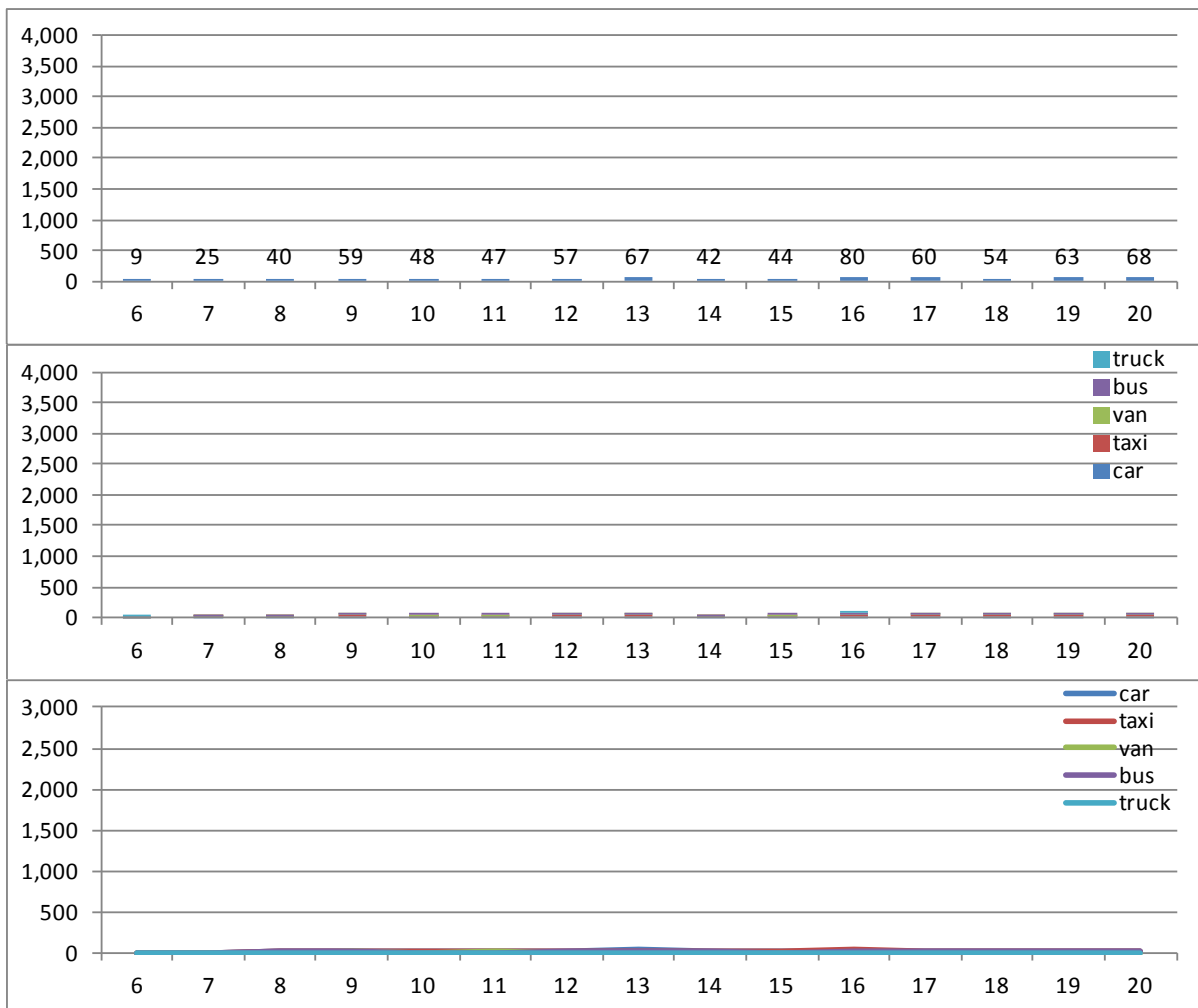
Flow 1.7

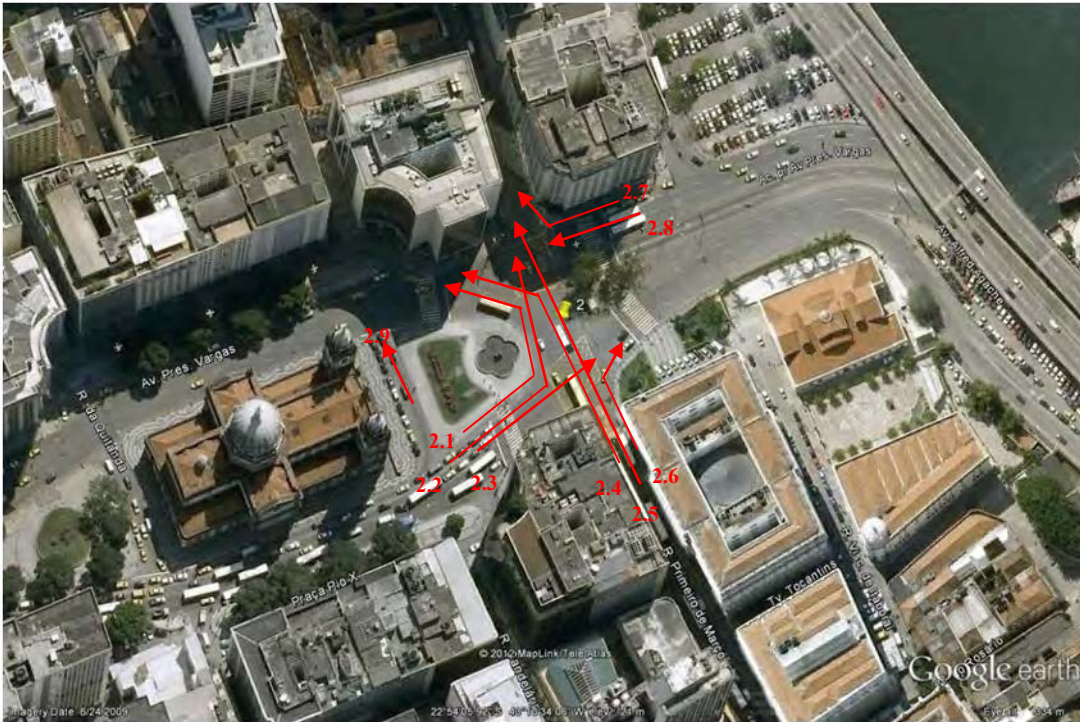


ii) Av. Presidente Vargas – R. Primeiro de Marco

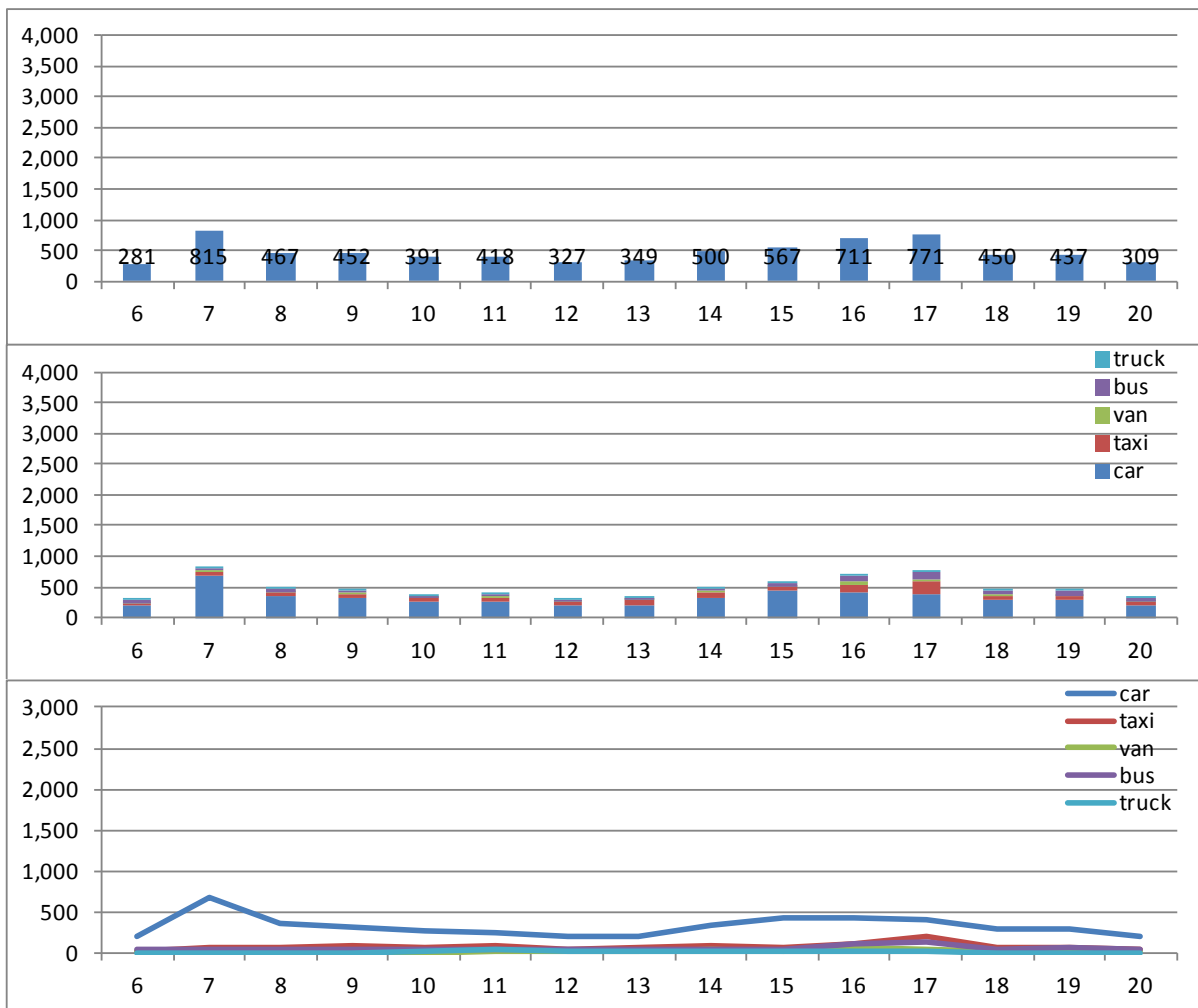


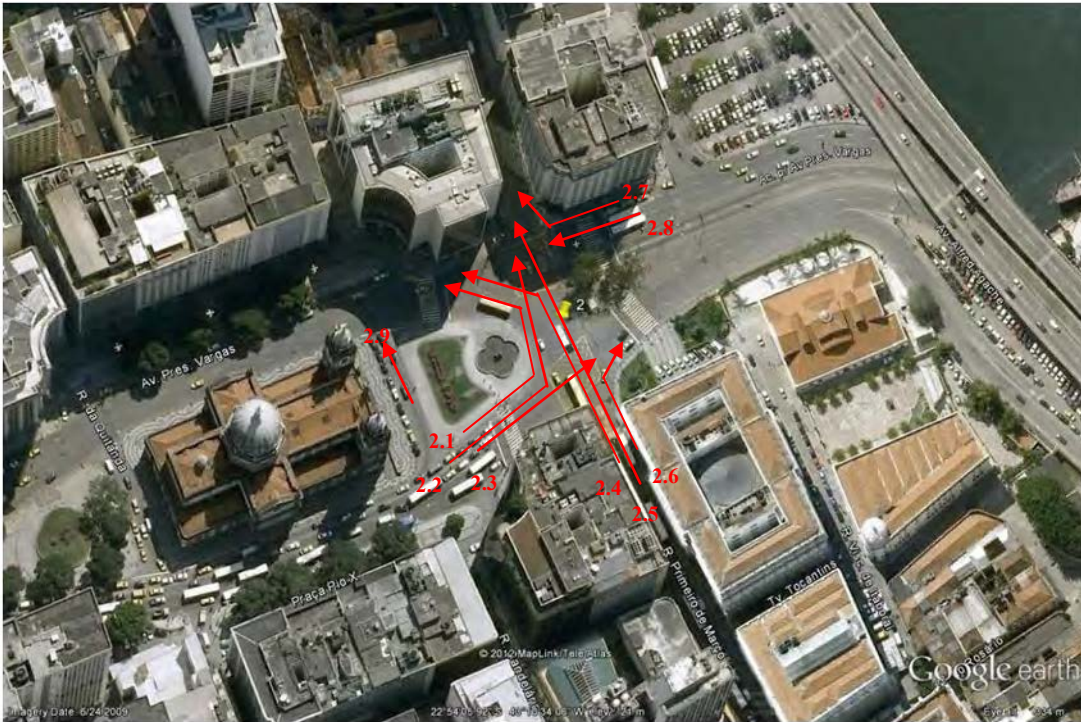
Flow 2.1



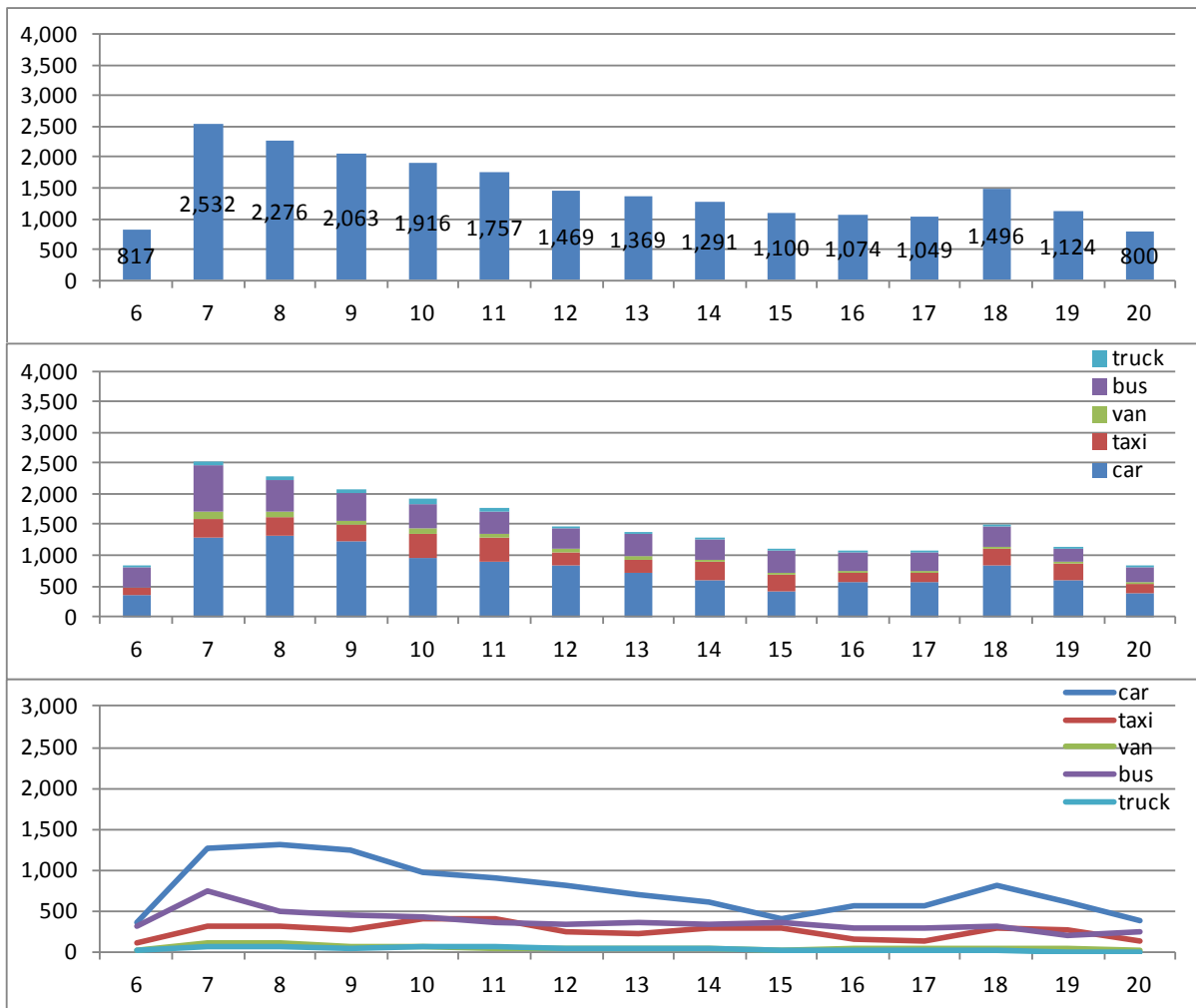


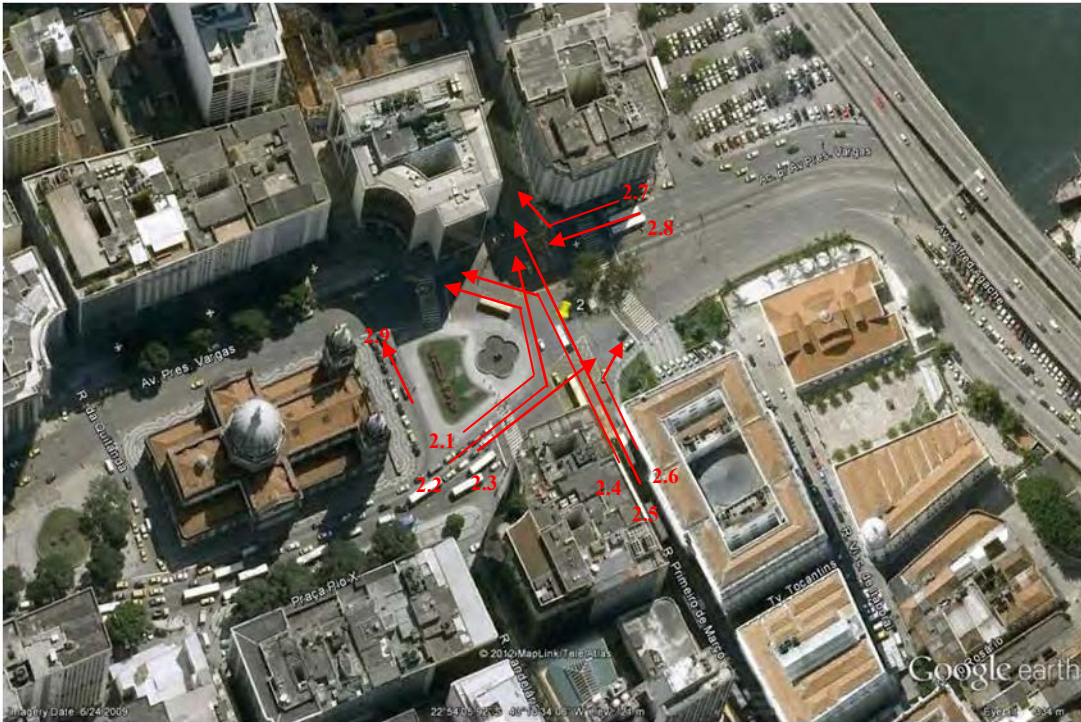
Flow 2.2



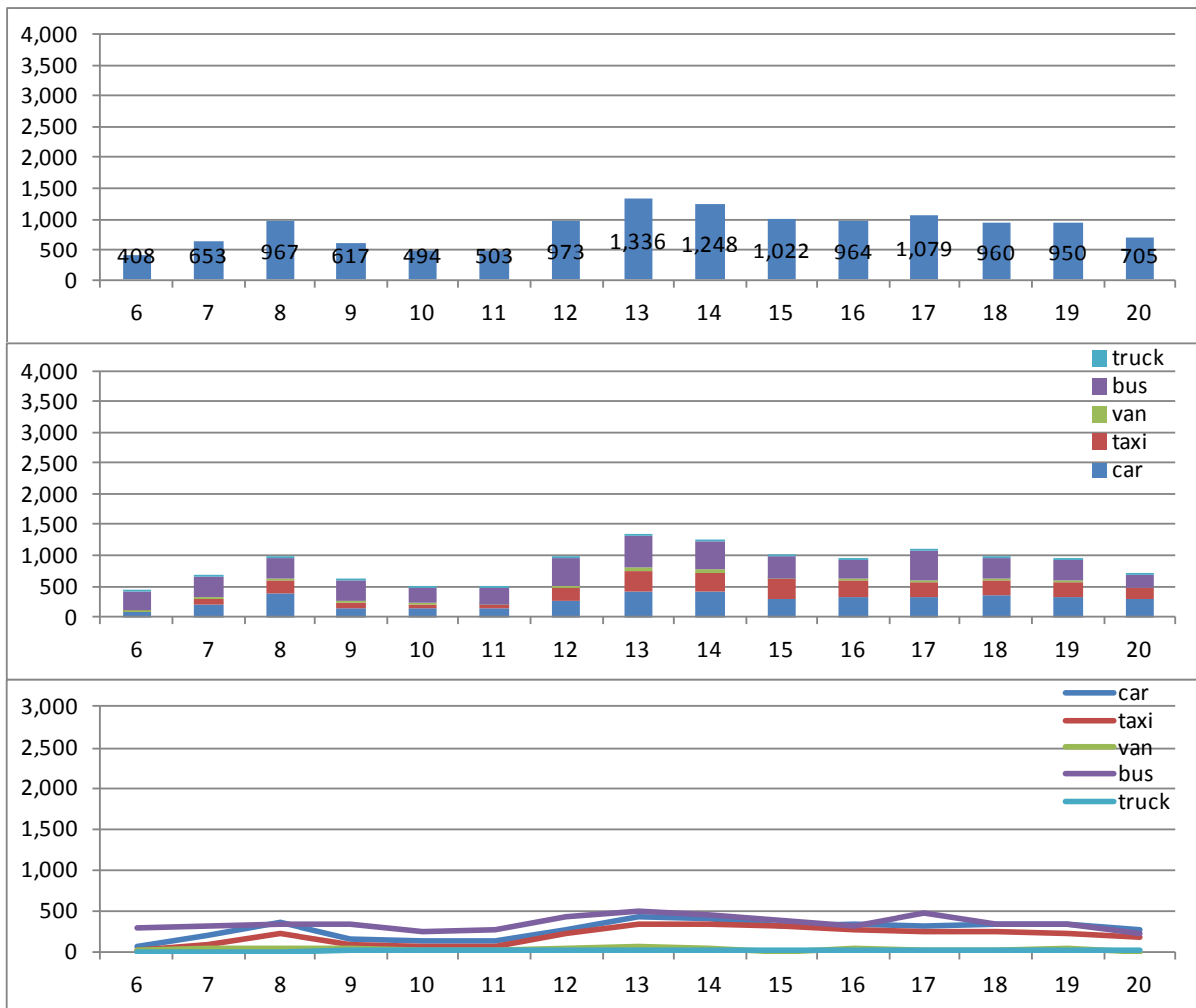


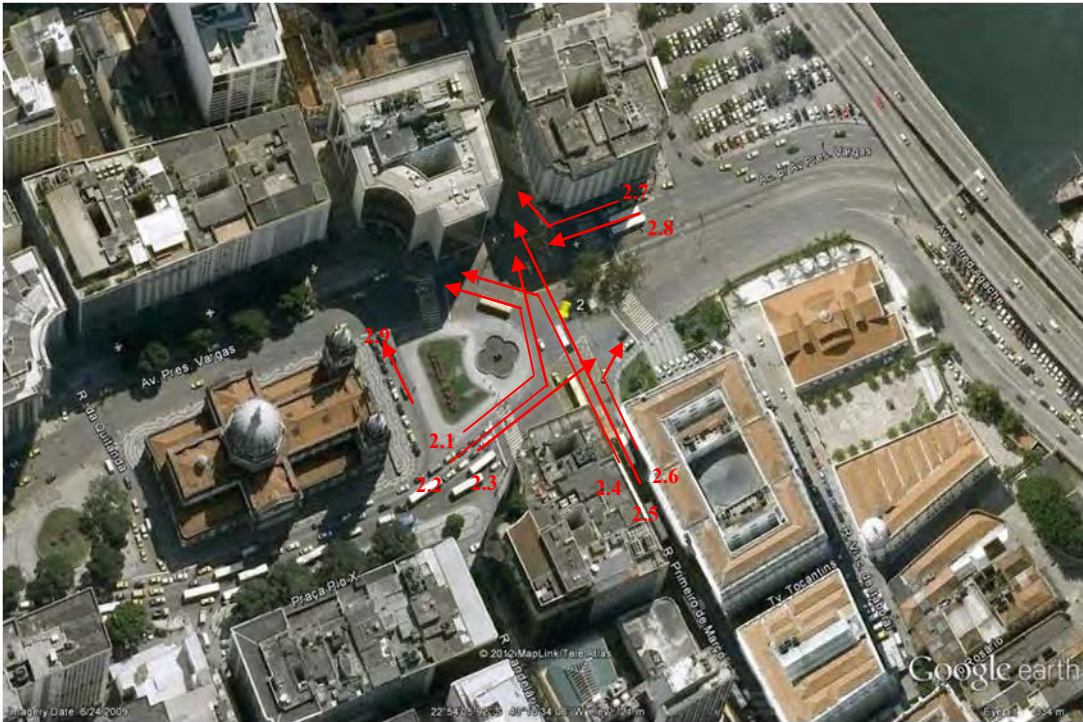
Flow 2.3



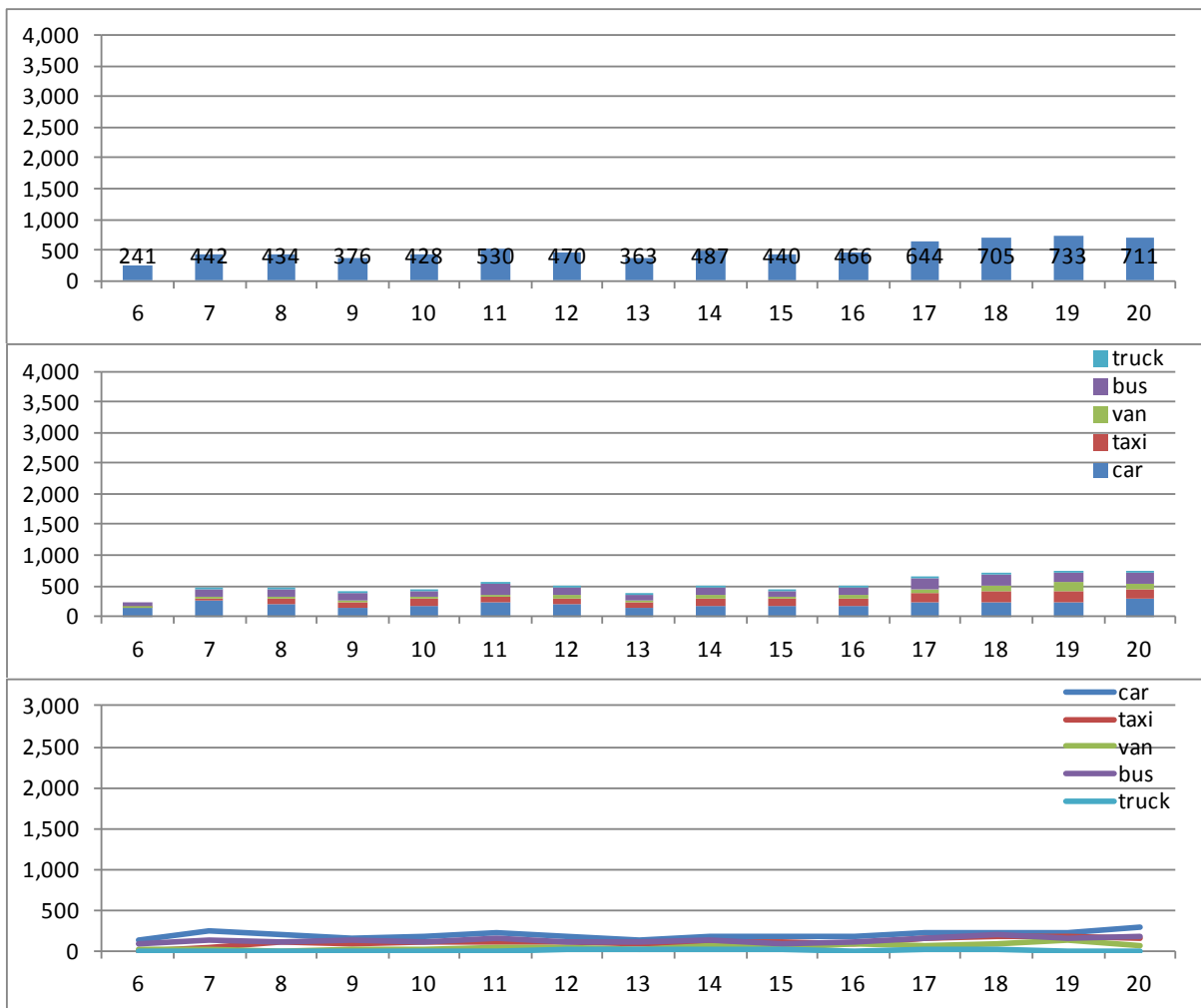


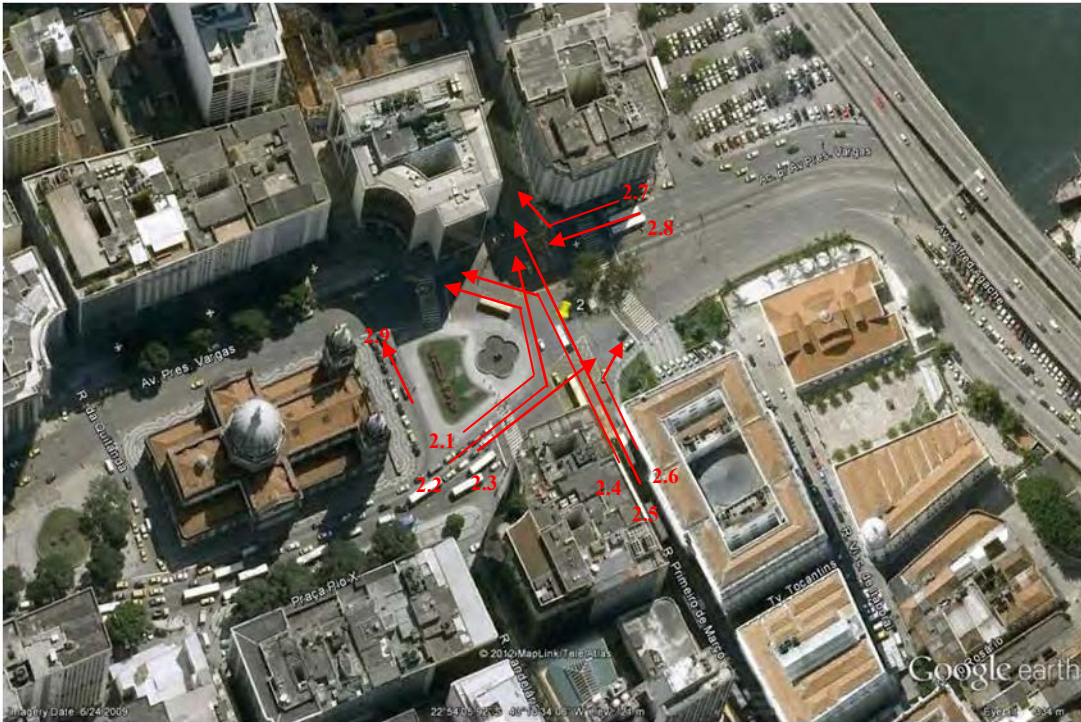
Flow 2.4



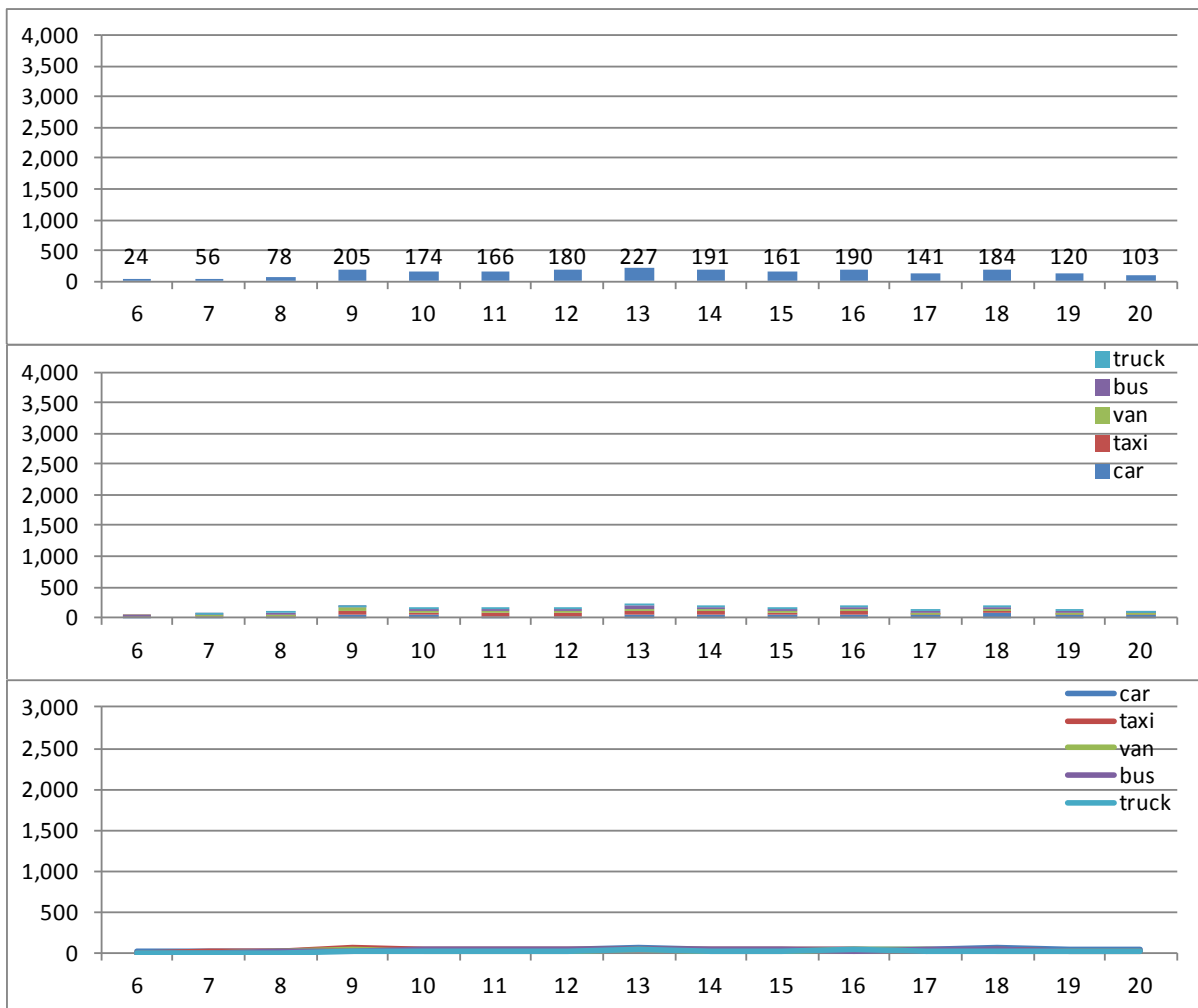


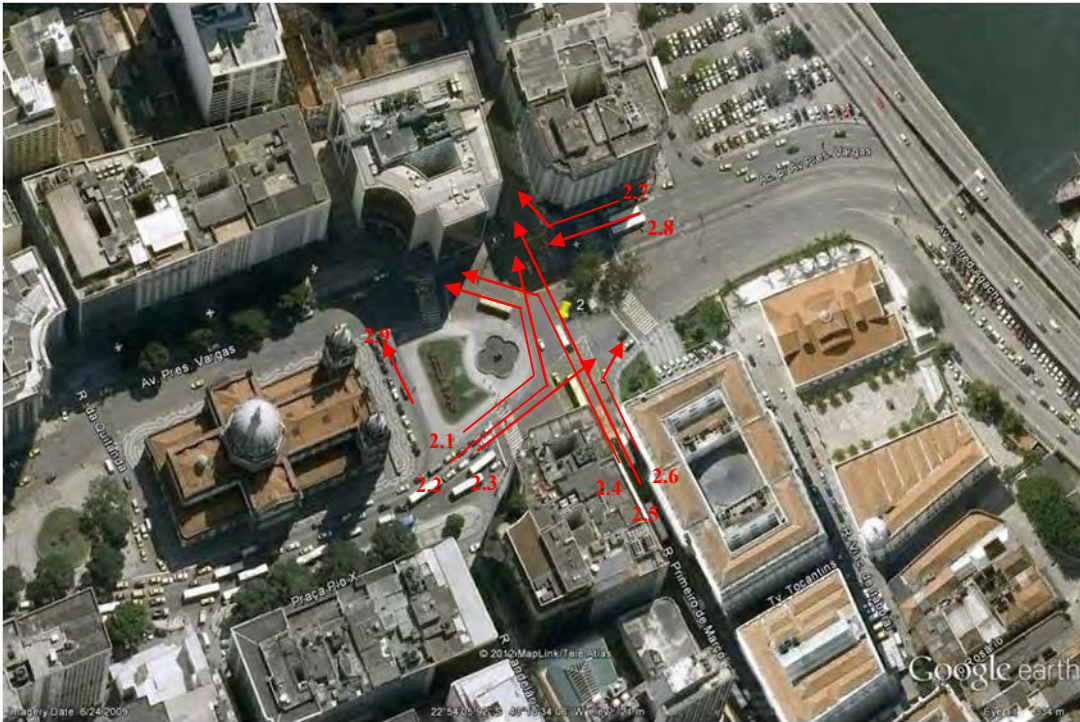
Flow 2.5



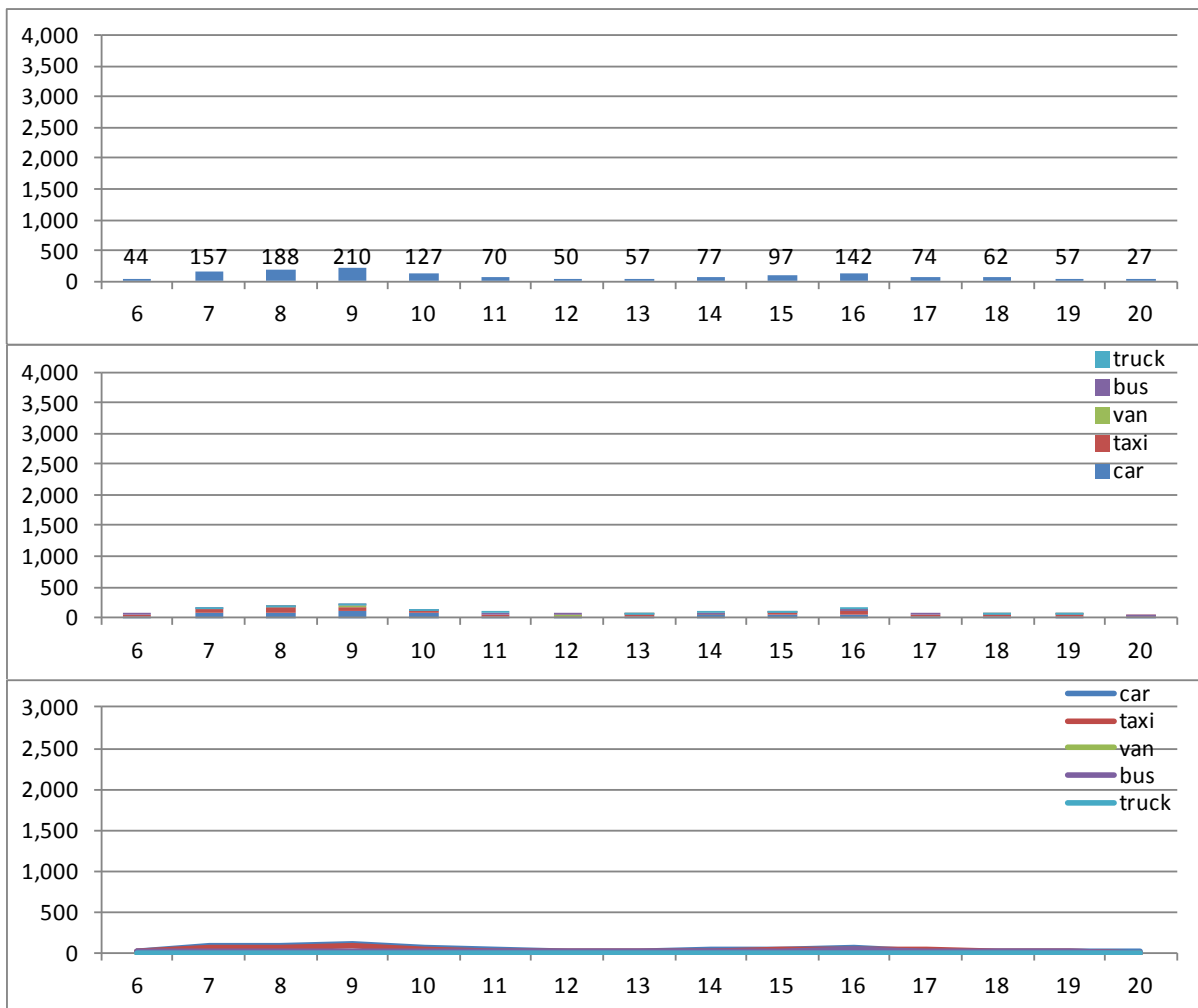


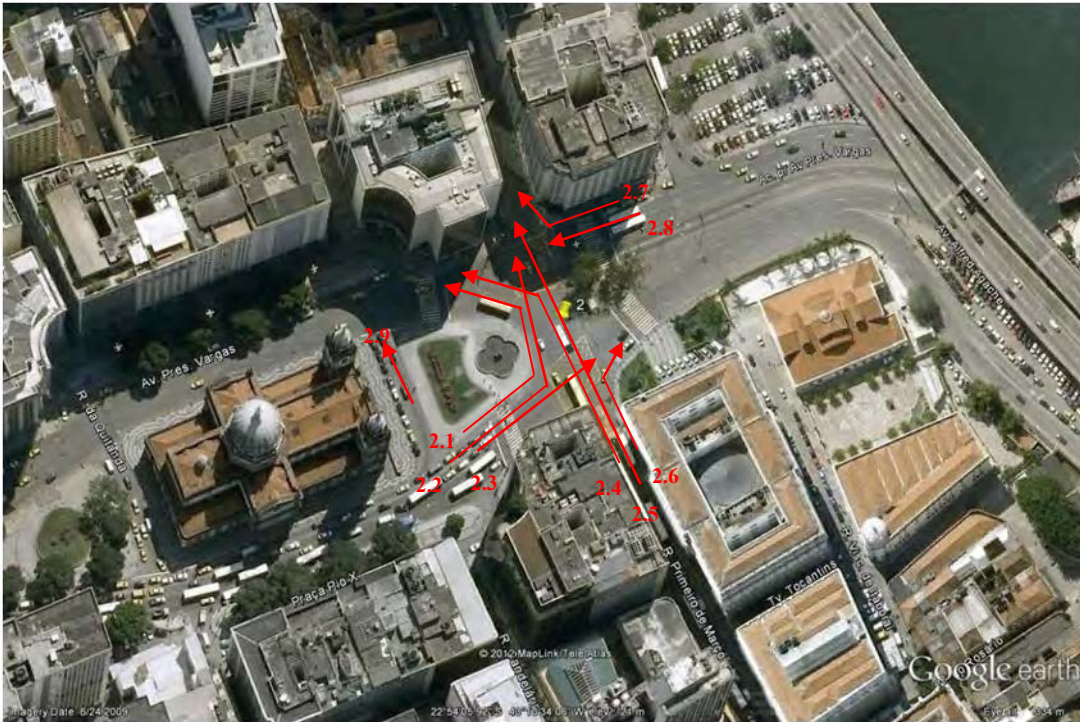
Flow 2.6



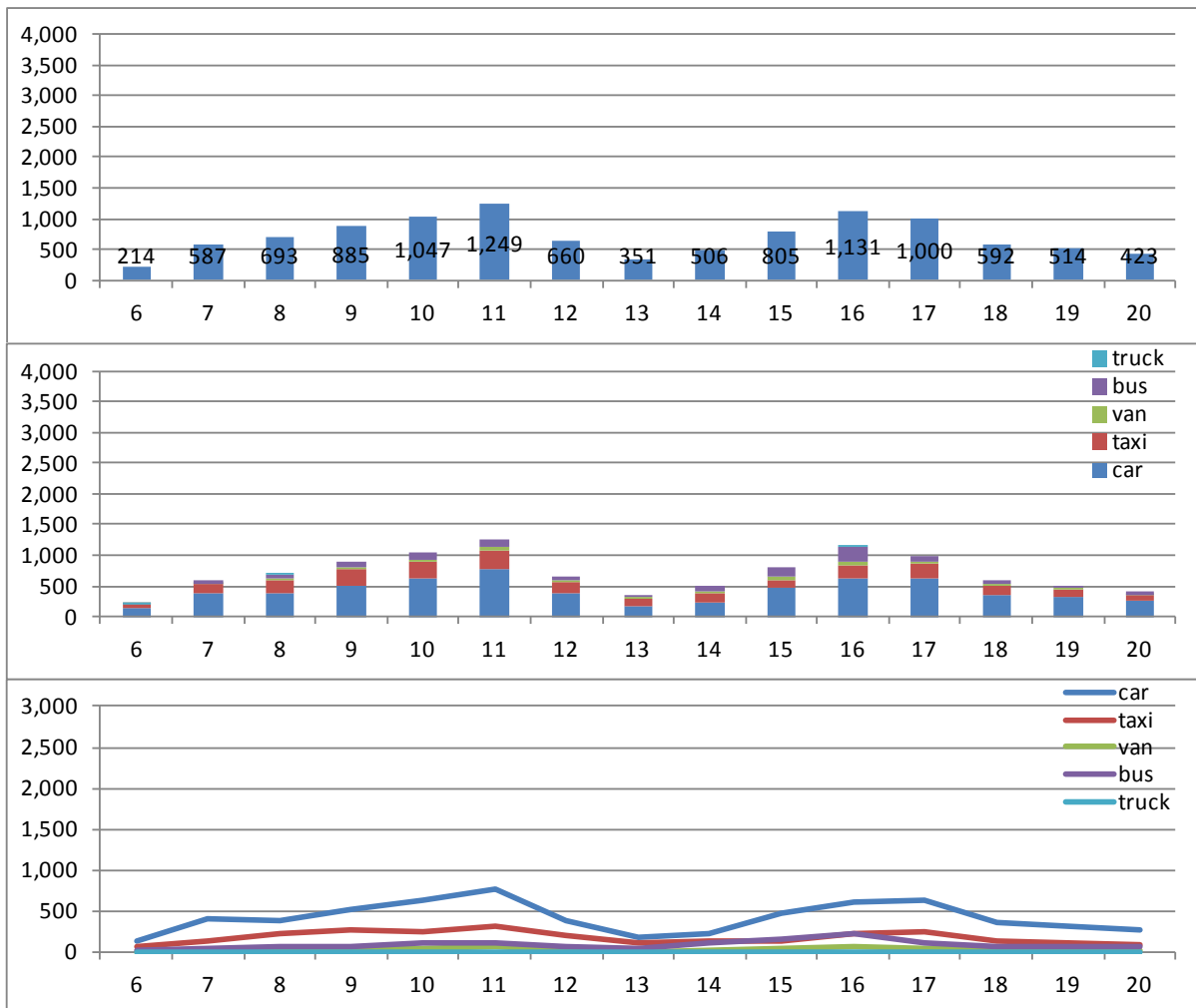


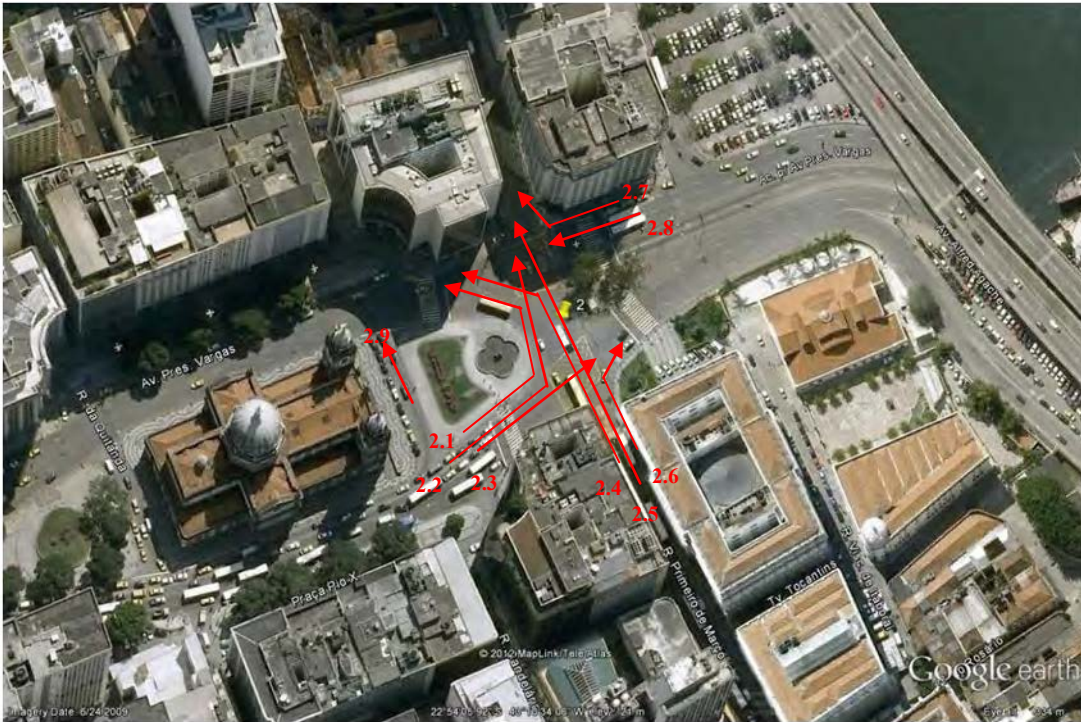
Flow 2.7



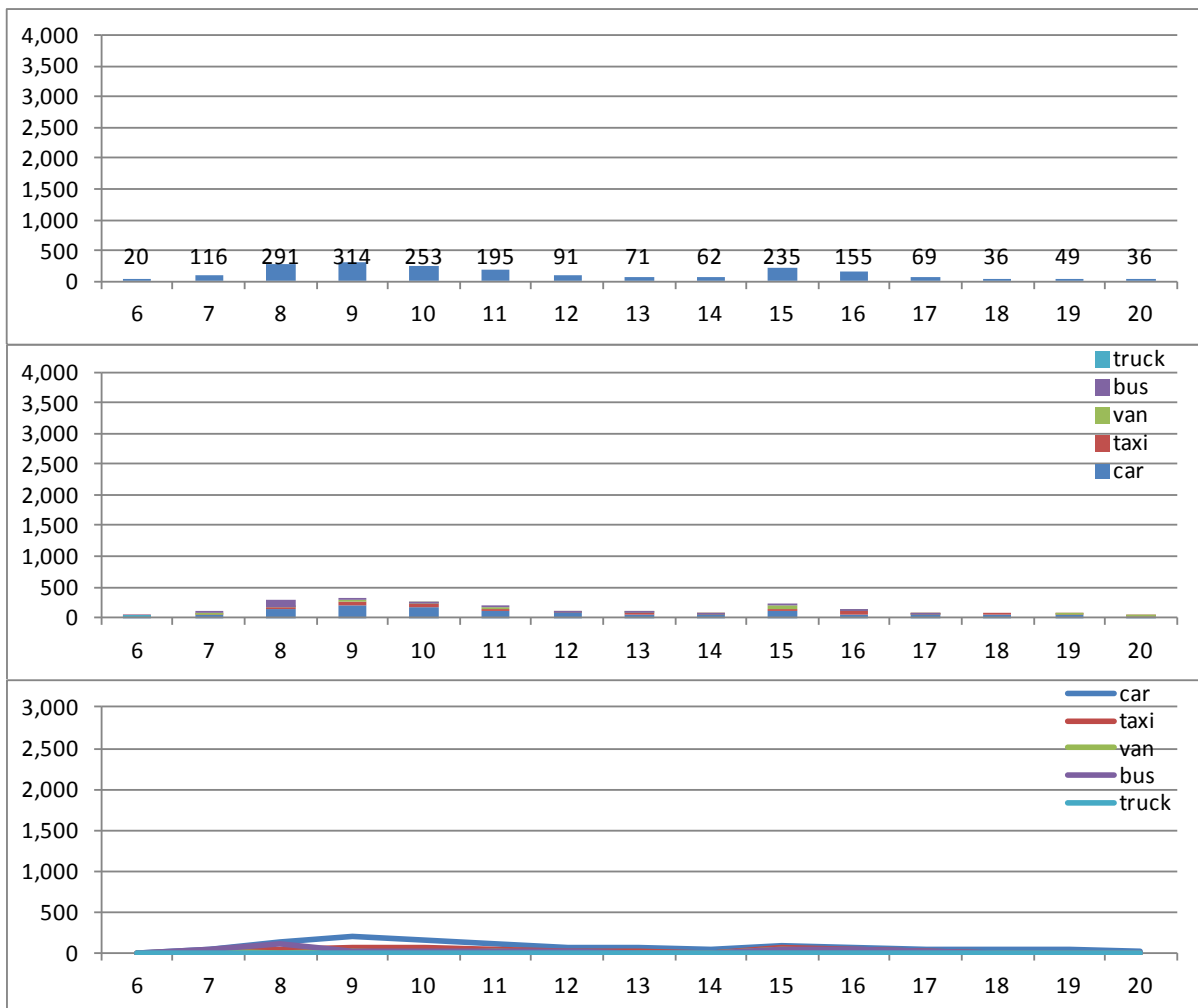


Flow 2.8

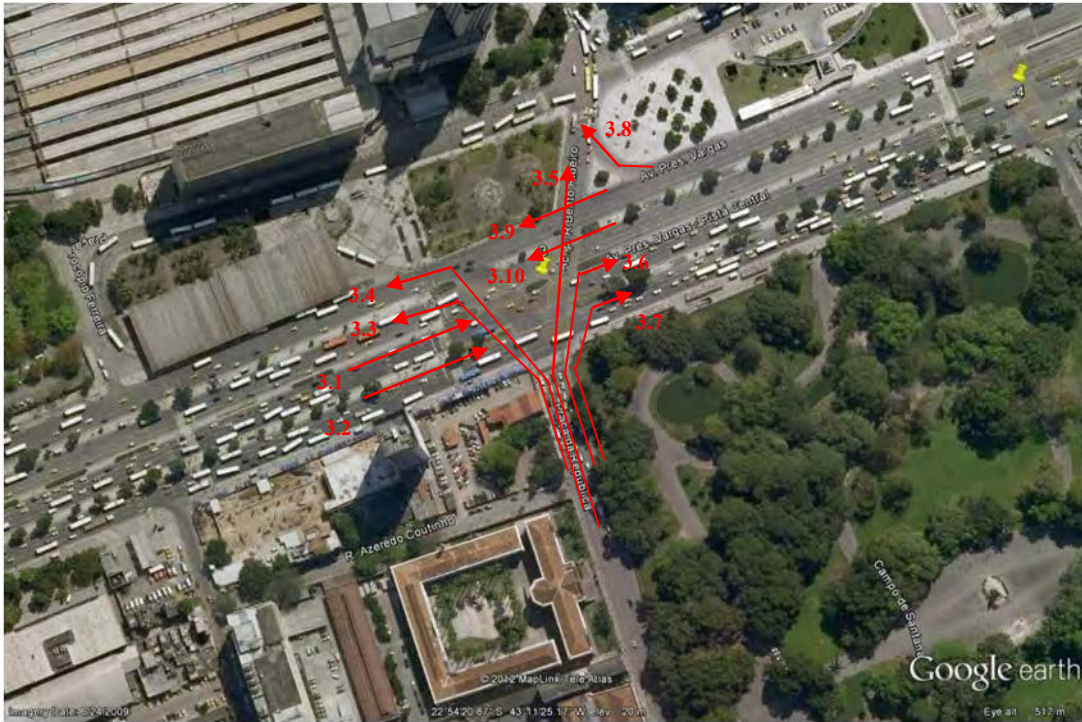




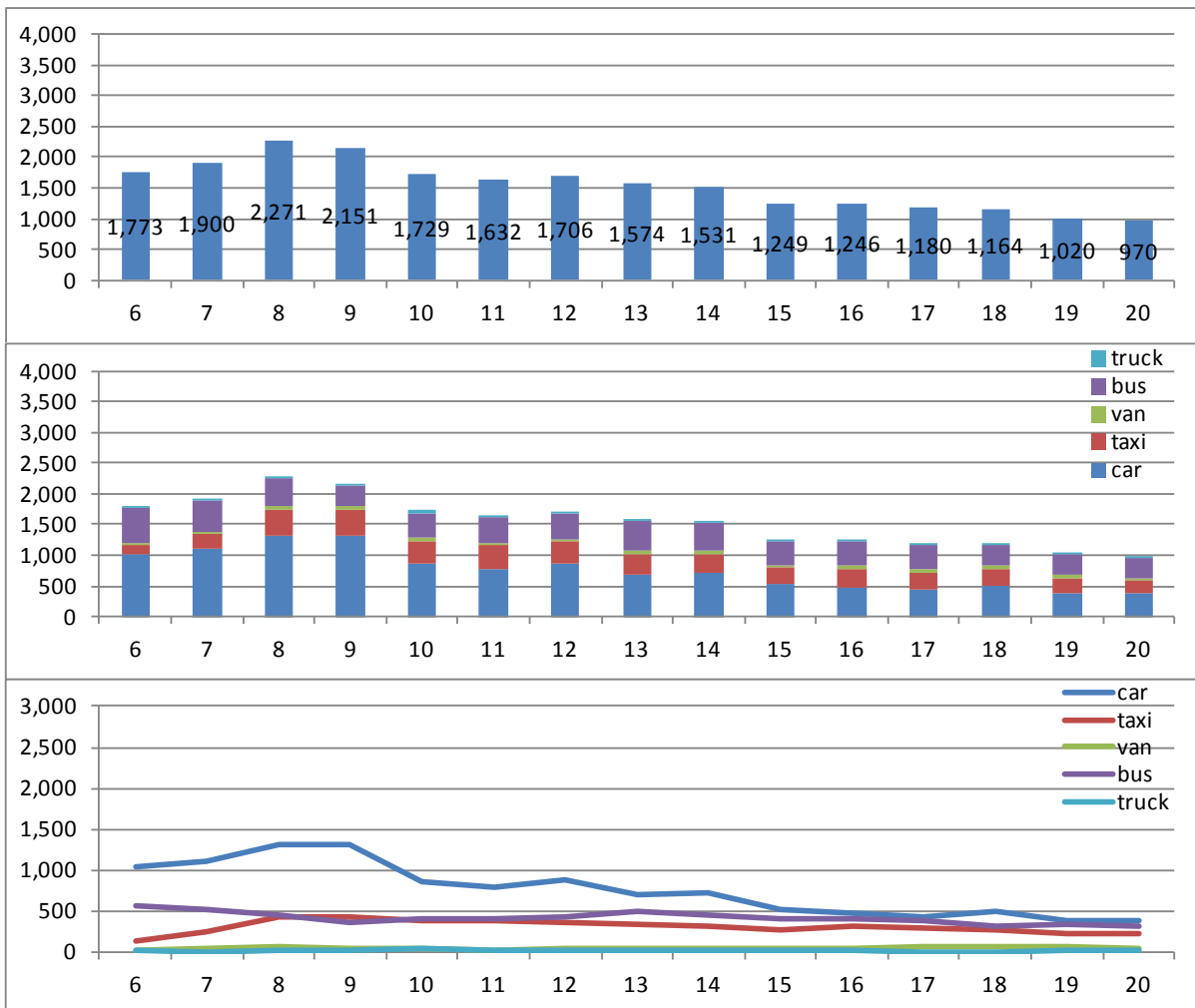
Flow 2.9

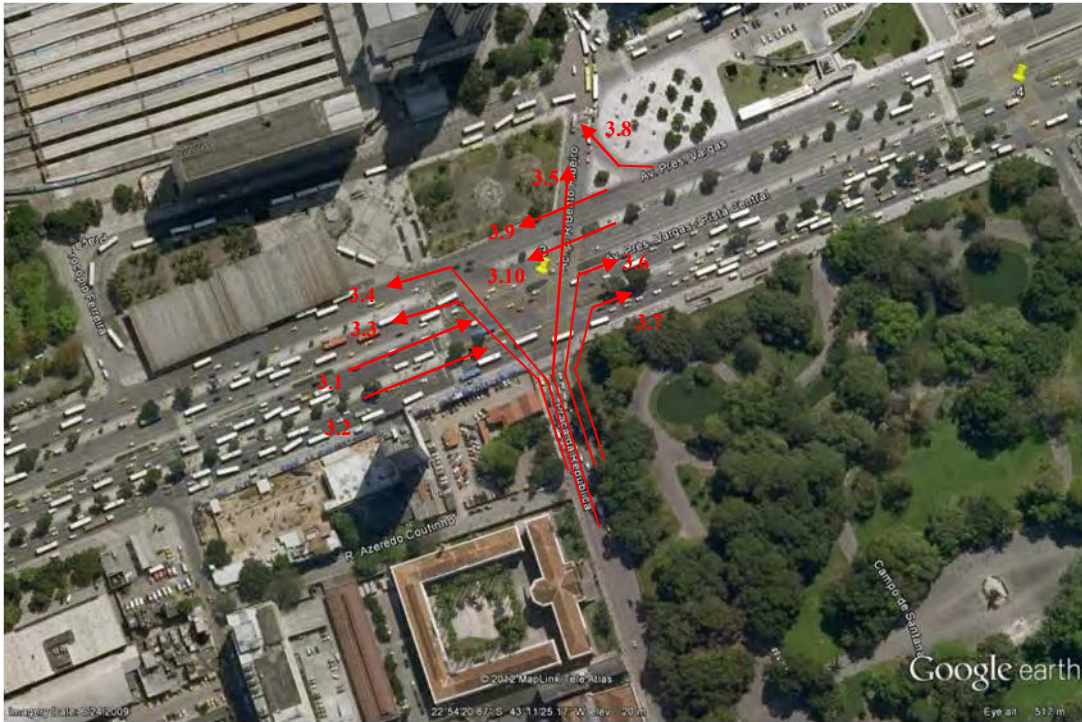


iii) Av. Presidente Vargas – R. Bento Ribeiro

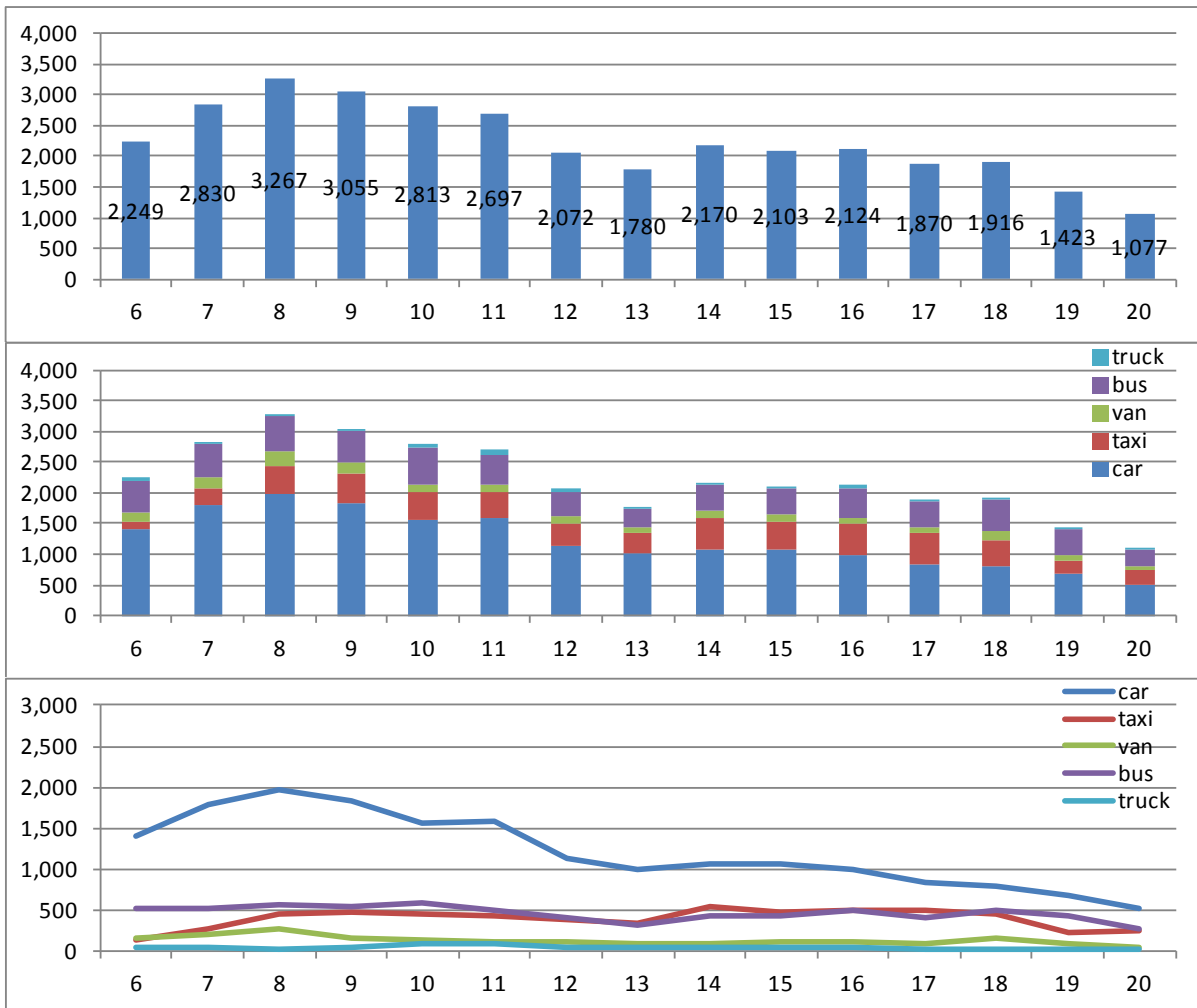


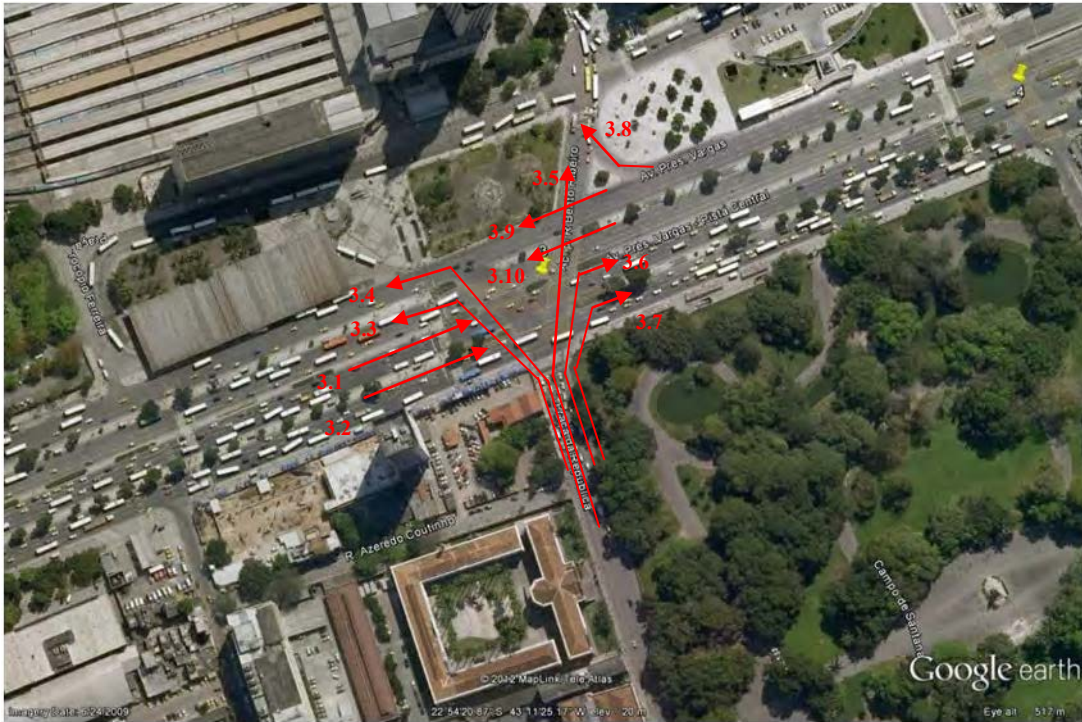
Flow 3.1



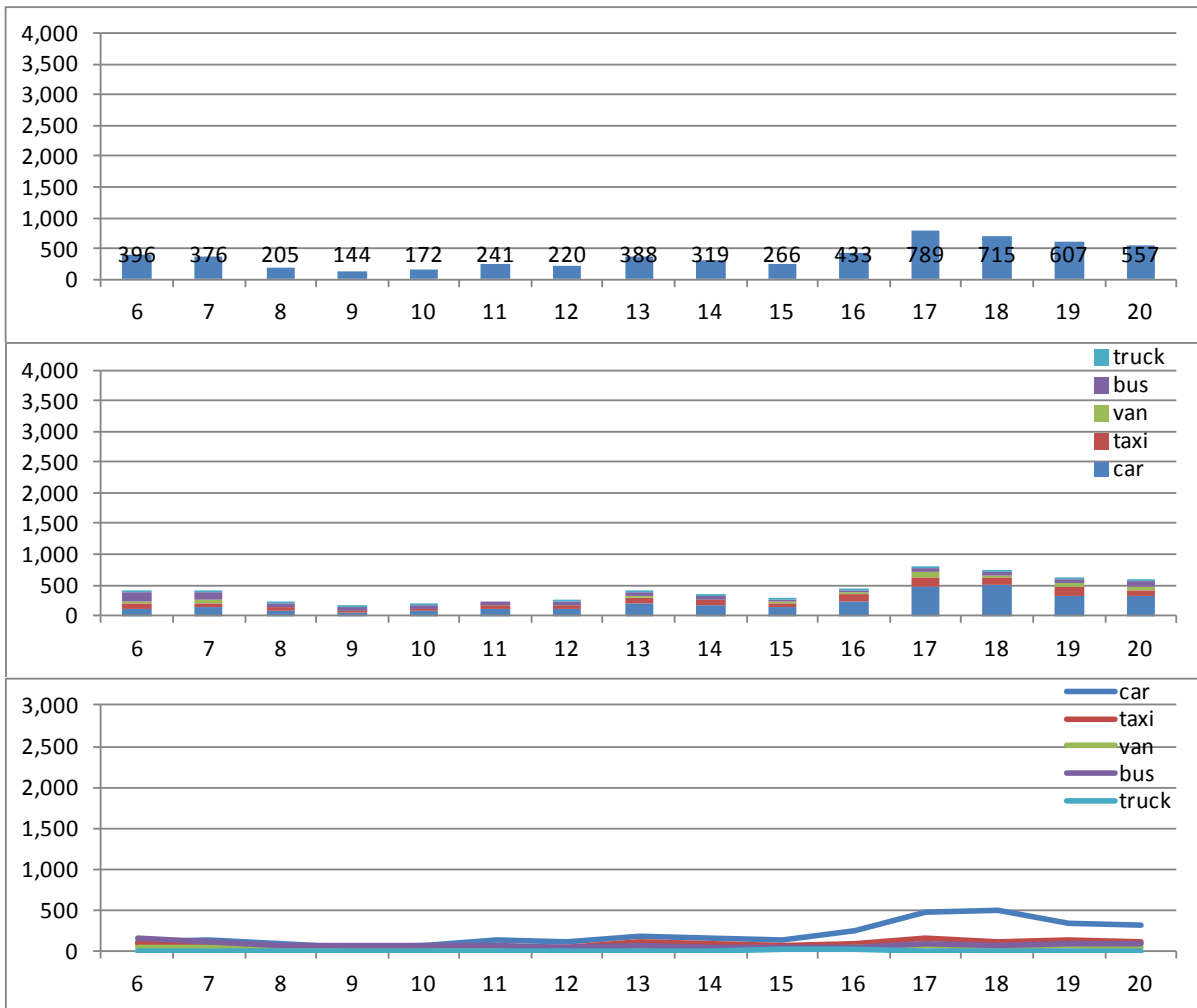


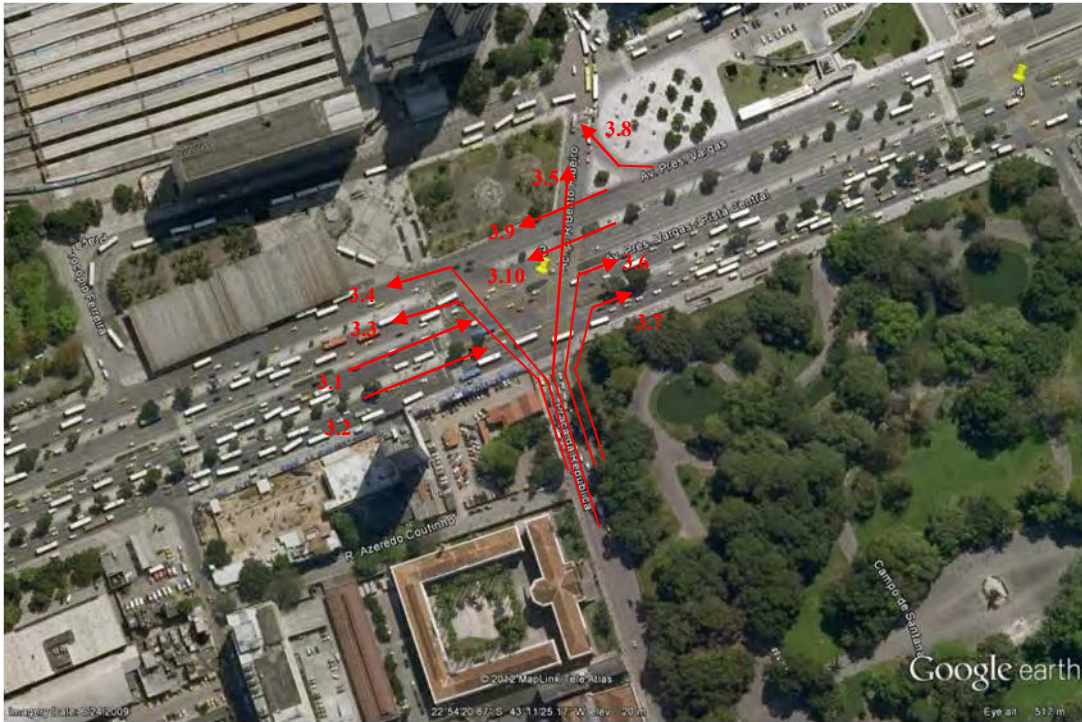
Flow 3.2



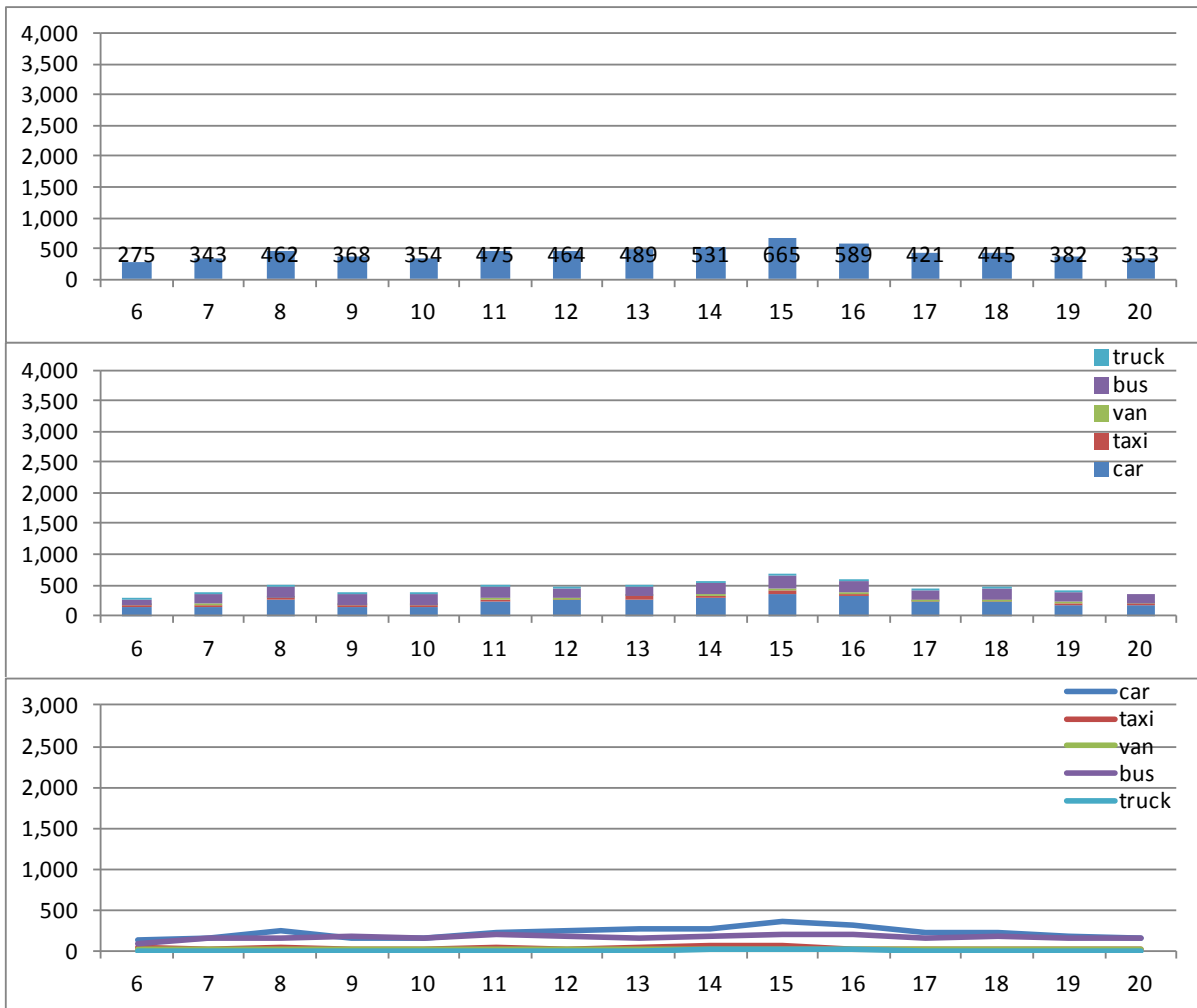


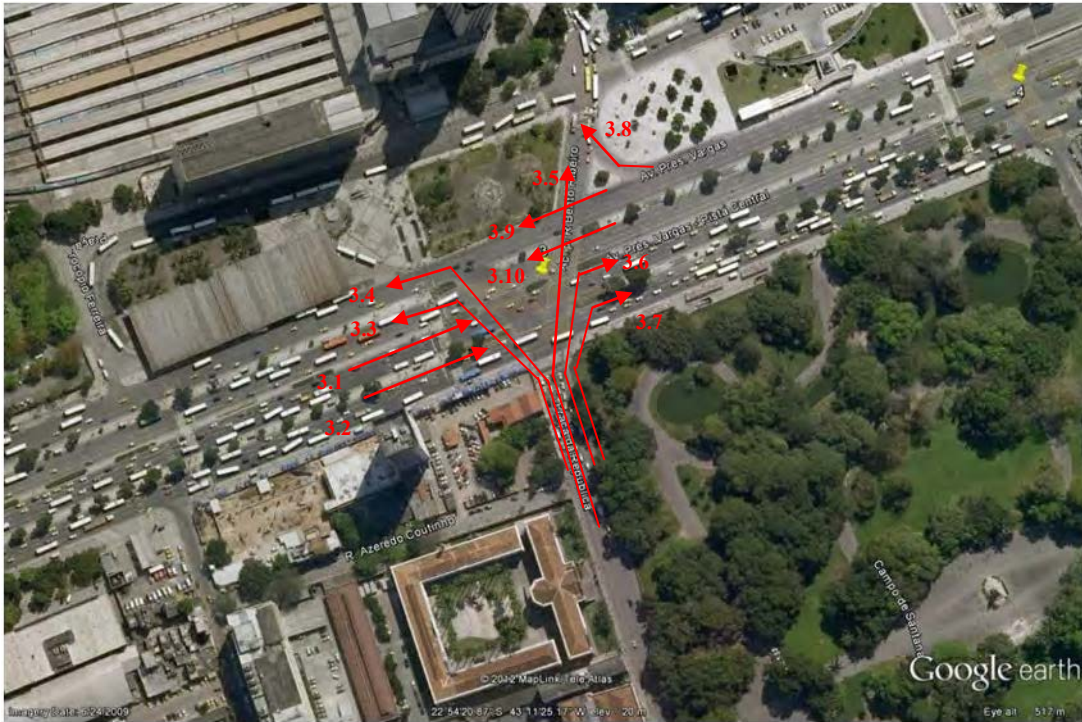
Flow 3.3



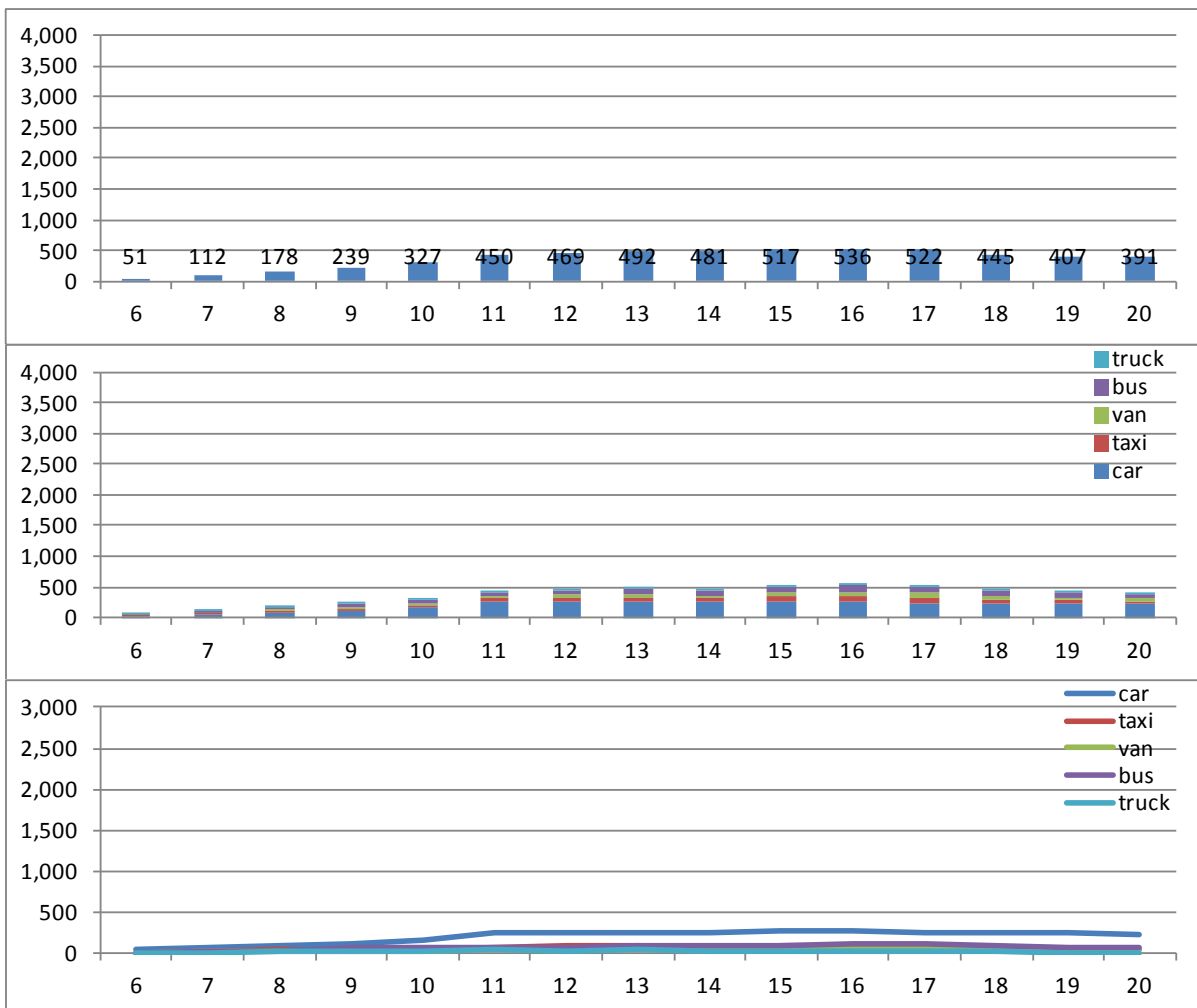


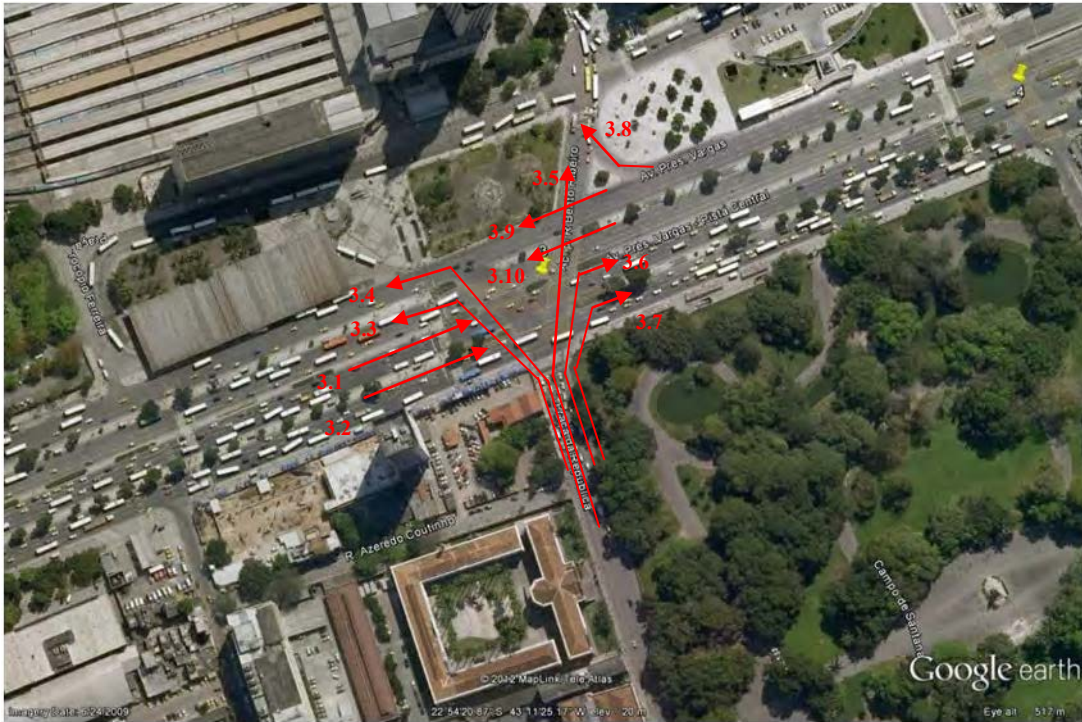
Flow 3.4



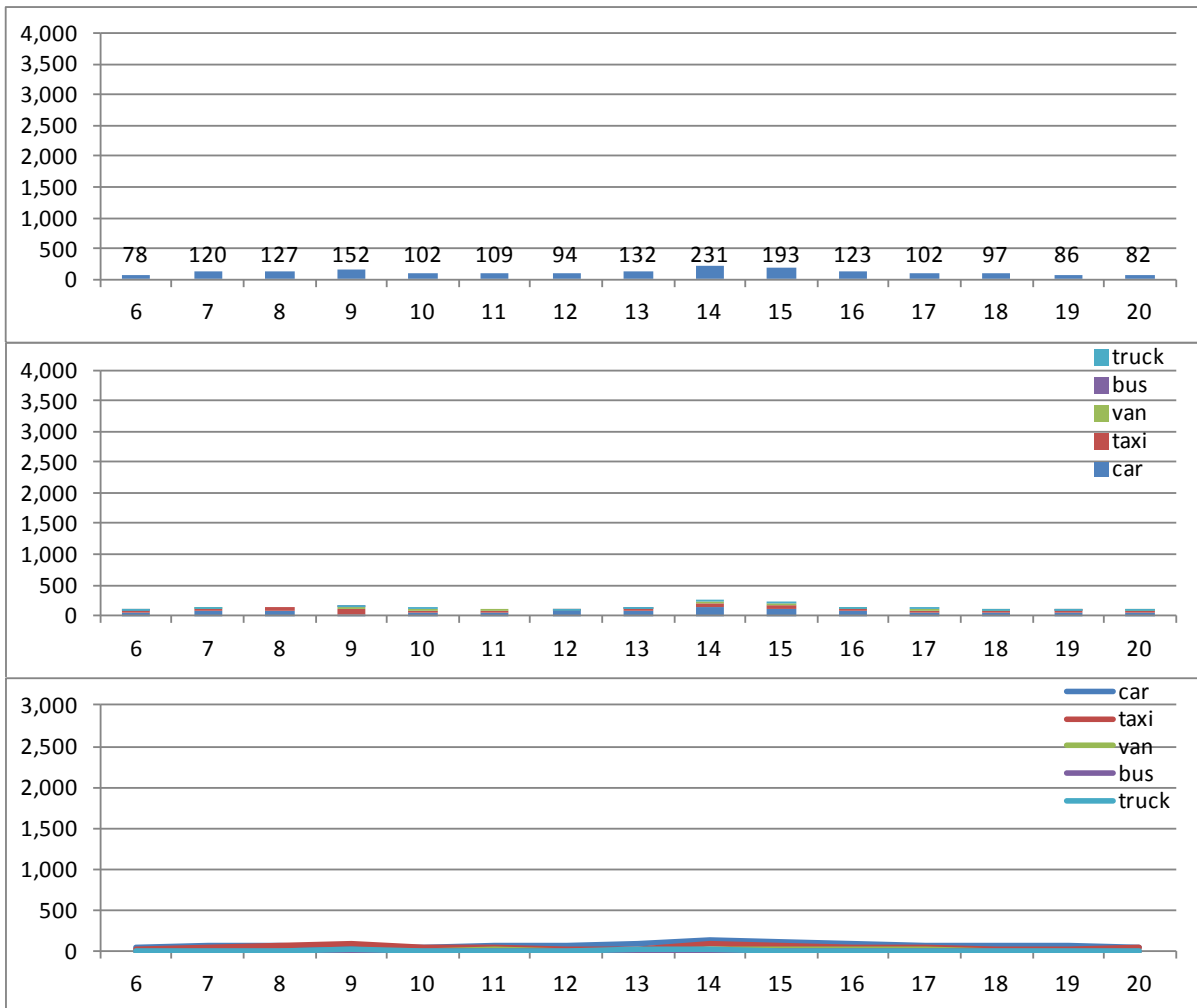


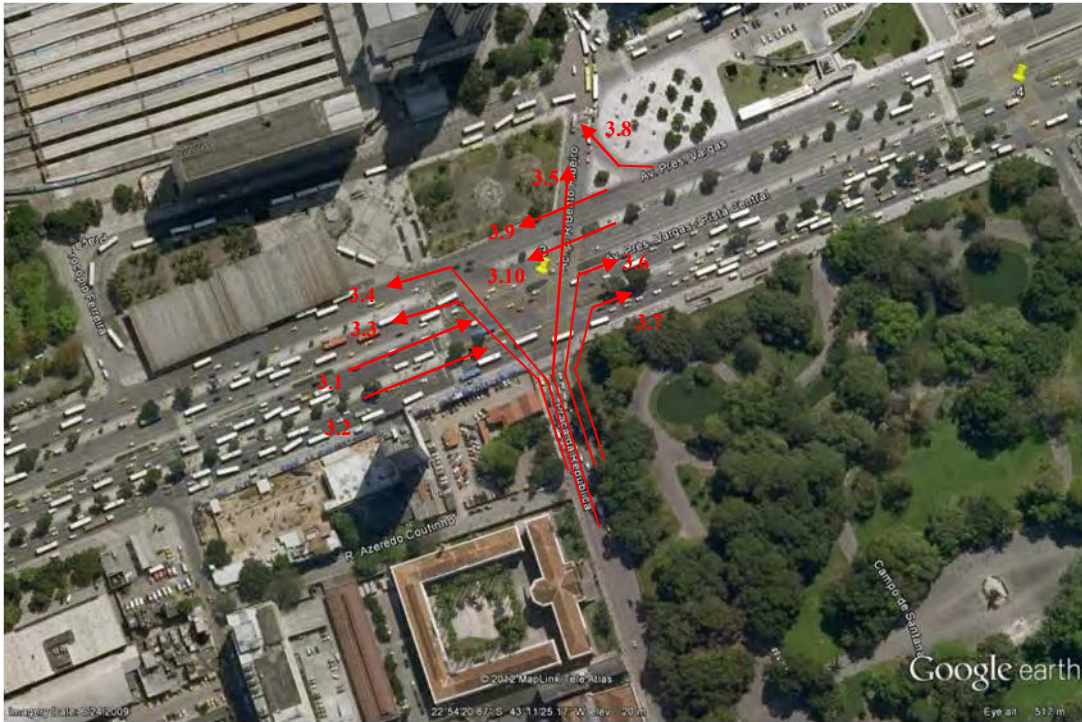
Flow 3.5



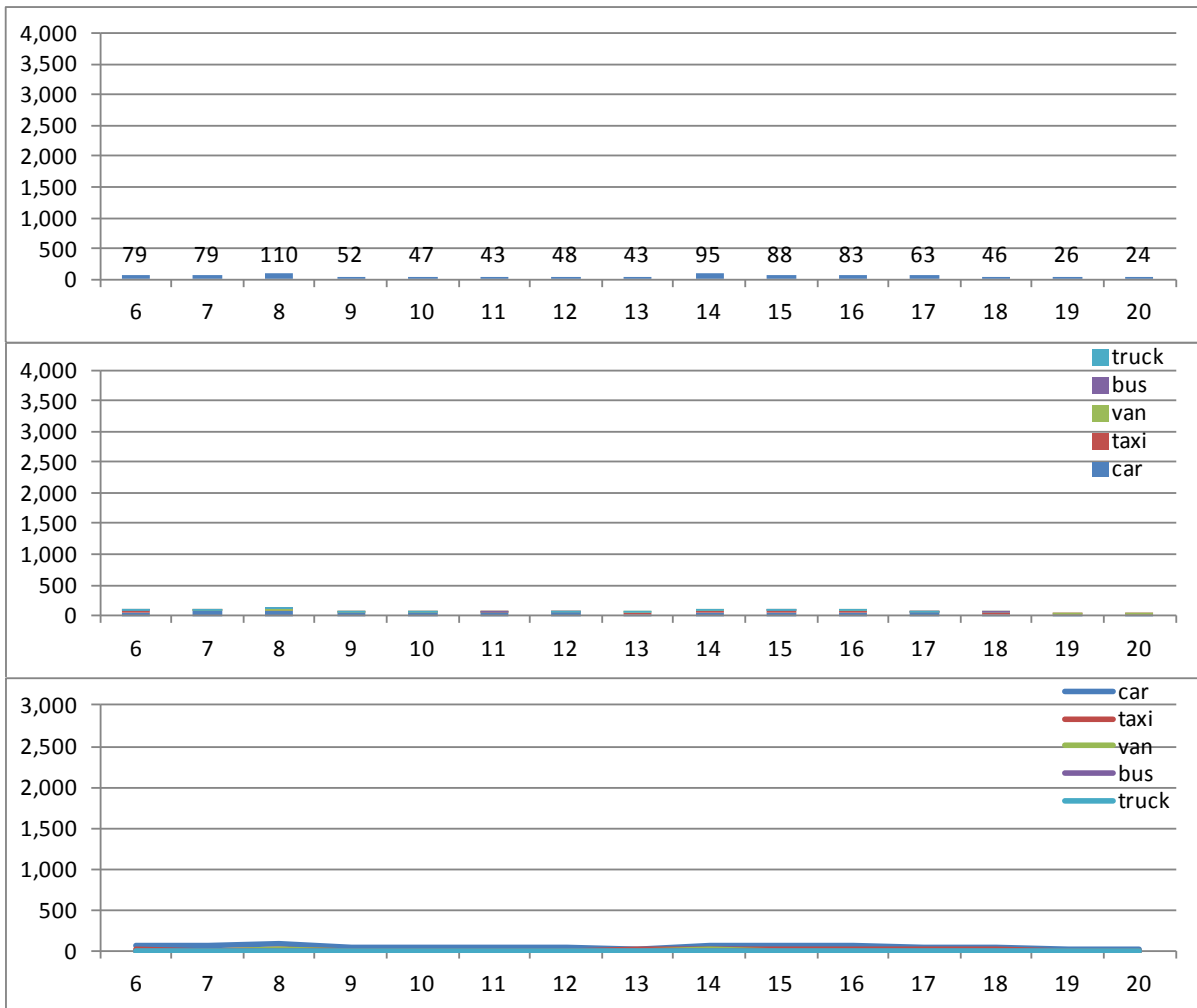


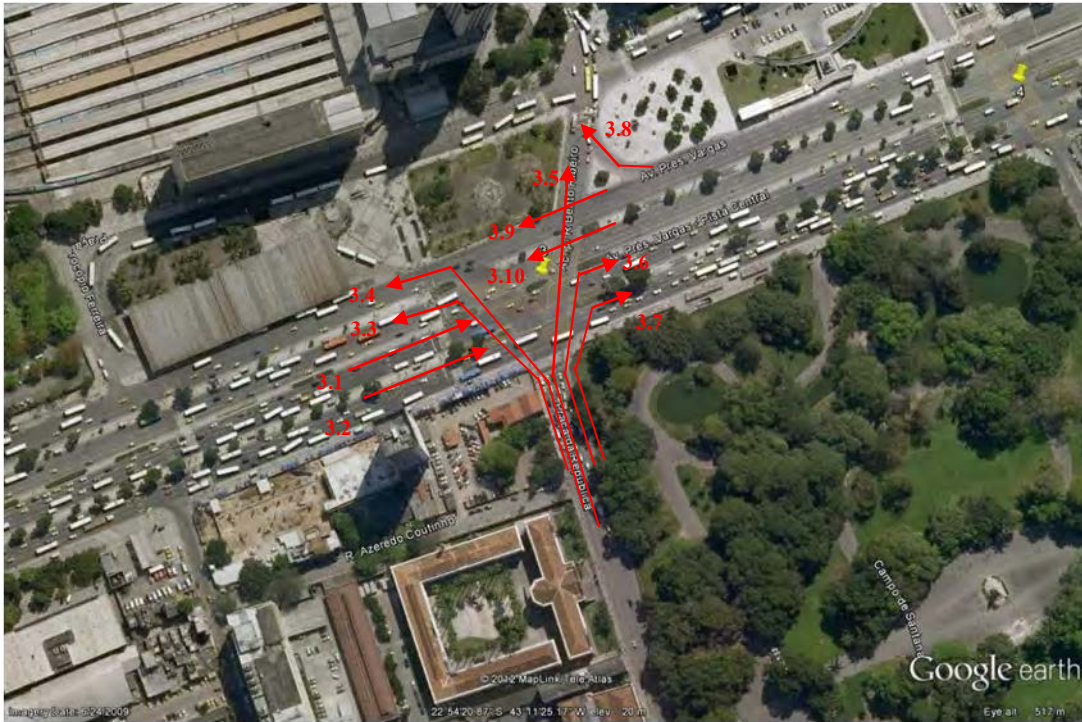
Flow 3.6



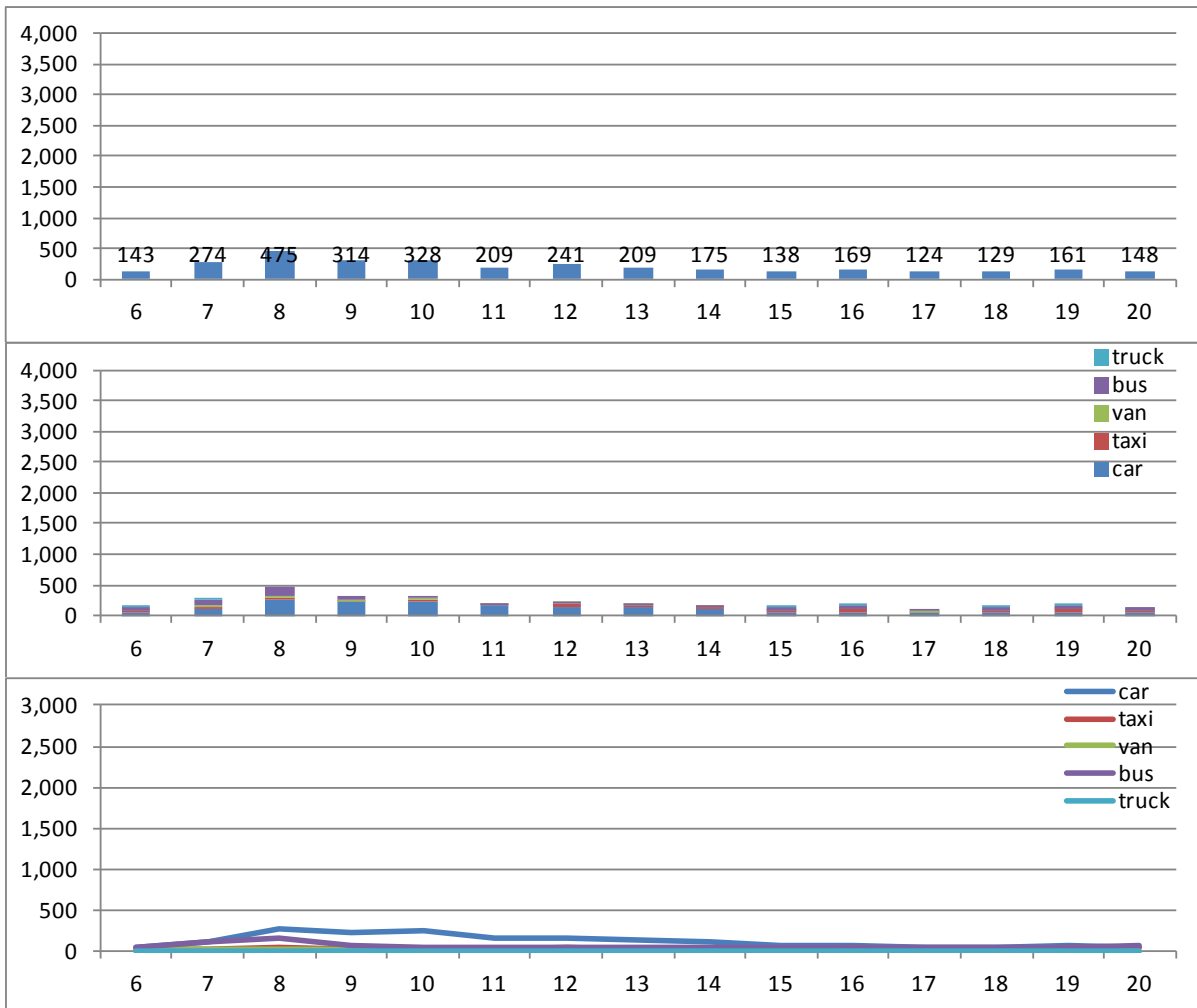


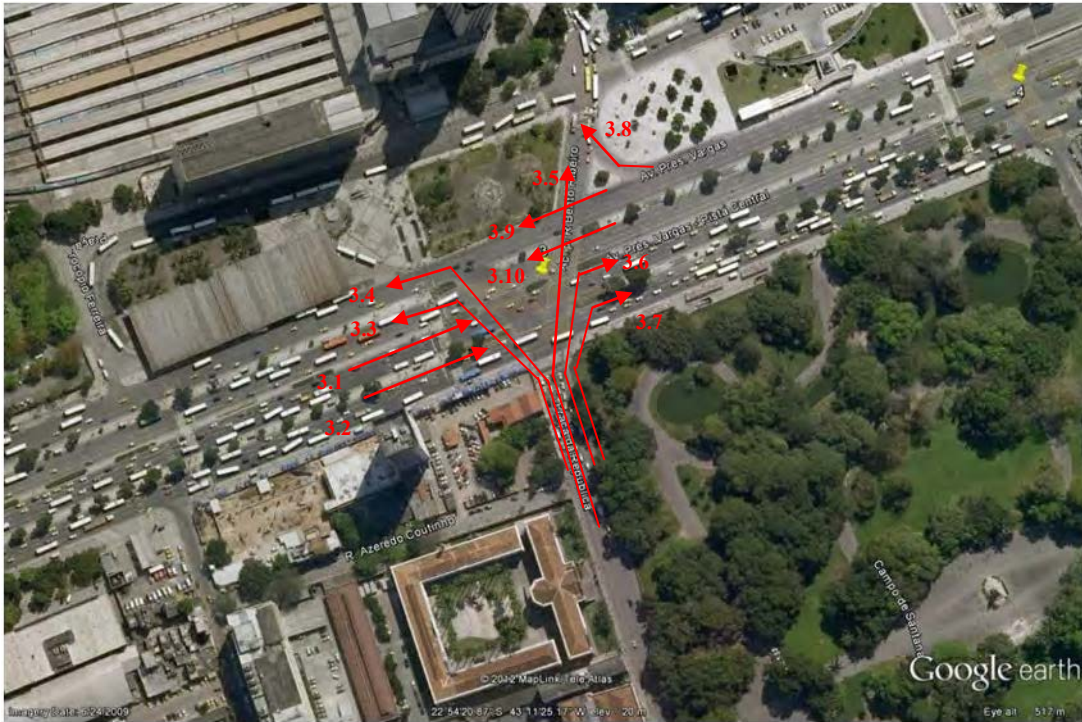
Flow 3.7



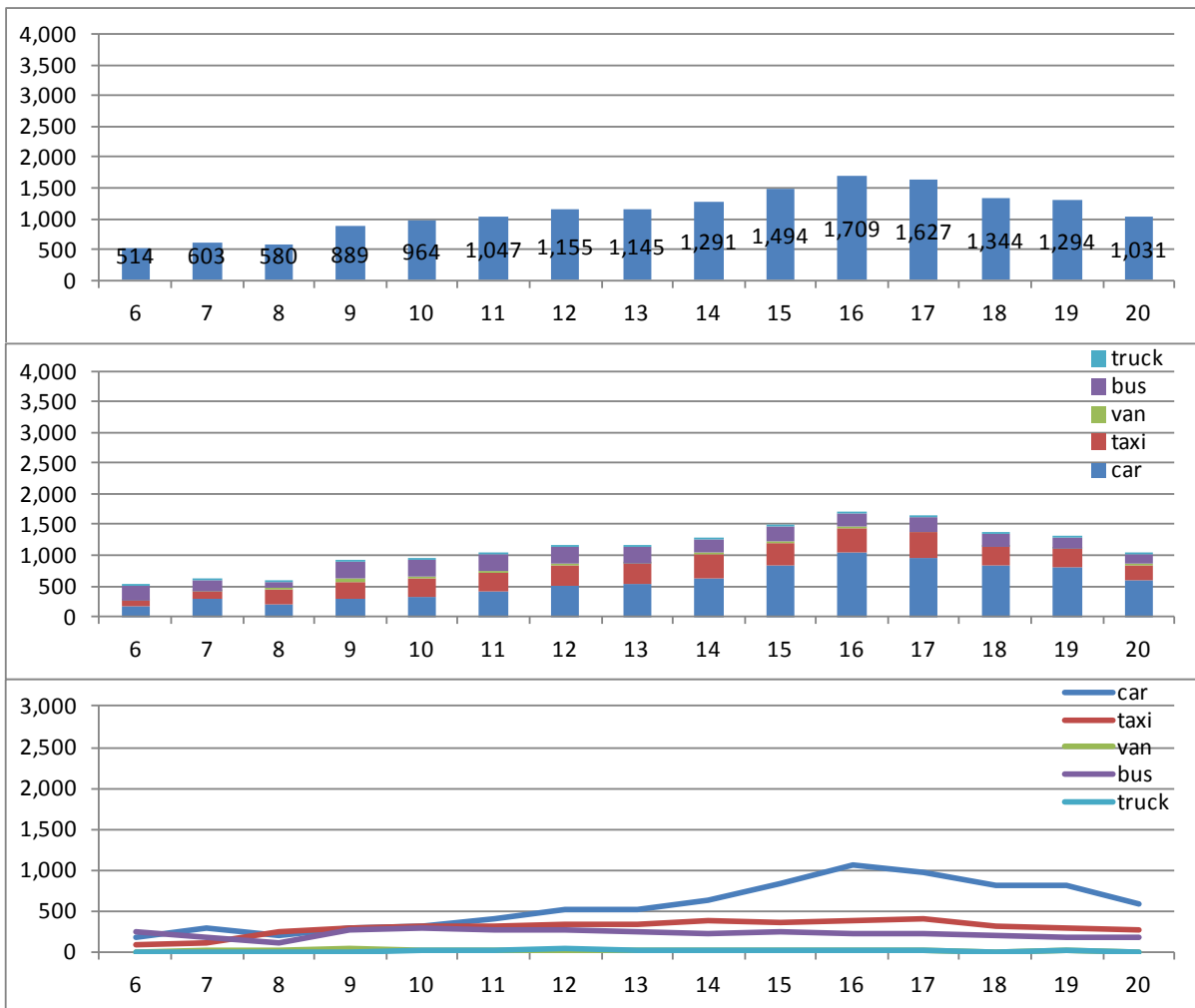


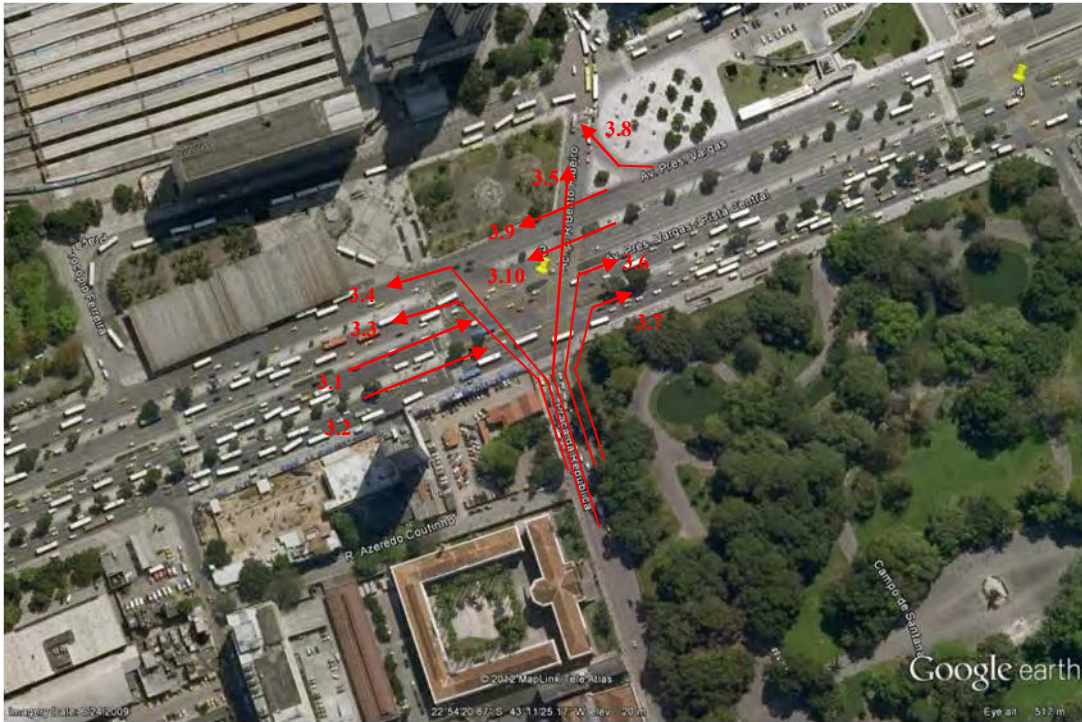
Flow 3.8



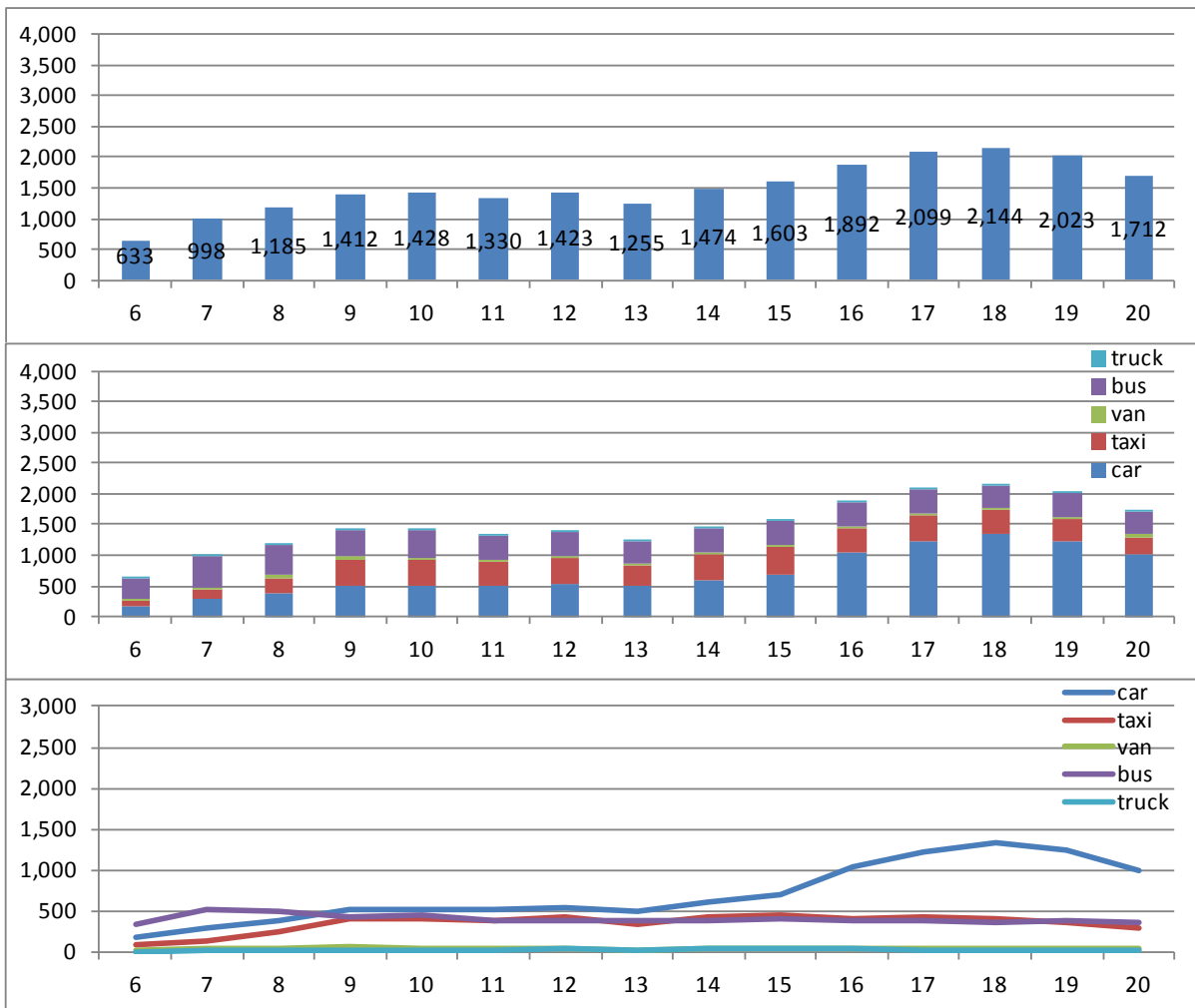


Flow 3.9

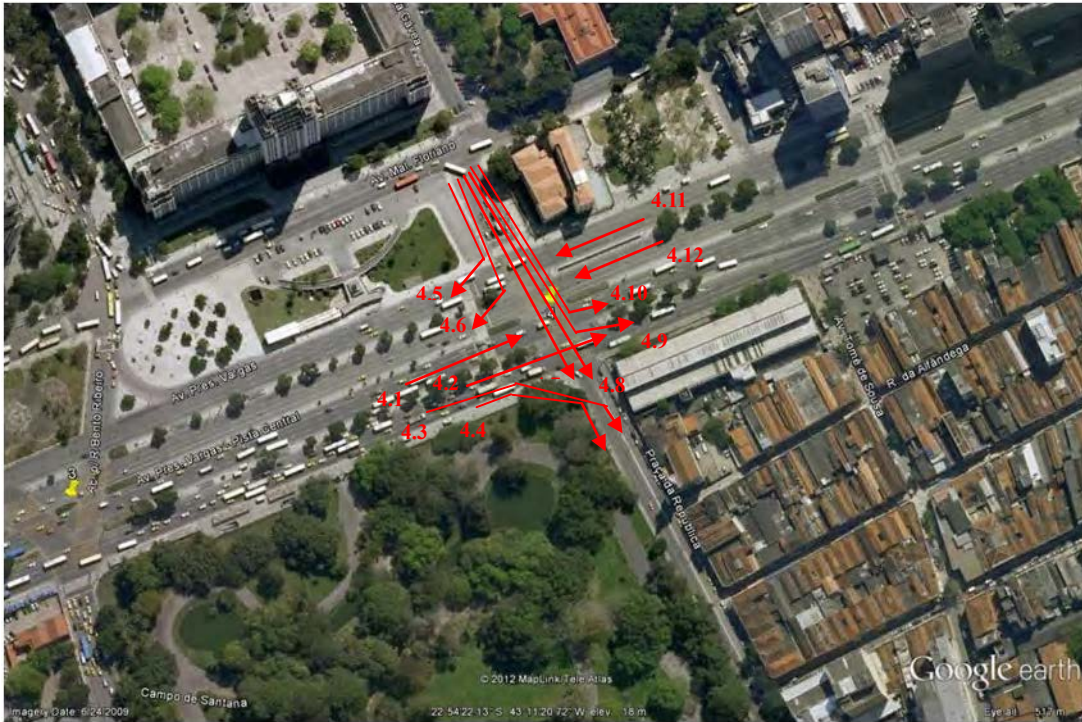




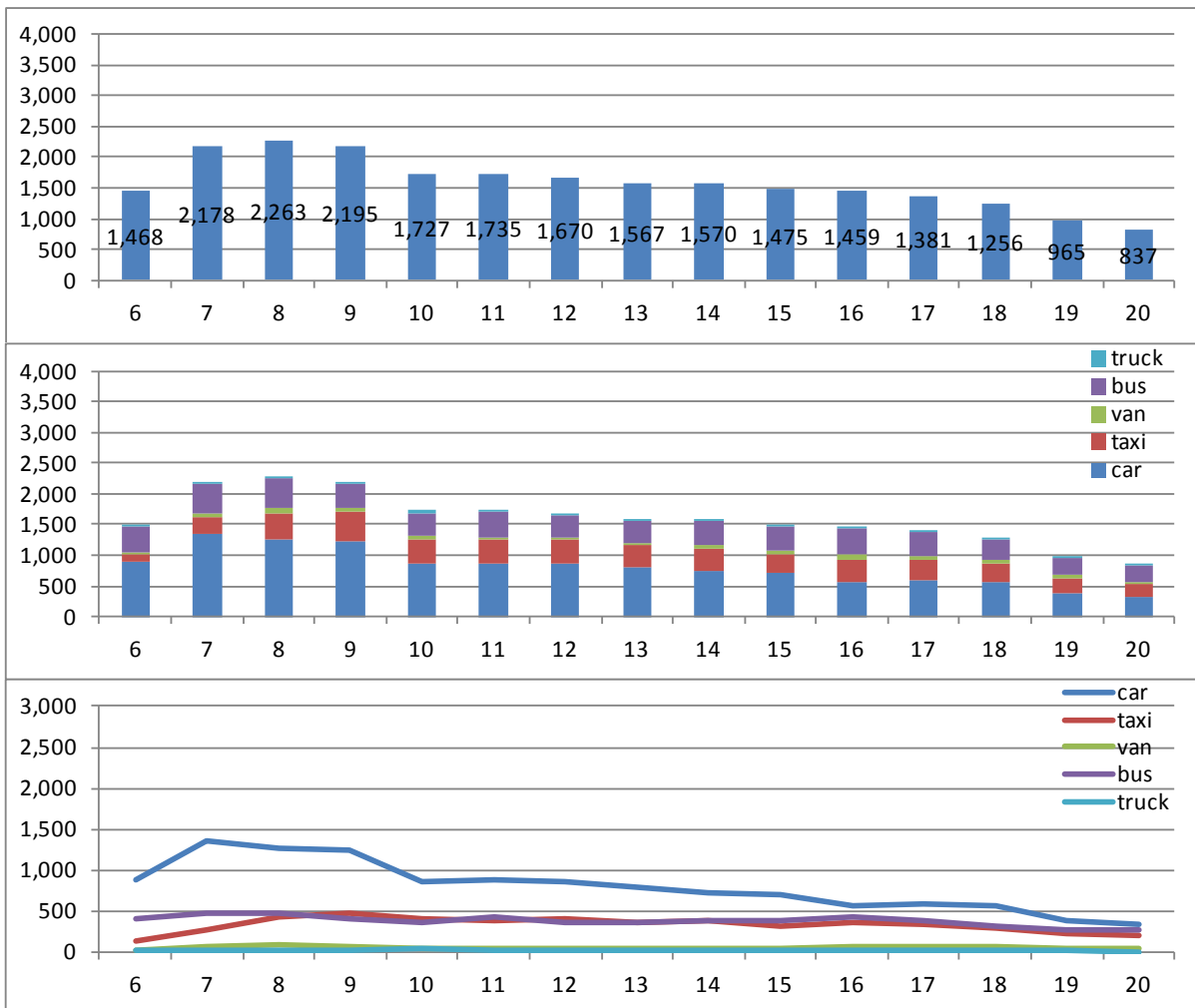
Flow 3.10

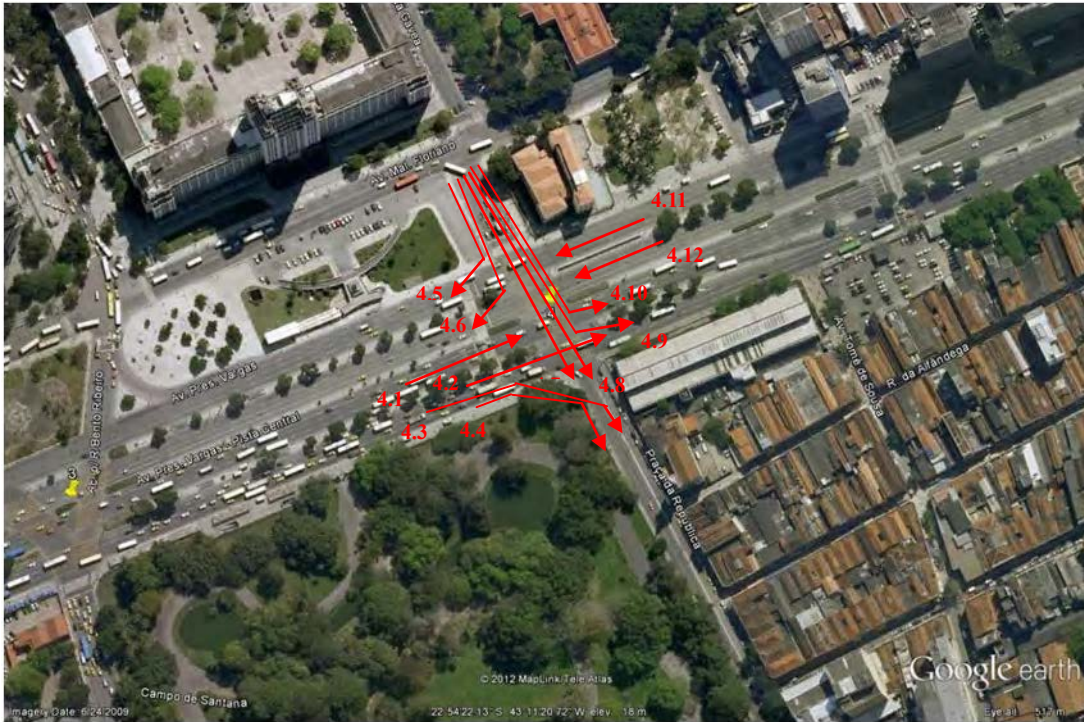


iv) Av. Presidente Vargas – Praça da República

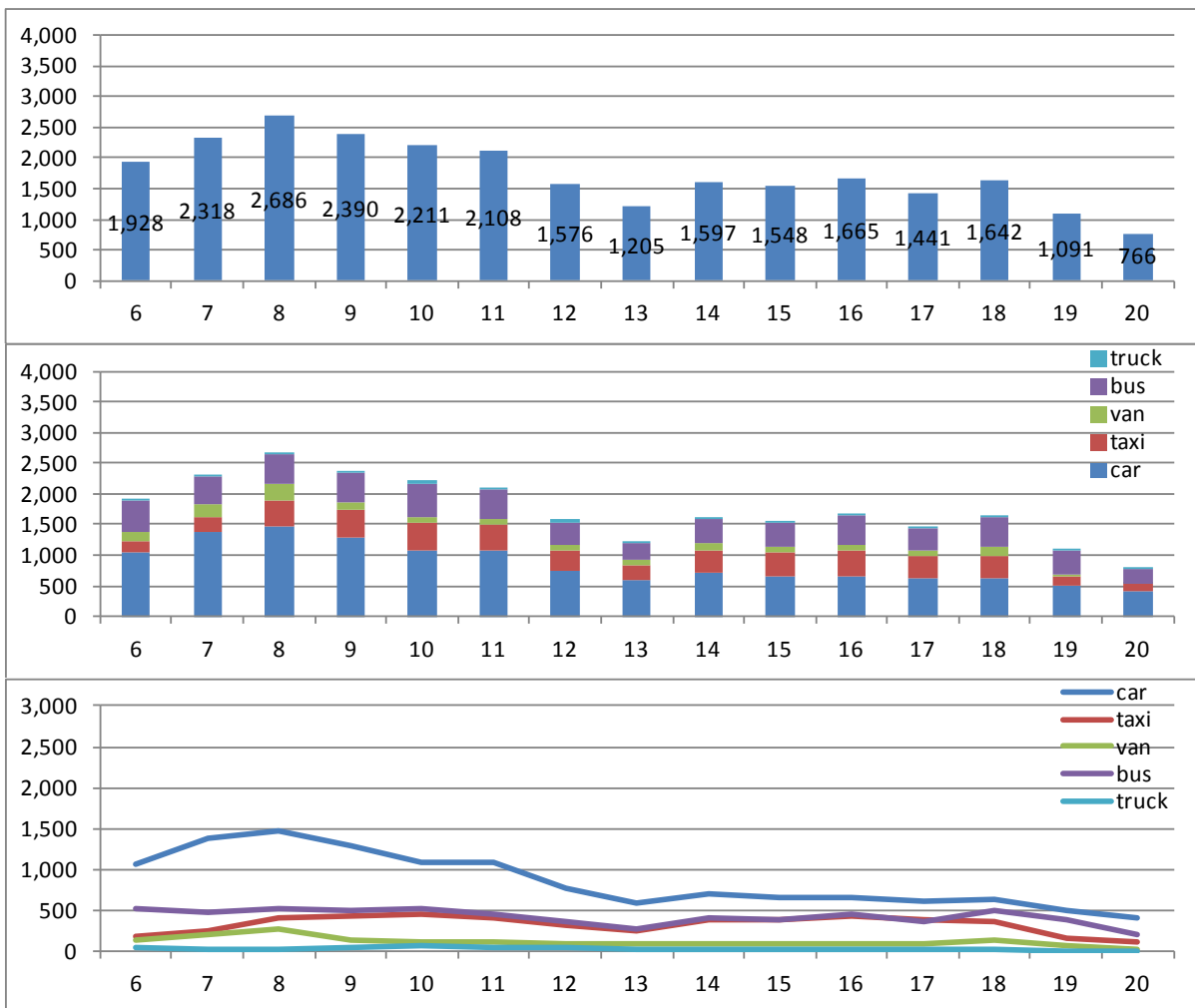


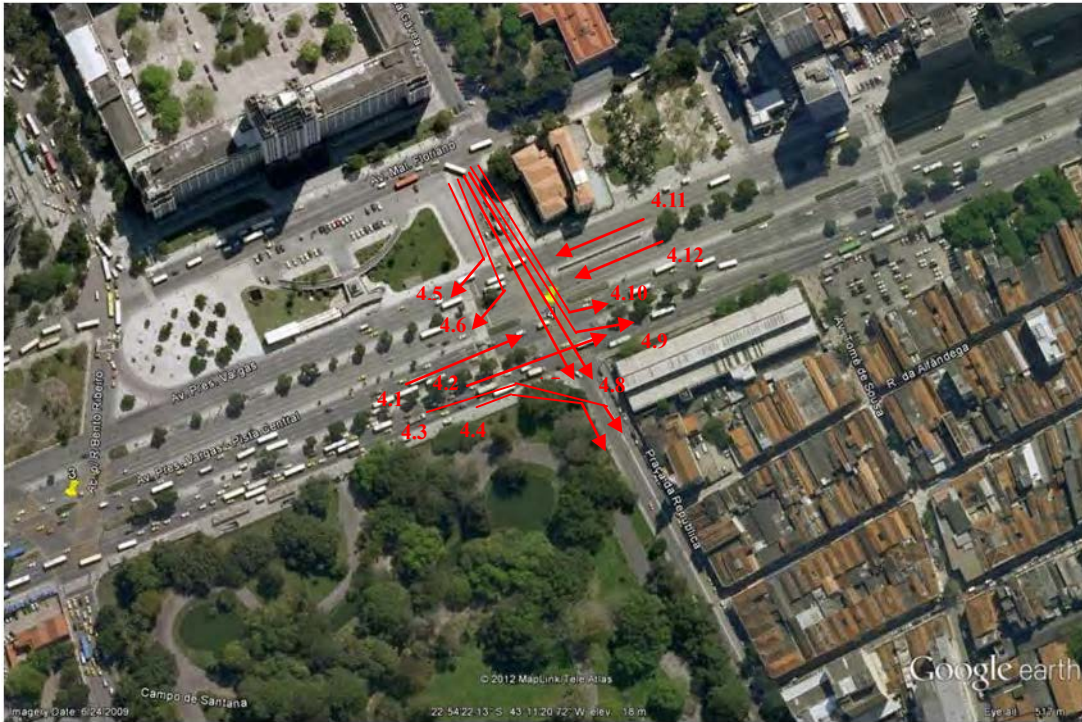
Flow 4.1



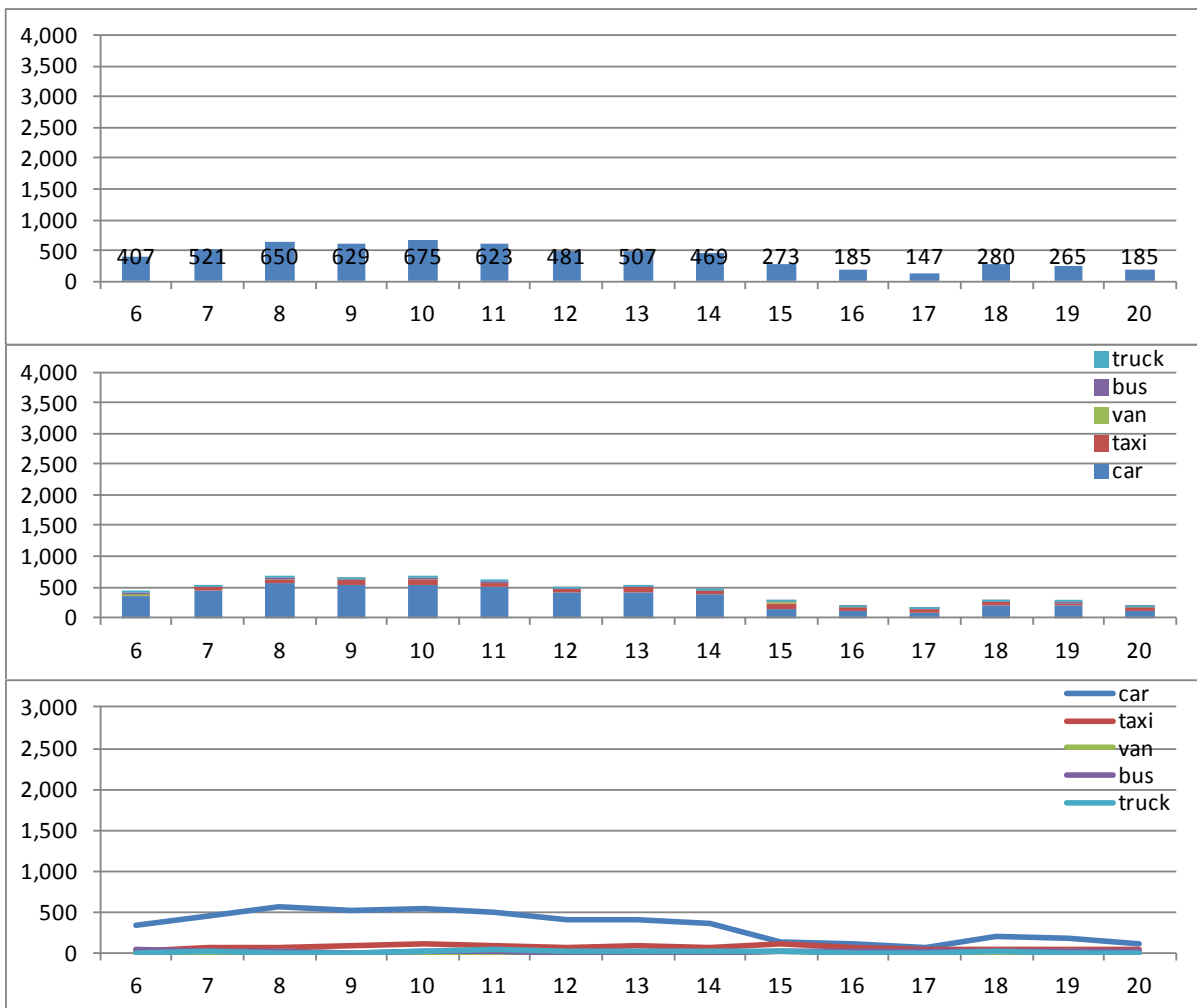


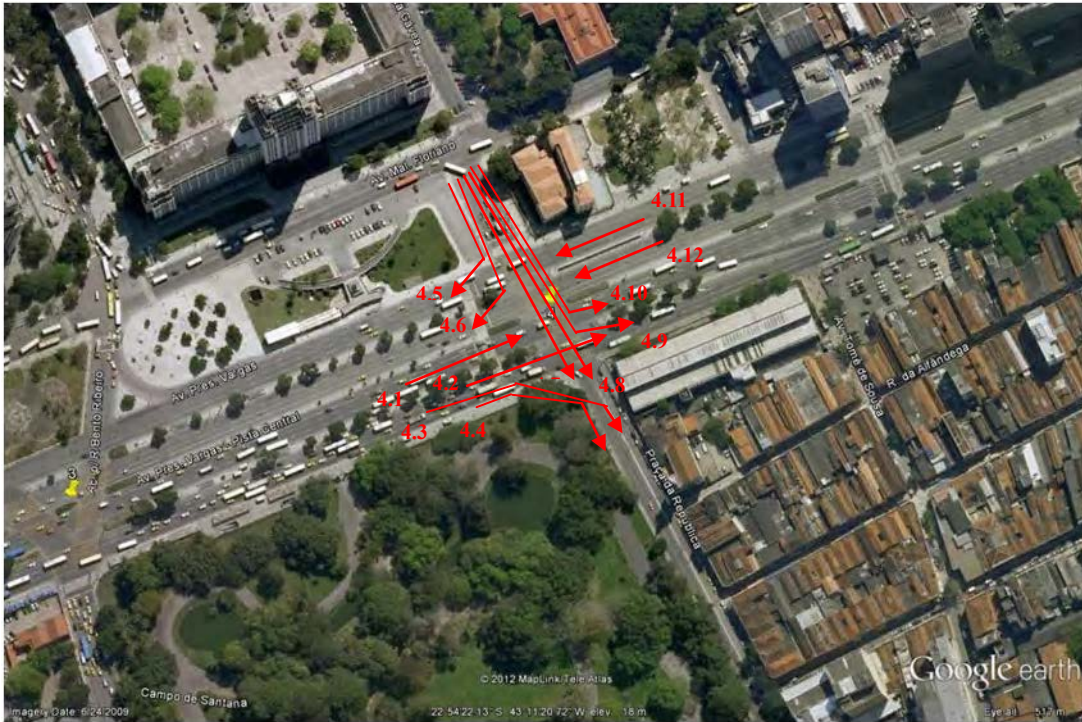
Flow 4.2



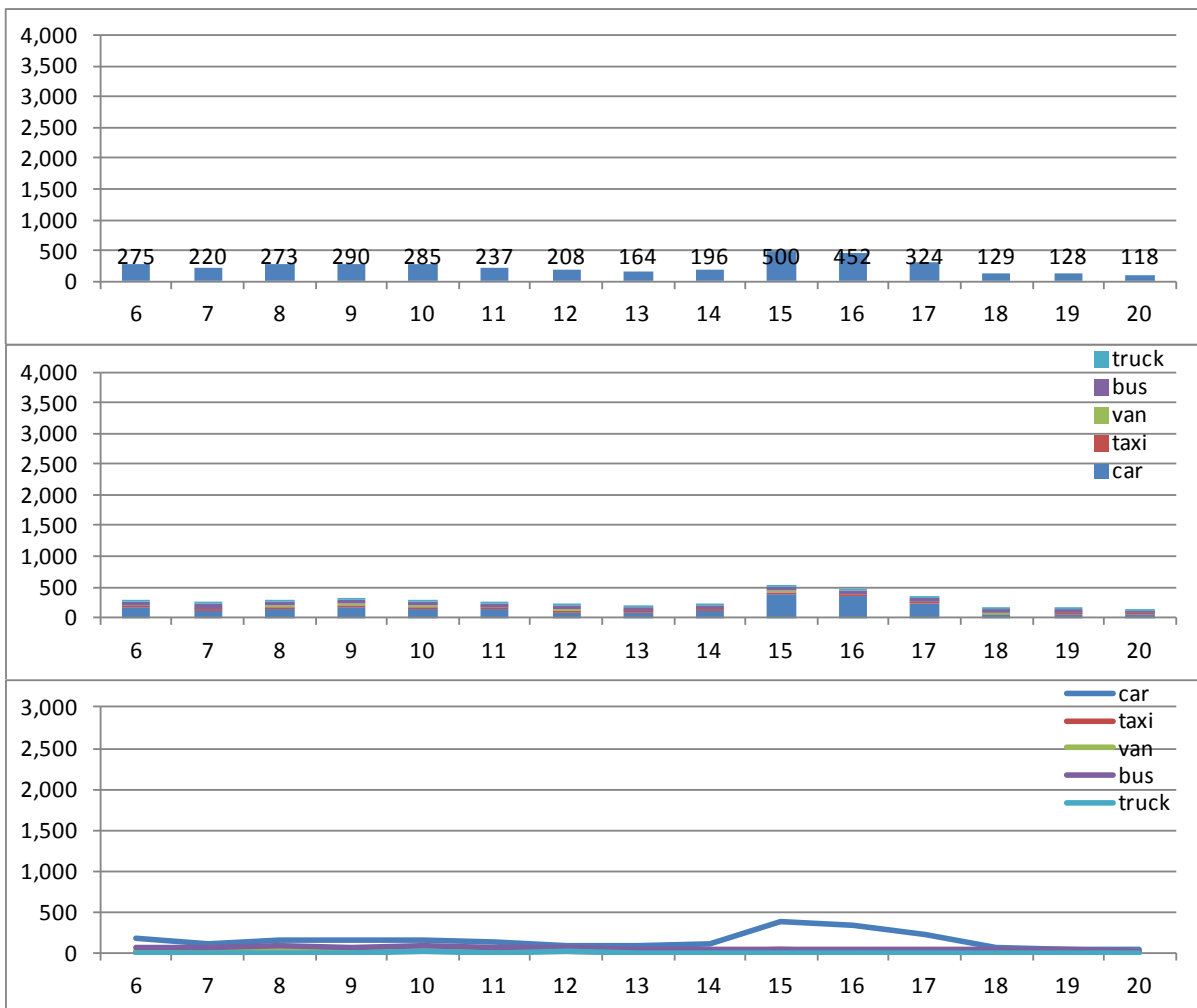


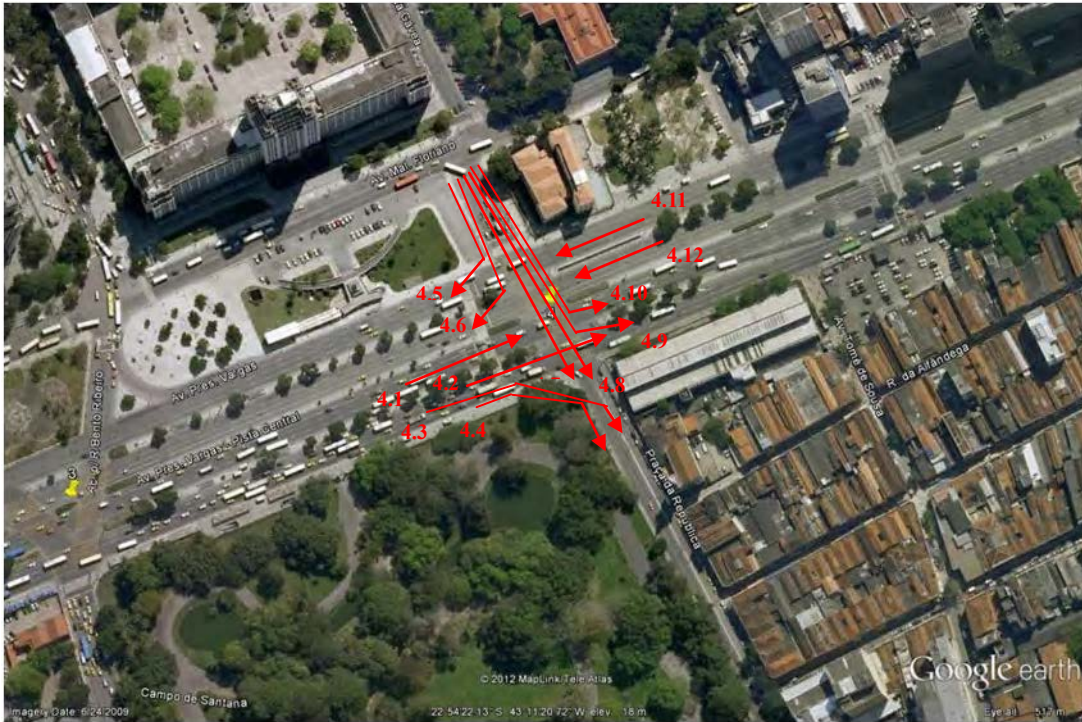
Flow 4.3



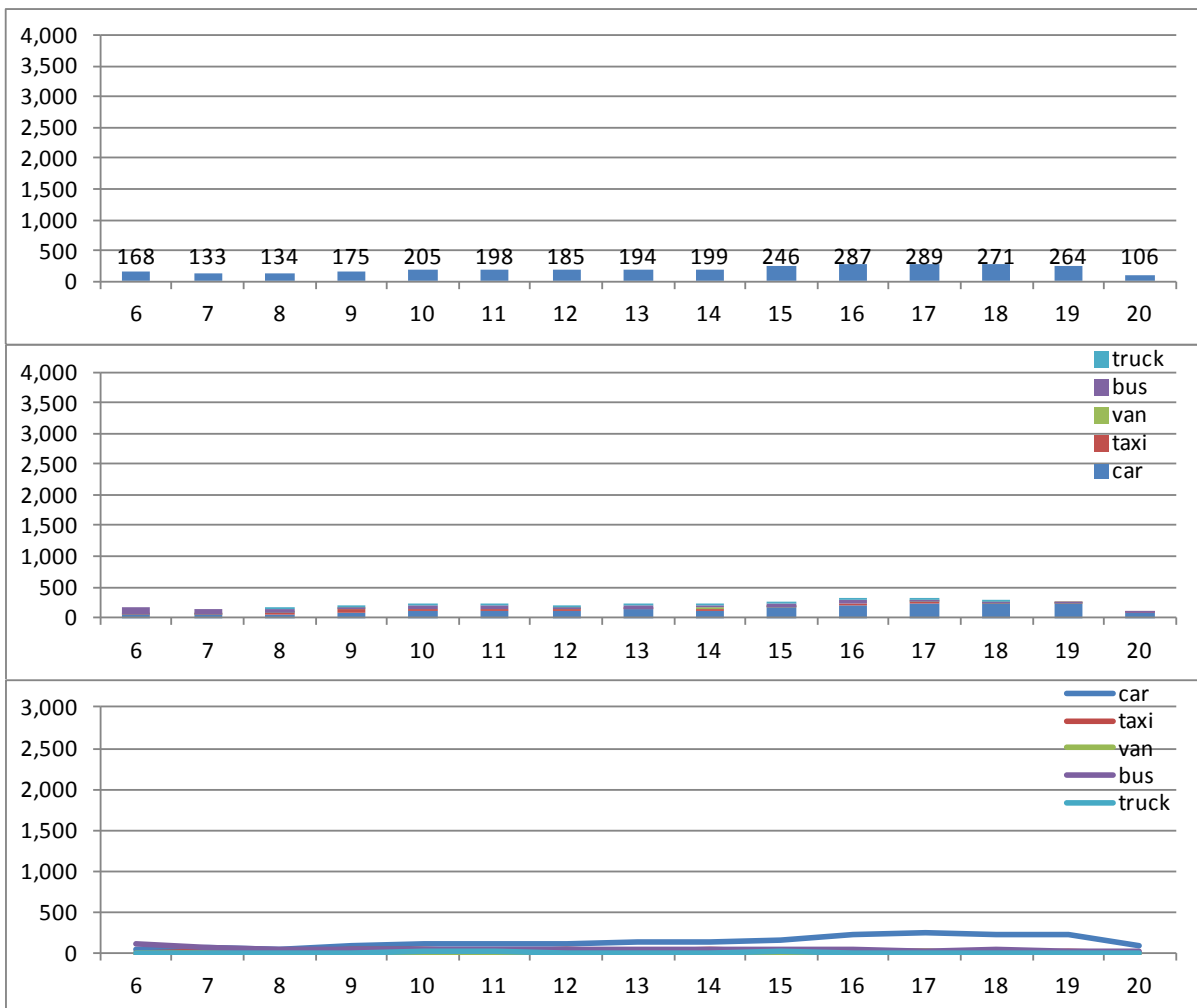


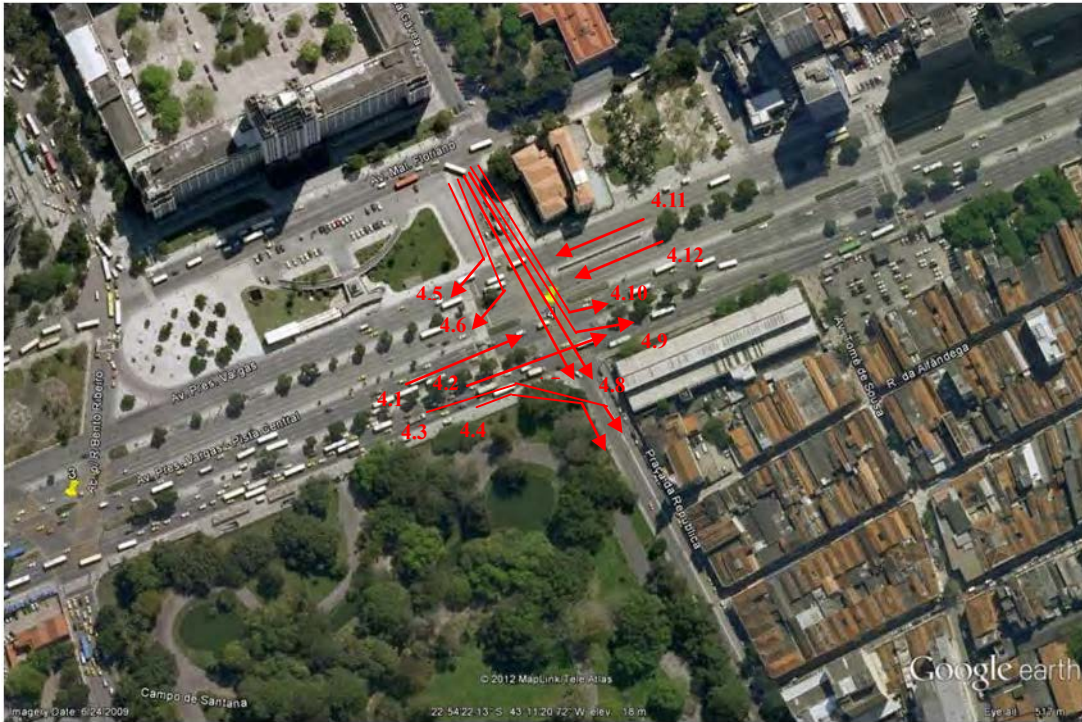
Flow 4.4



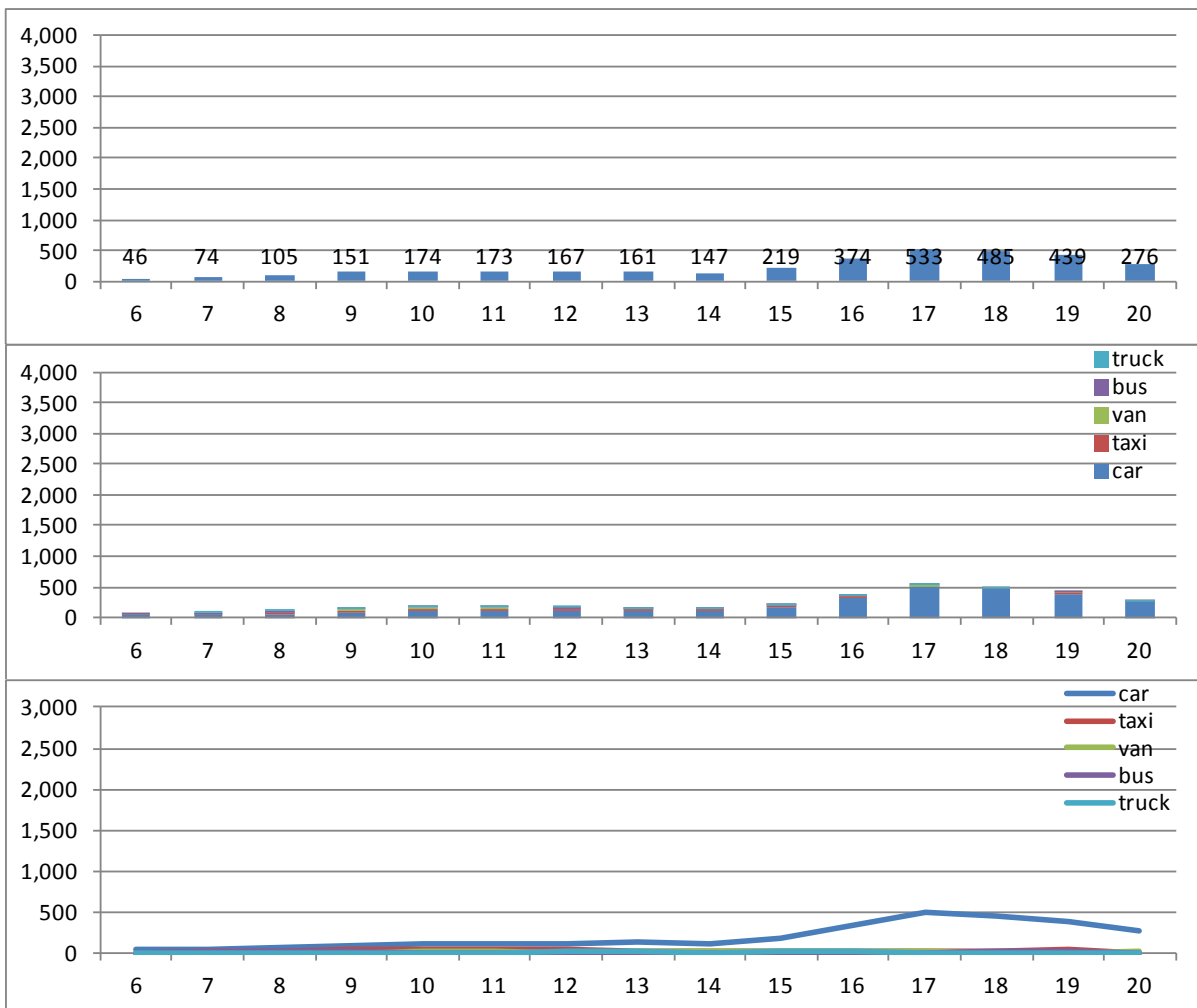


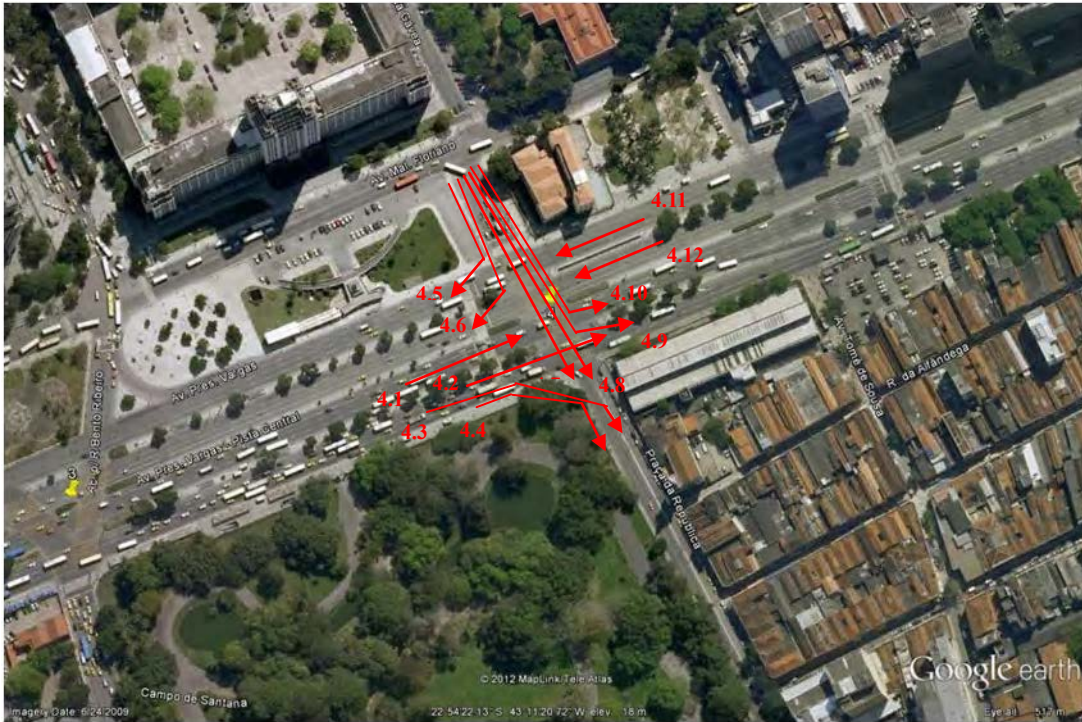
Flow 4.5



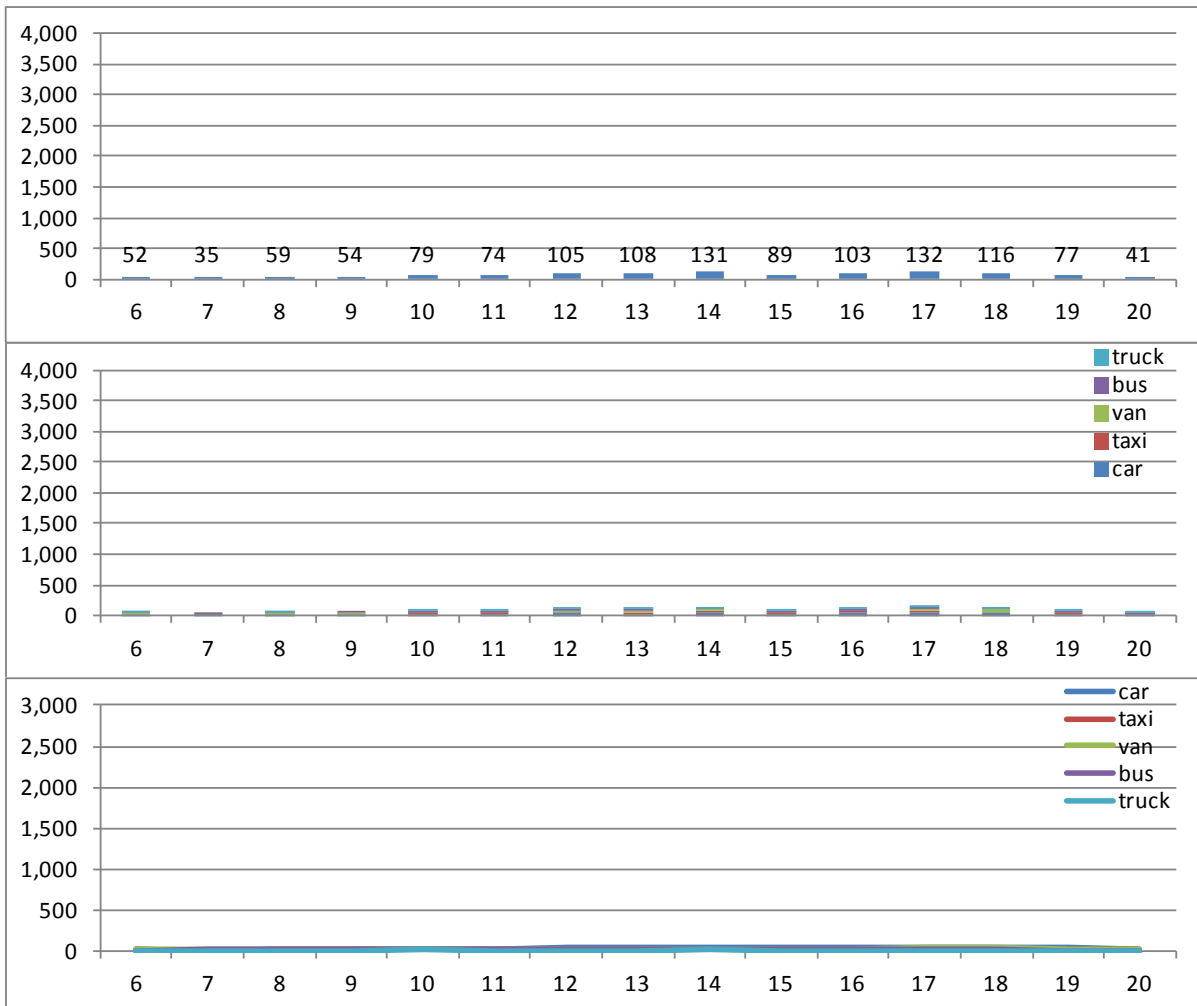


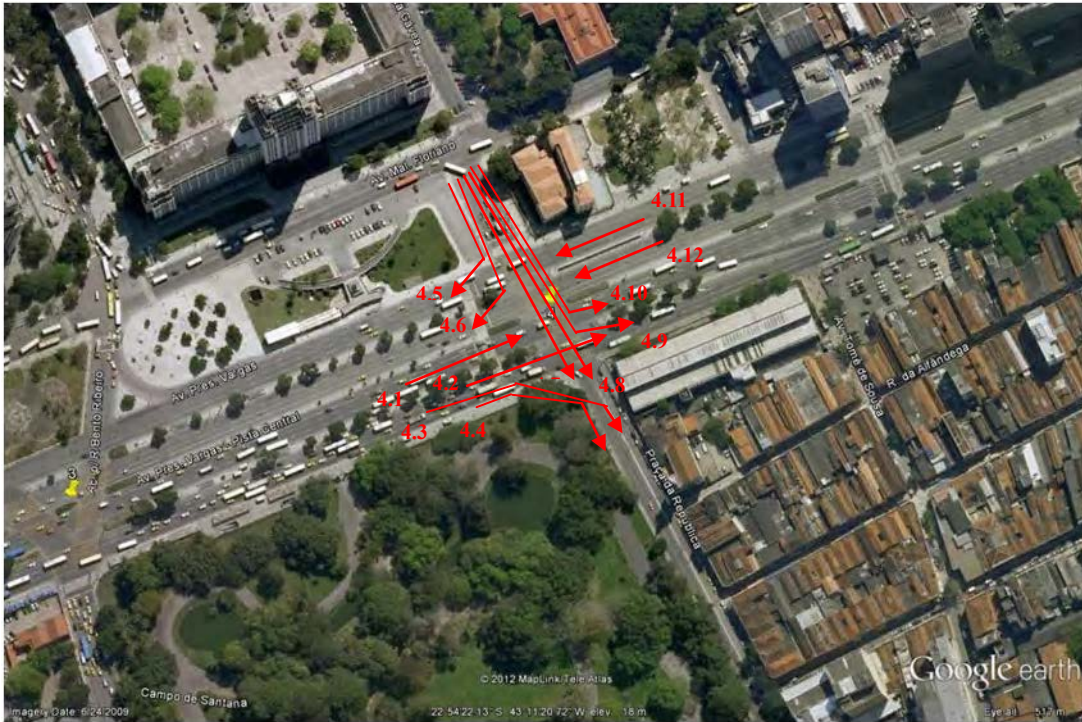
Flow 4.6



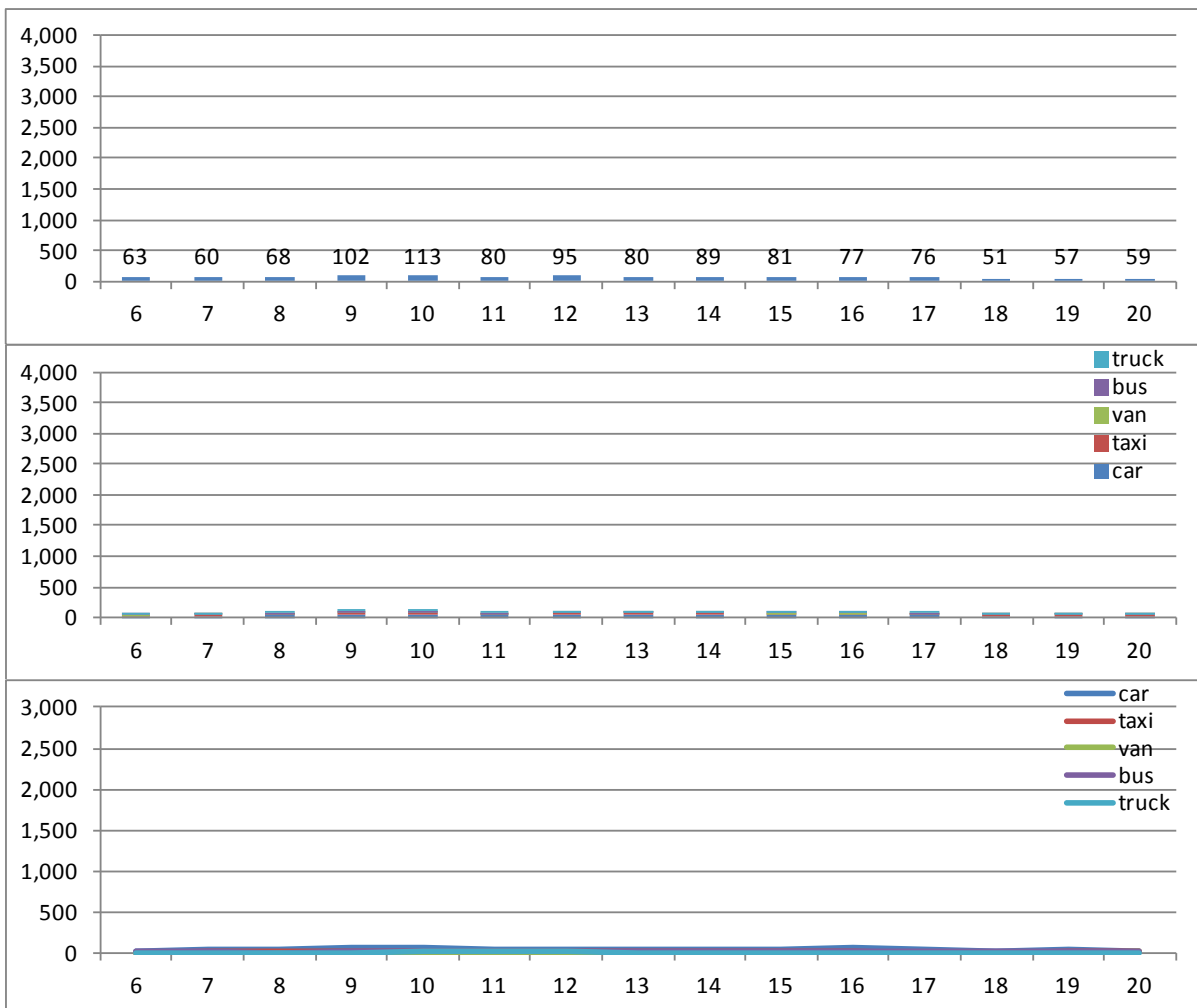


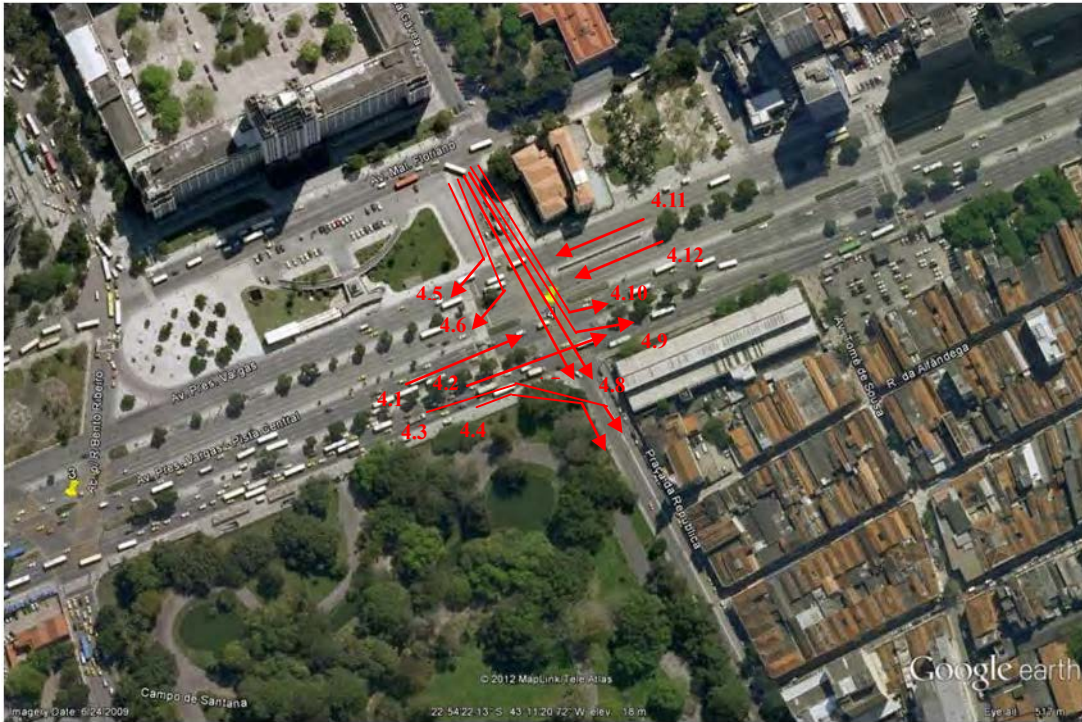
Flow 4.7



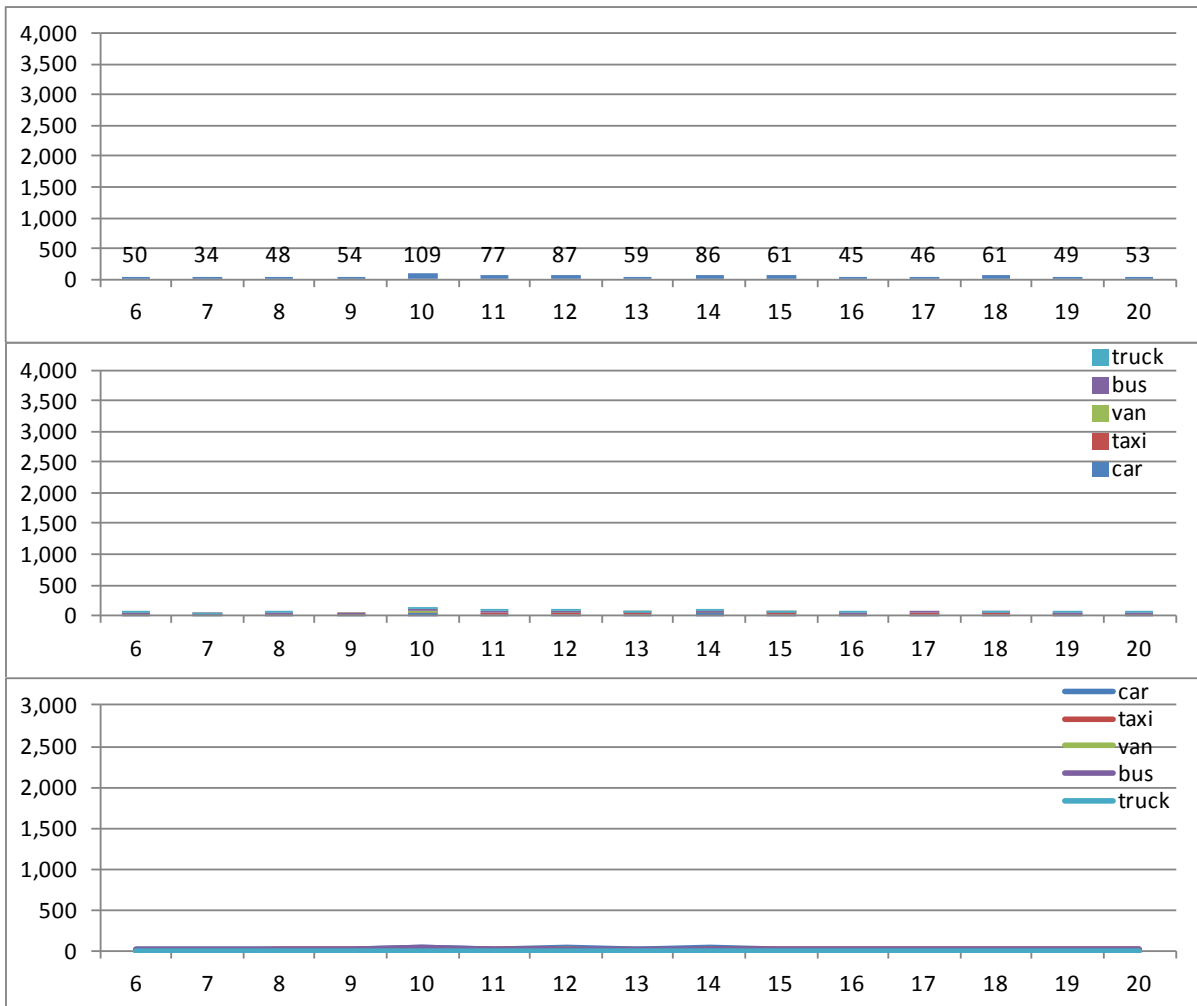


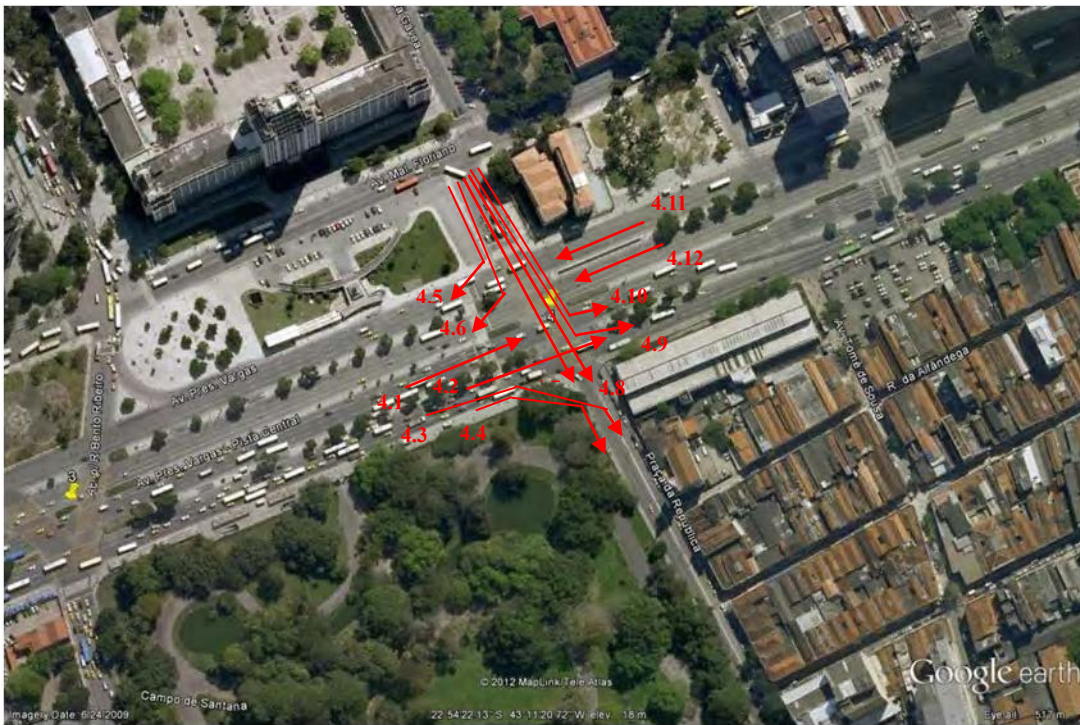
Flow 4.8



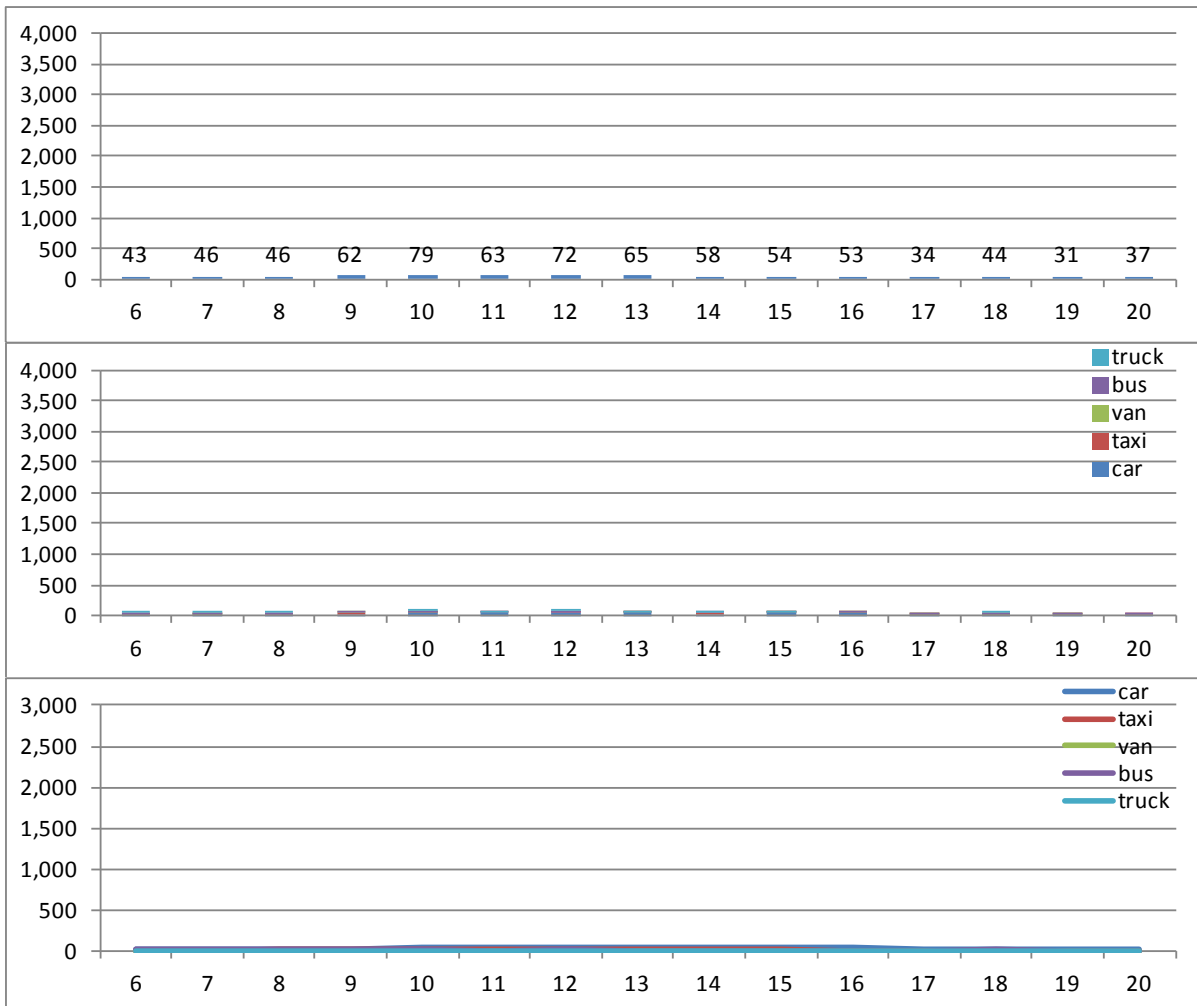


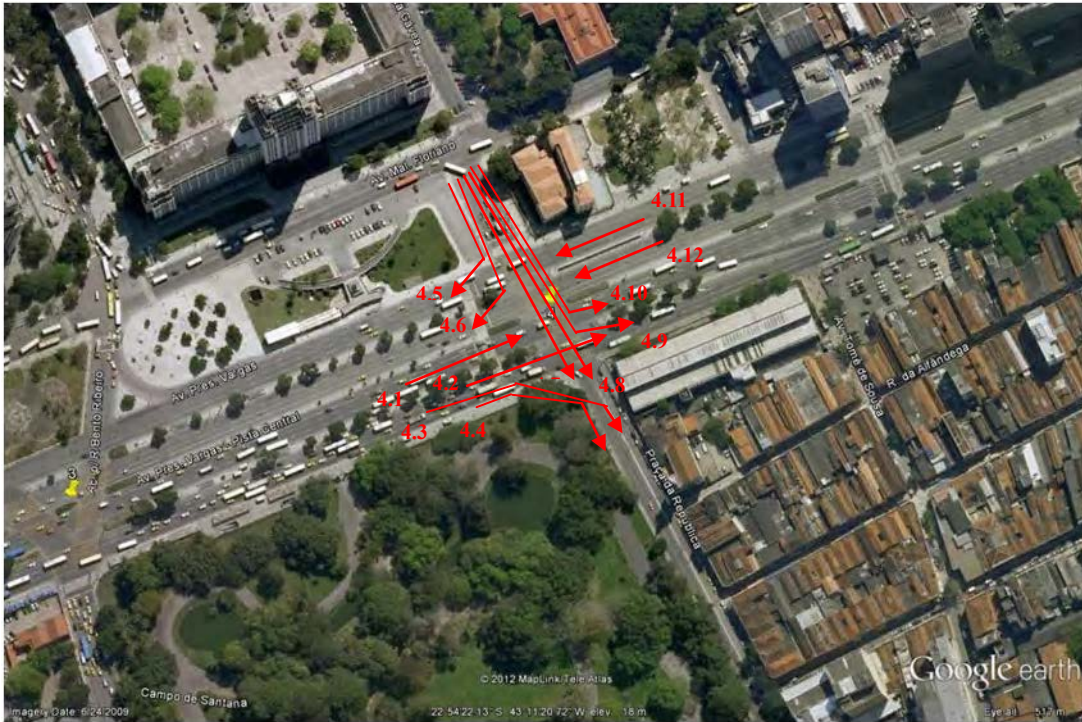
Flow 4.9



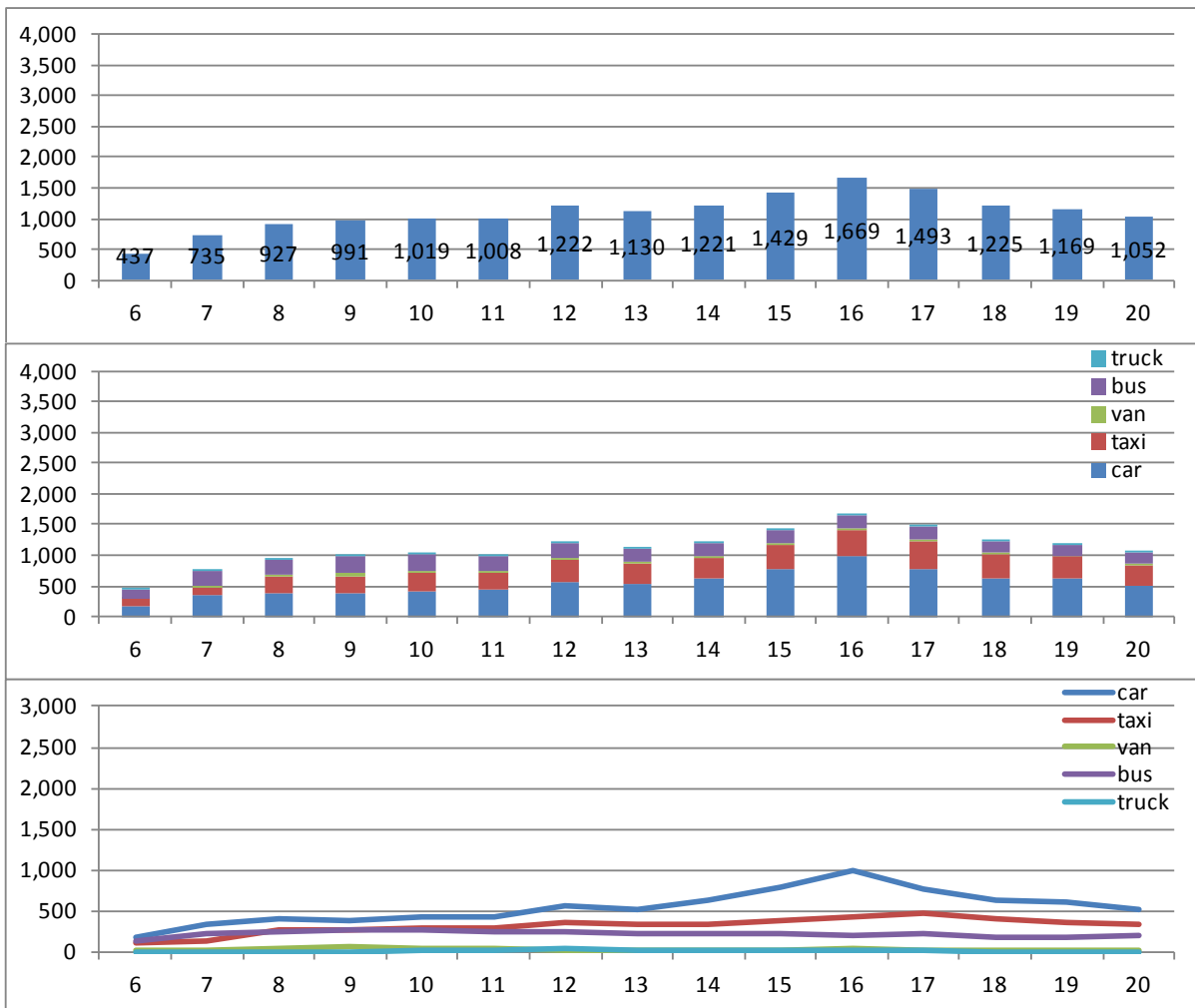


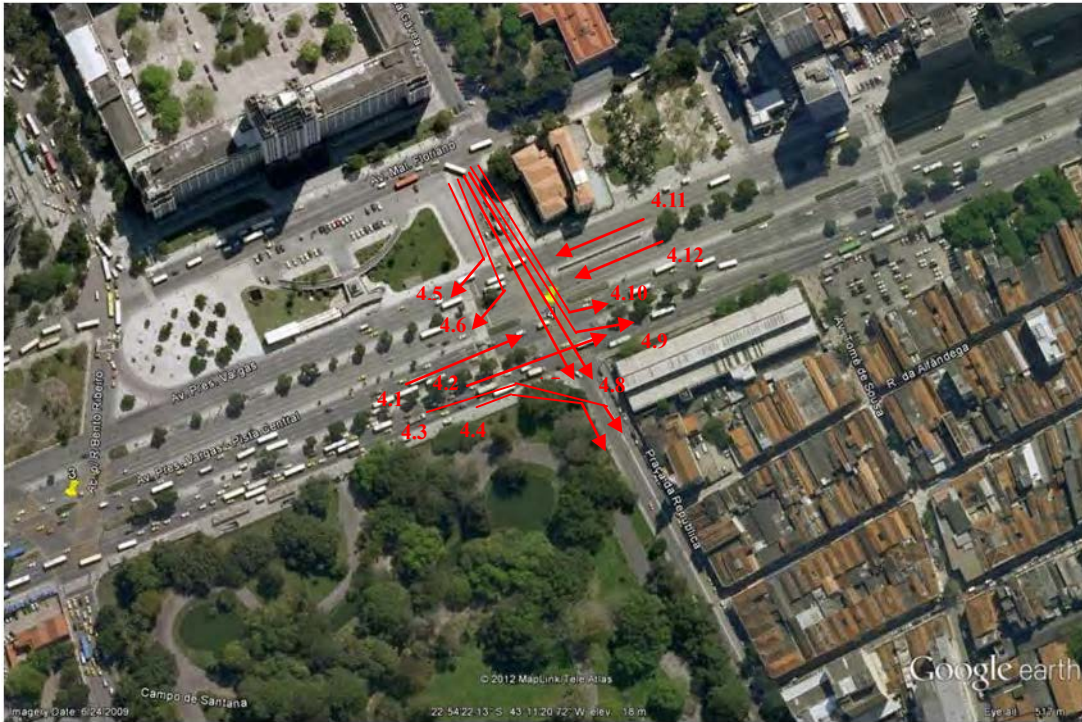
Flow 4.10



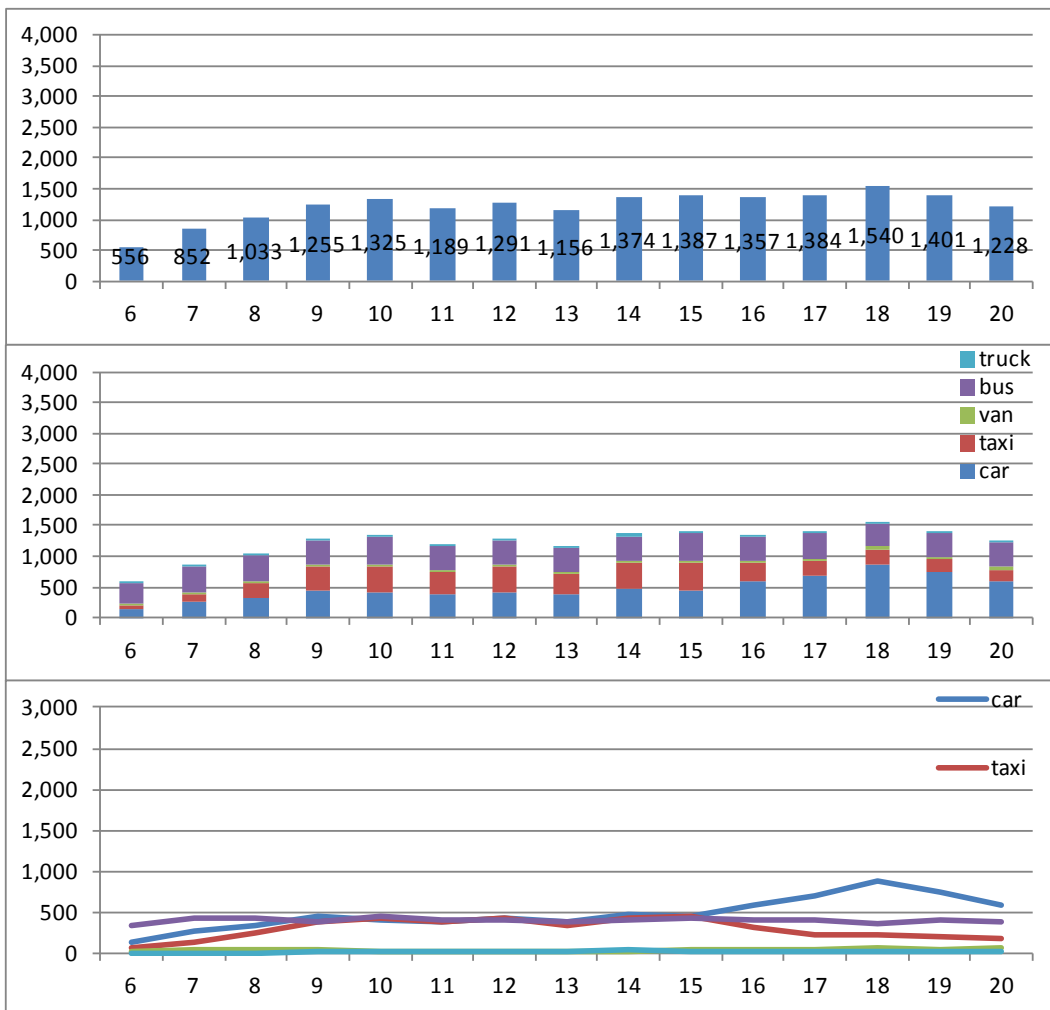


Flow 4.11





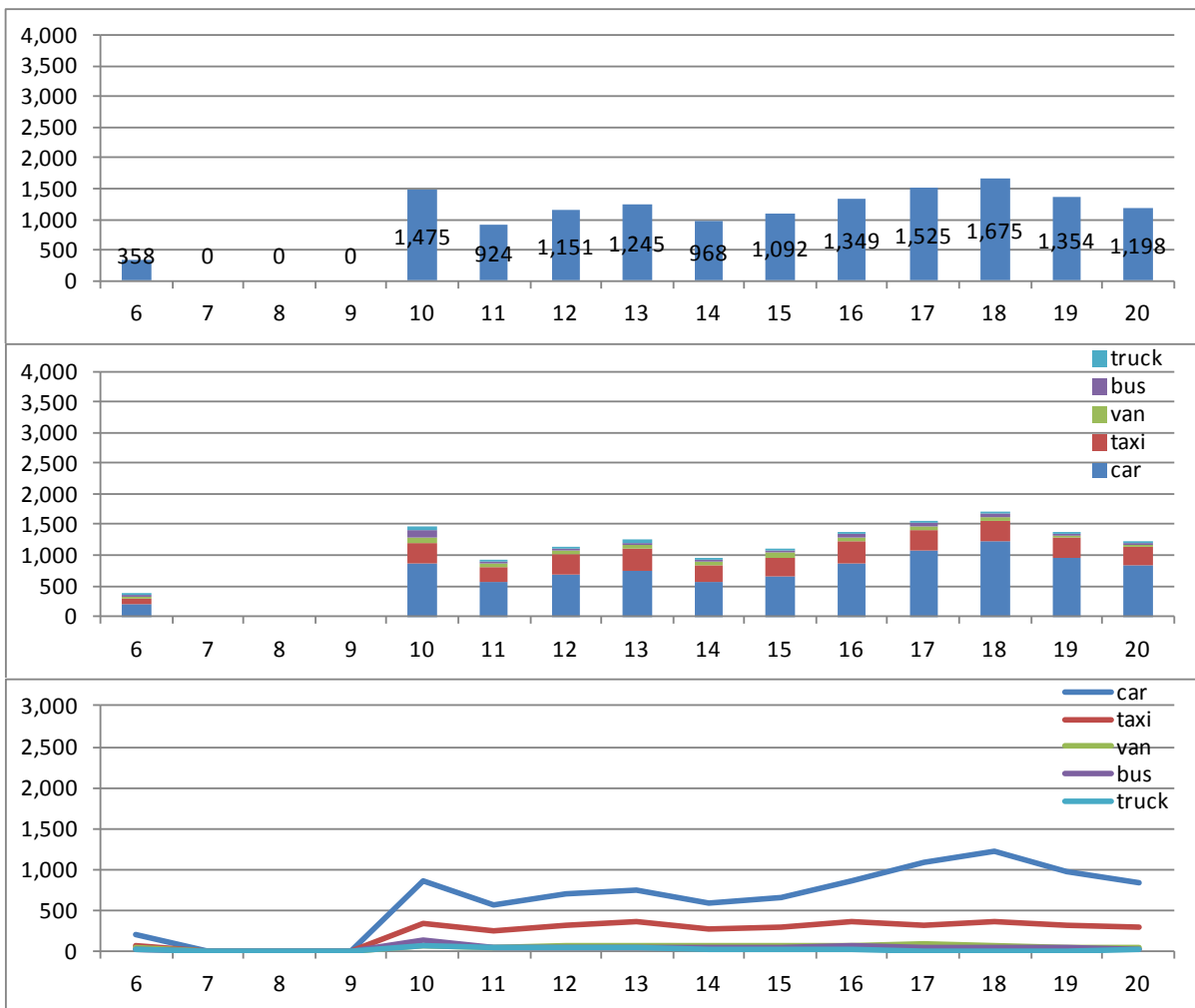
Flow 4.12



v) Av. Nossa Senhora de Copacabana - Av. Princesa Isabel

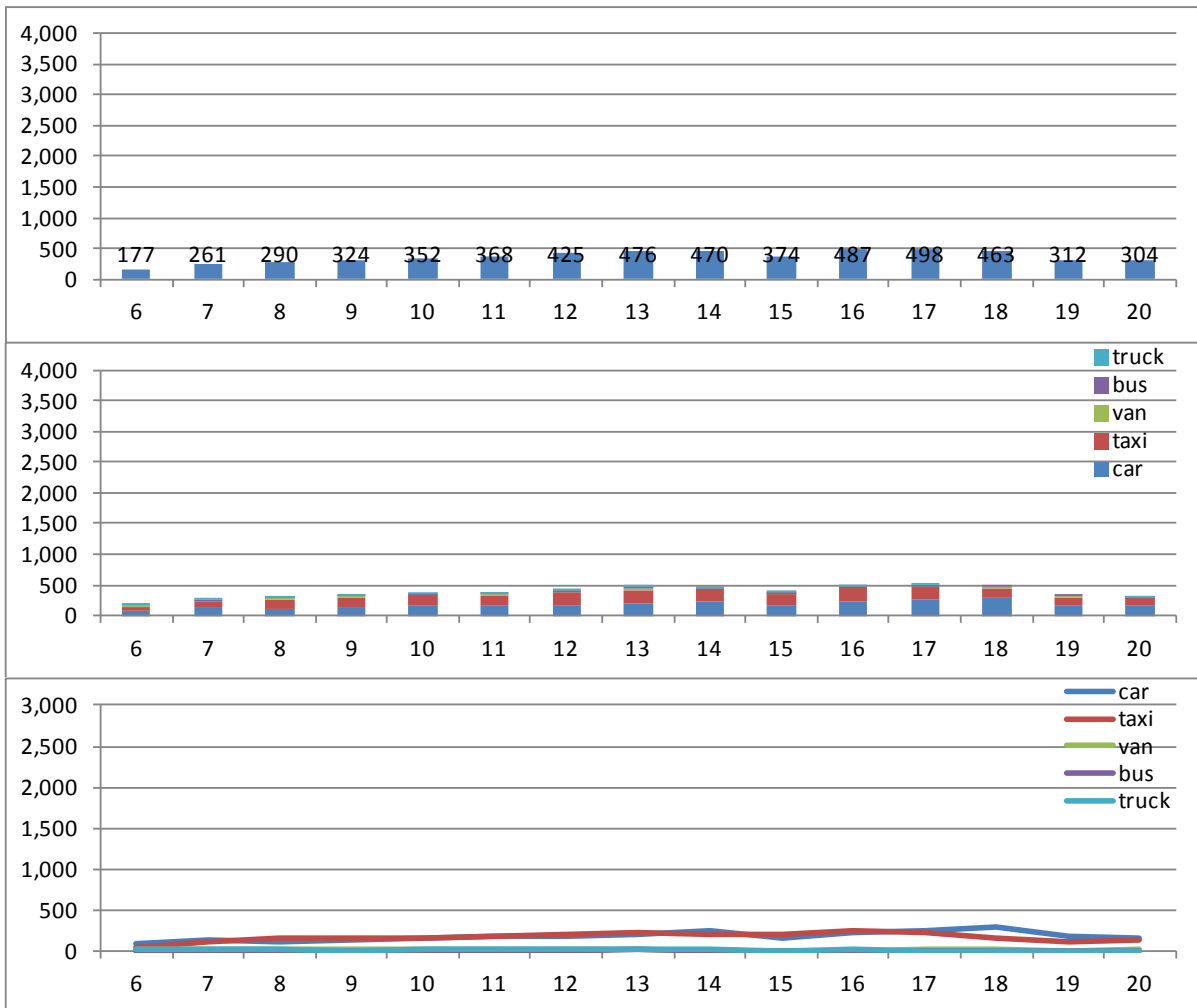


Flow 5.1



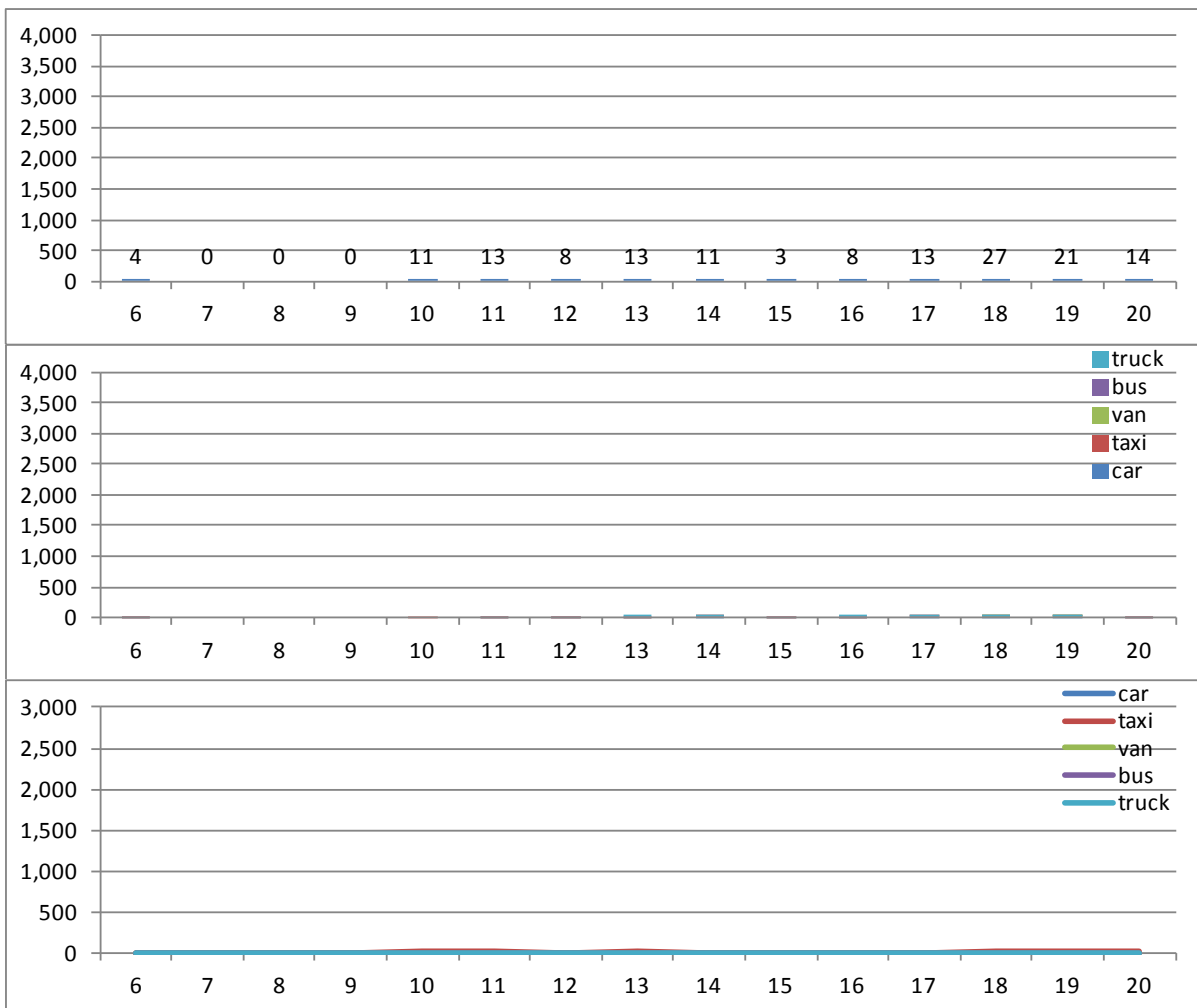


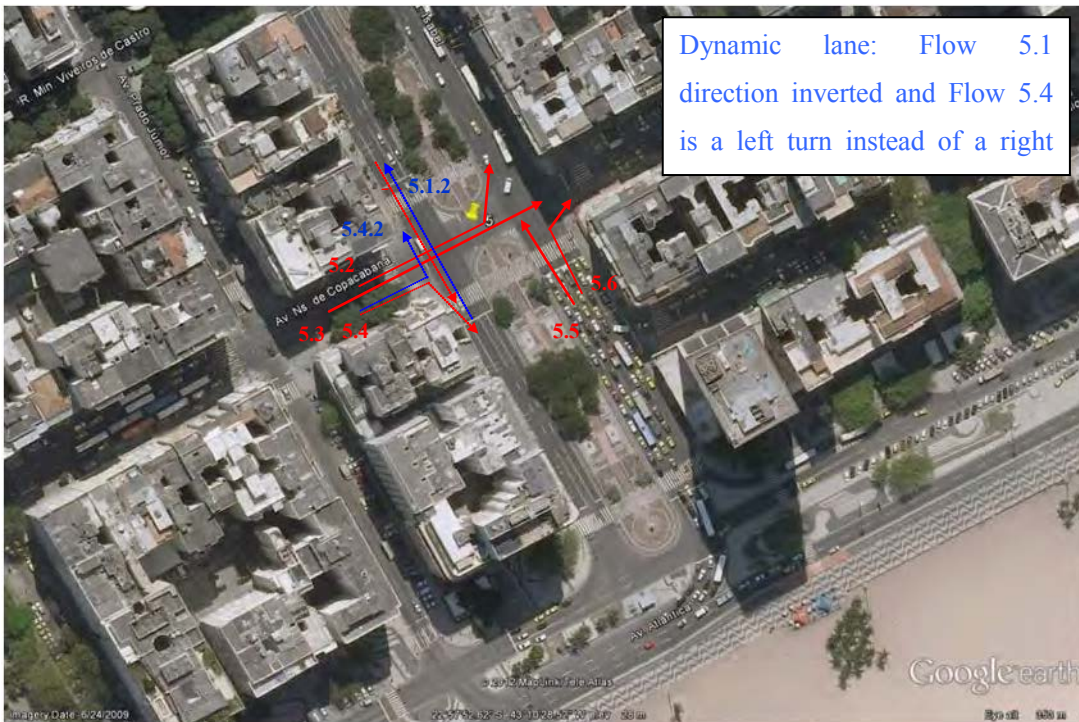
Flow 5.2



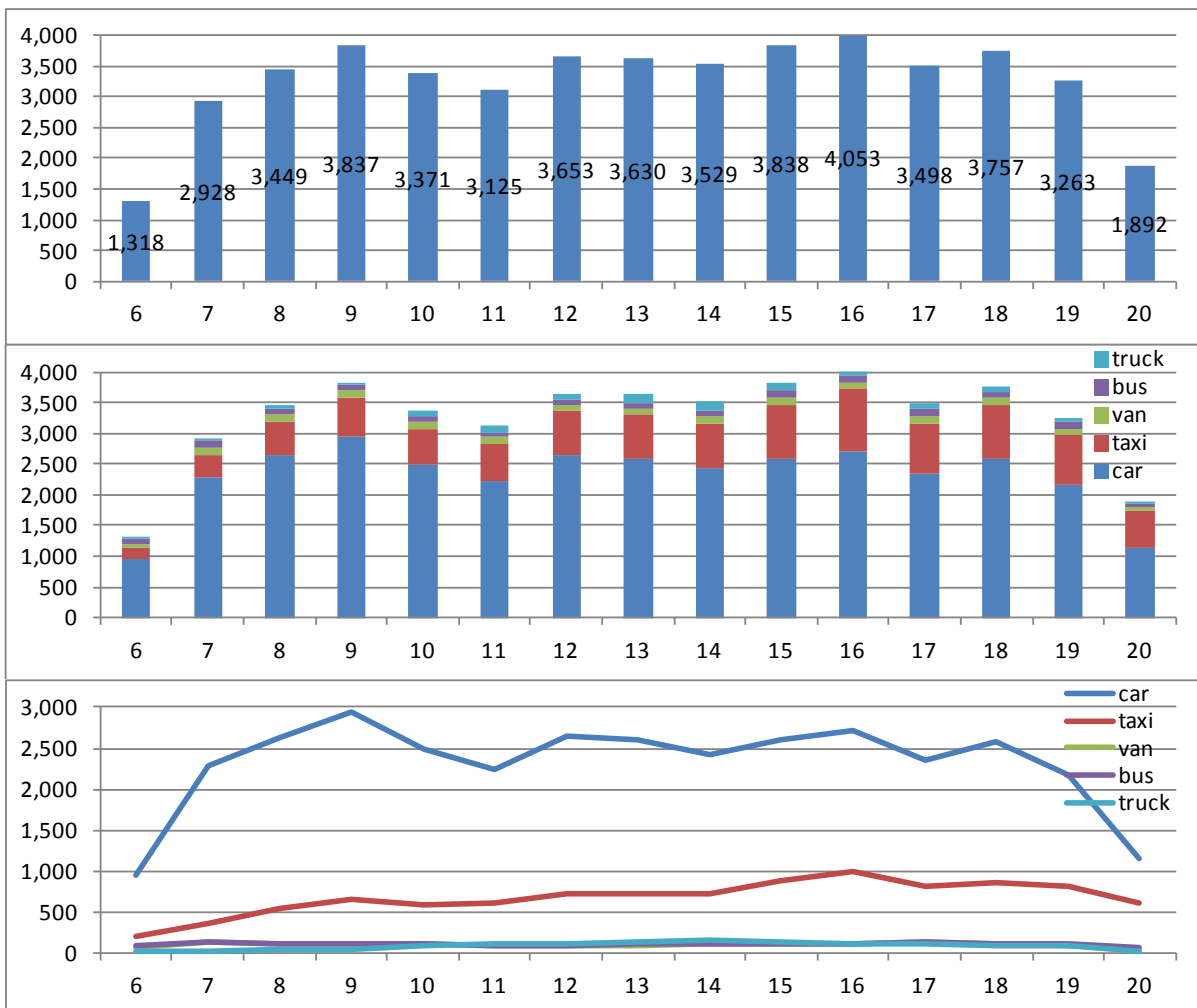


Flow 5.3



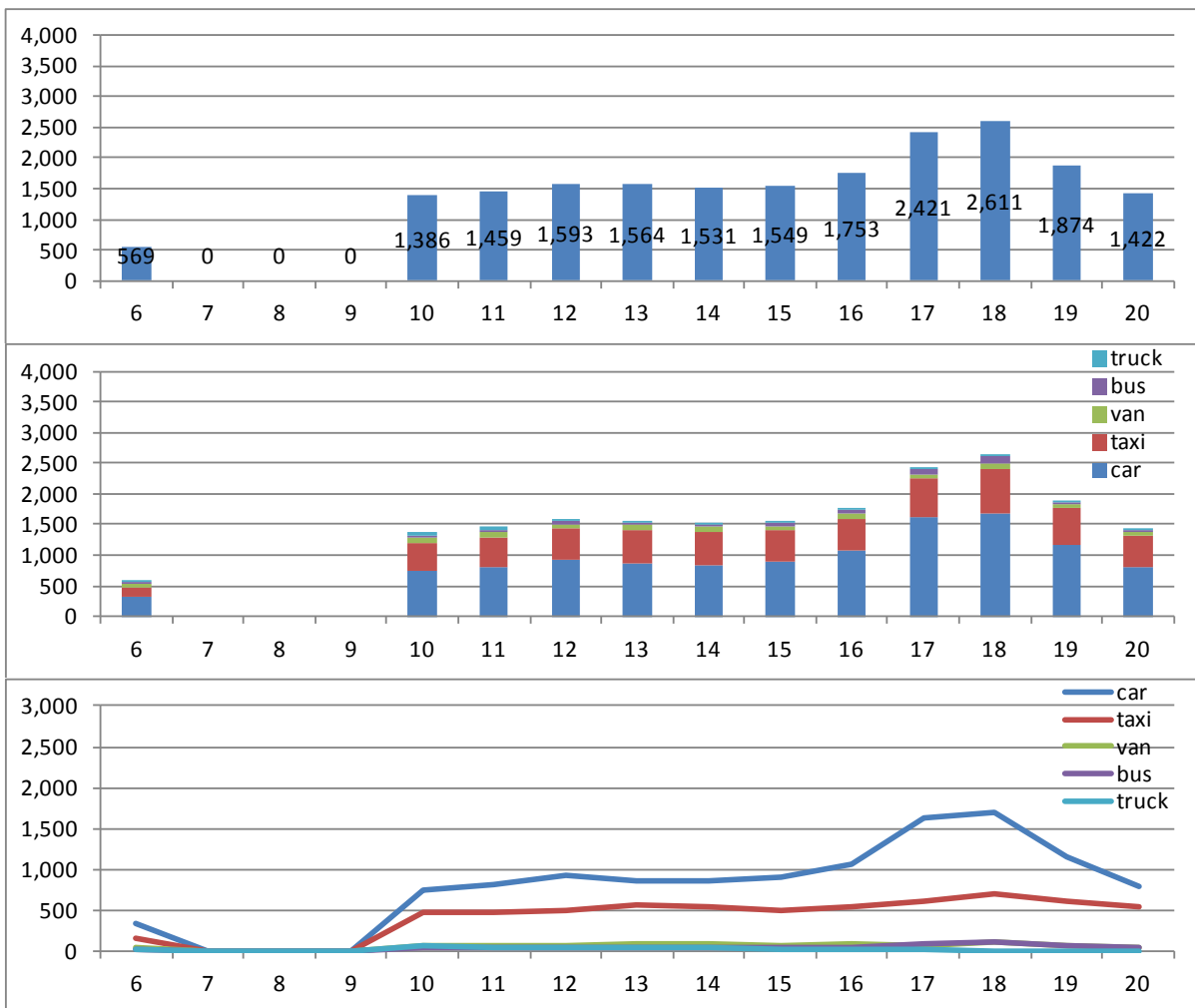


Flow 5.4



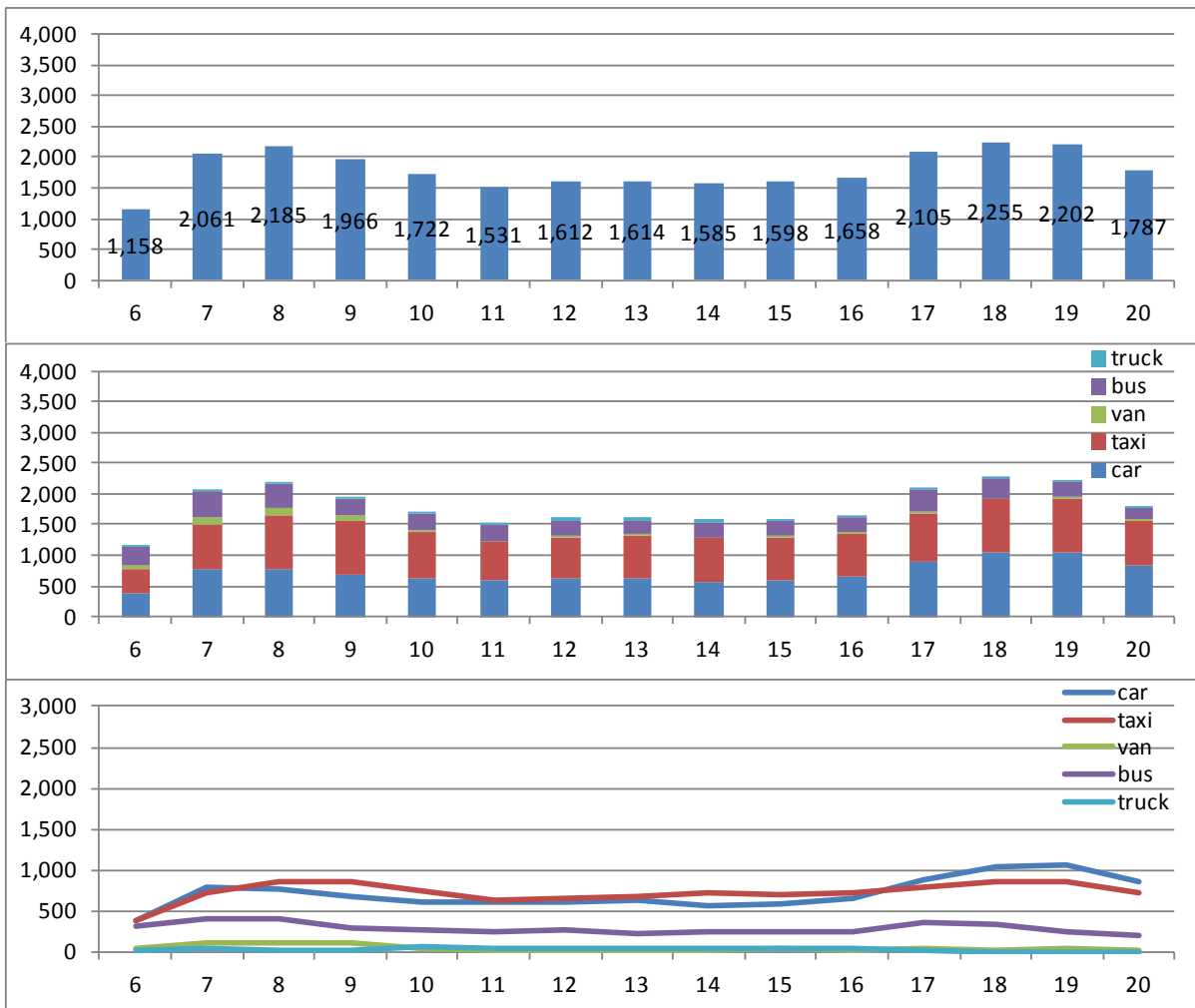


Flow 5.5



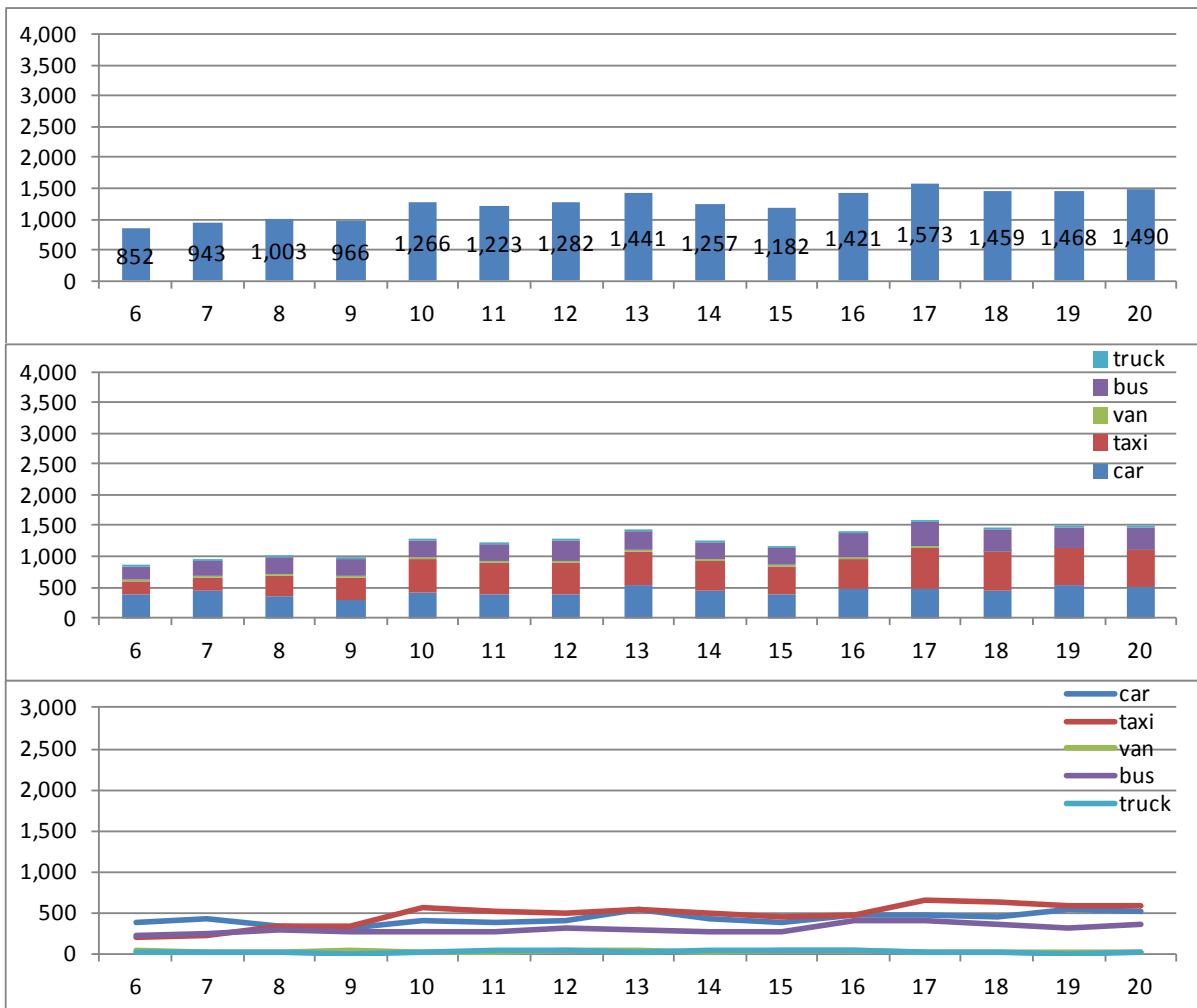


Flow 5.6



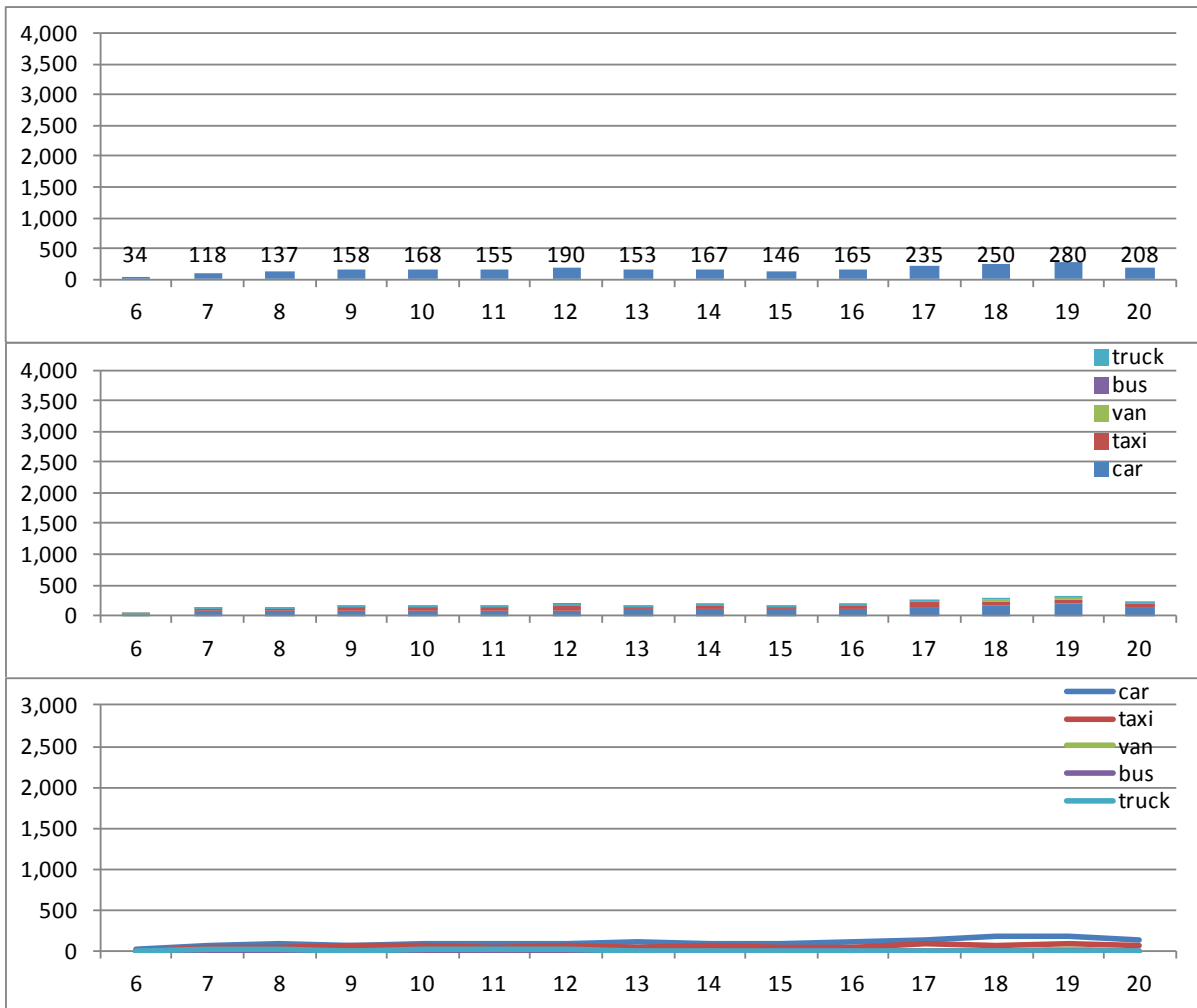


Flow 5.1_2





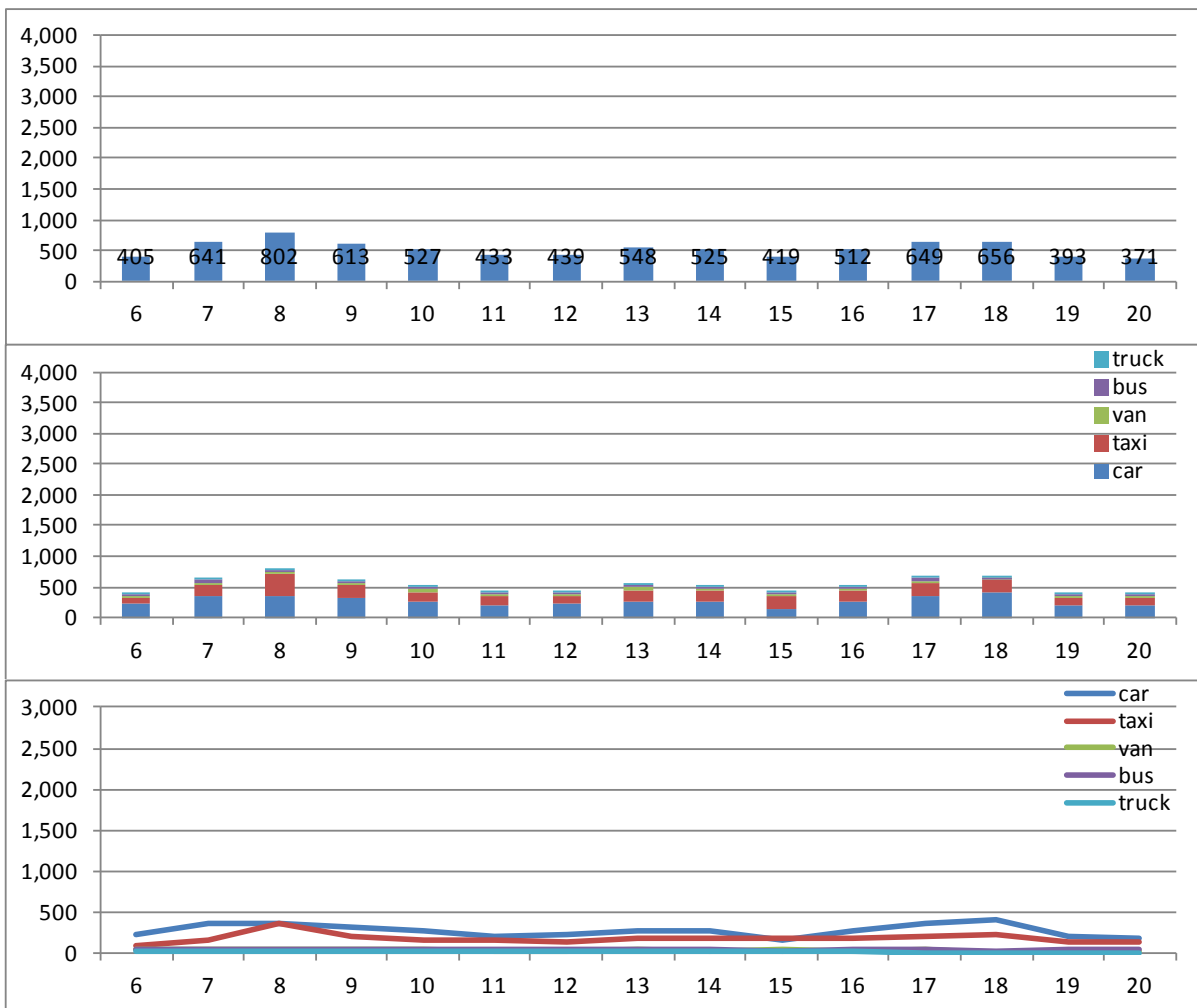
Flow 5.4_2



vi) Av. Barata Ribeiro - Av. Princesa Isabel

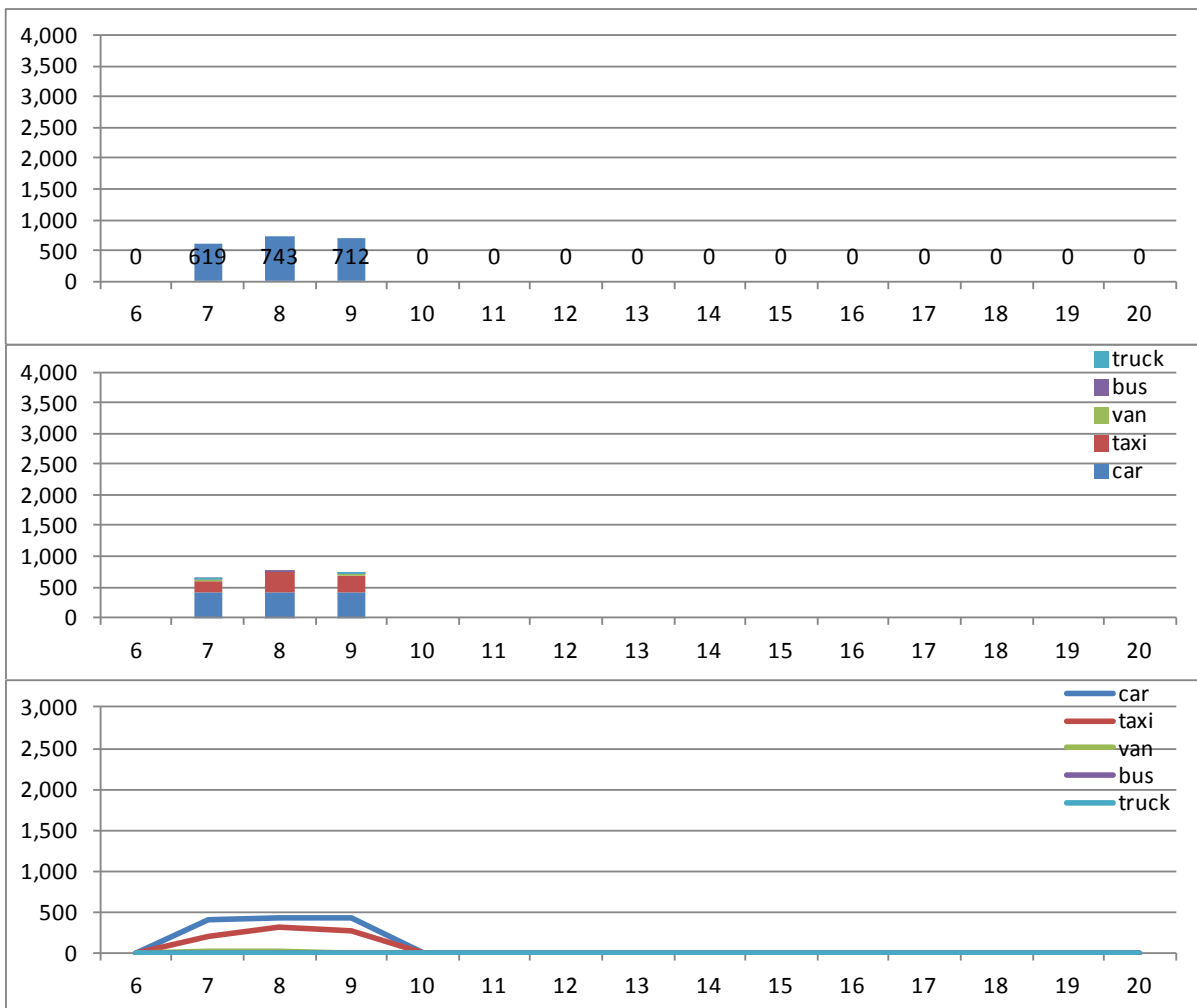


Flow 6.1



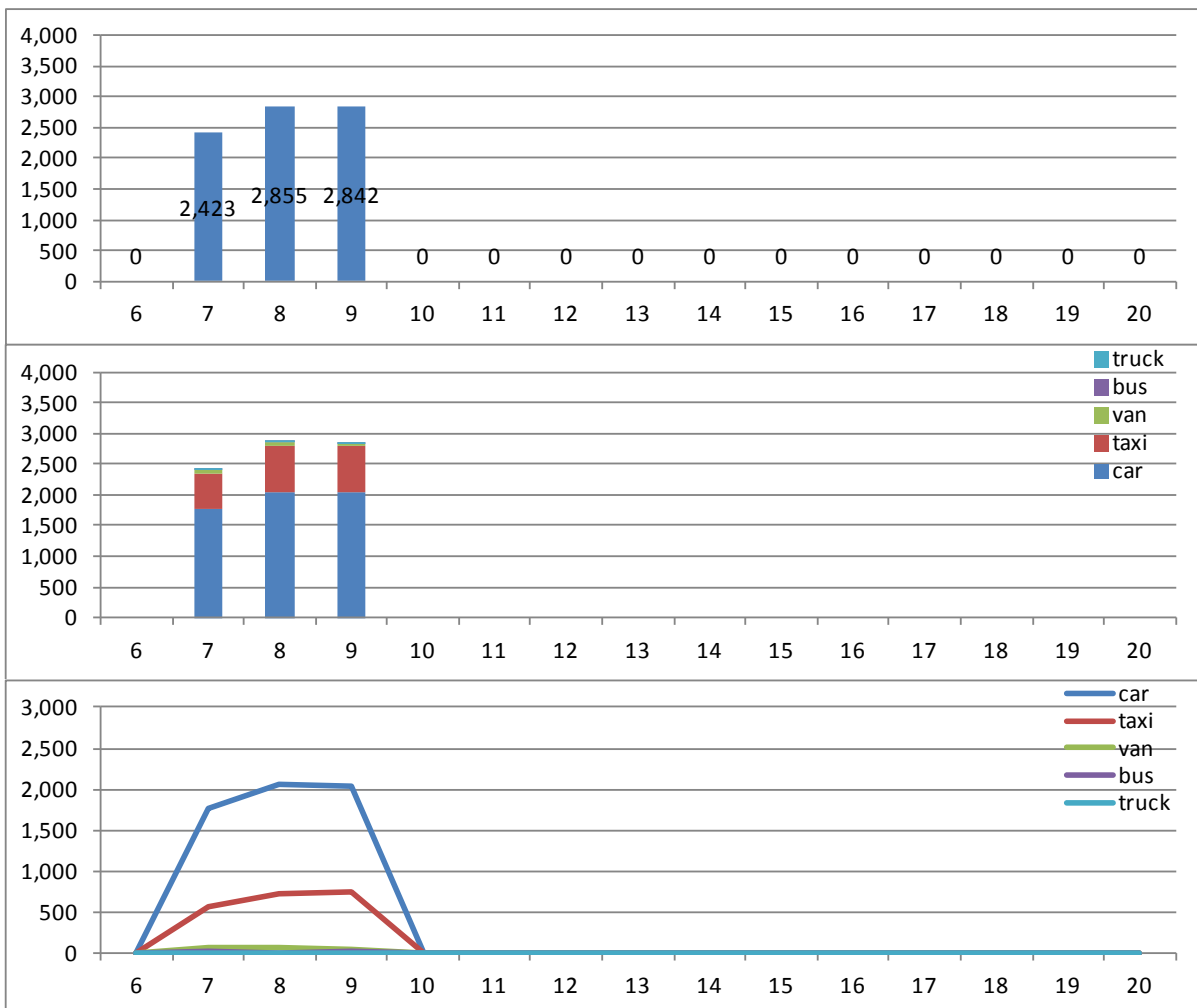


Flow 6.2



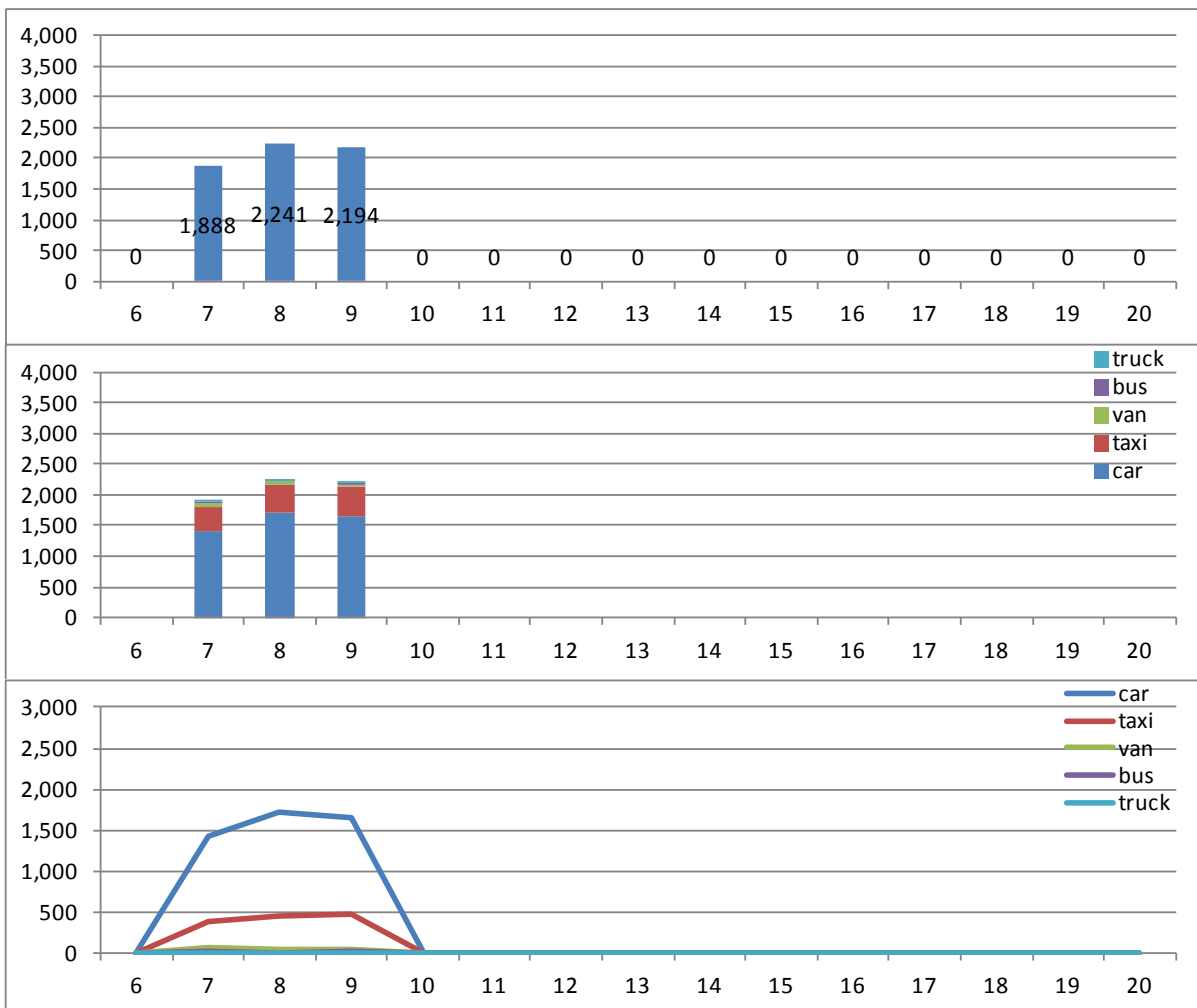


Flow 6.3





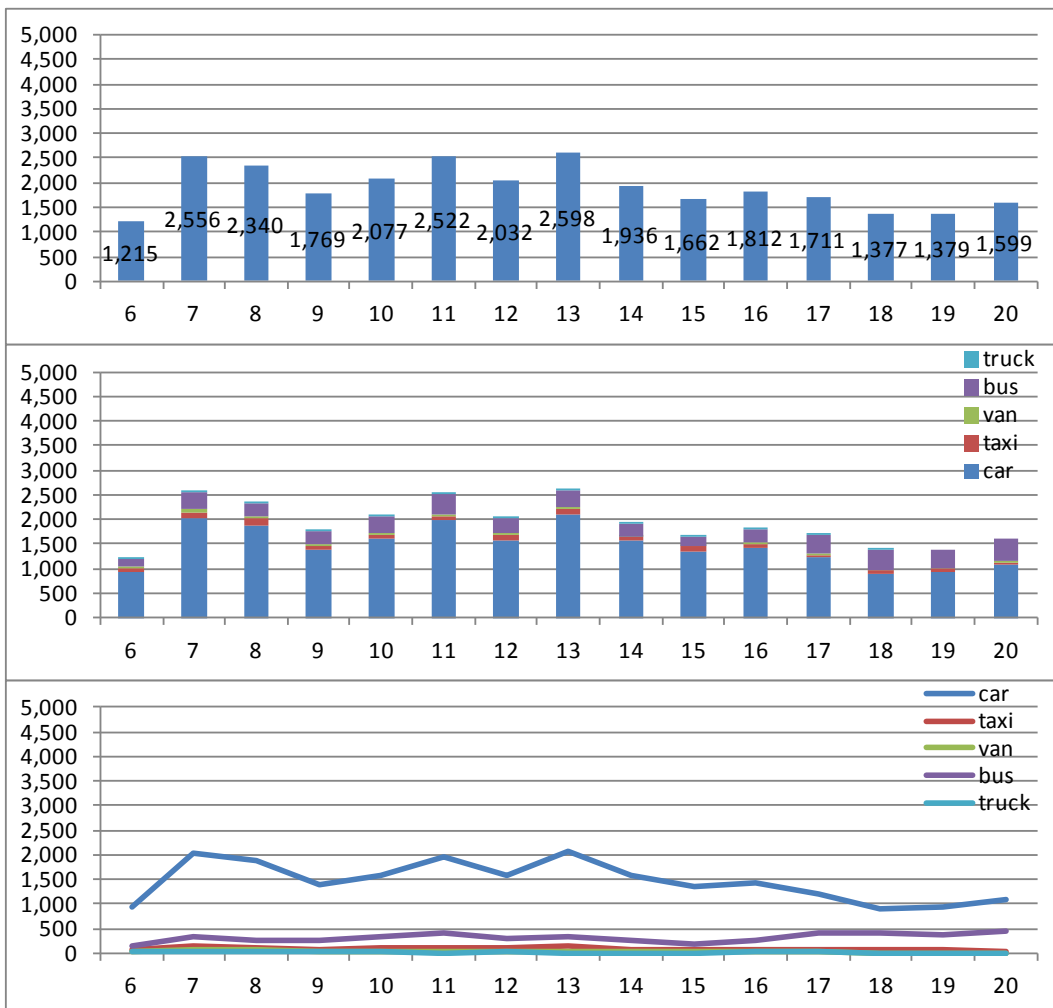
Flow 6.1_2



vii) Av. Presidente Vargas – Av. Francisco Bicalho (North, South, East, West)

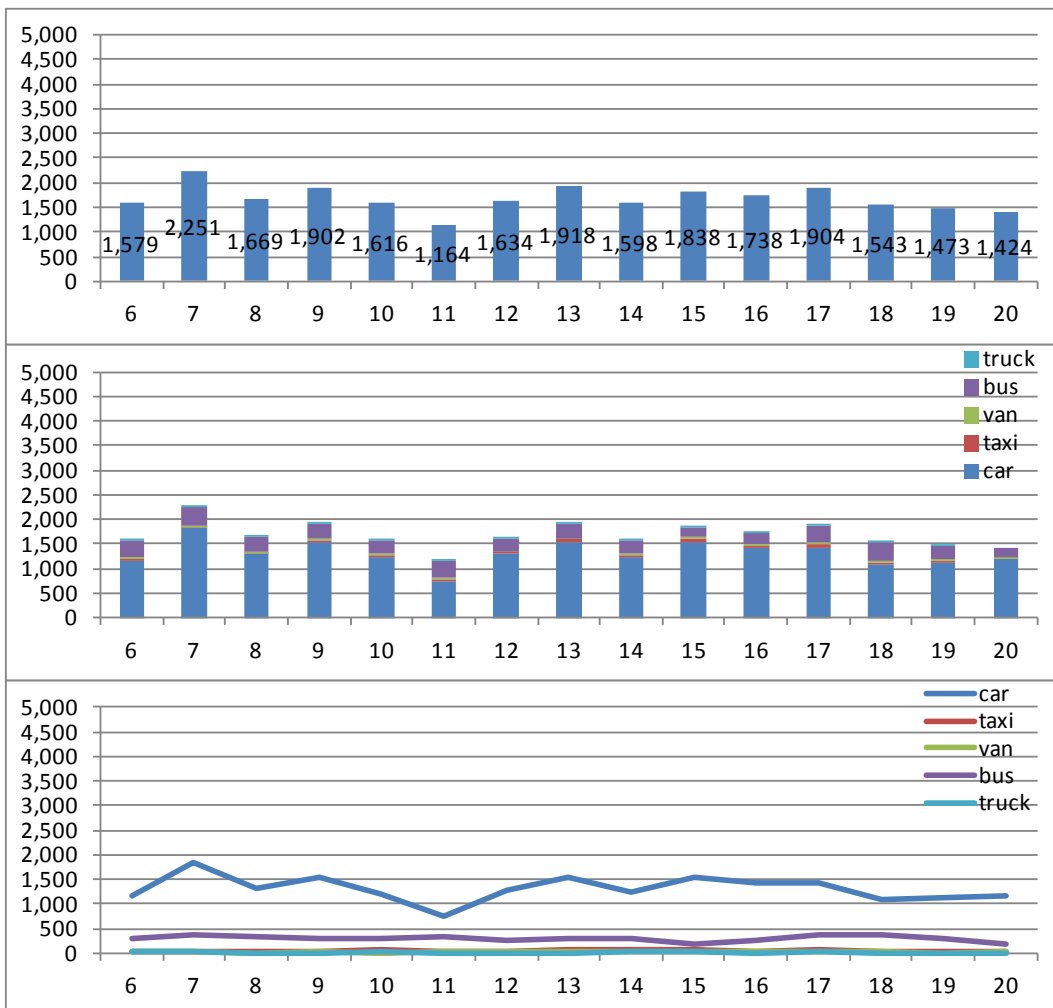


Flow 7.1



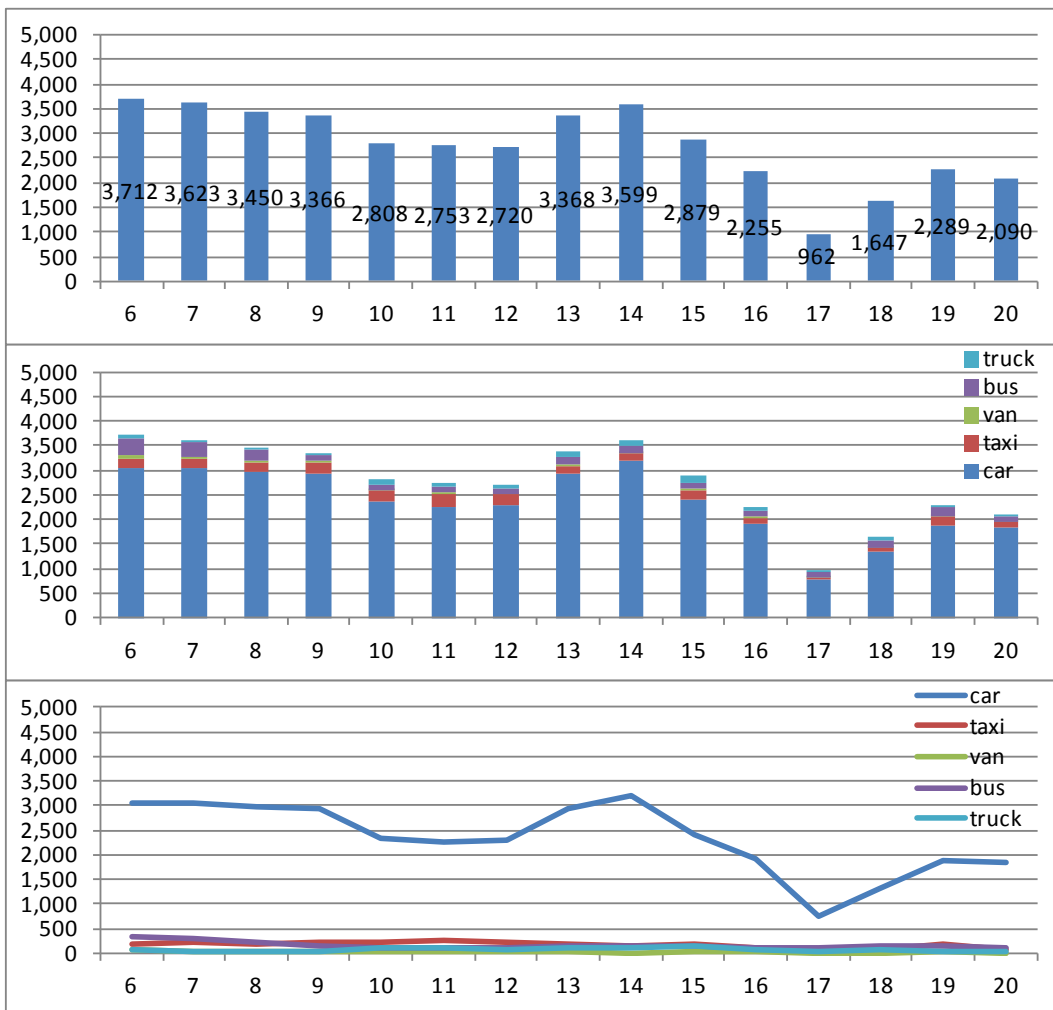


Flow 7.2



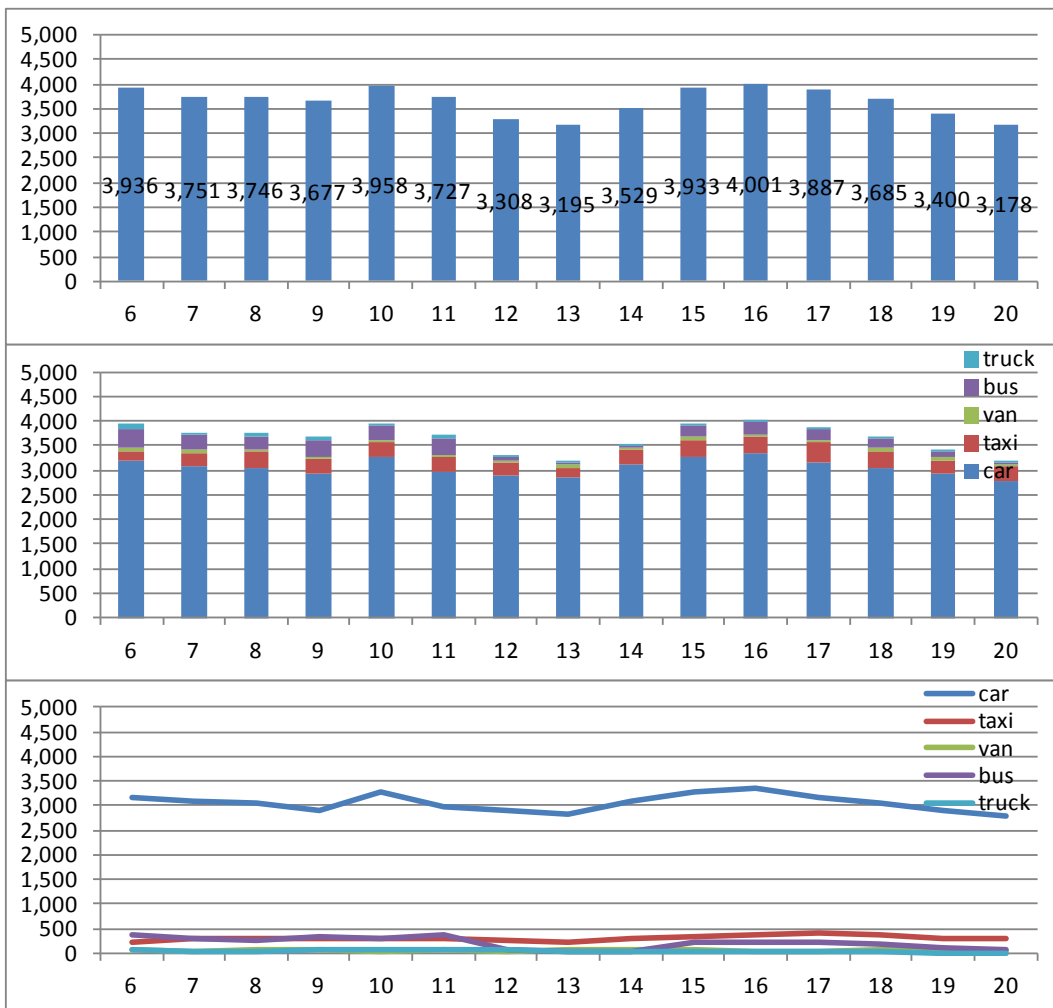


Flow 7.3



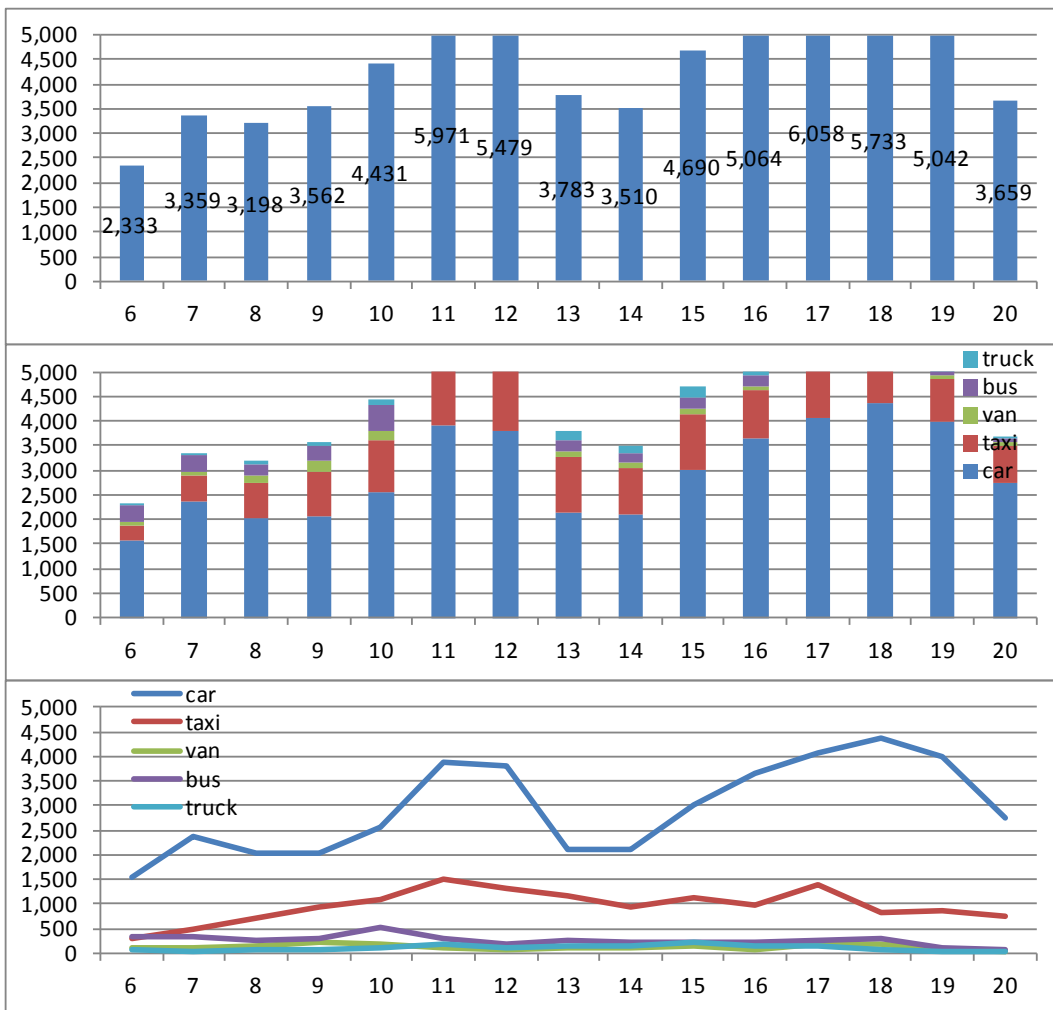


Flow 7.4



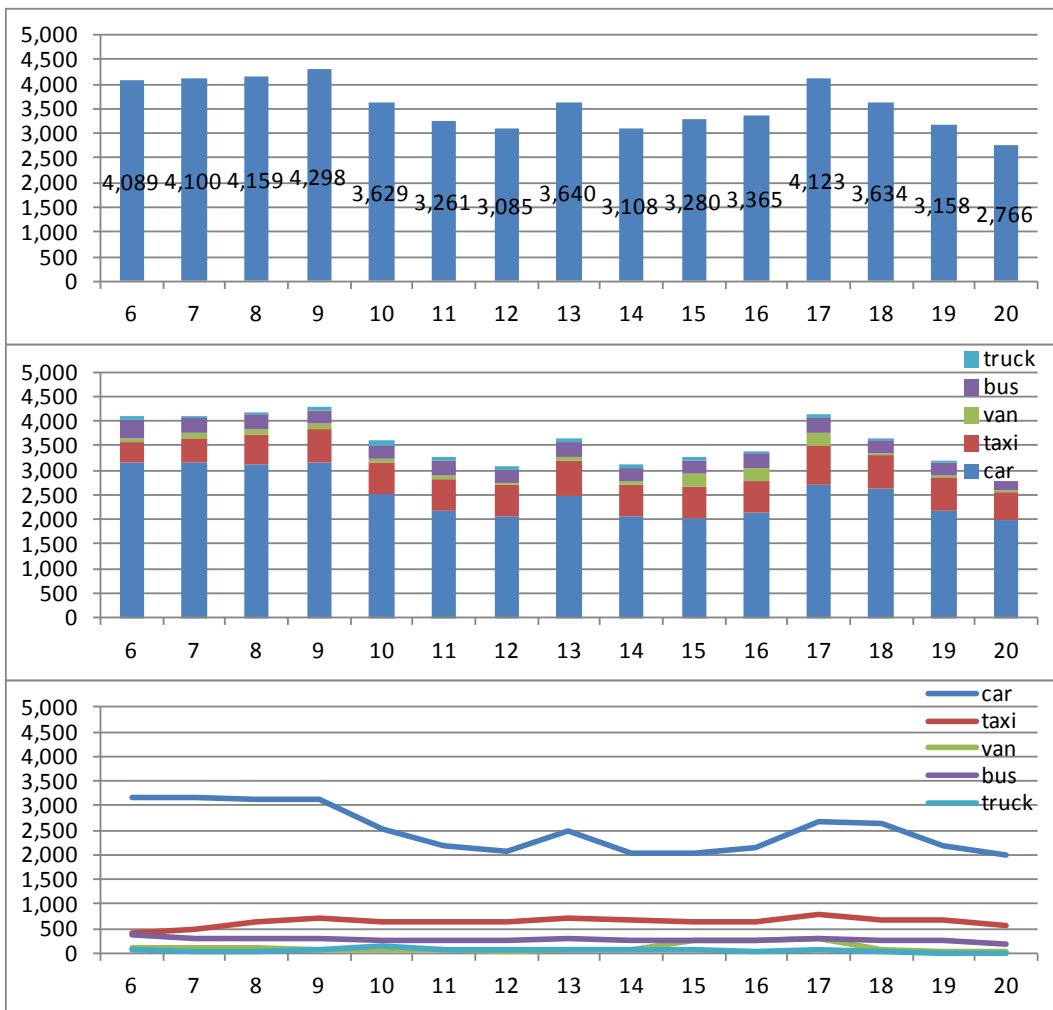


Flow 7.5



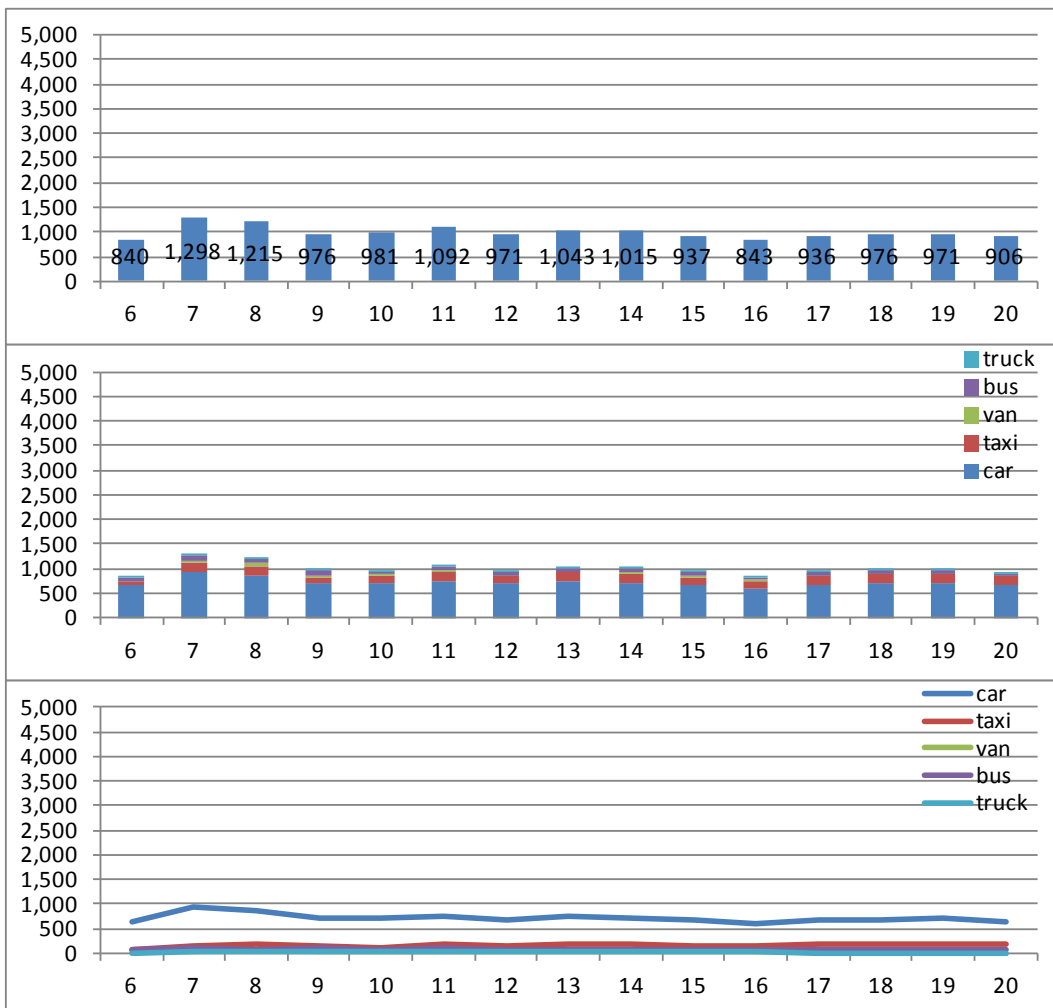


Flow 7.6



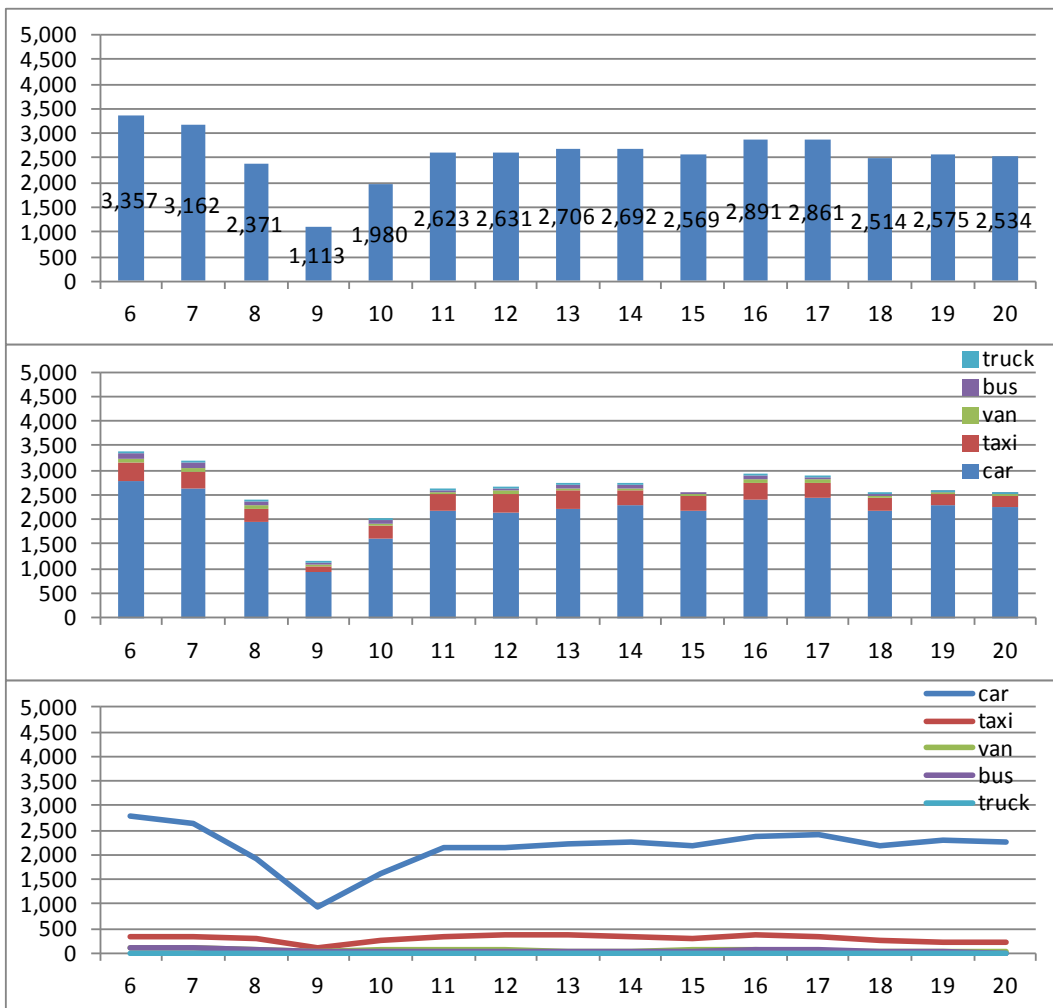


Flow 7.7



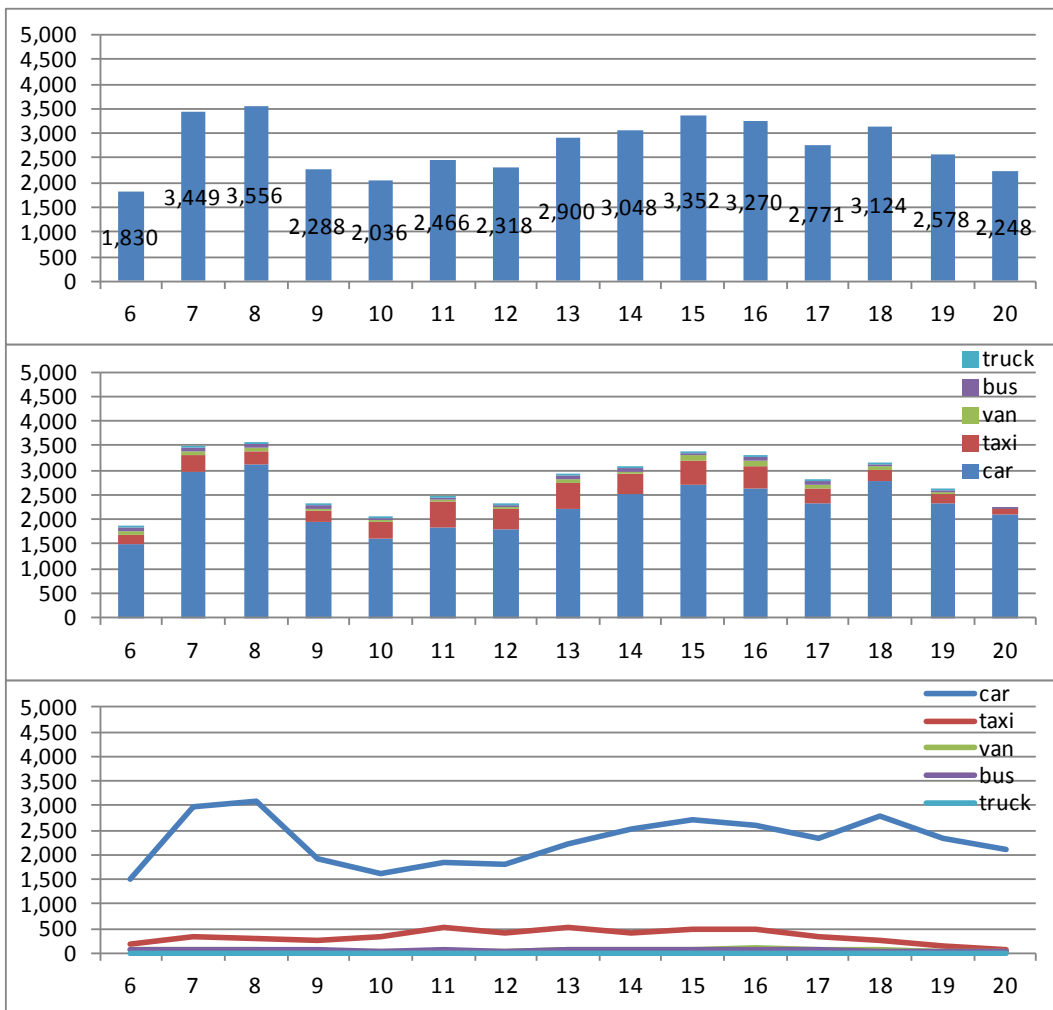


Flow 7.8



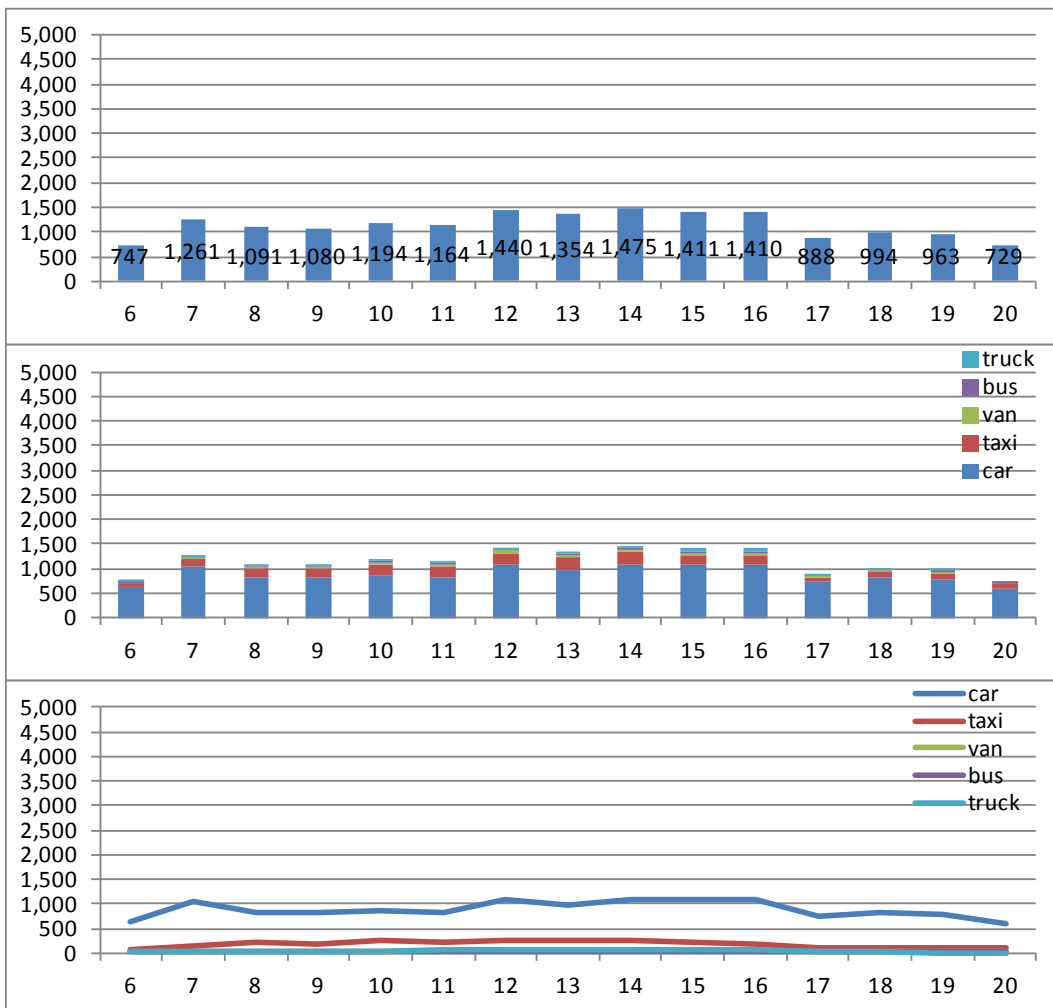


Flow 7.9



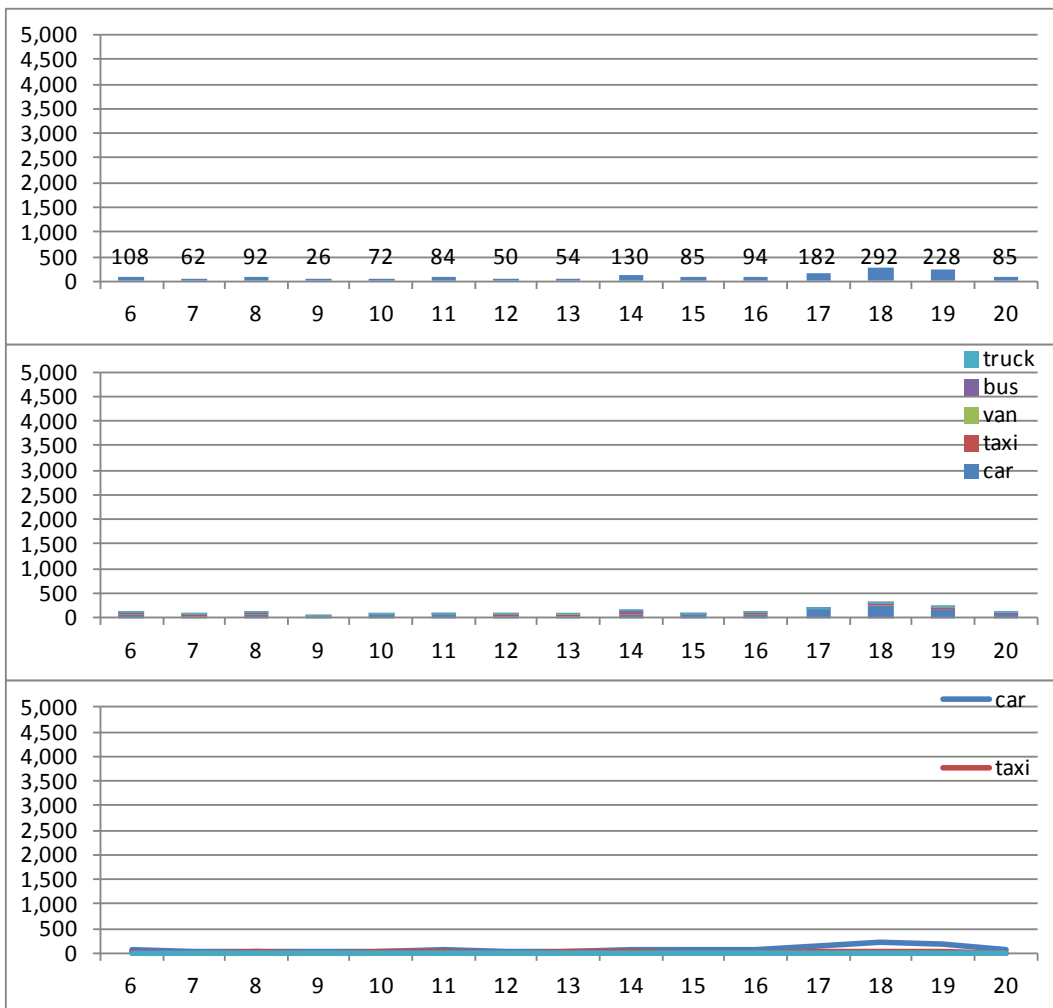


Flow 7.10



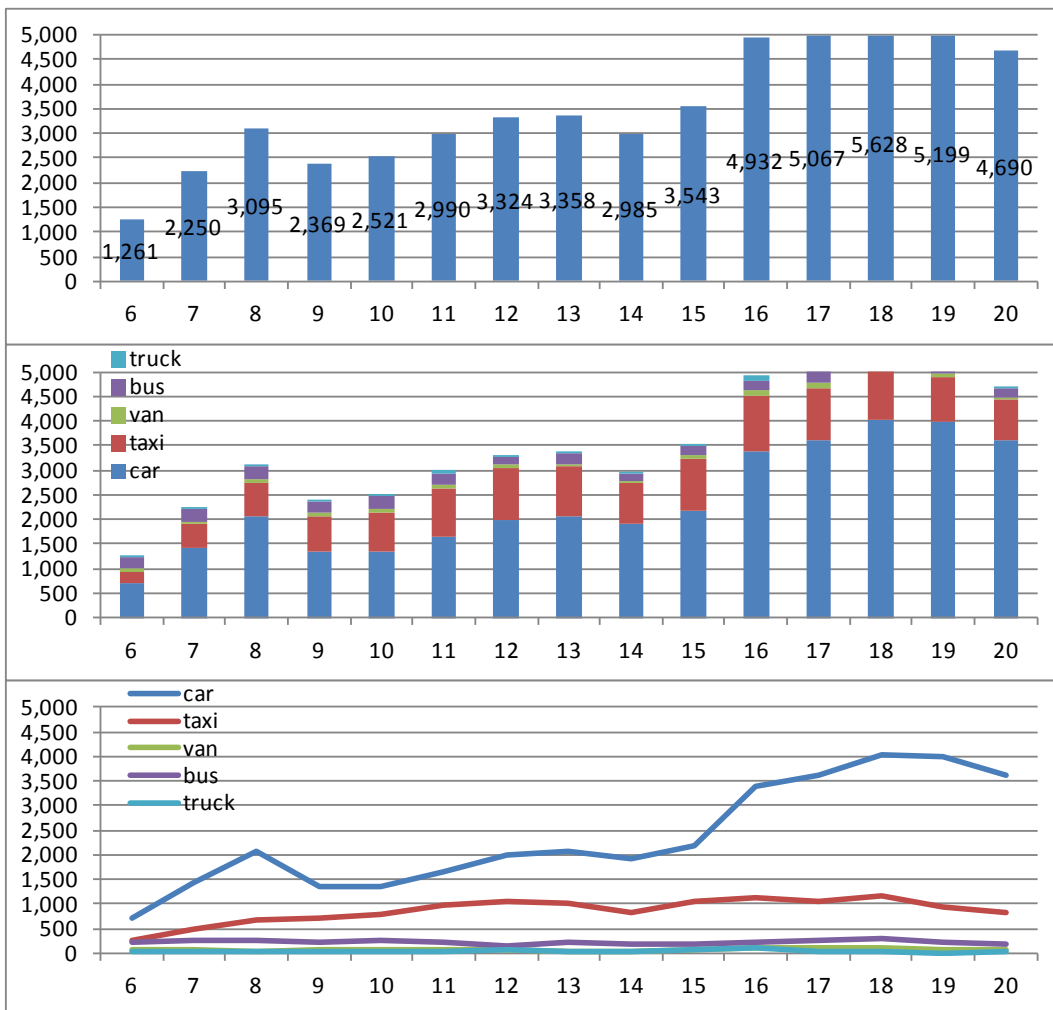


Flow 7.11



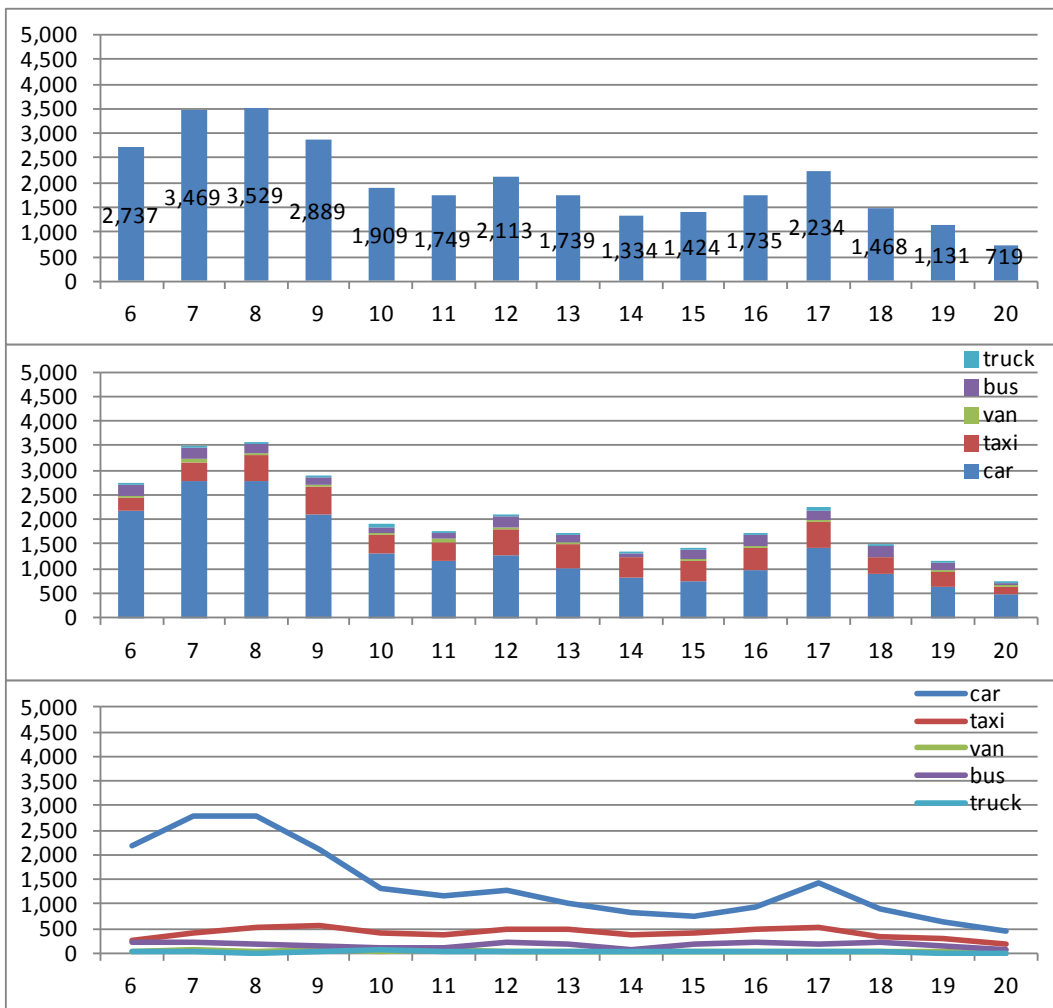


Flow 7.12



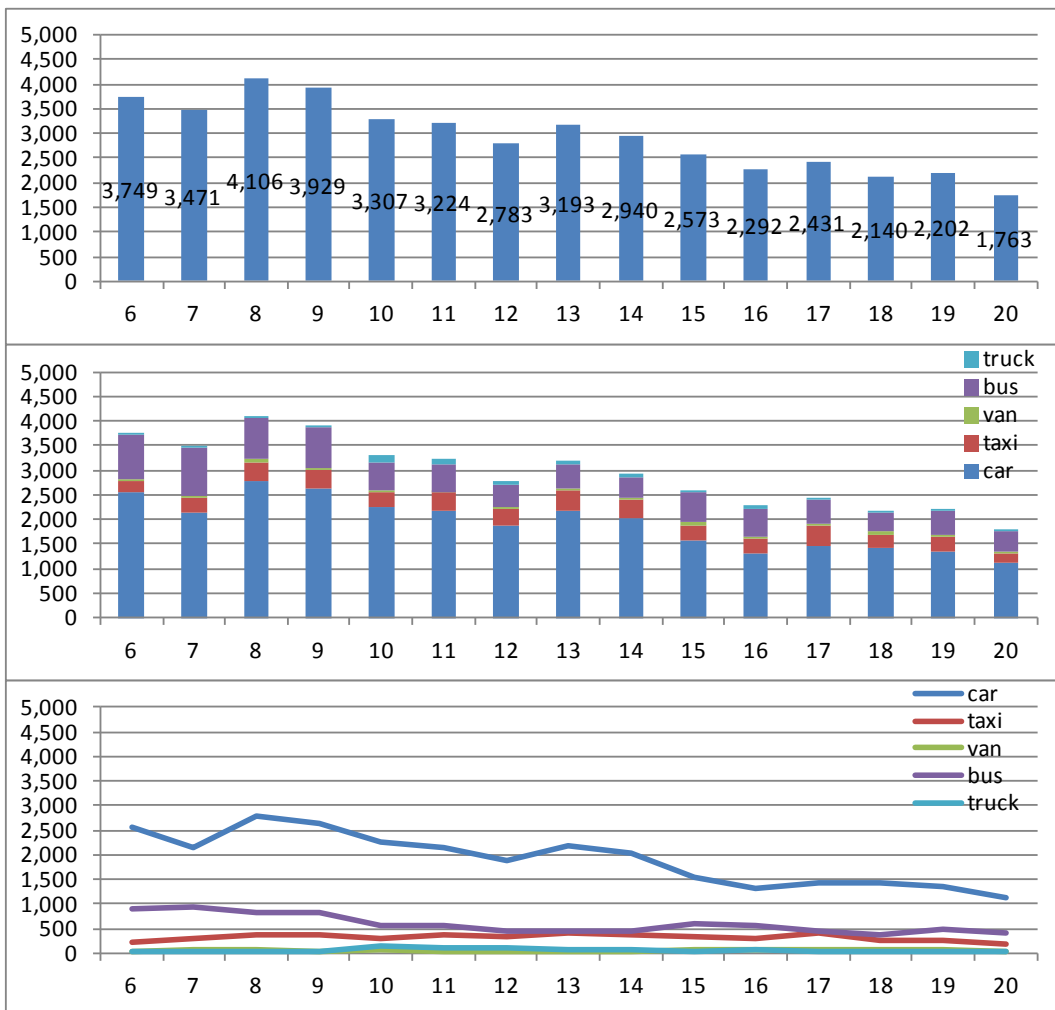


Flow 7.13



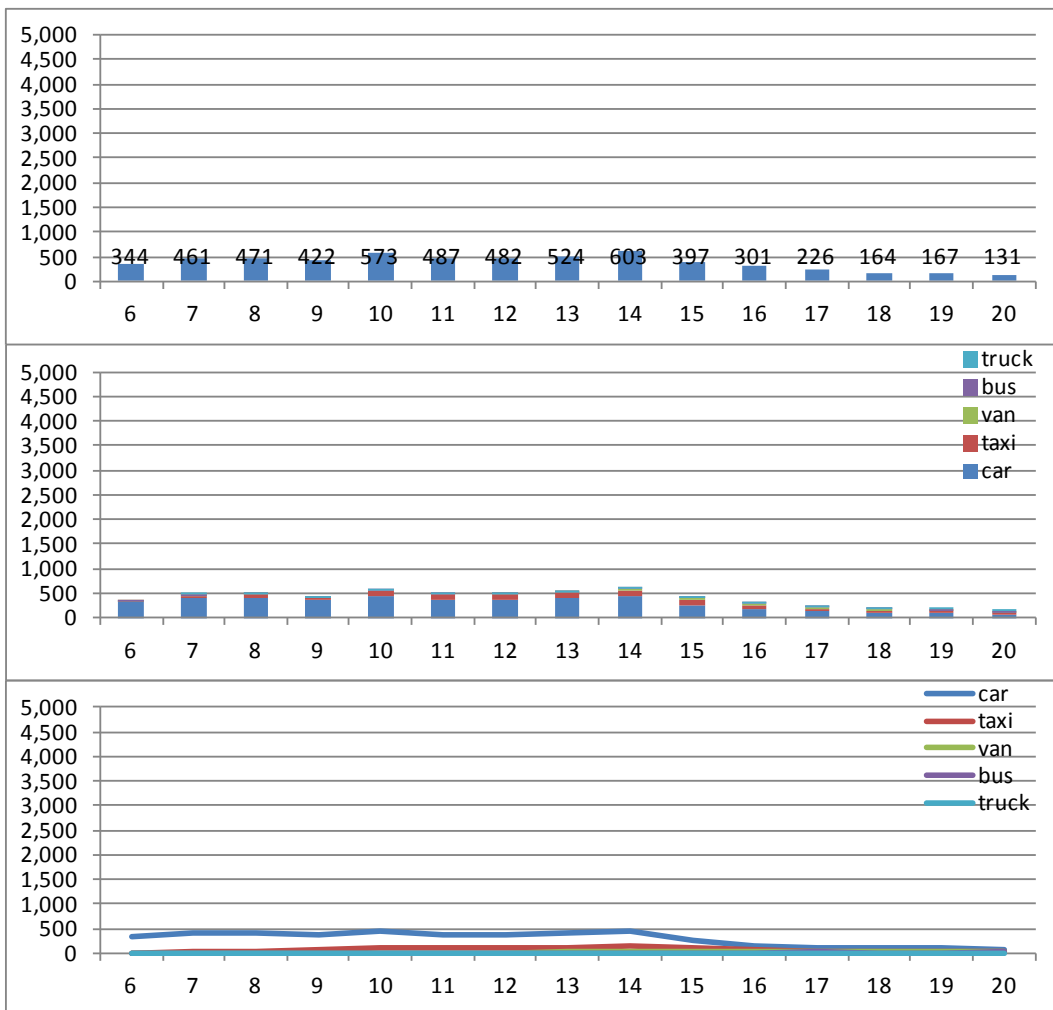


Flow 7.14



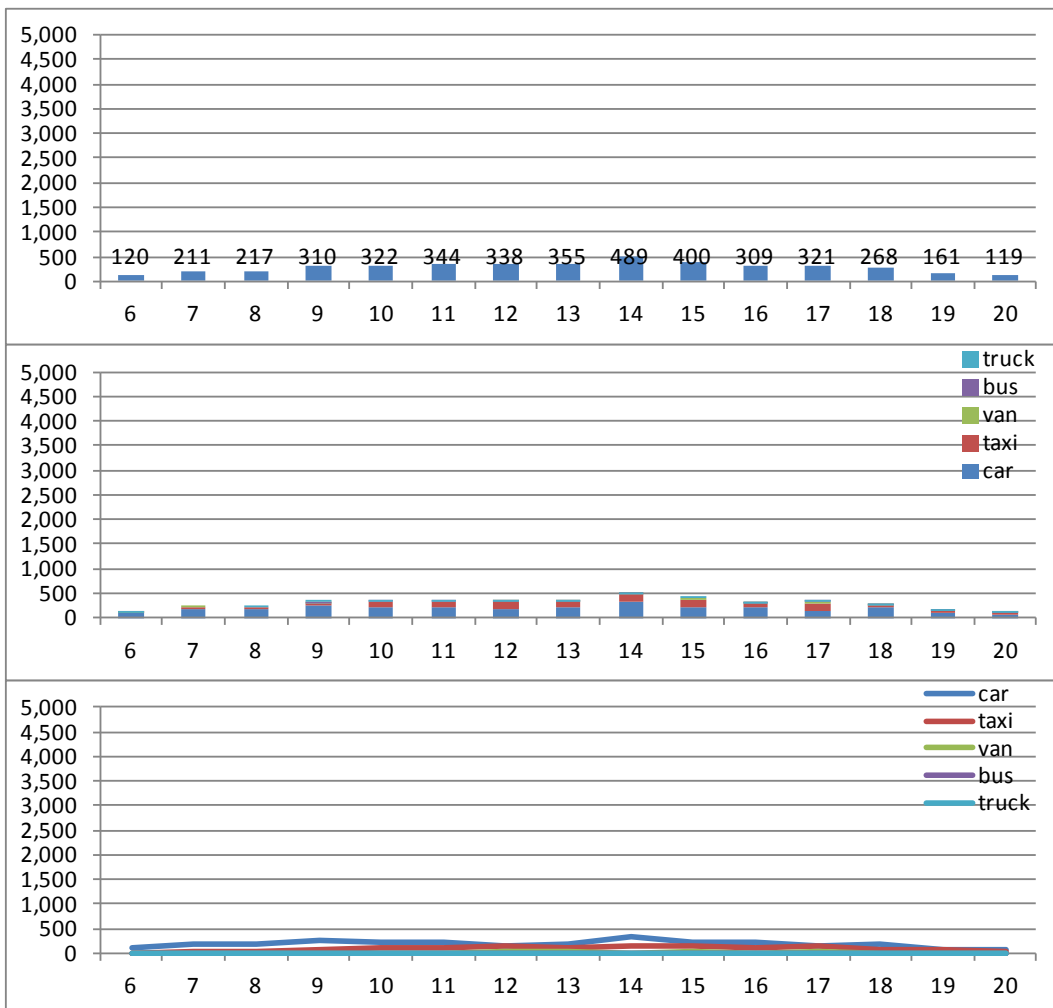


Flow 7.15





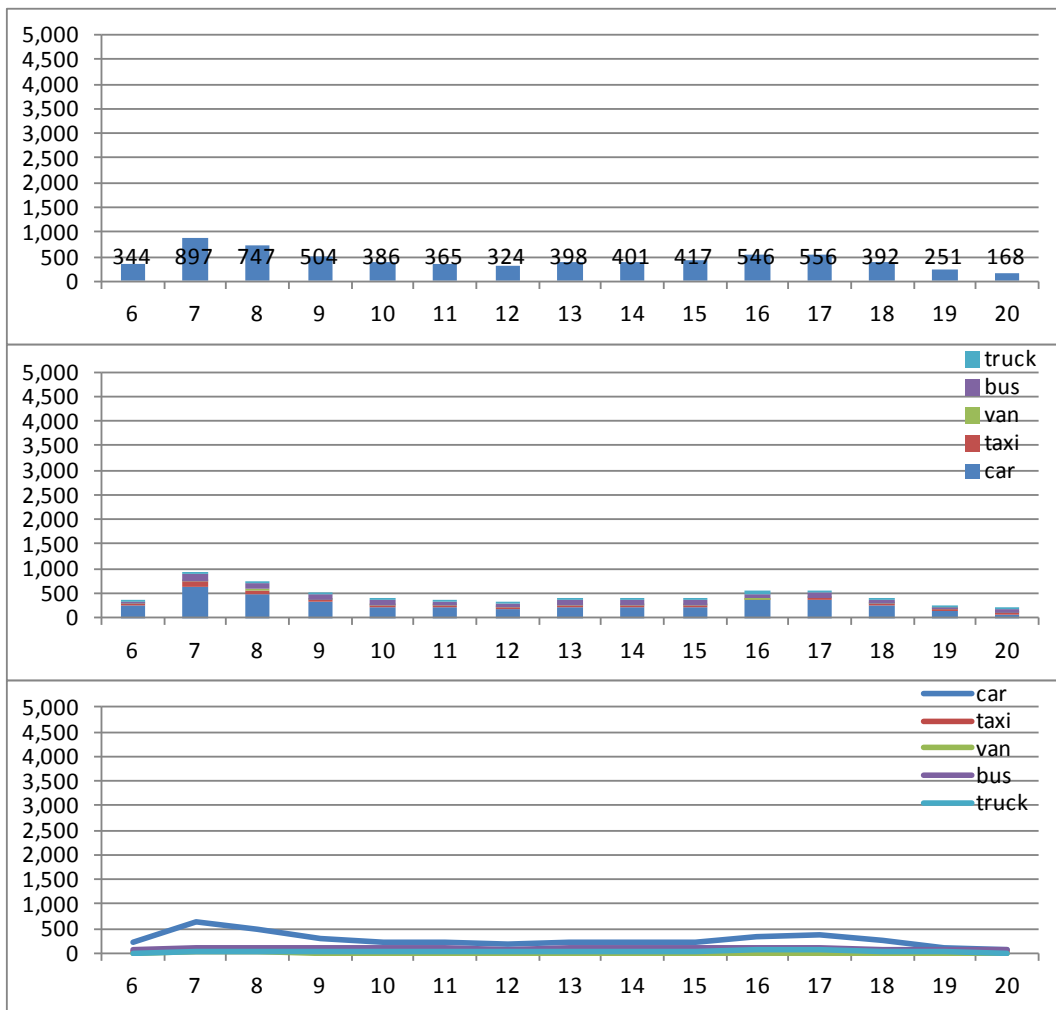
Flow 7.16



viii) Est. do Galeao – Linha Vermelha (North, South, East)

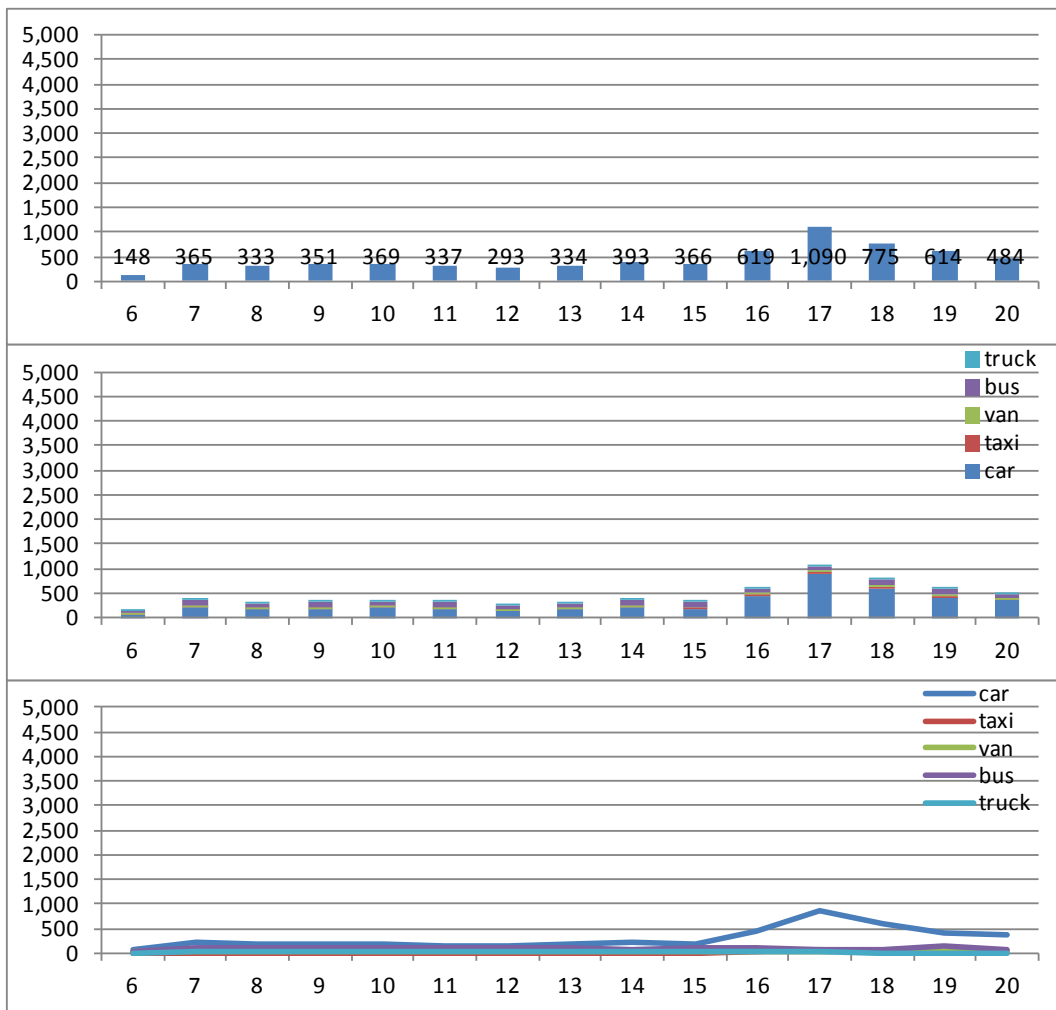


Flow 8.1



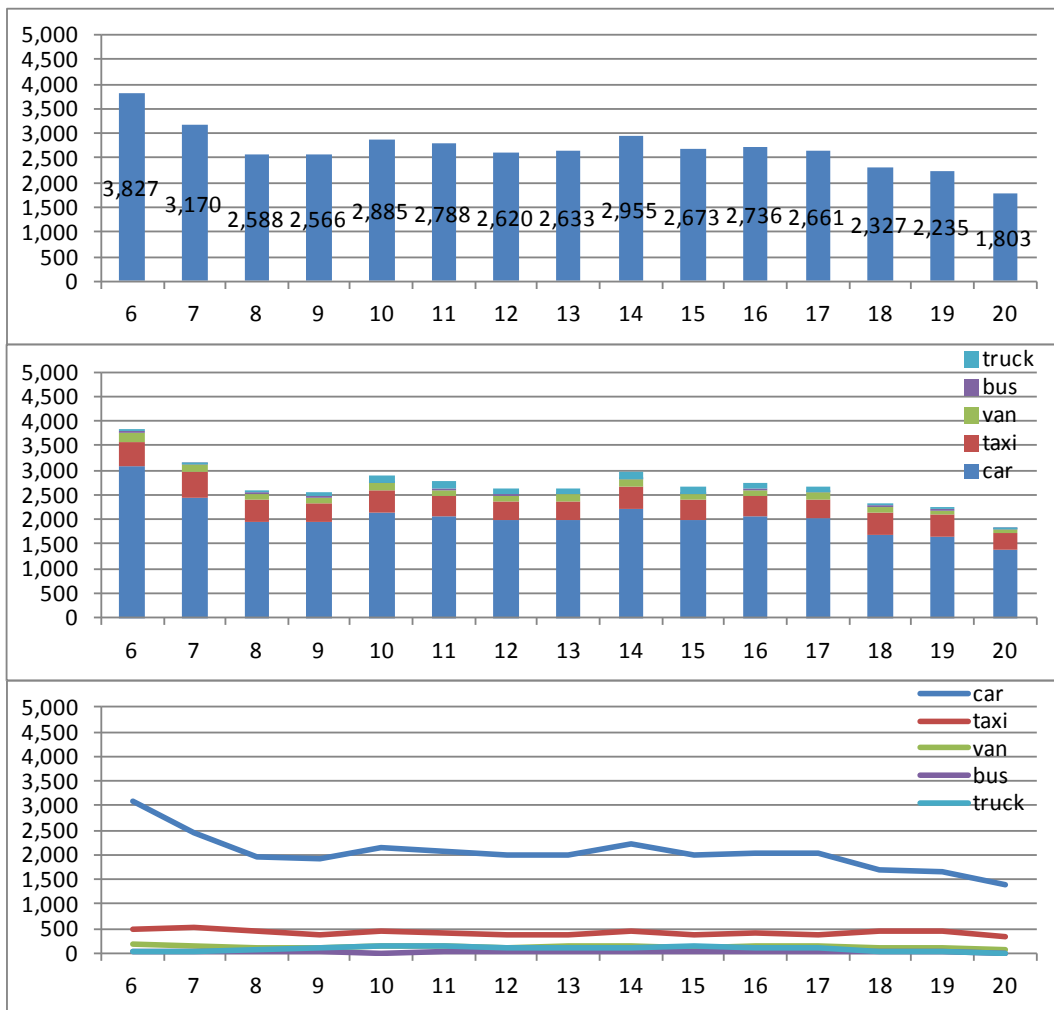


Flow 8.2



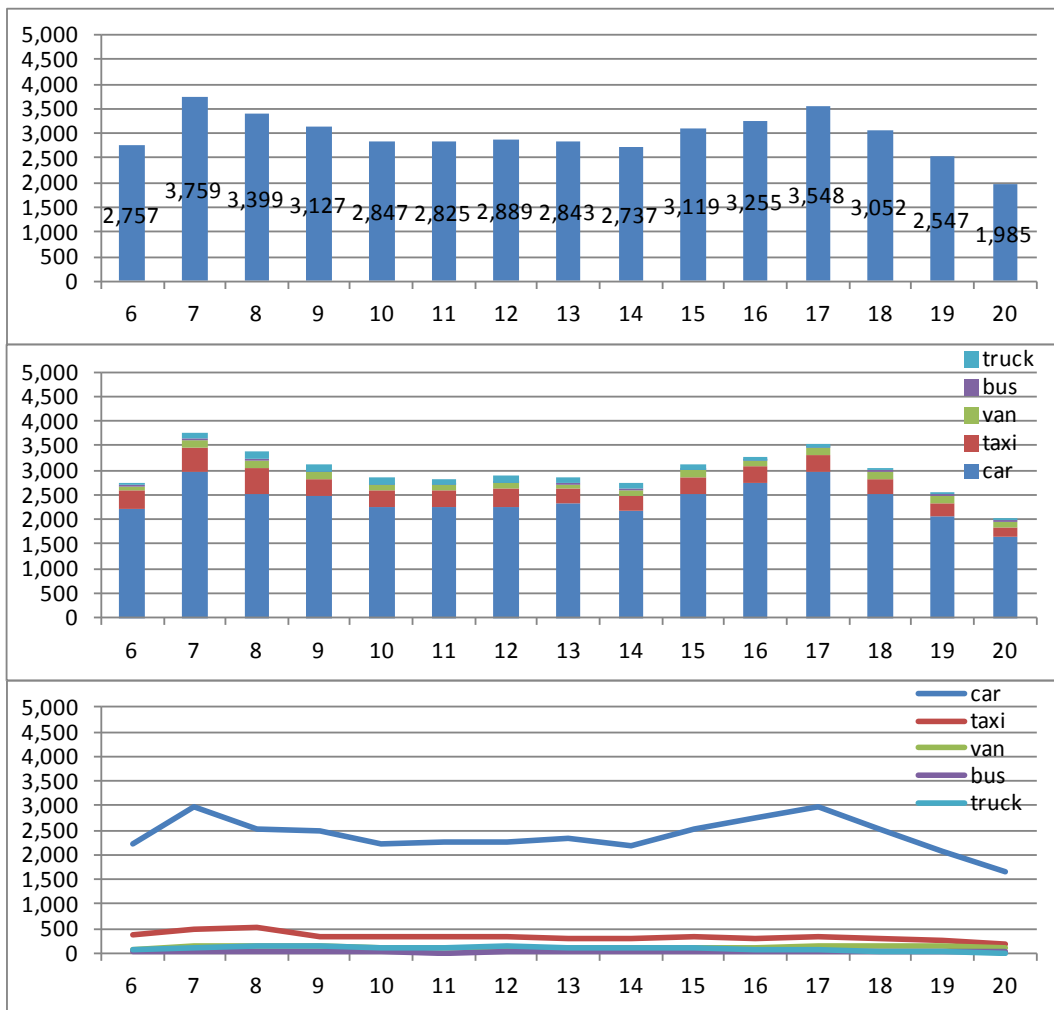


Flow 8.3



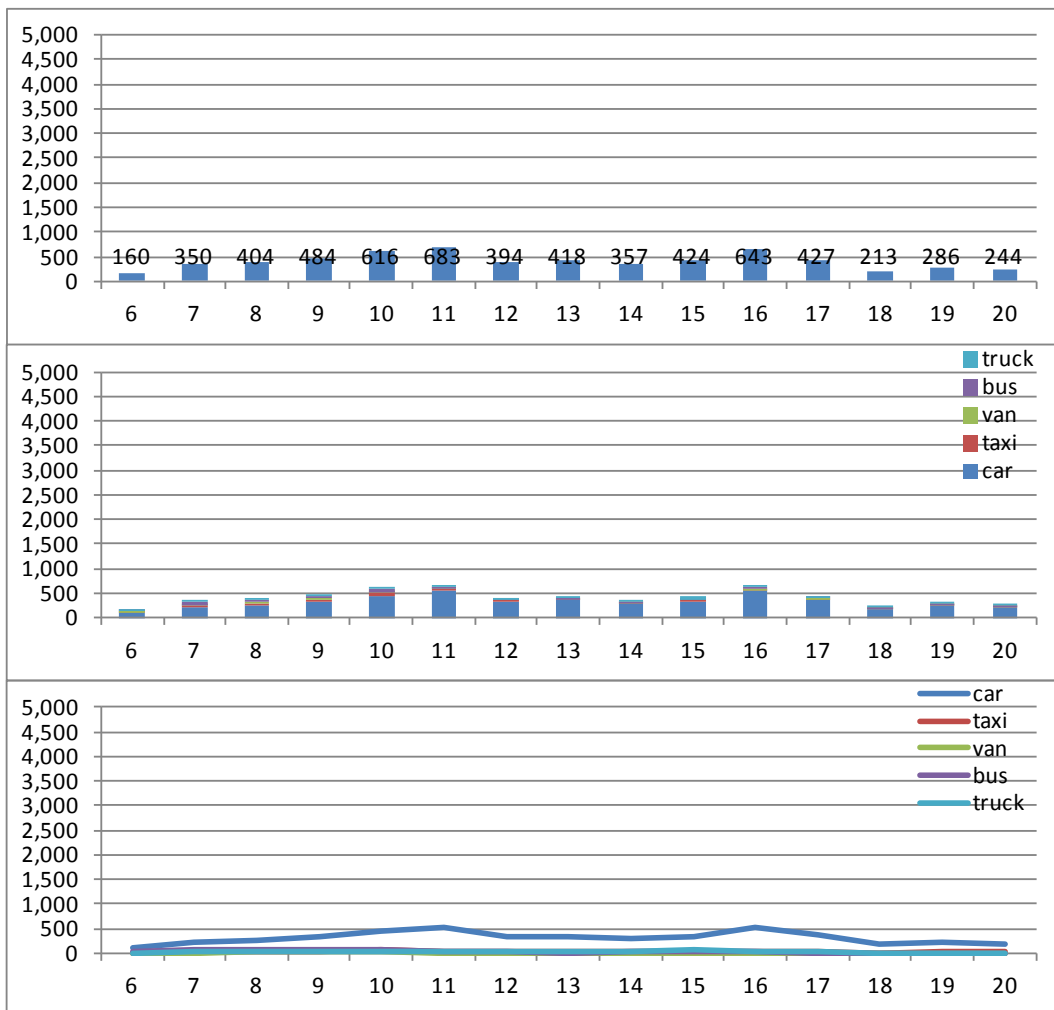


Flow 8.4



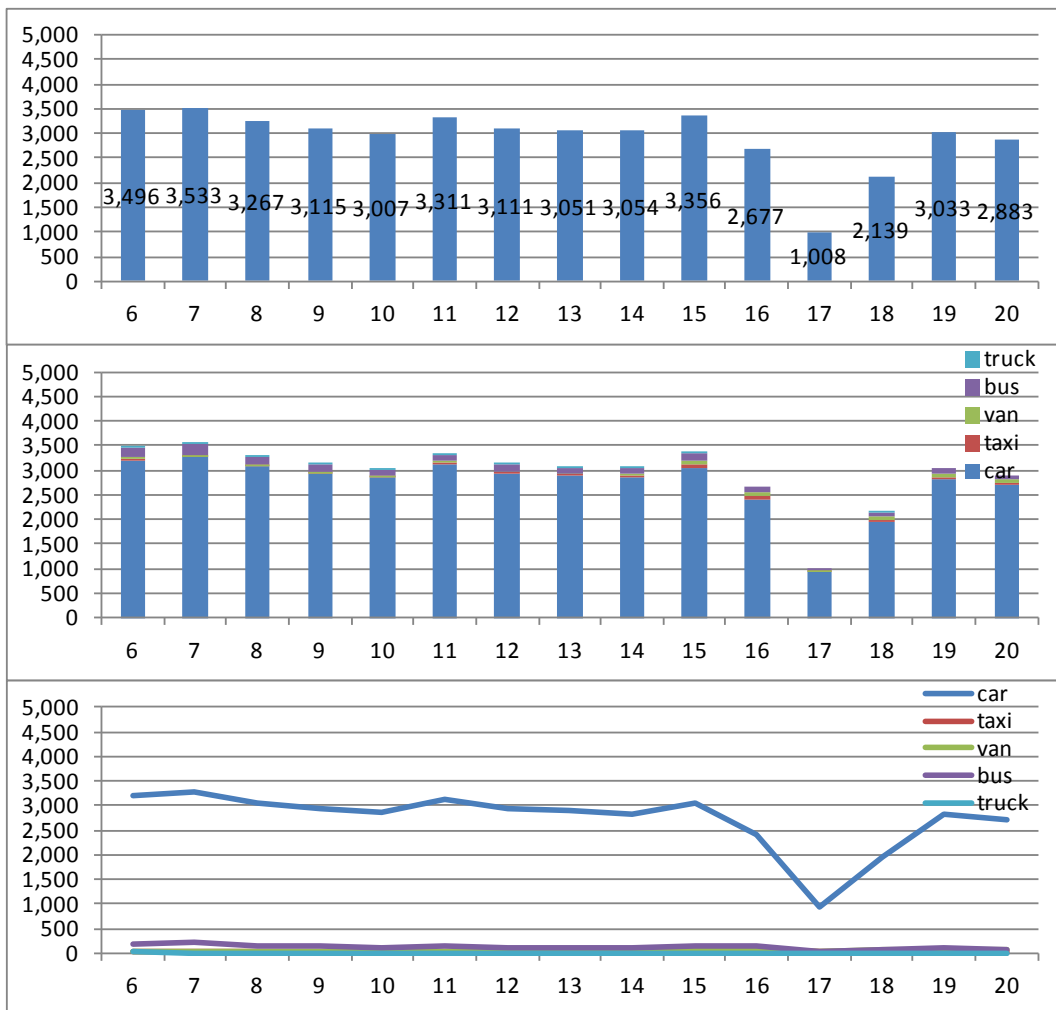


Flow 8.5



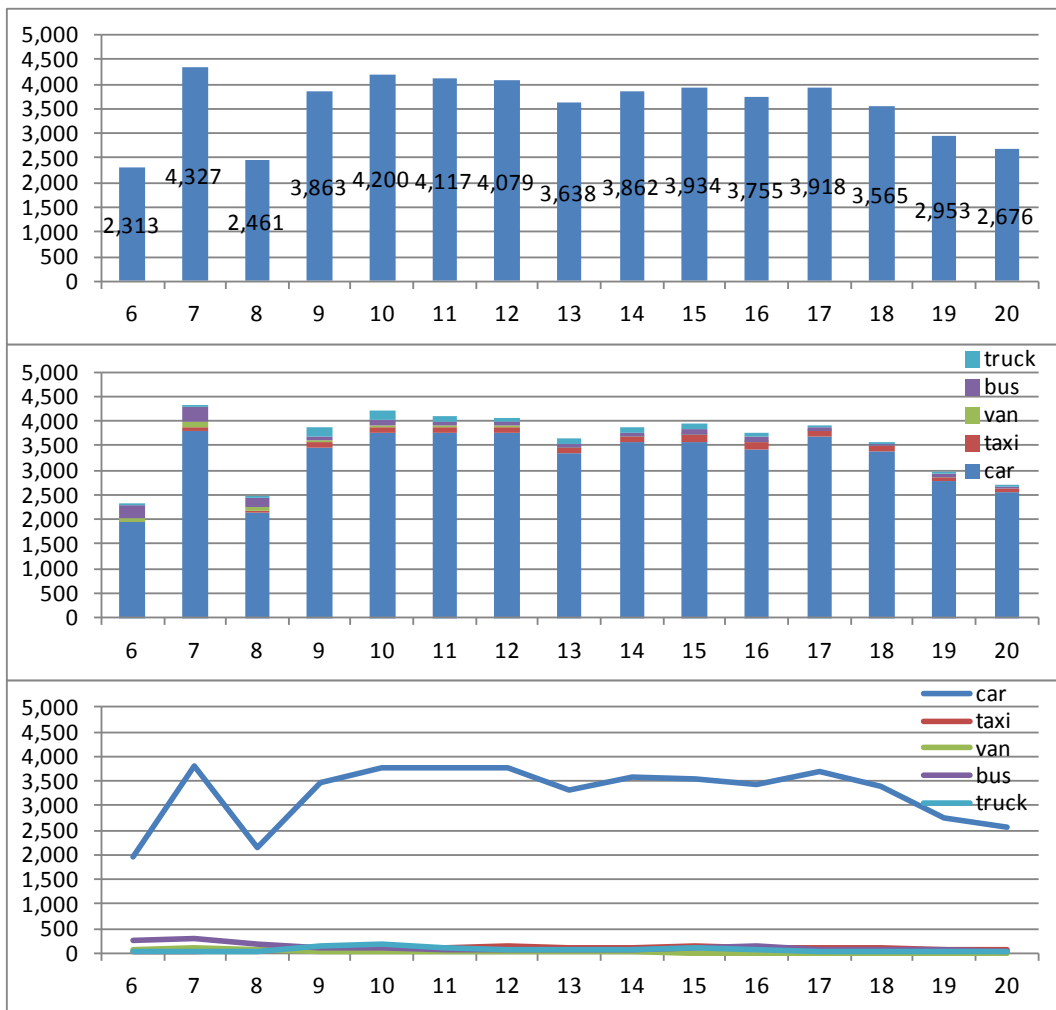


Flow 8.6





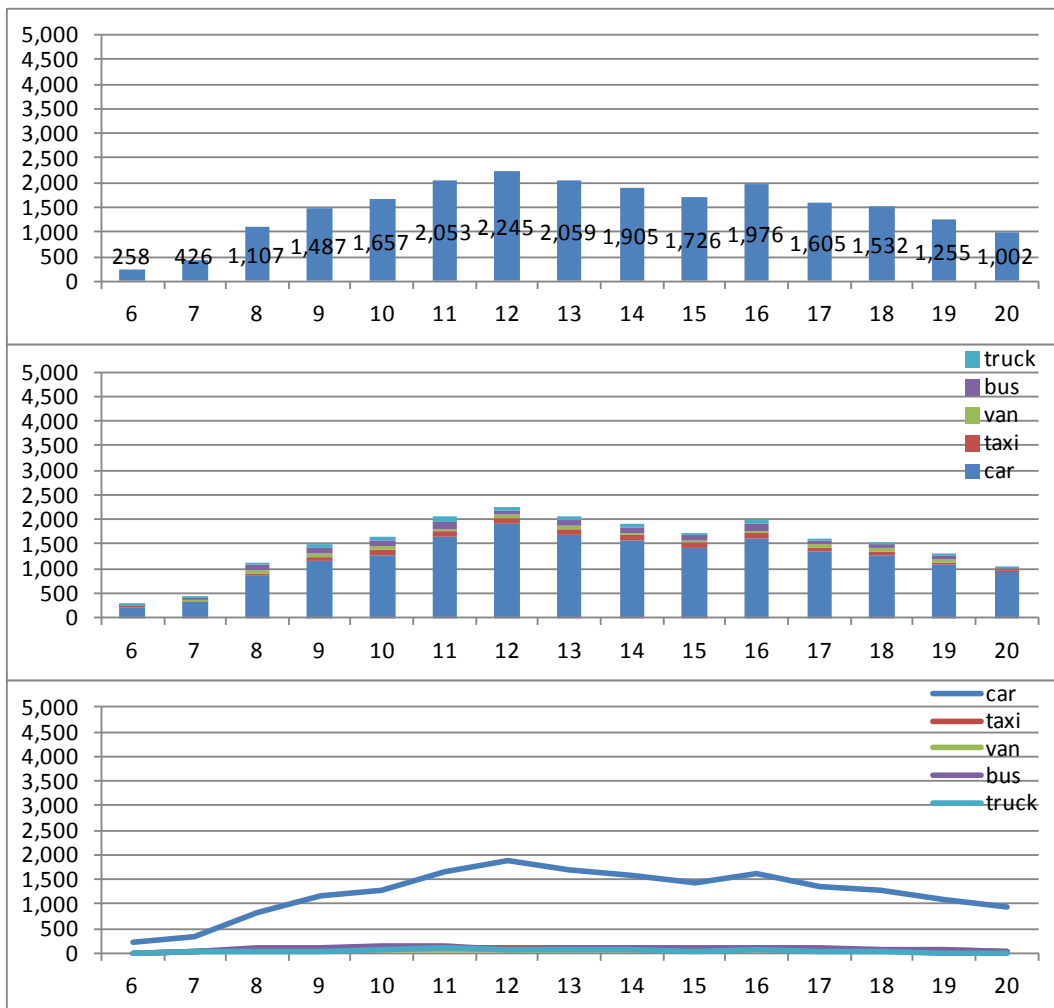
Flow 8.7



ix) Av. das Americas - Av. Ayrton Senna (North, East, West)

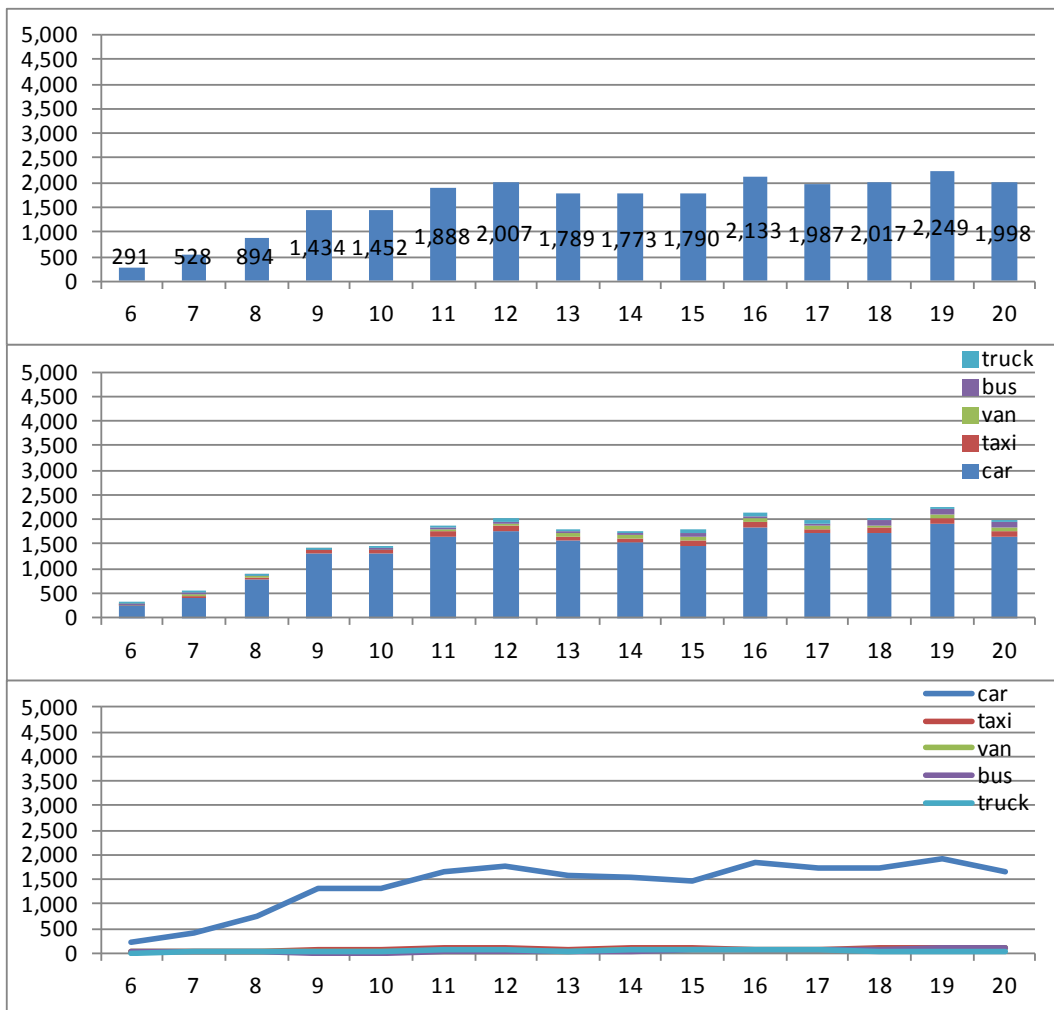


Flow 9.1



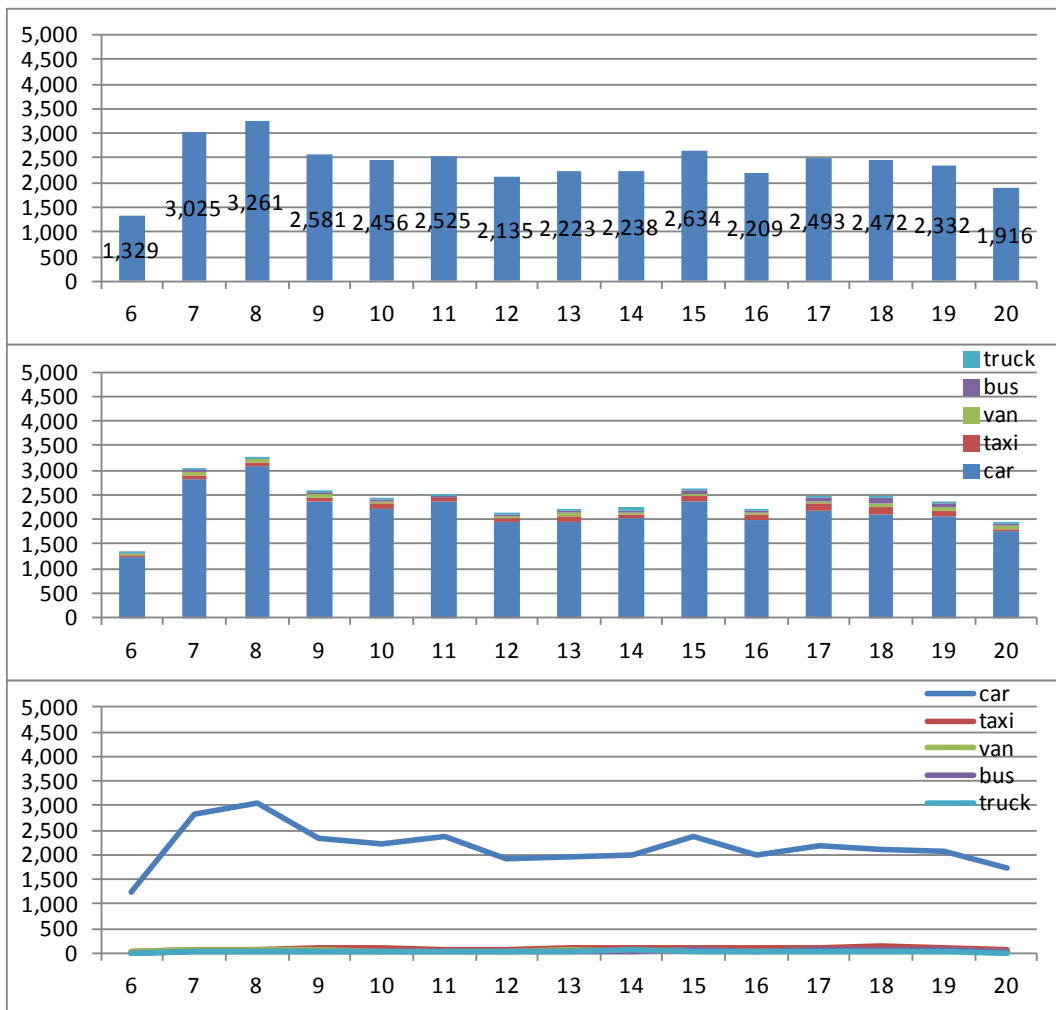


Flow 9.2



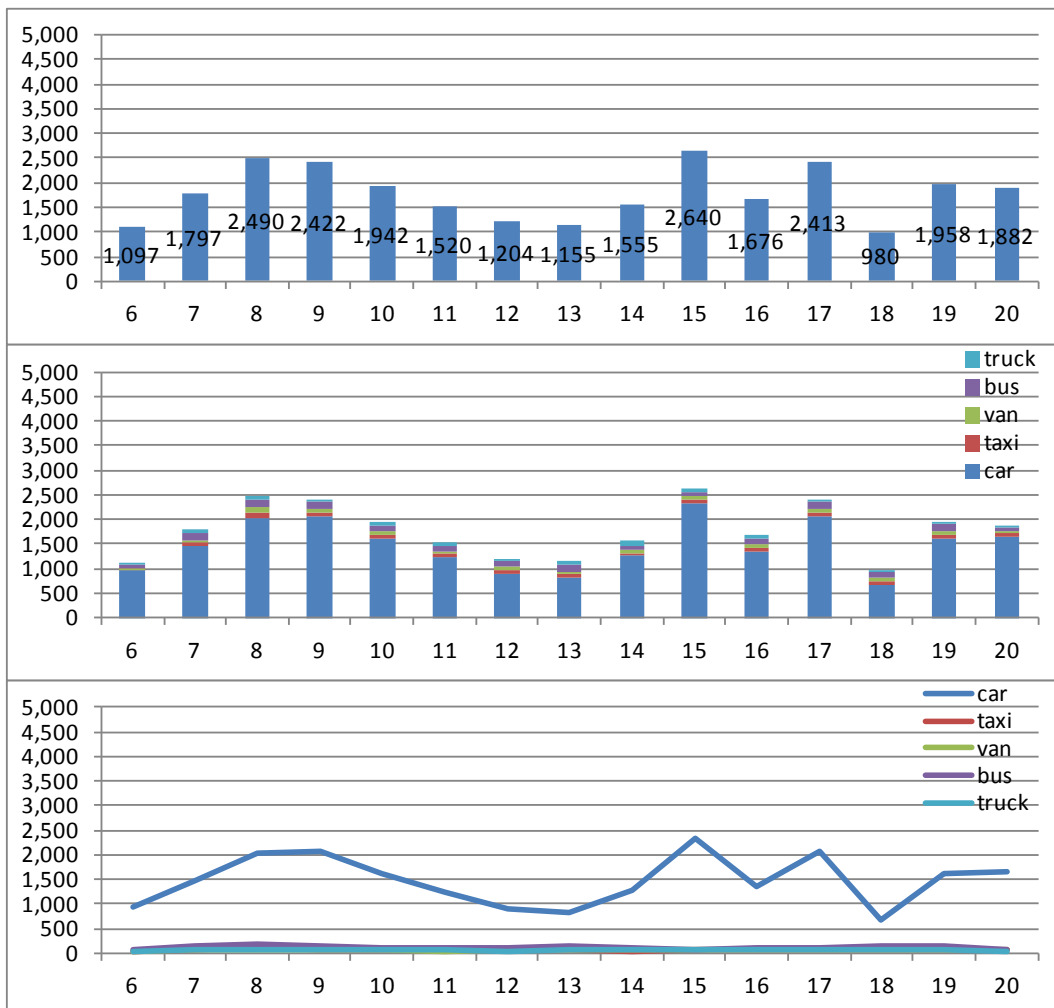


Flow 9.3



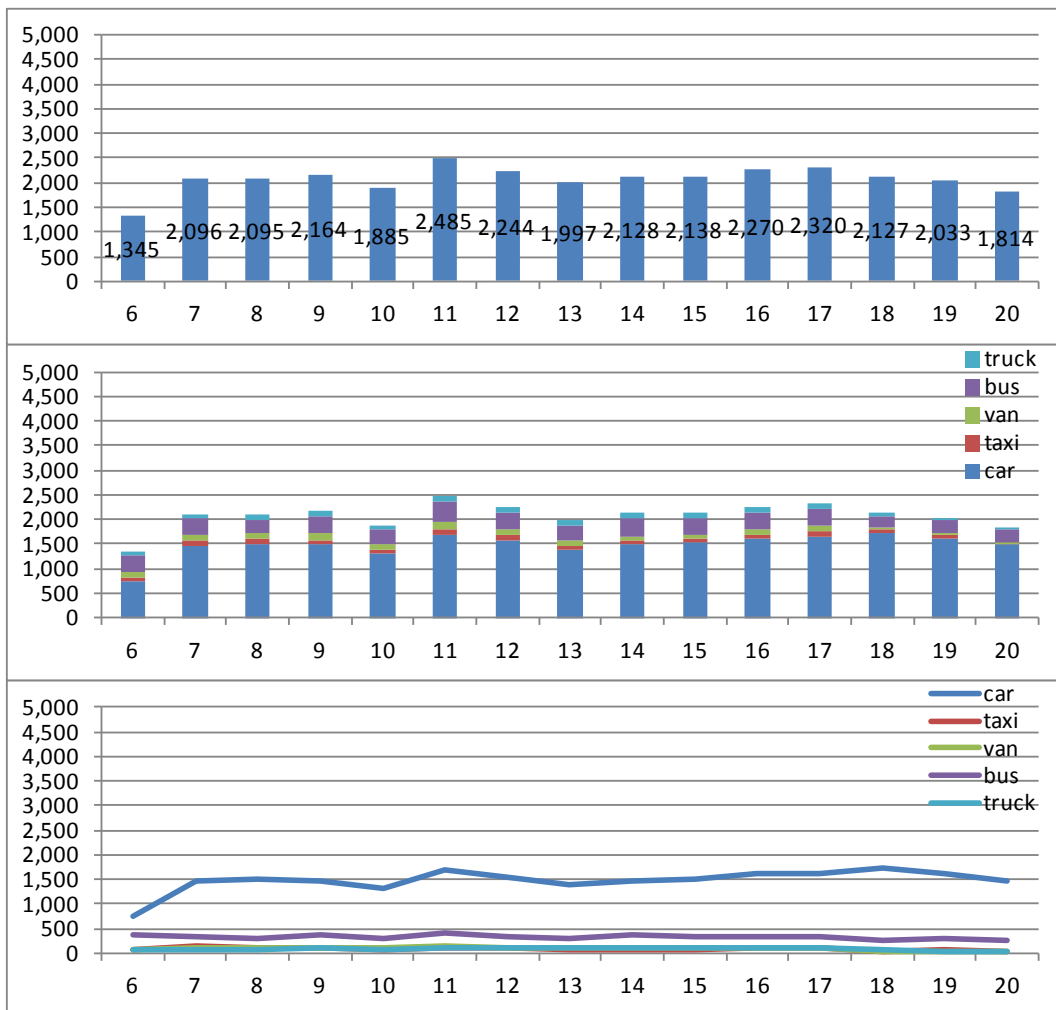


Flow 9.4



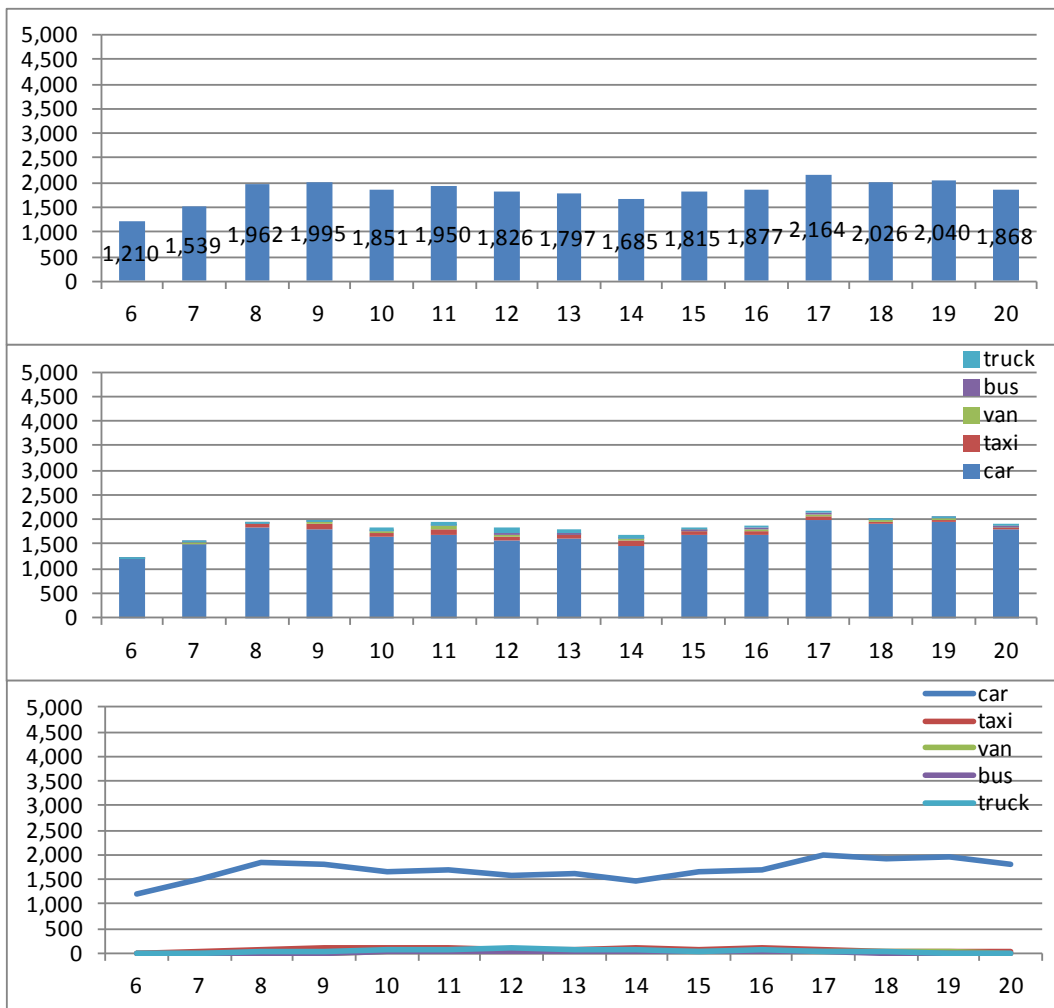


Flow 9.5



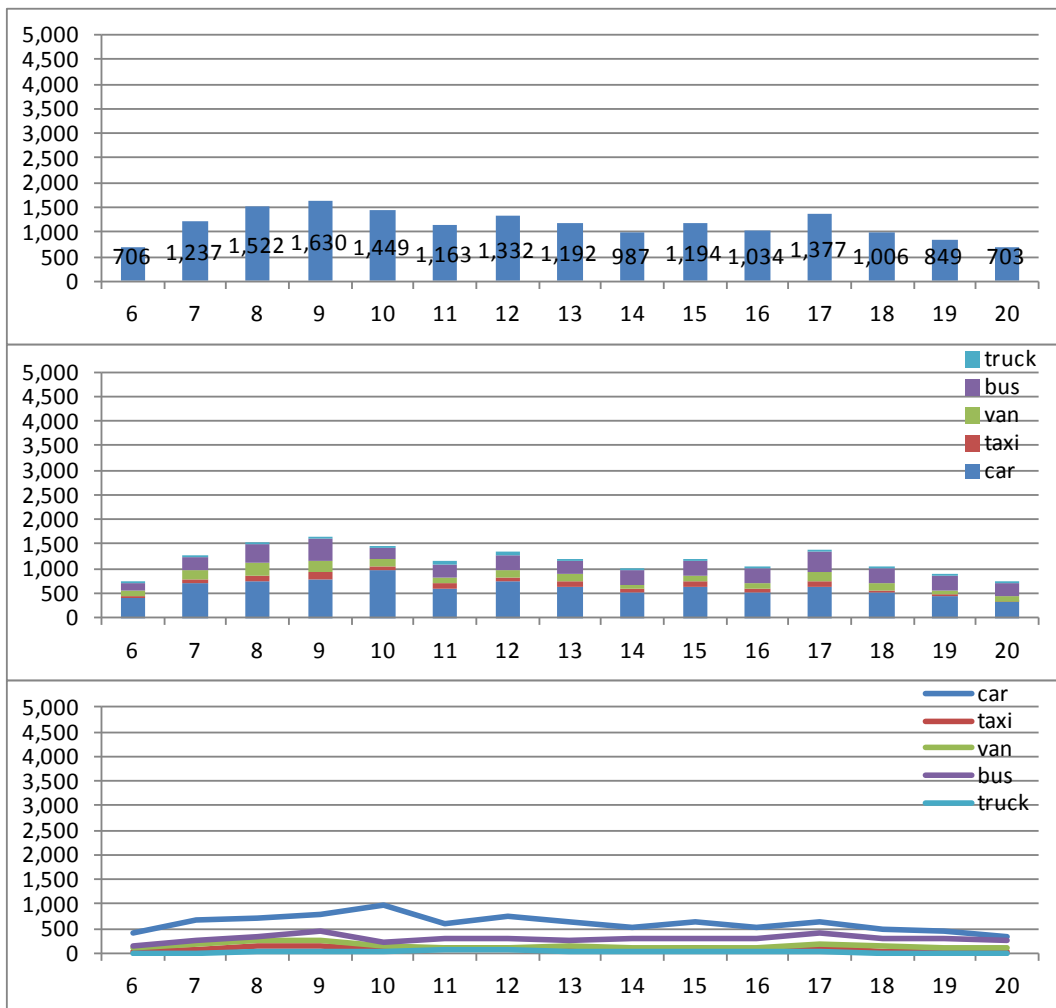


Flow 9.6



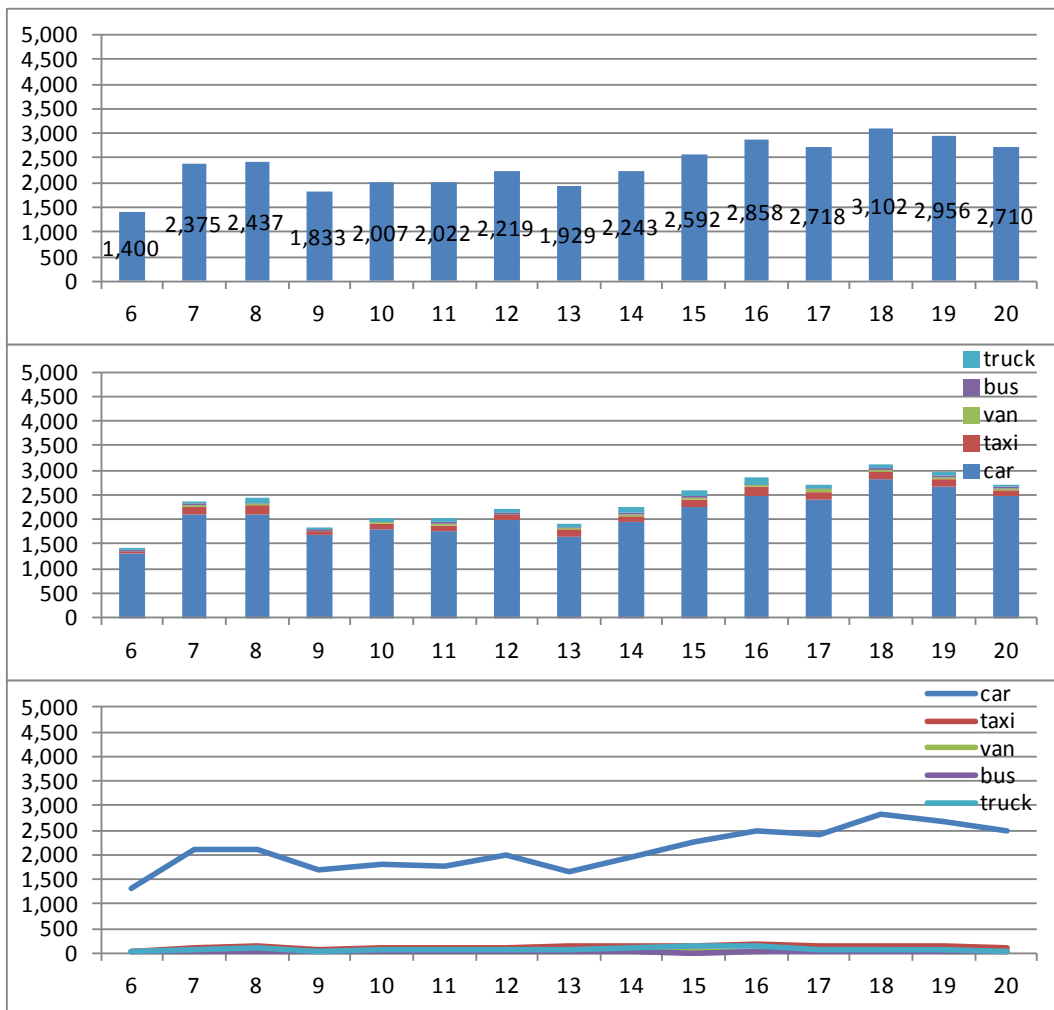


Flow 9.7



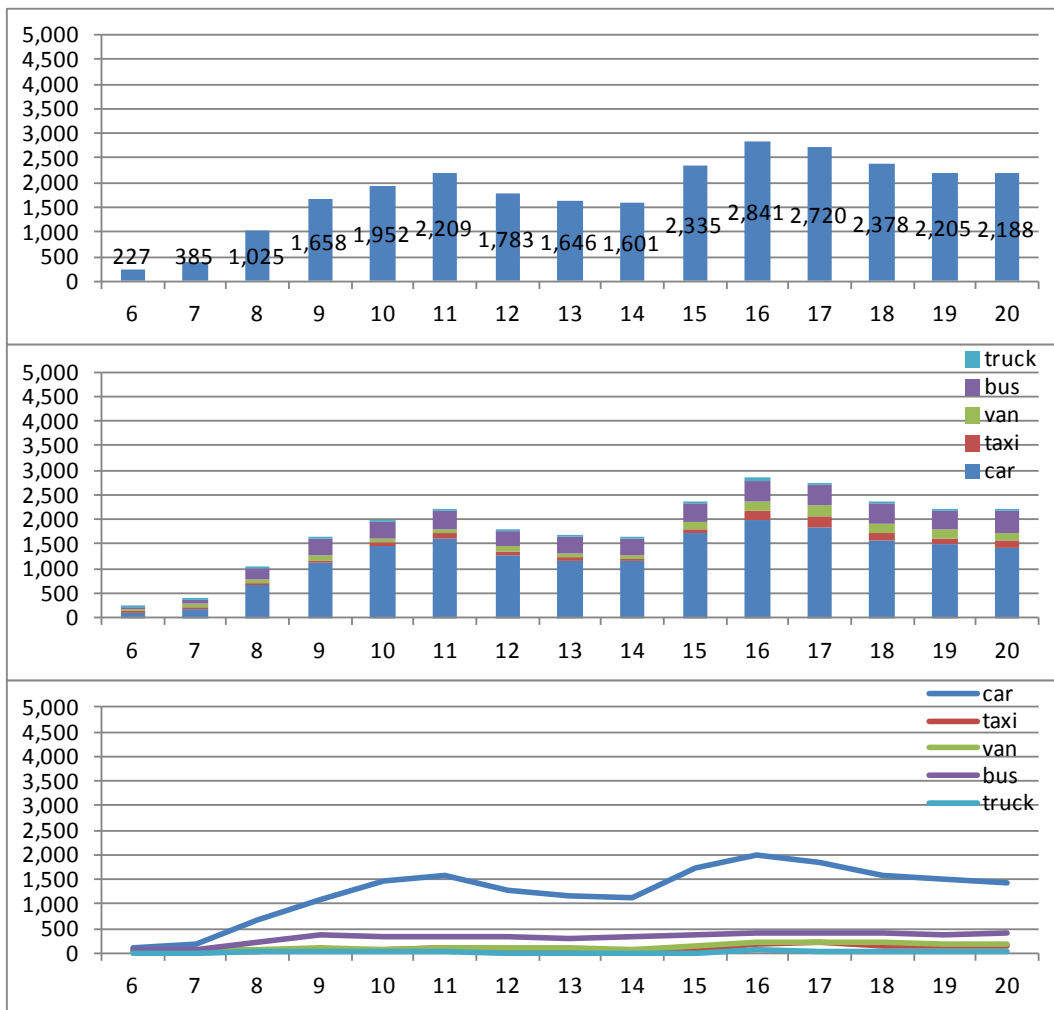


Flow 9.8



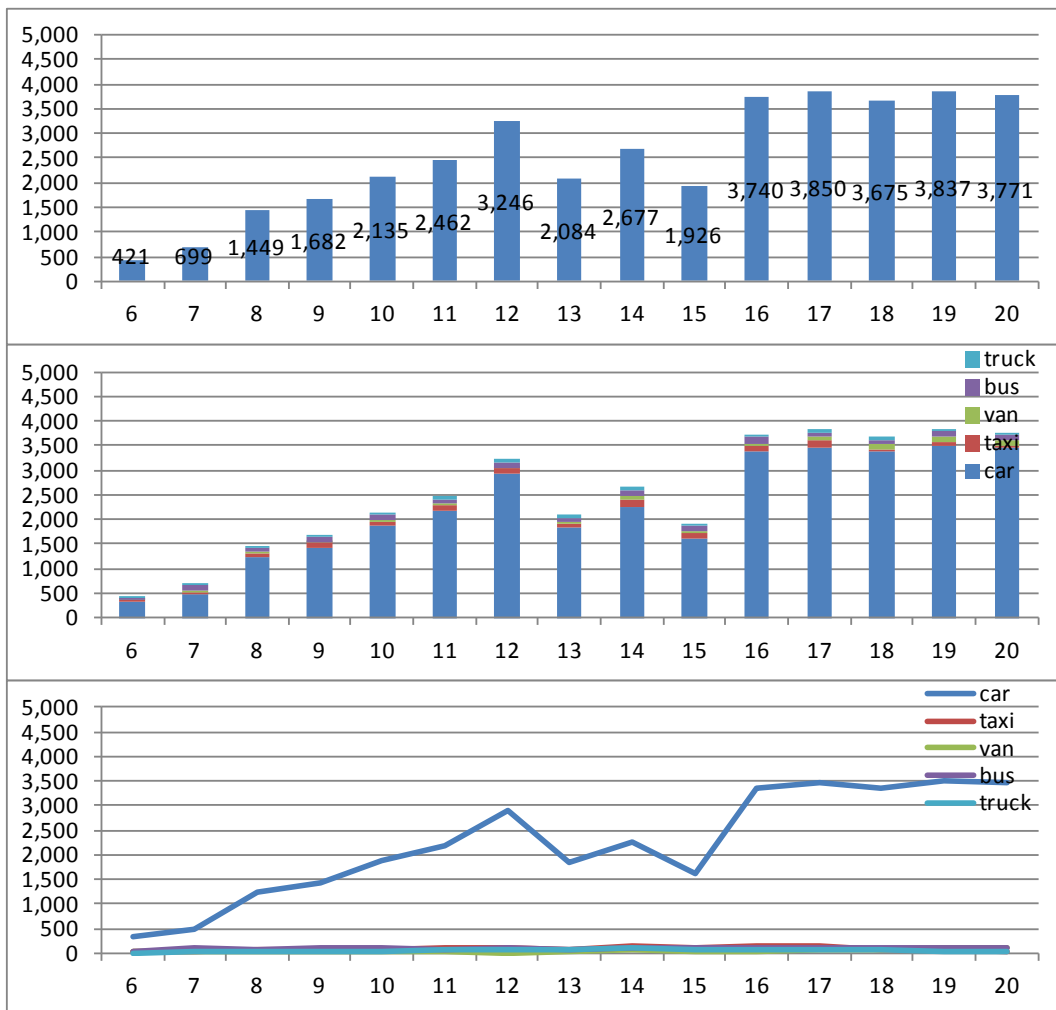


Flow 9.9



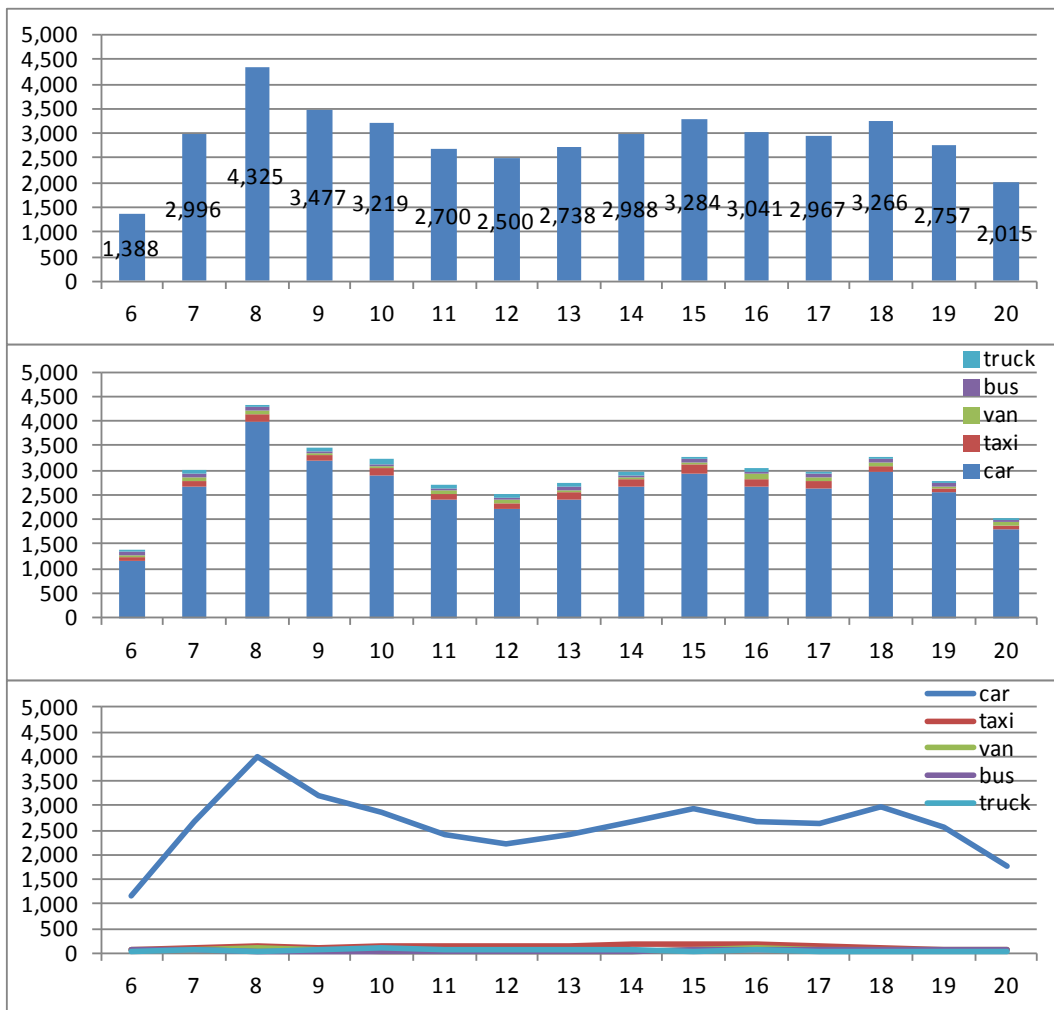


Flow 9.10



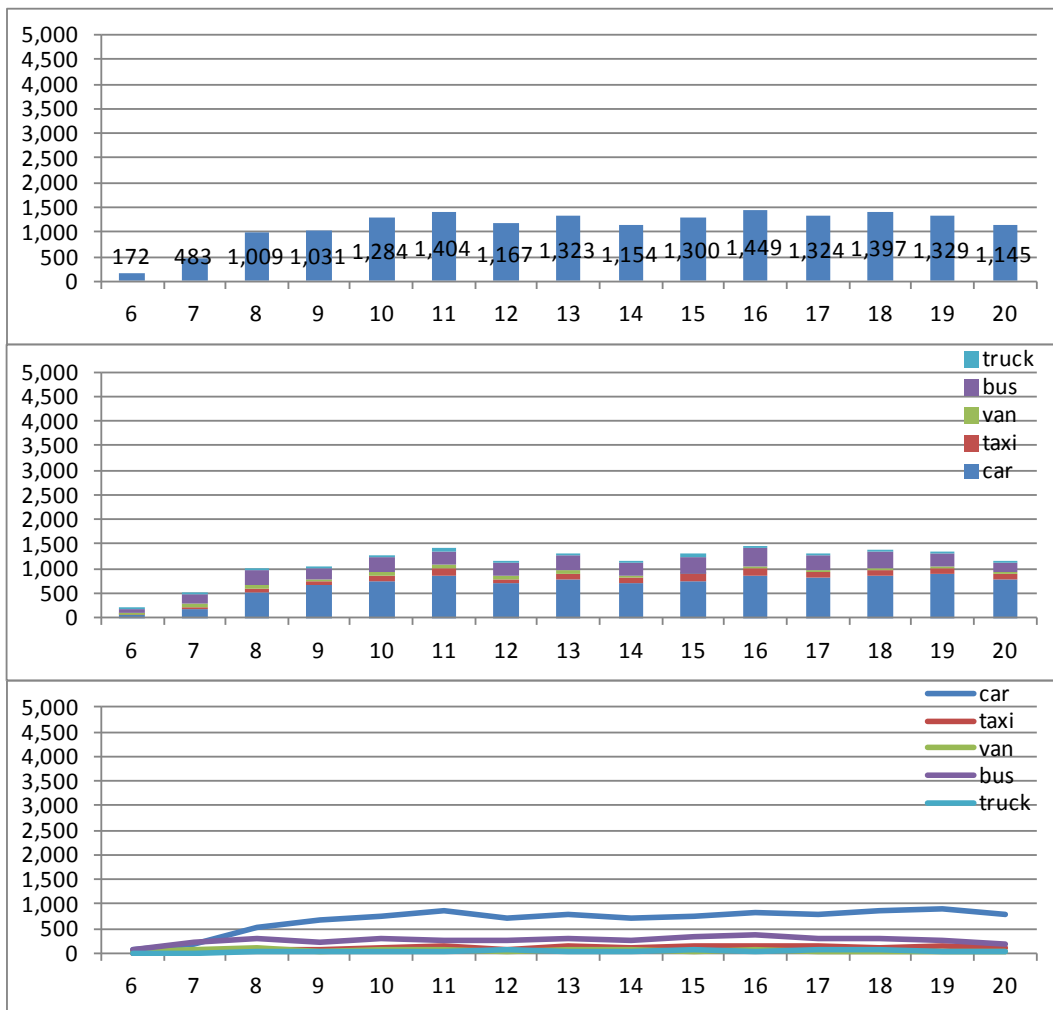


Flow 9.11

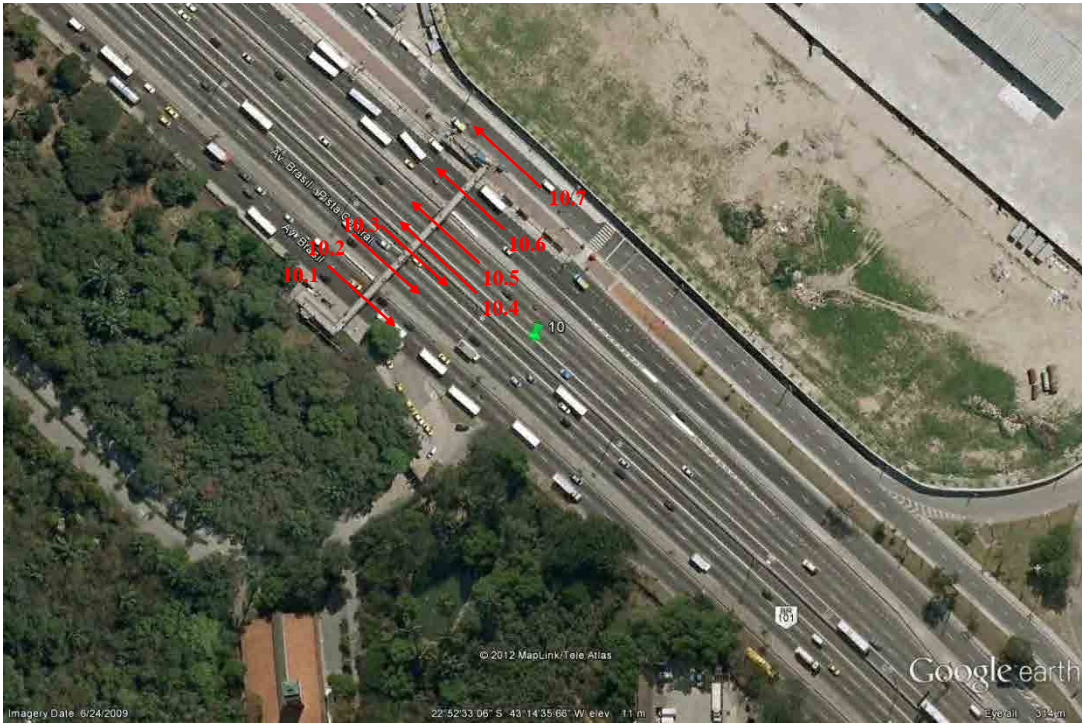




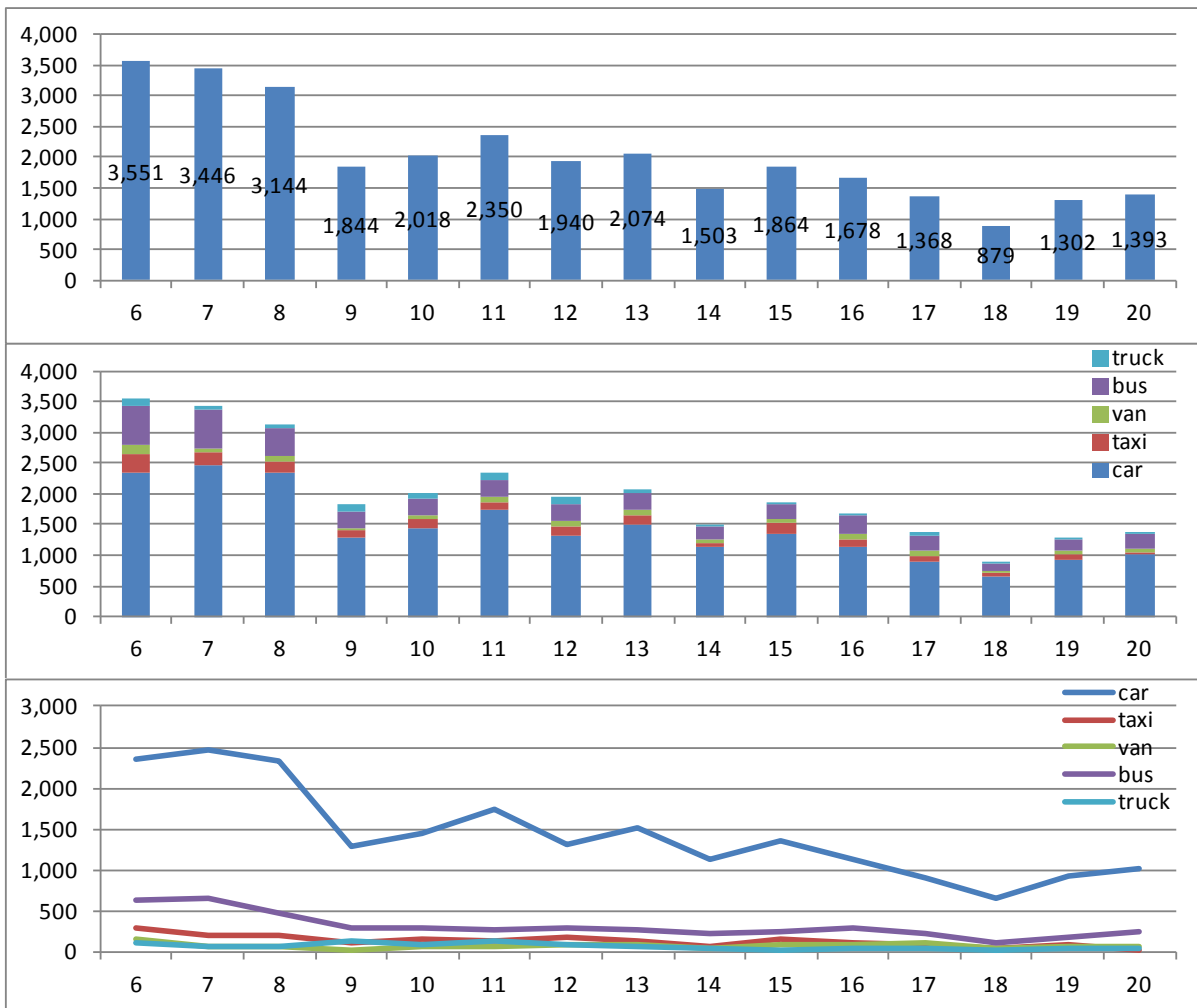
Flow 9.12



x) Av. Brasil

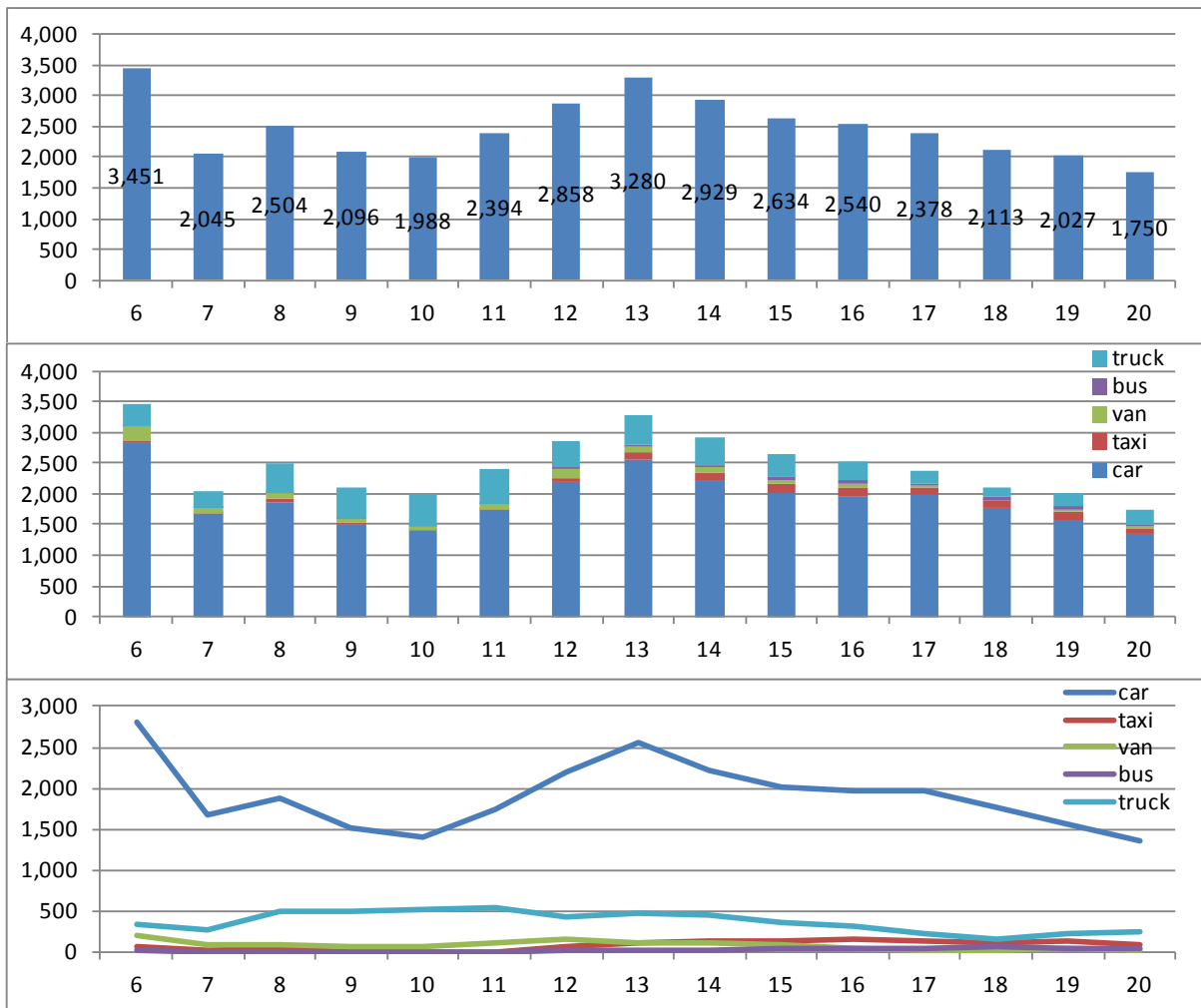


Flow 10.1



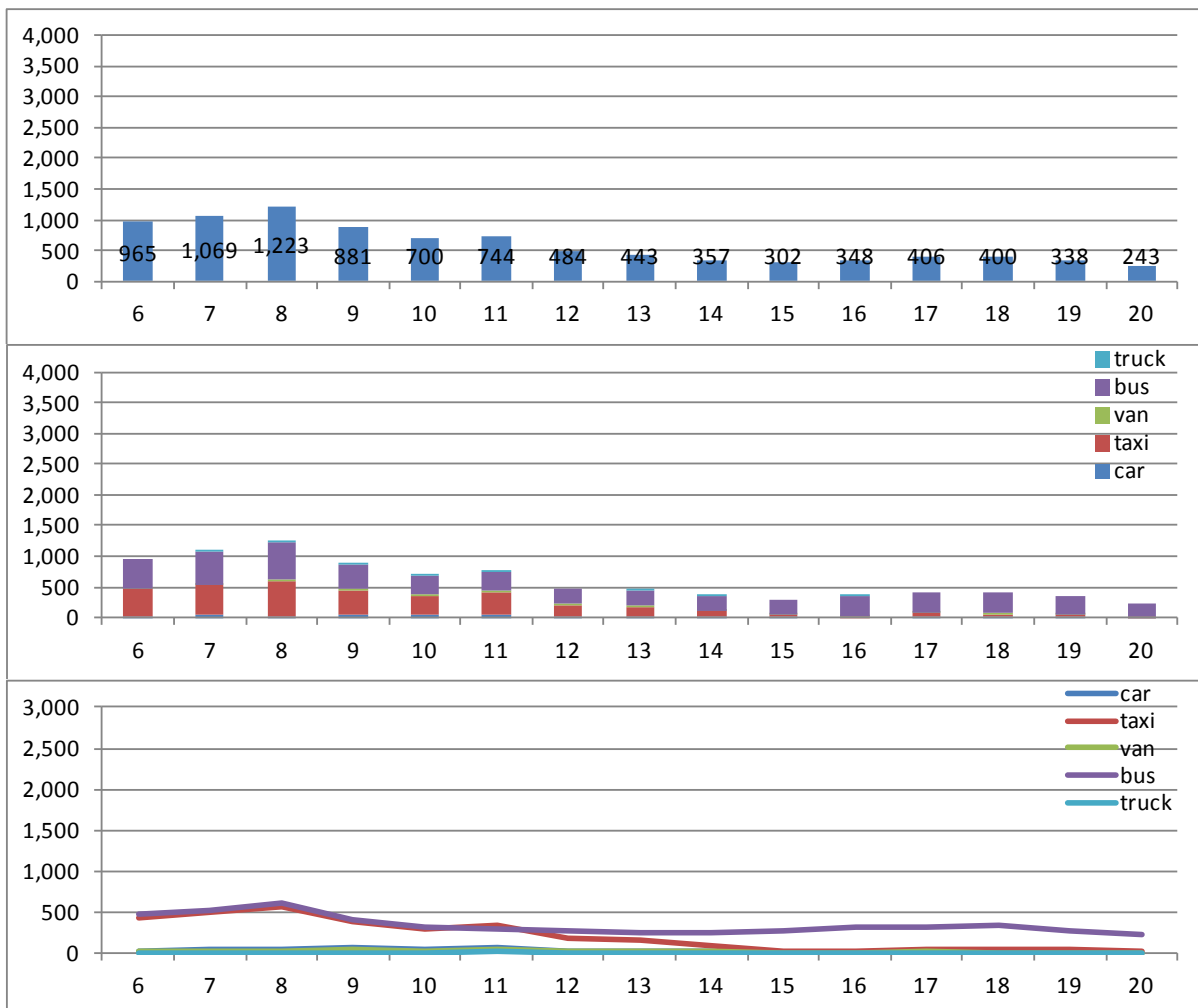


Flow 10.2



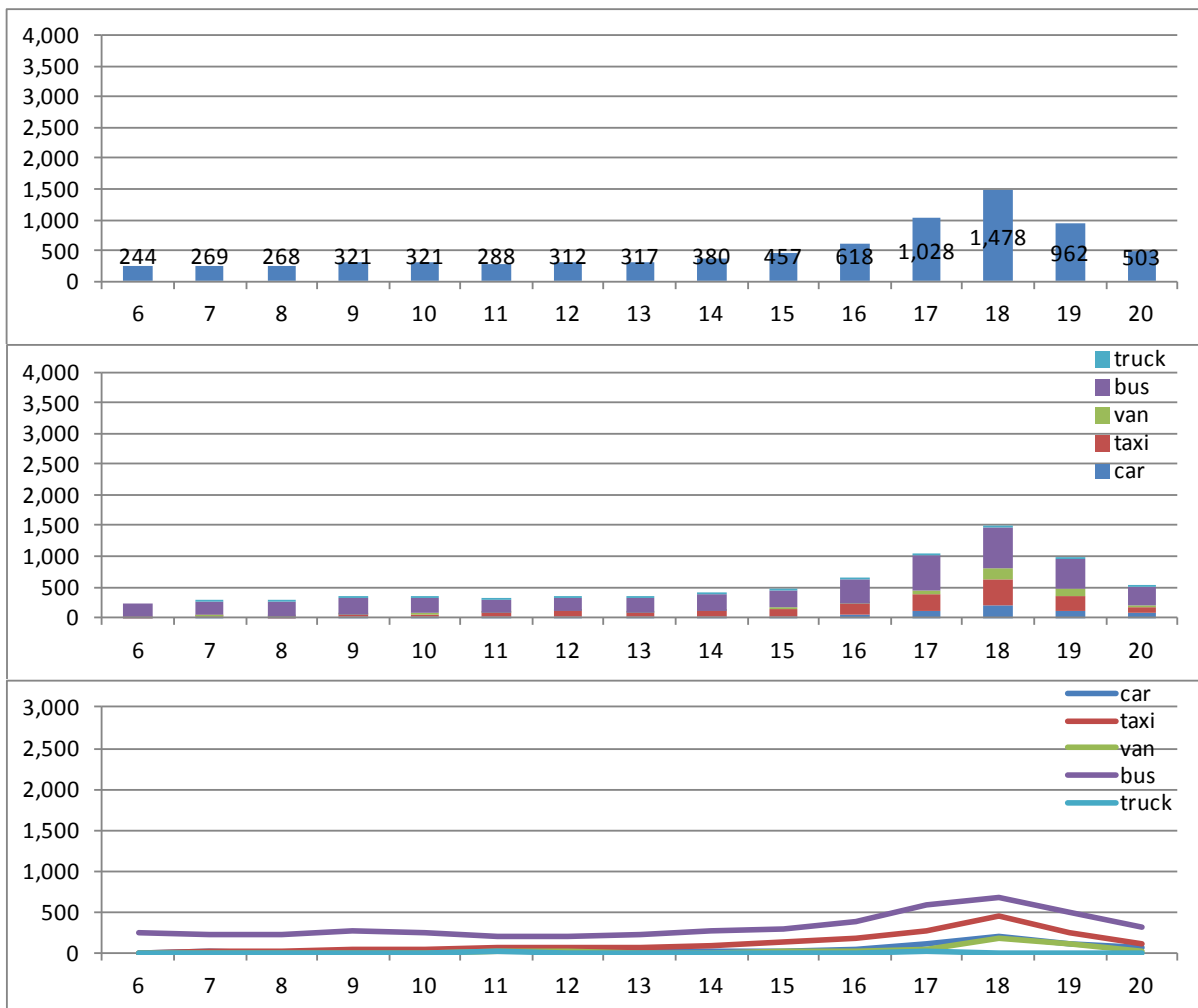


Flow 10.3



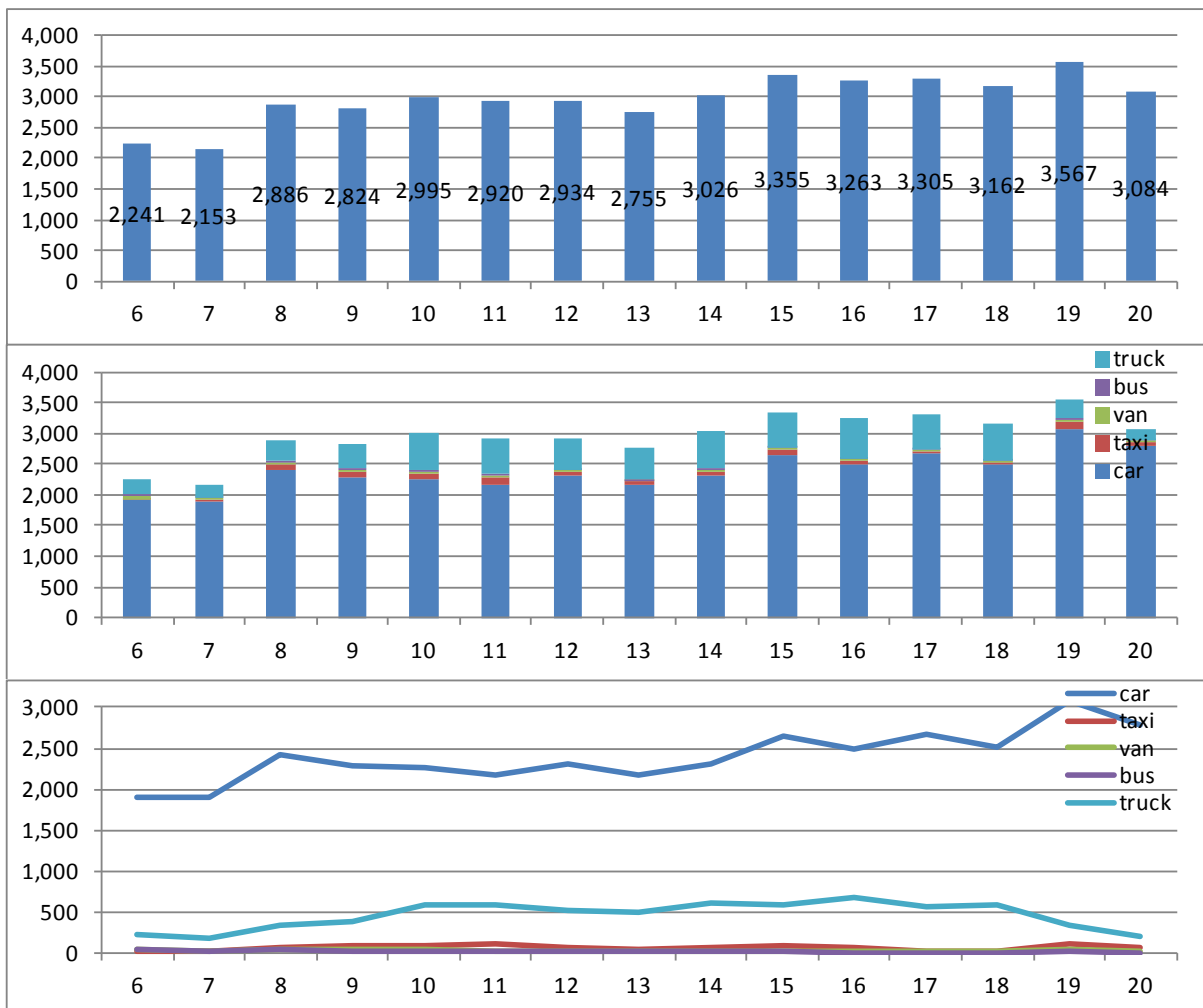


Flow 10.4



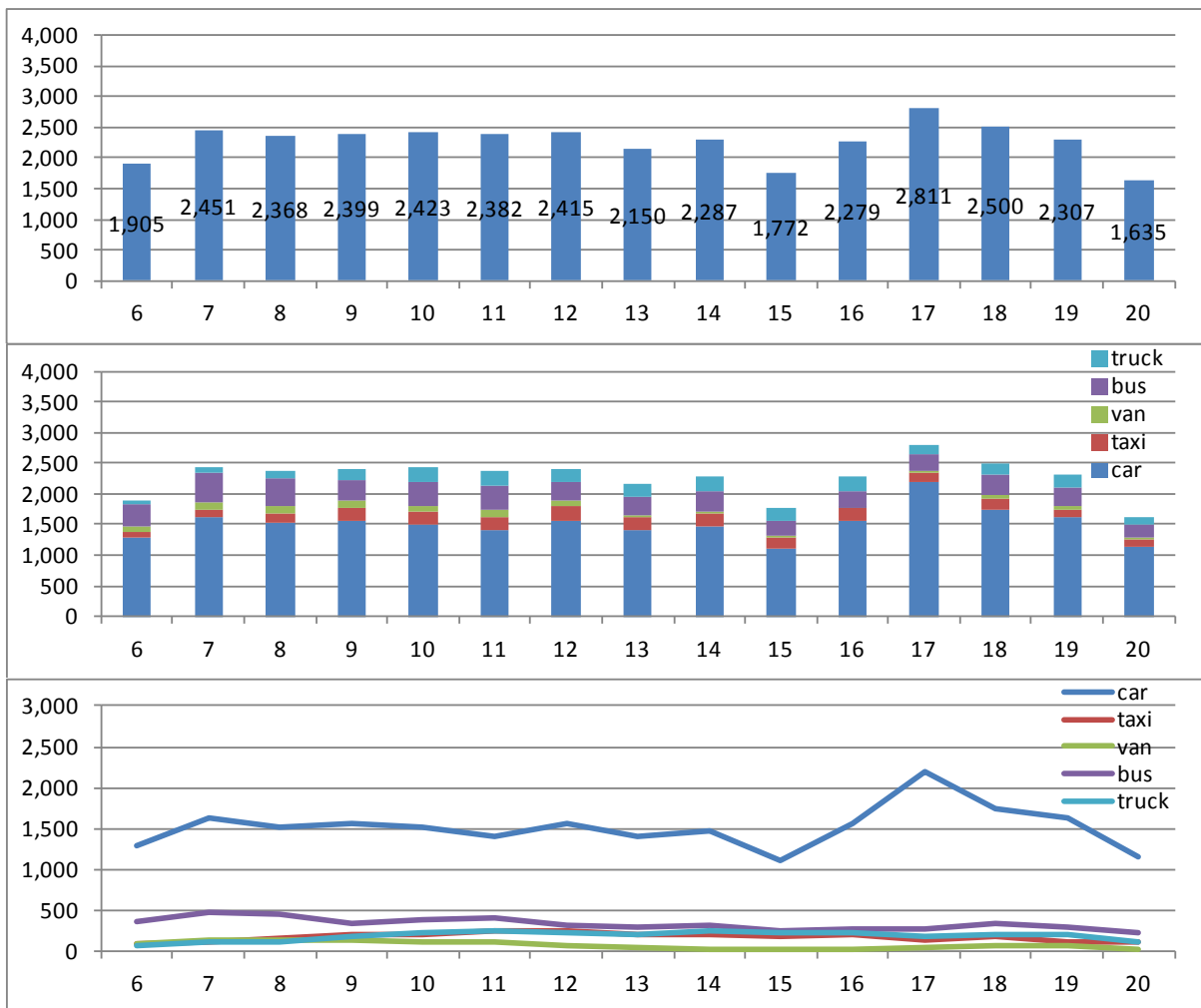


Flow 10.5



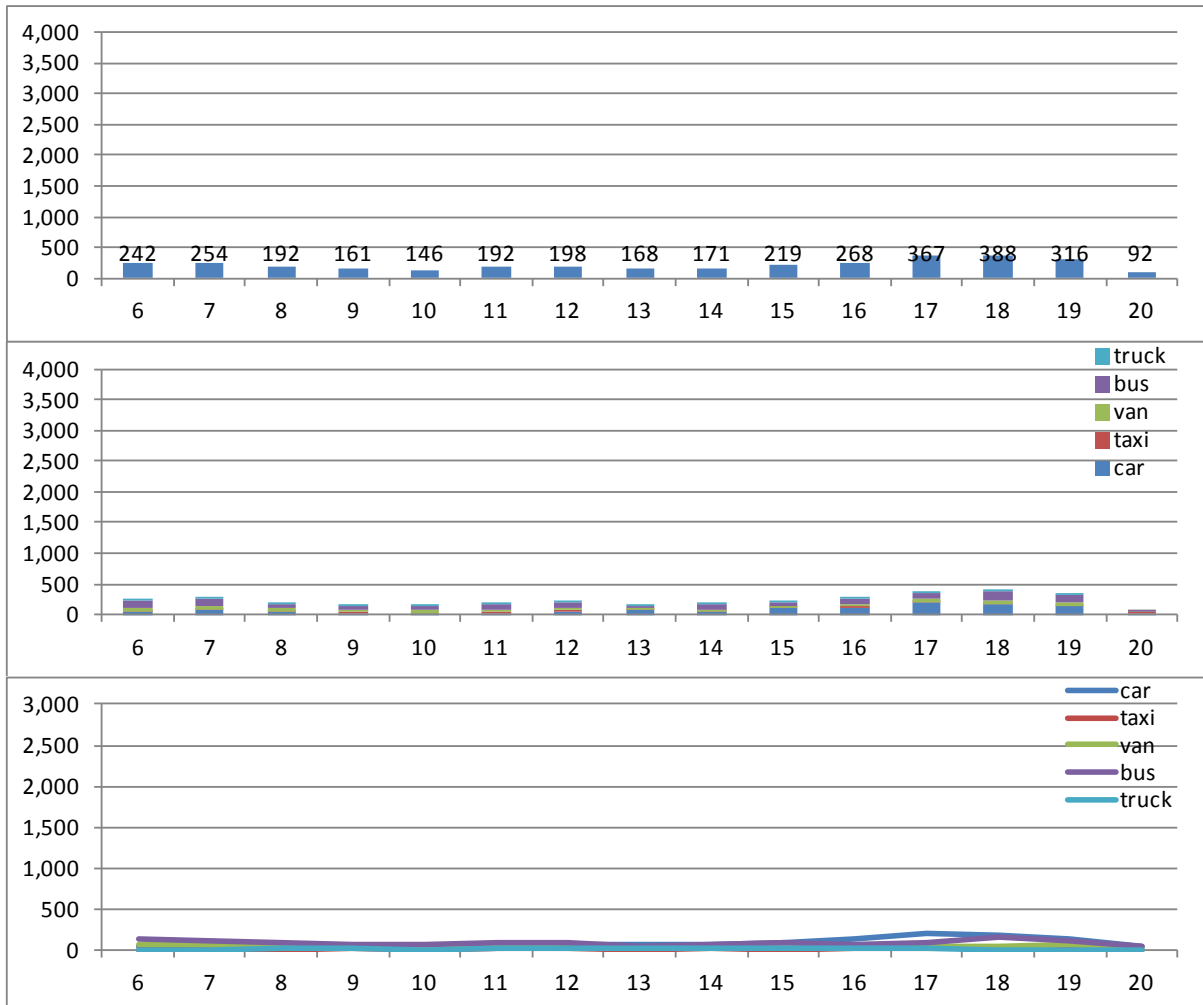


Flow 10.6





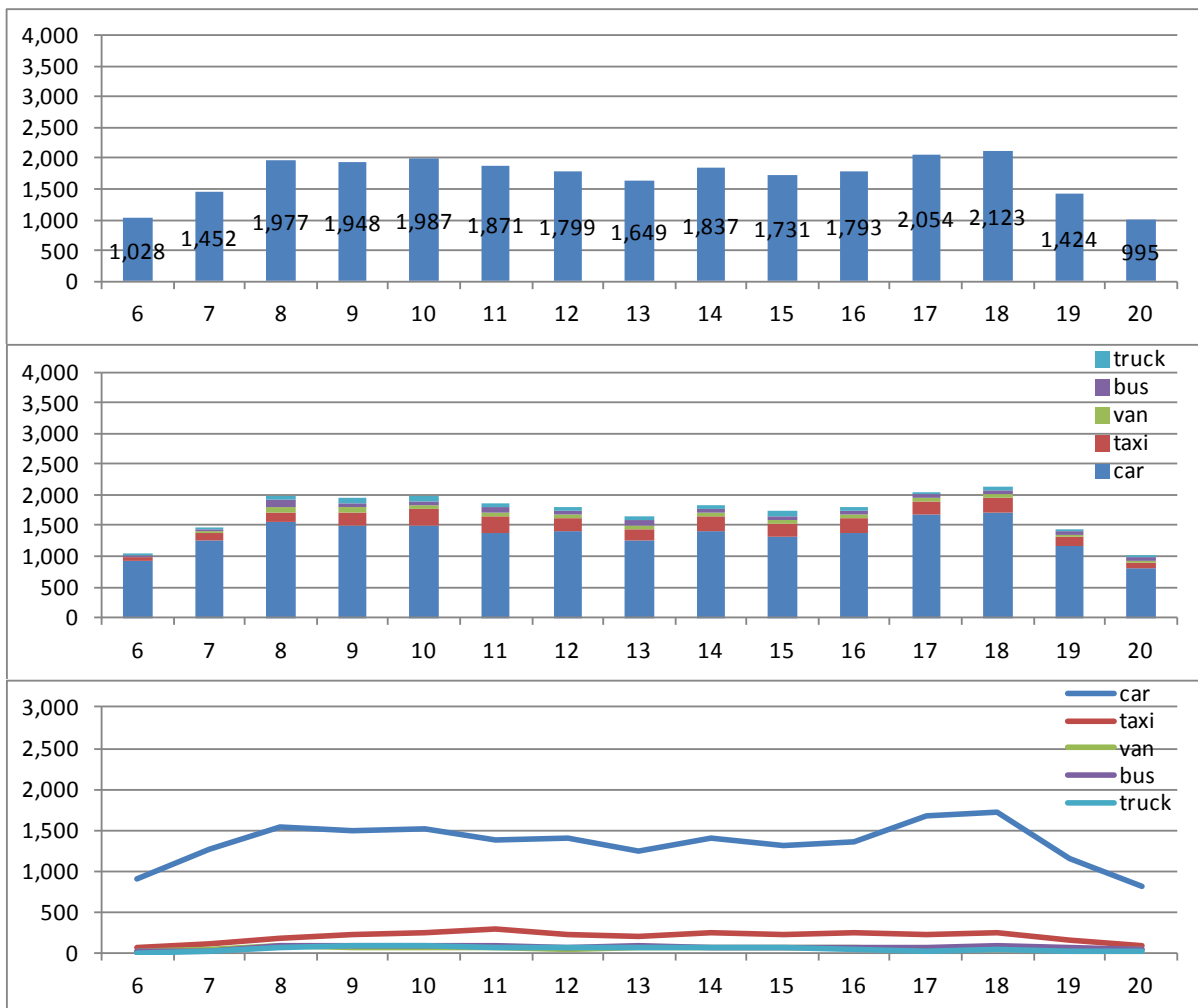
Flow 10.7



xi) R. Goiás and Av. Amaro Cavalcanti

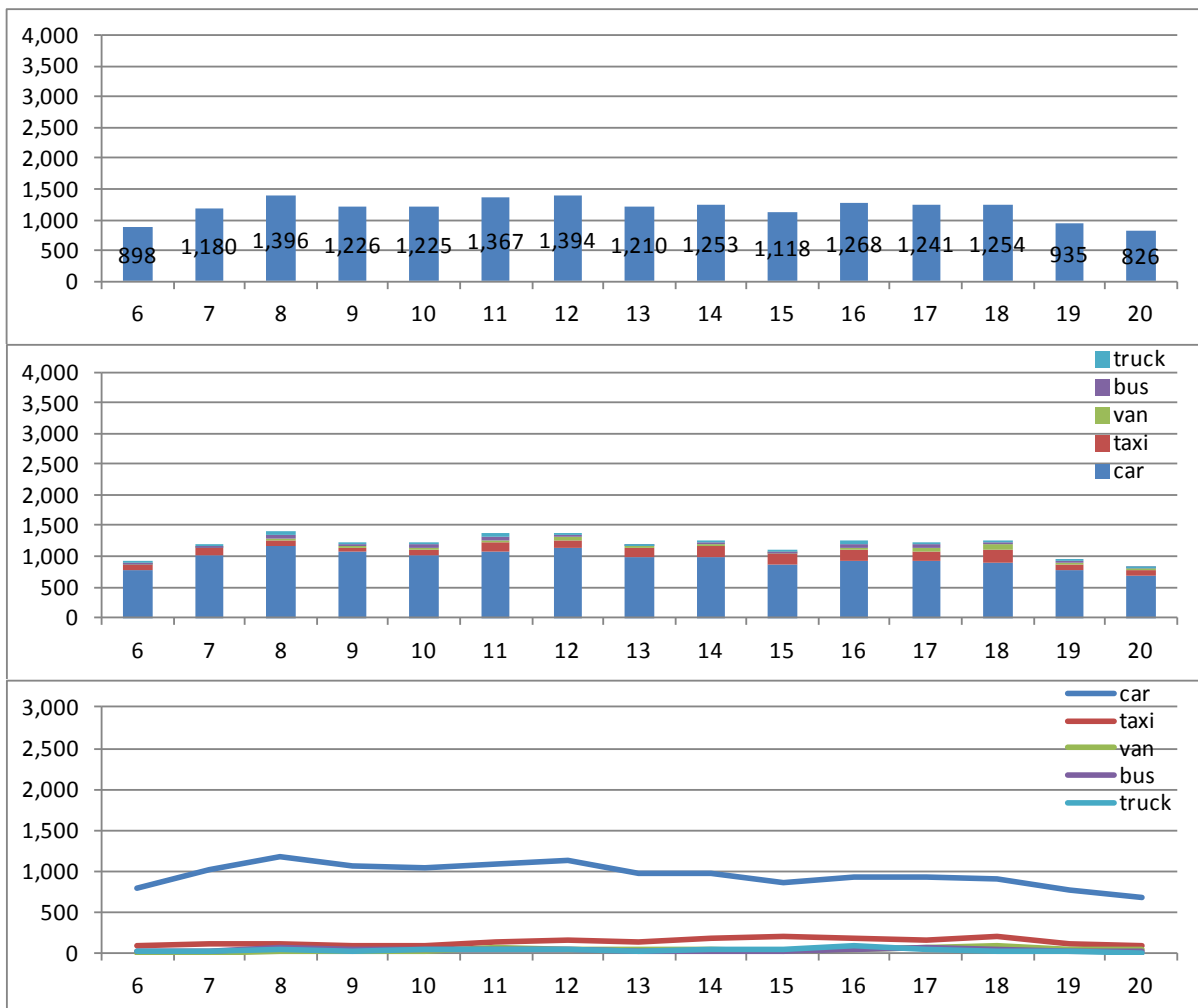


Flow 11.1





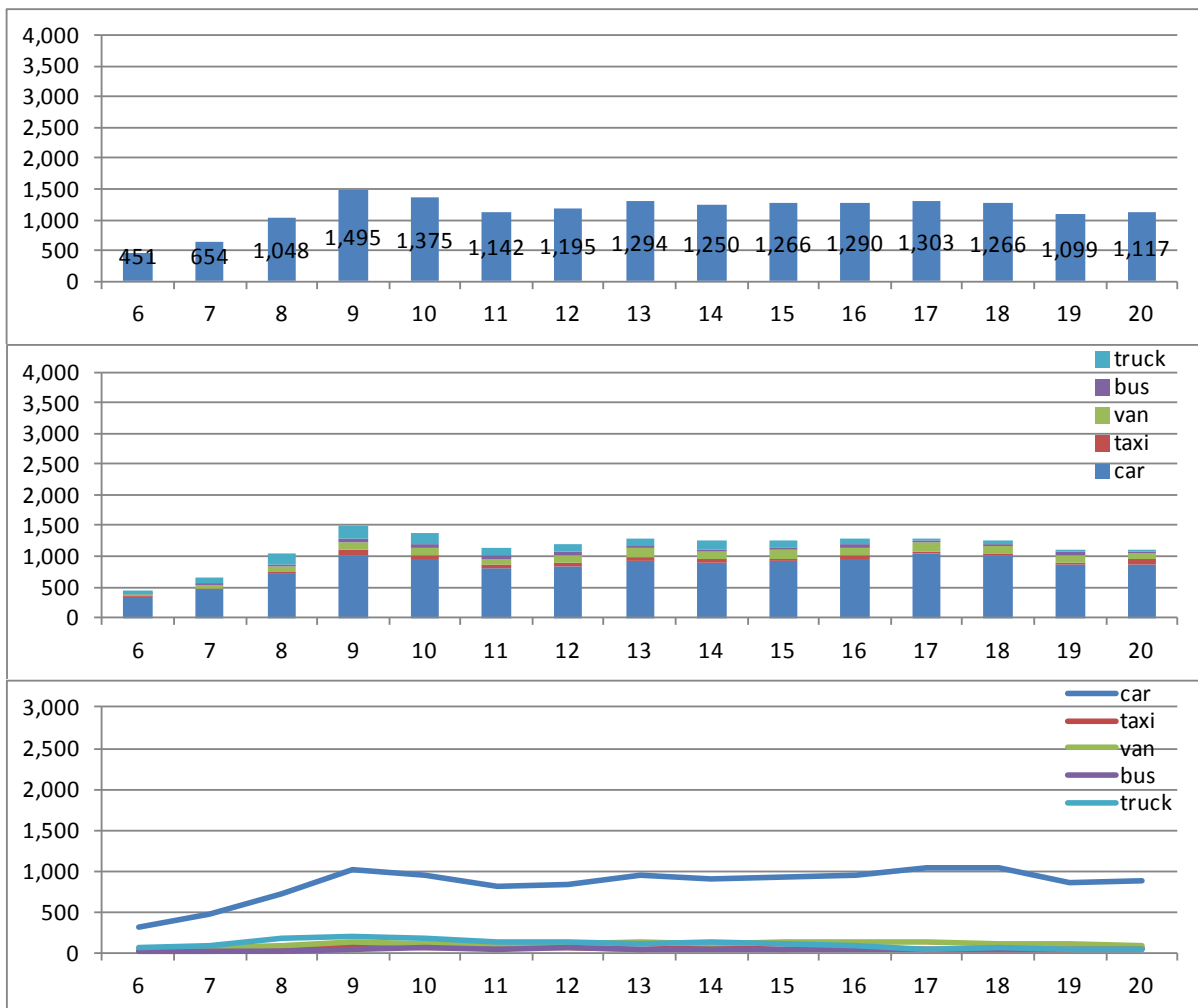
Flow 11.2



xii) Estr. dos Bandeirantes

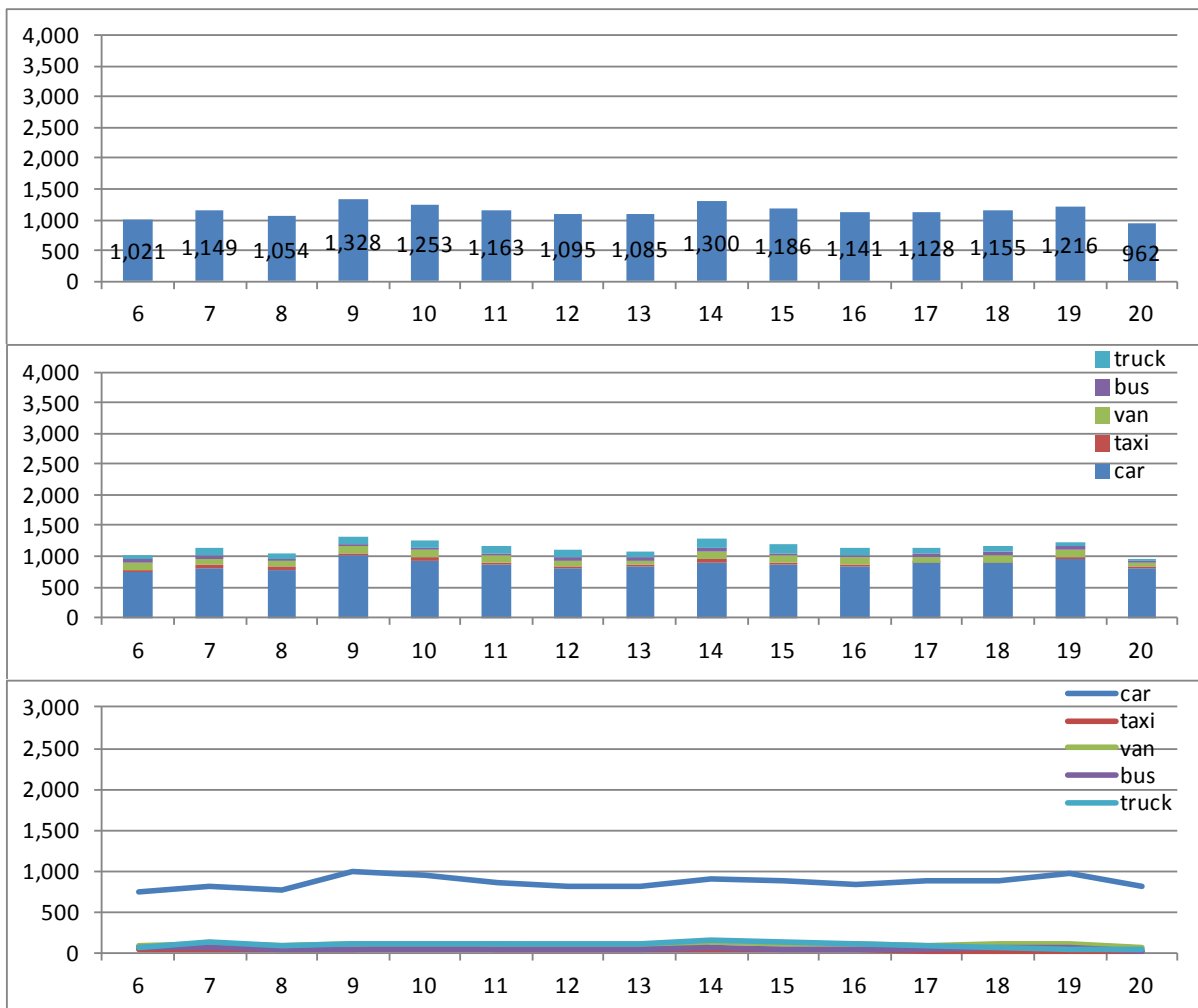


Flow 12.1





Flow 12.2

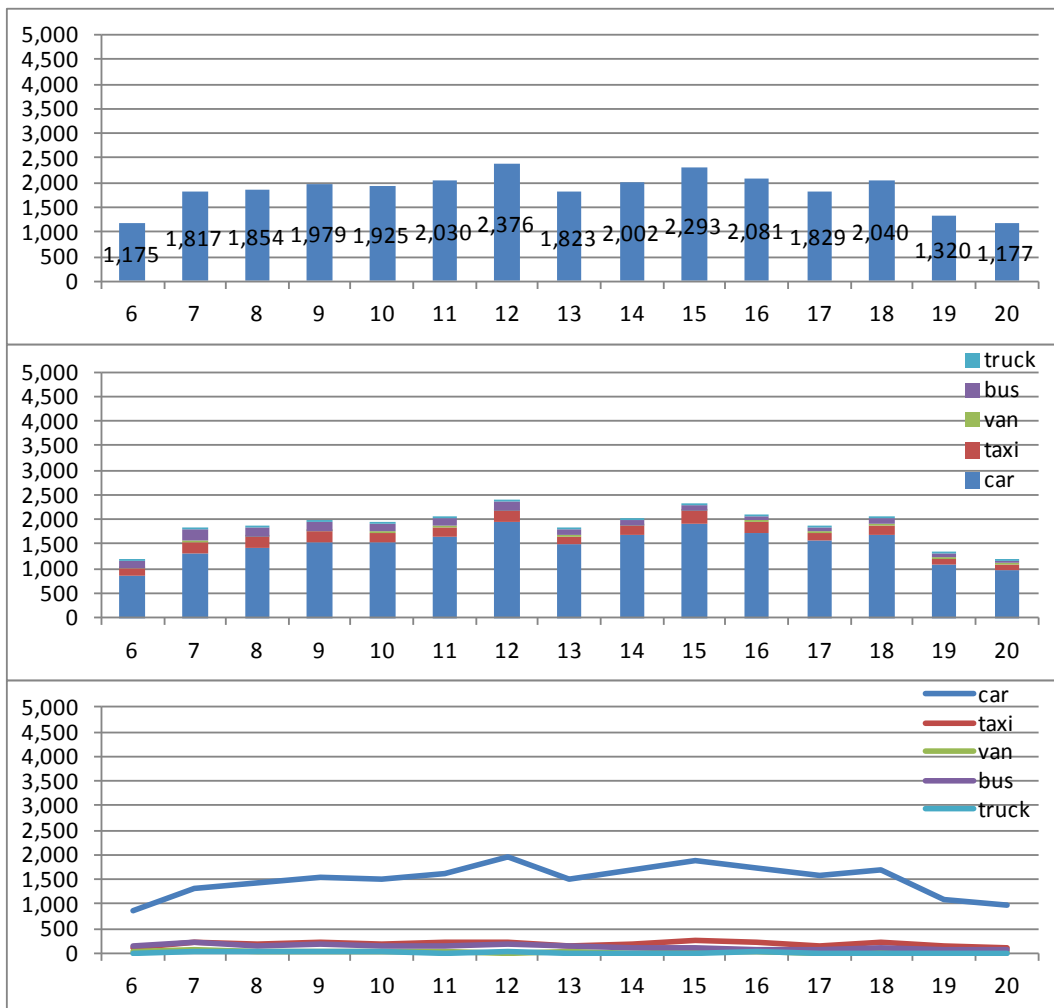


2) Final de Semana (5 de Agosto)

i) Av. Presidente Vargas – Av. Francisco Bicalho (North, South, East, West)

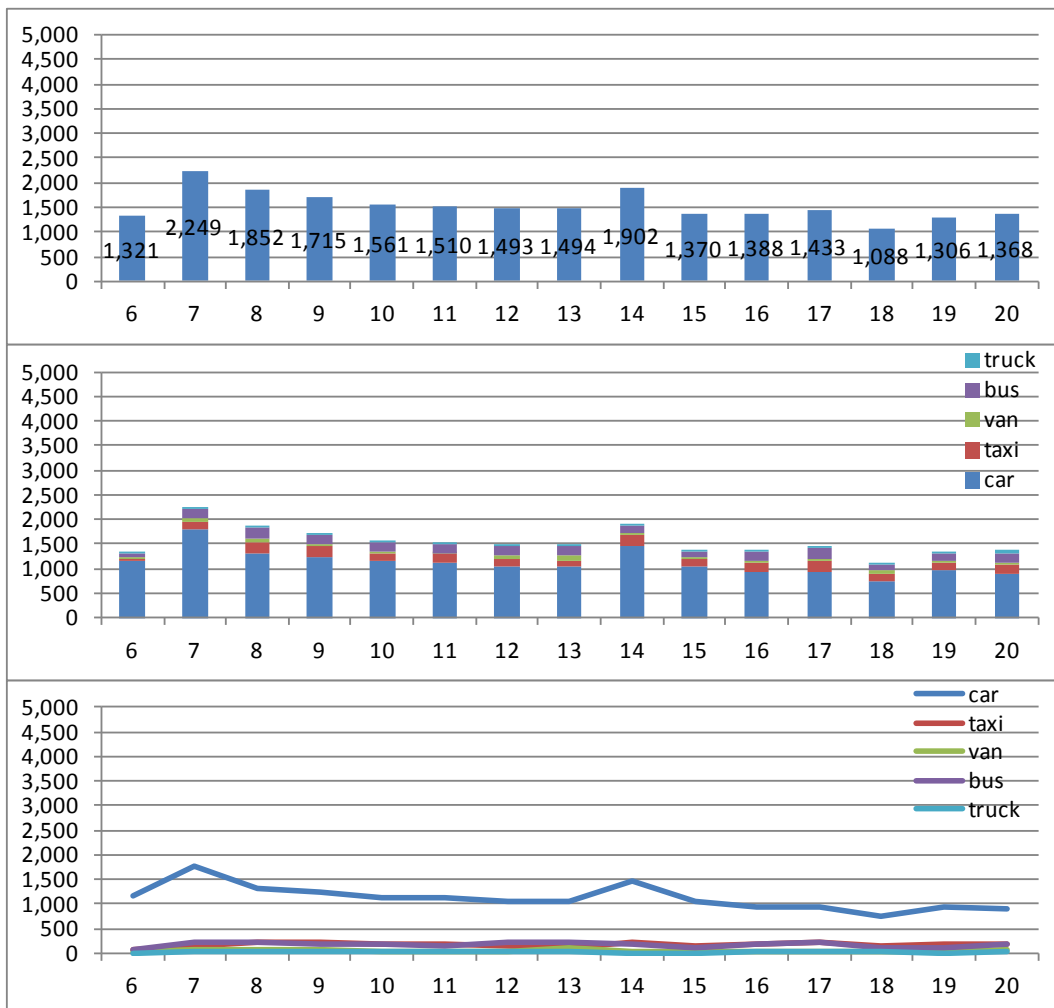


Flow 7.1



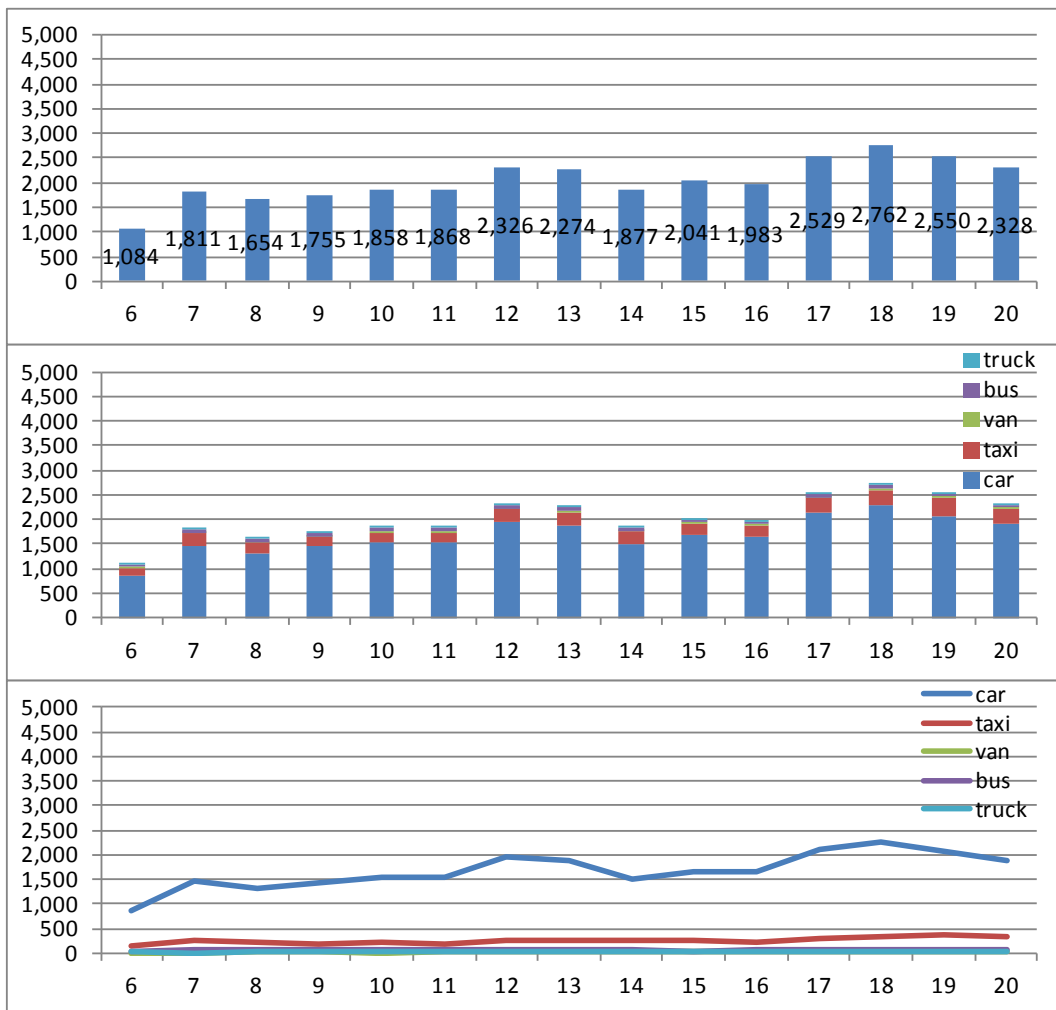


Flow 7.2



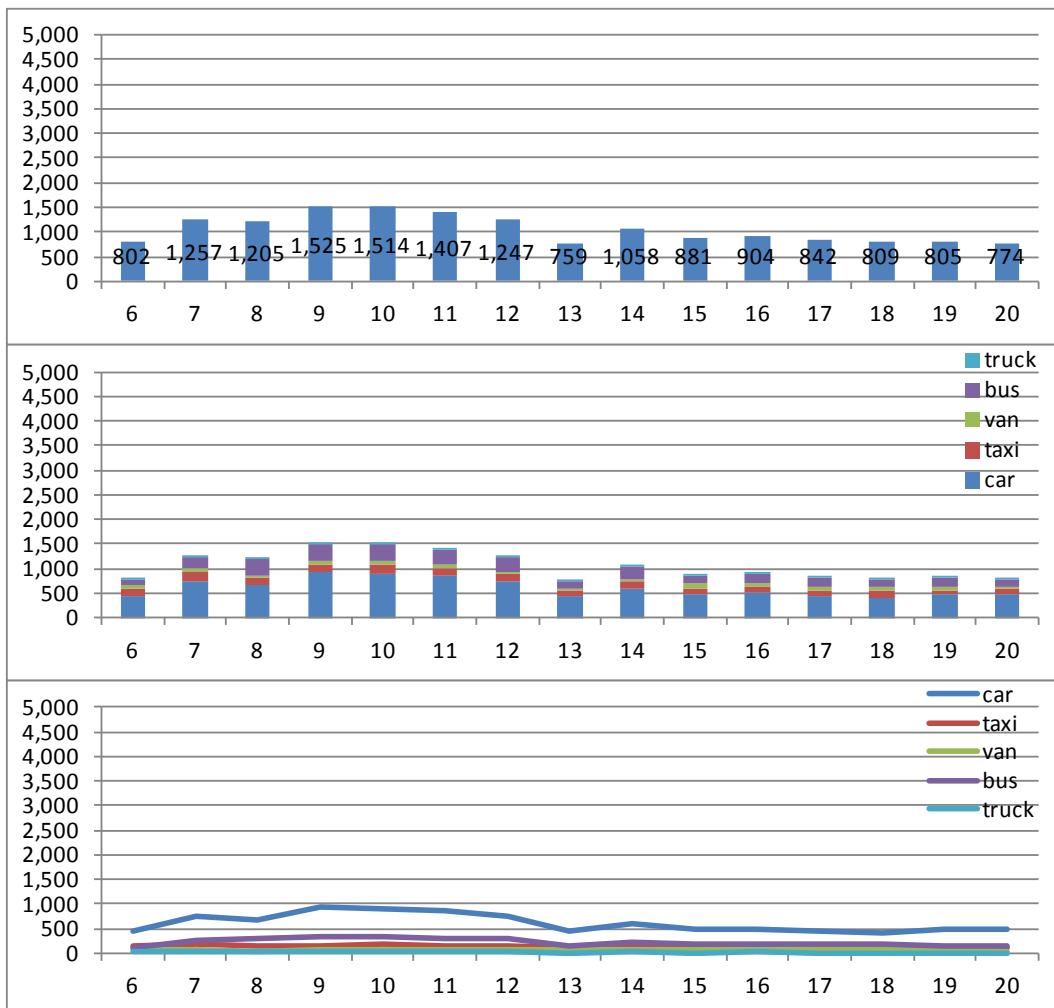


Flow 7.3



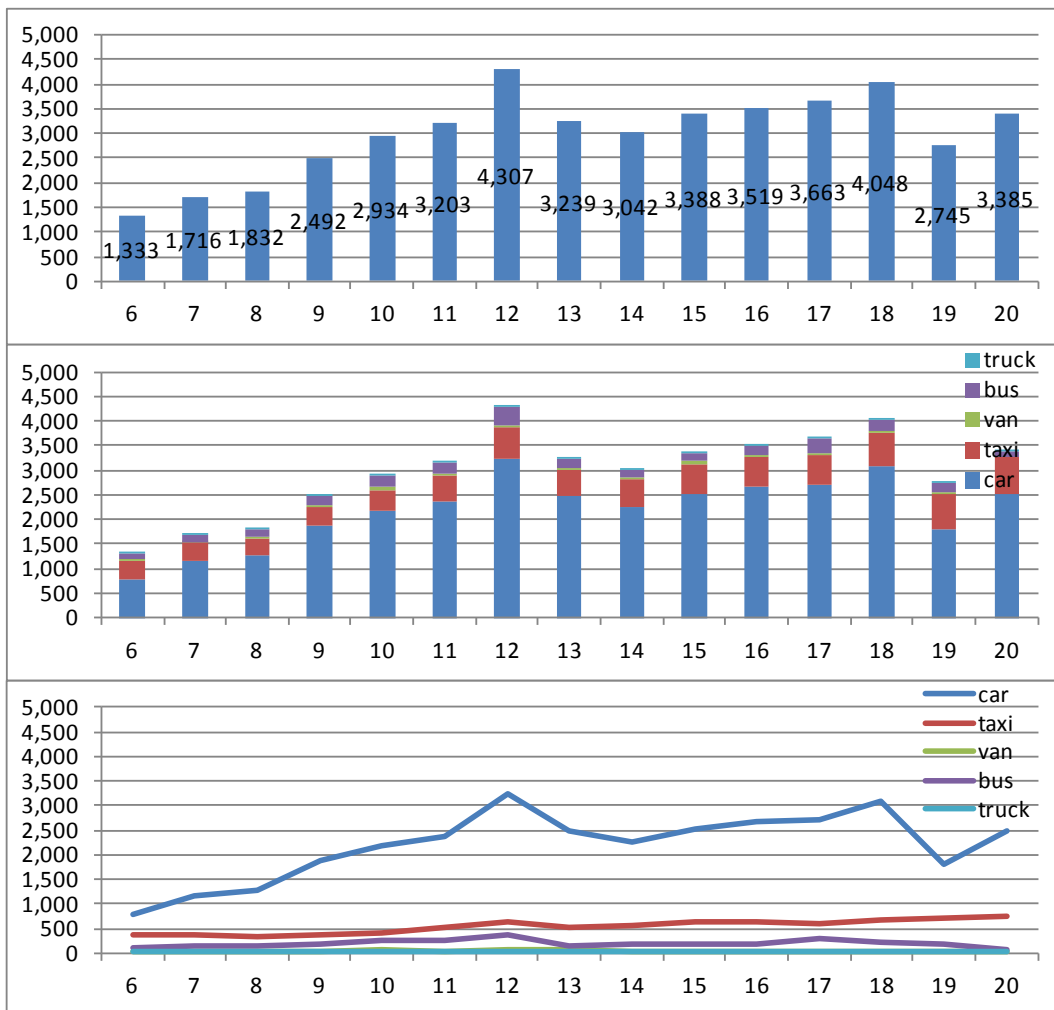


Flow 7.4



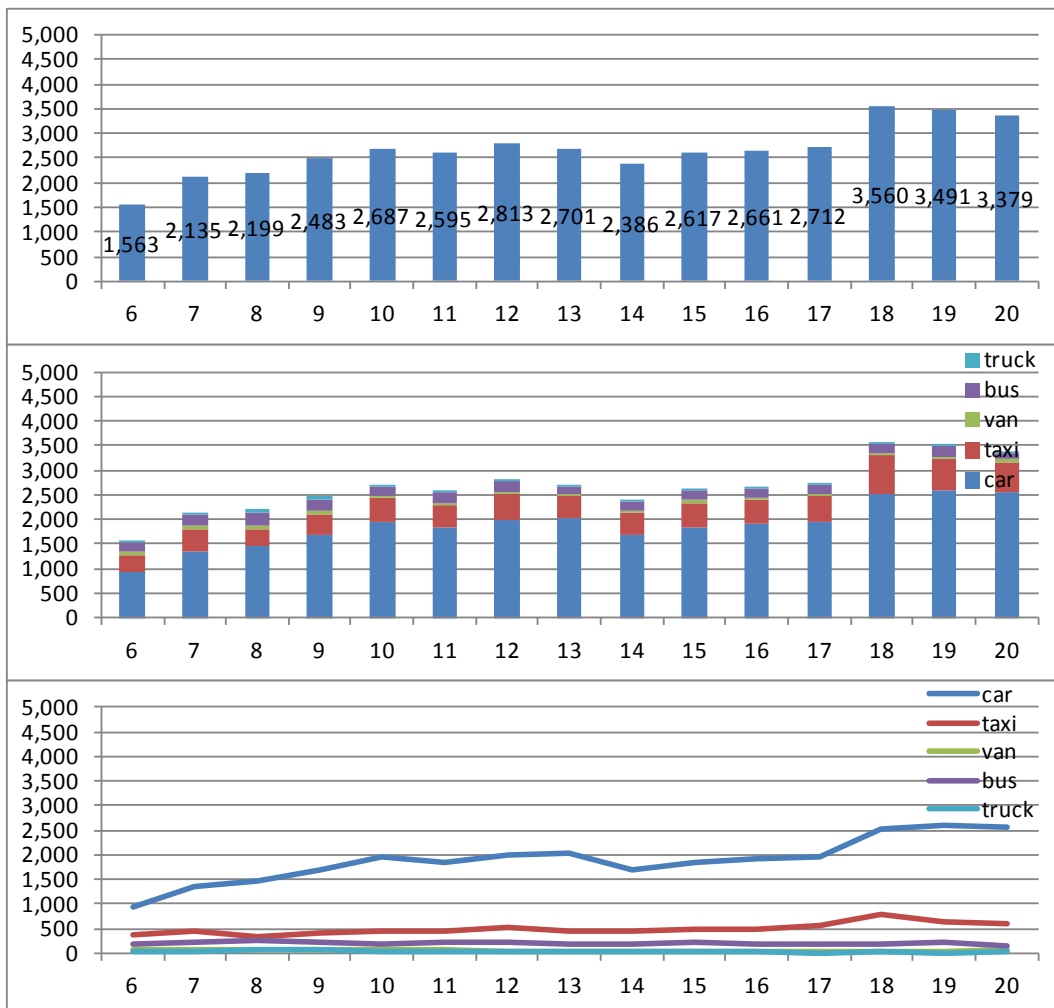


Flow 7.5



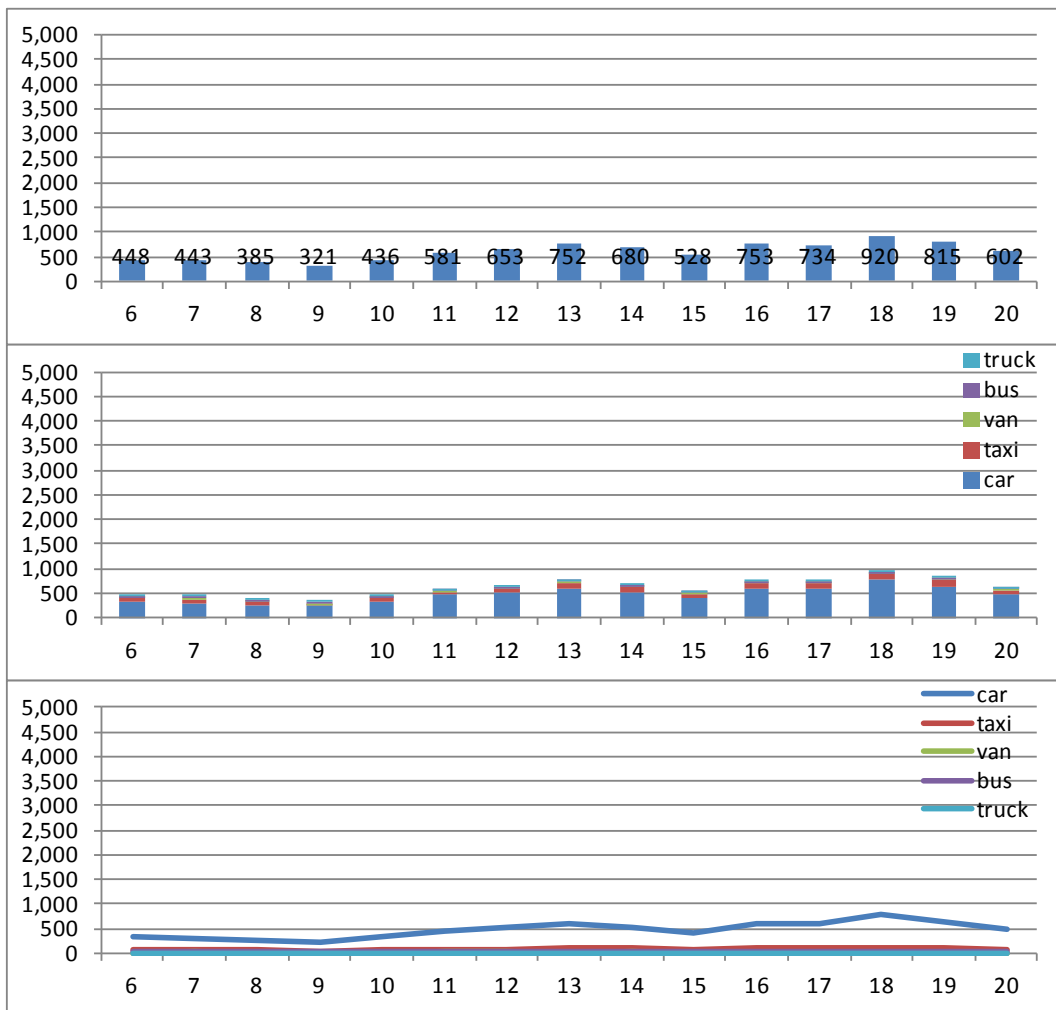


Flow 7.6



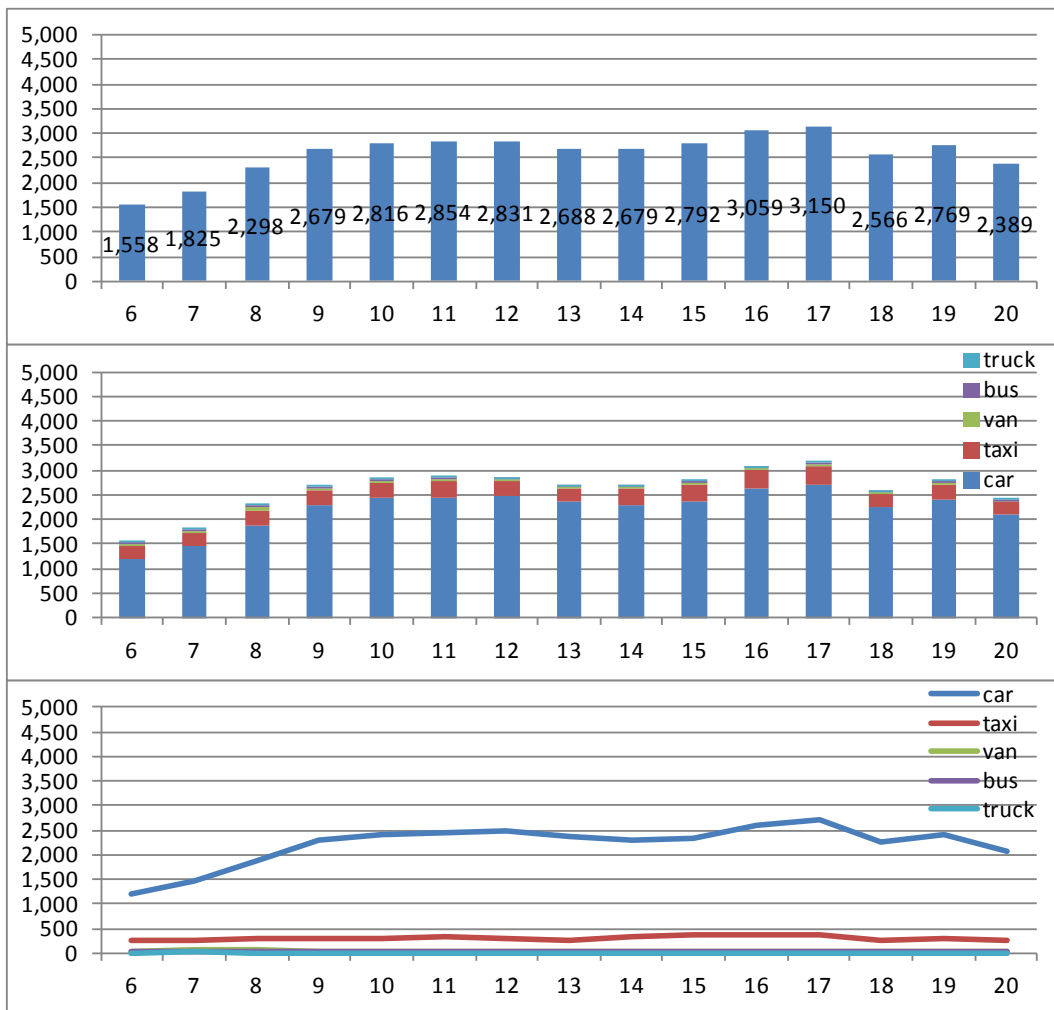


Flow 7.7



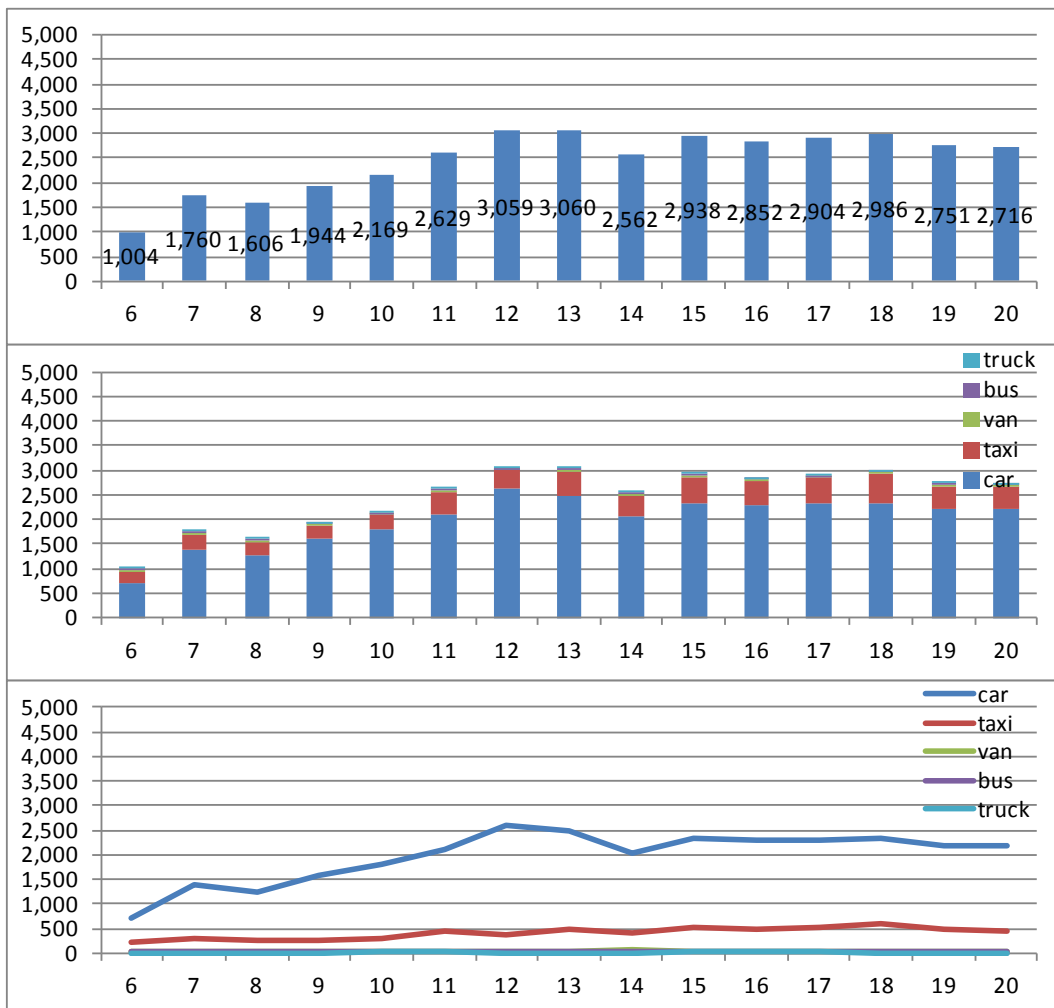


Flow 7.8



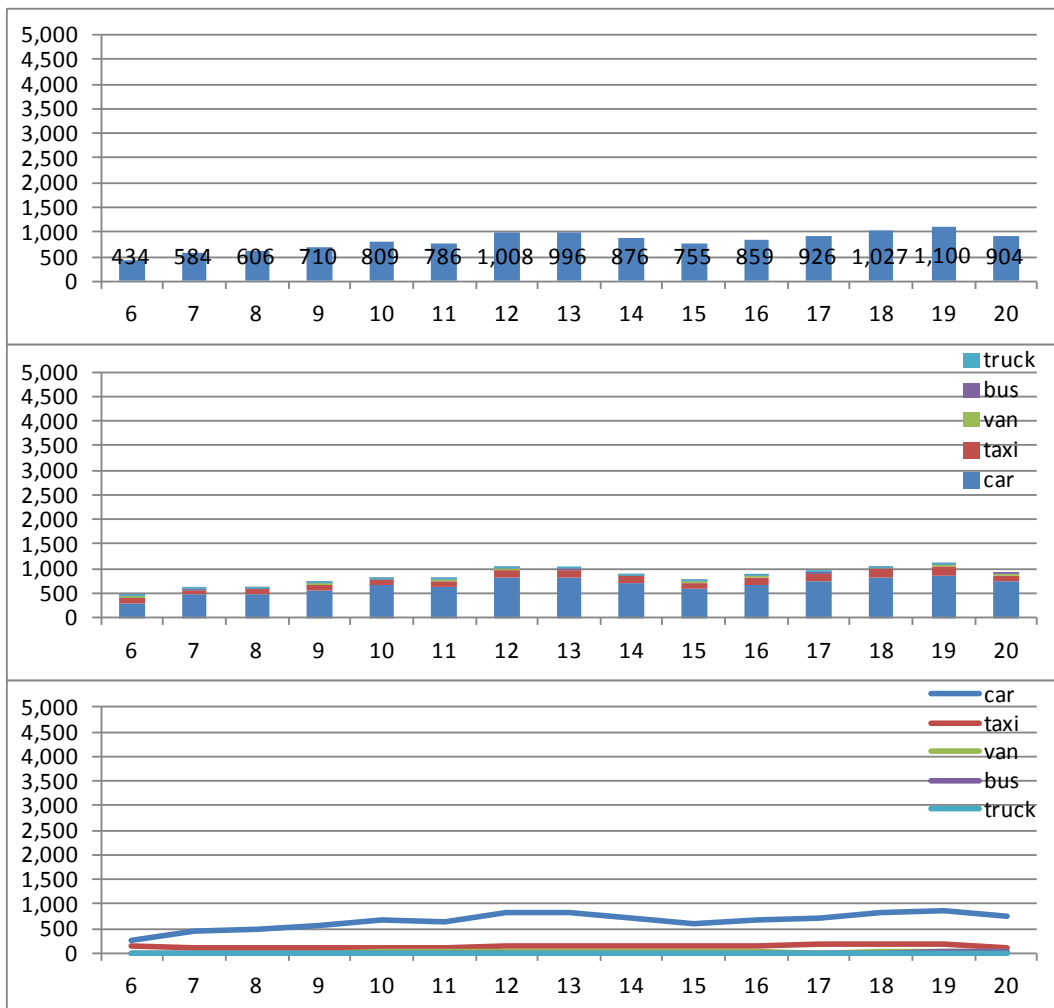


Flow 7.9



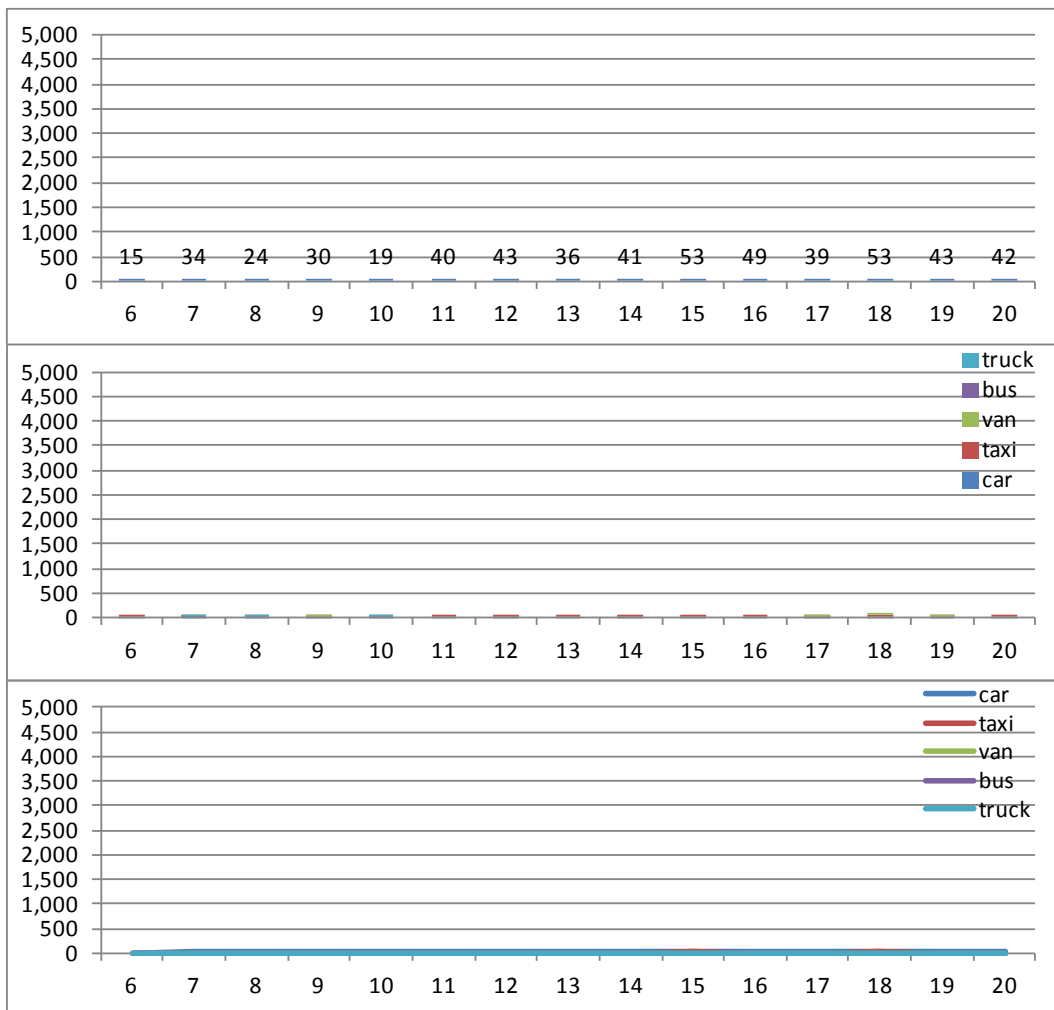


Flow 7.10



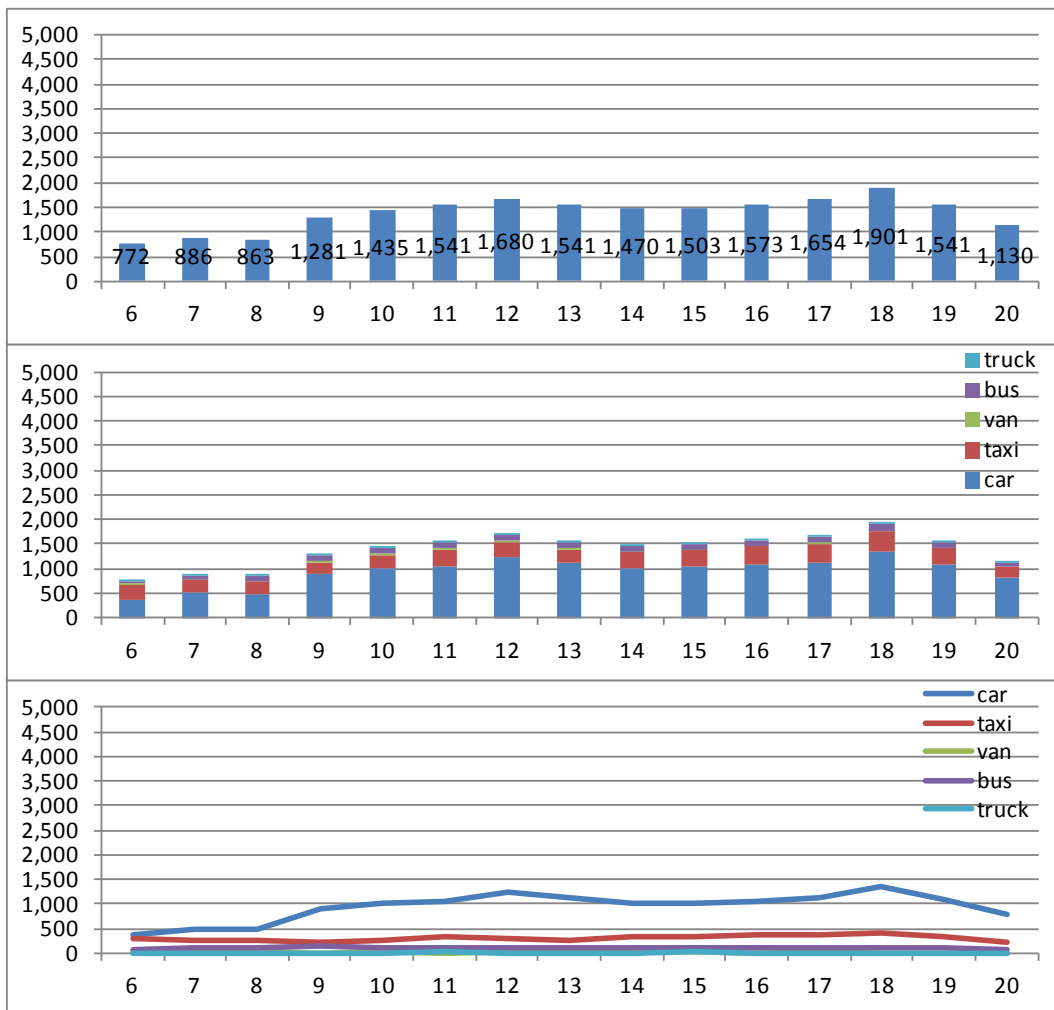


Flow 7.11



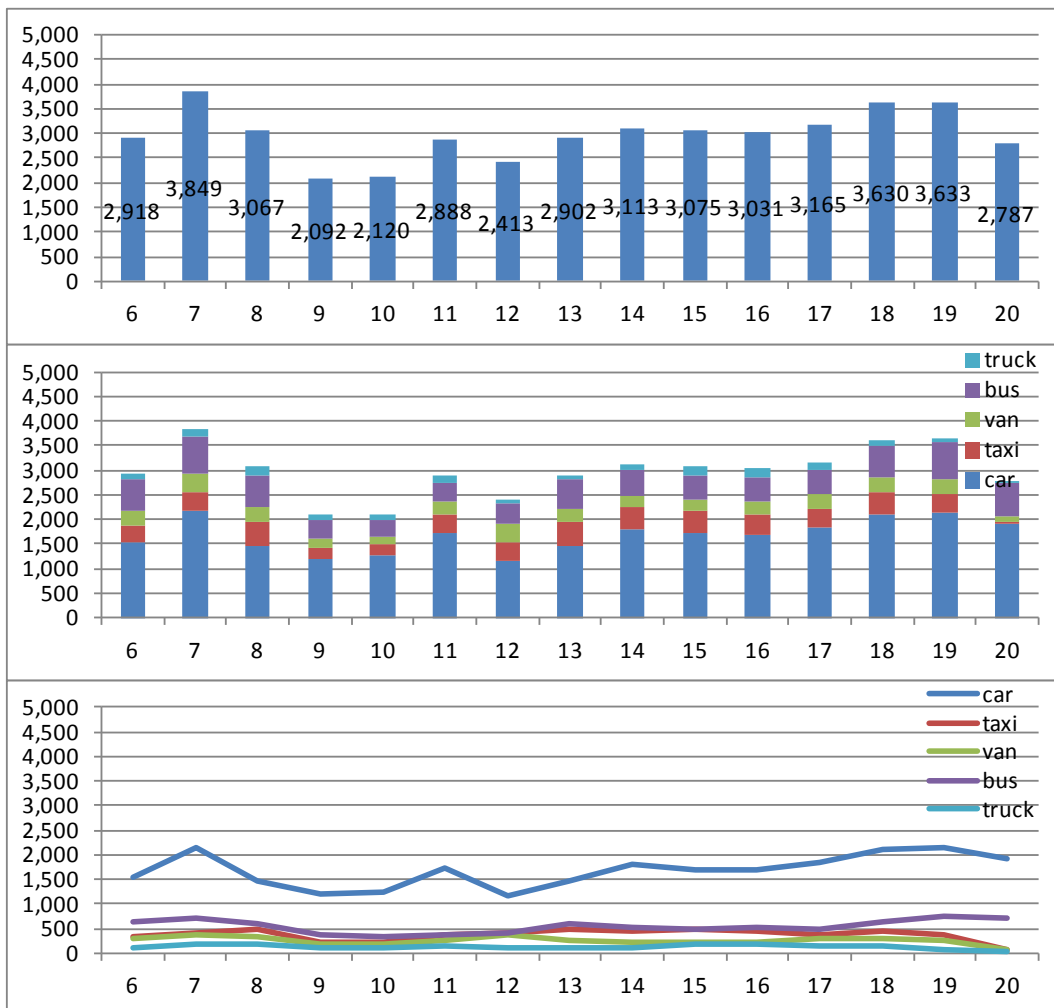


Flow 7.12



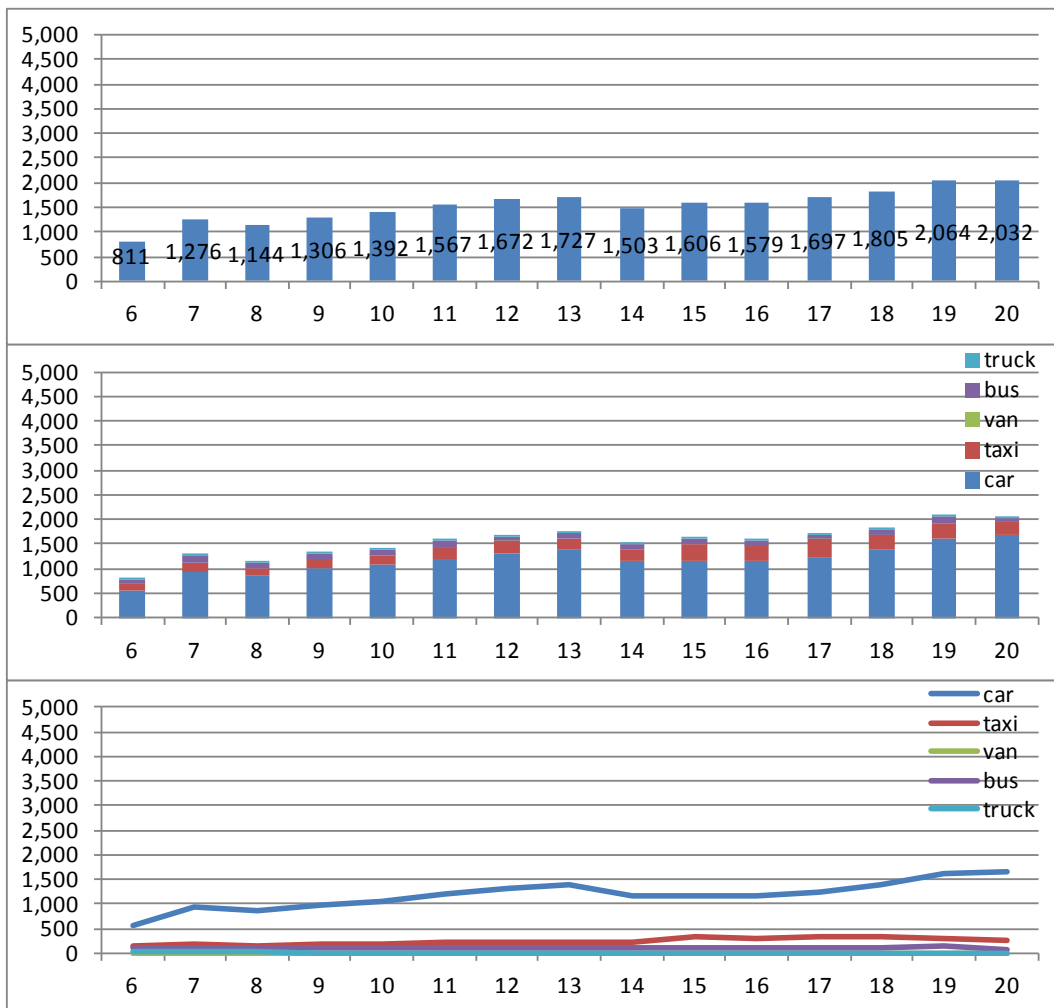


Flow 7.13



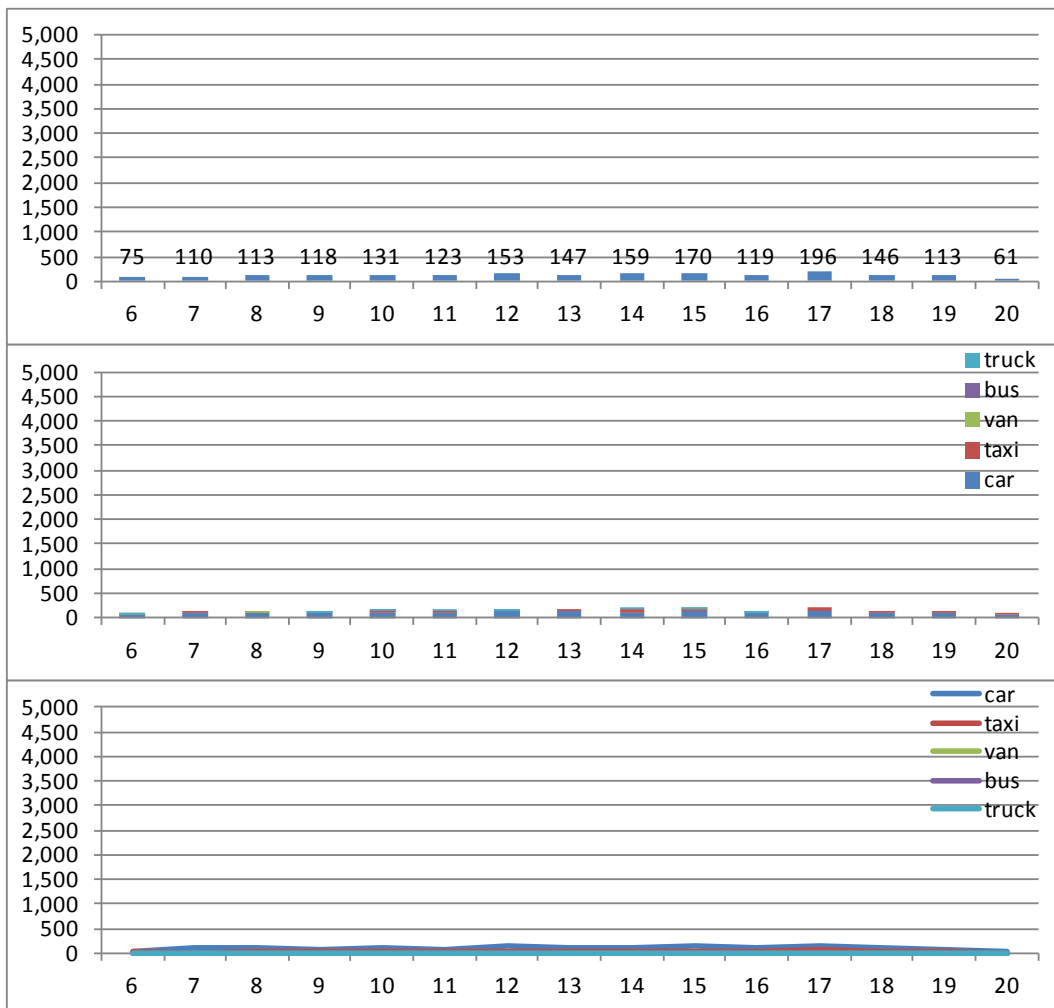


Flow 7.14



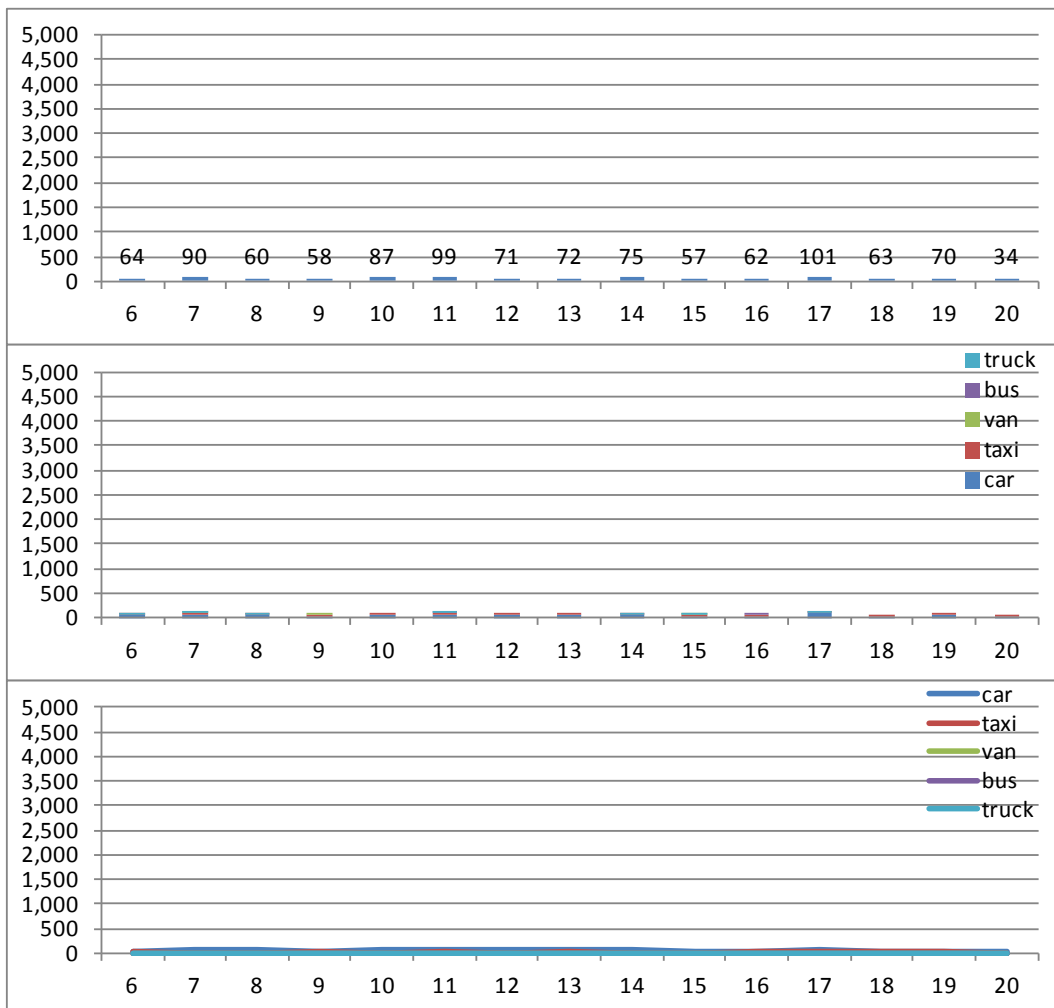


Flow 7.15





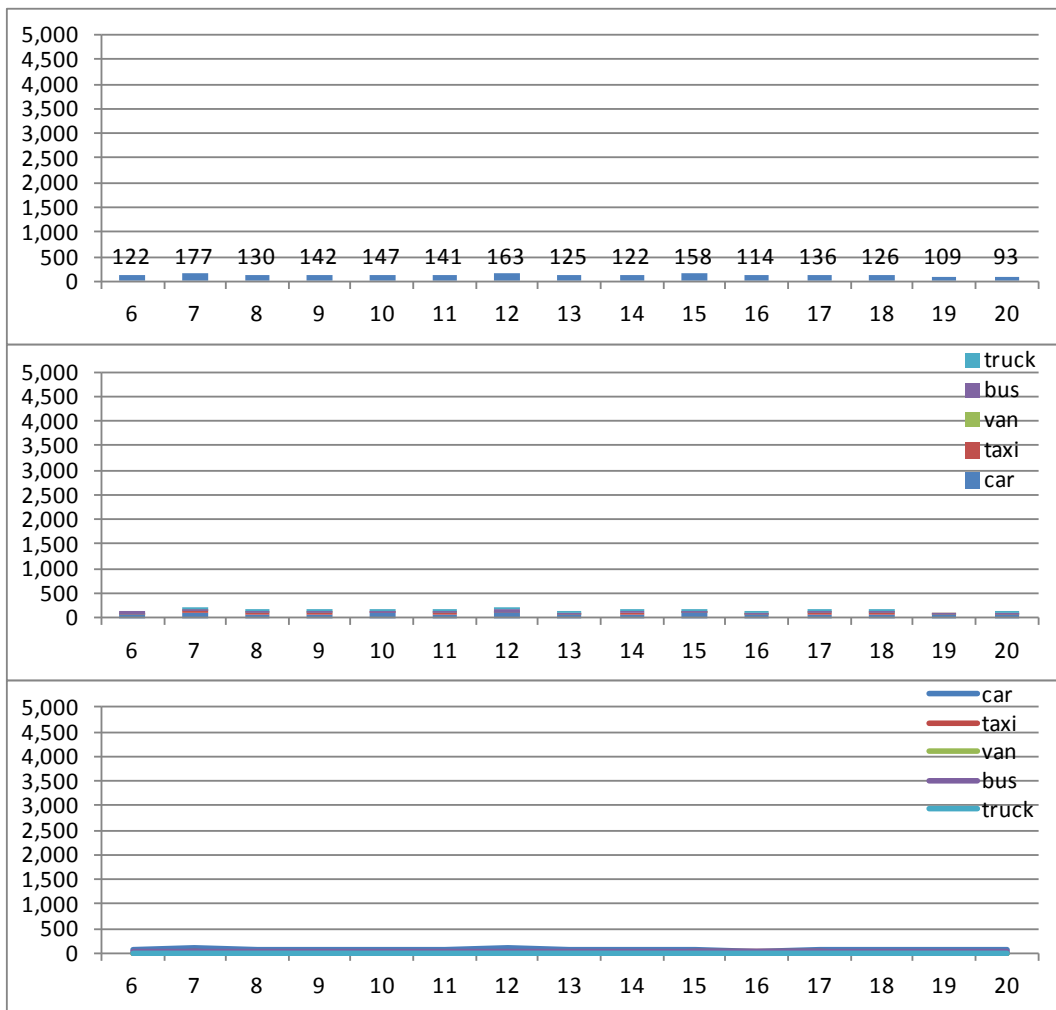
Flow 7.16



ii) Est. do Galeao – Linha Vermelha (North, South, East)

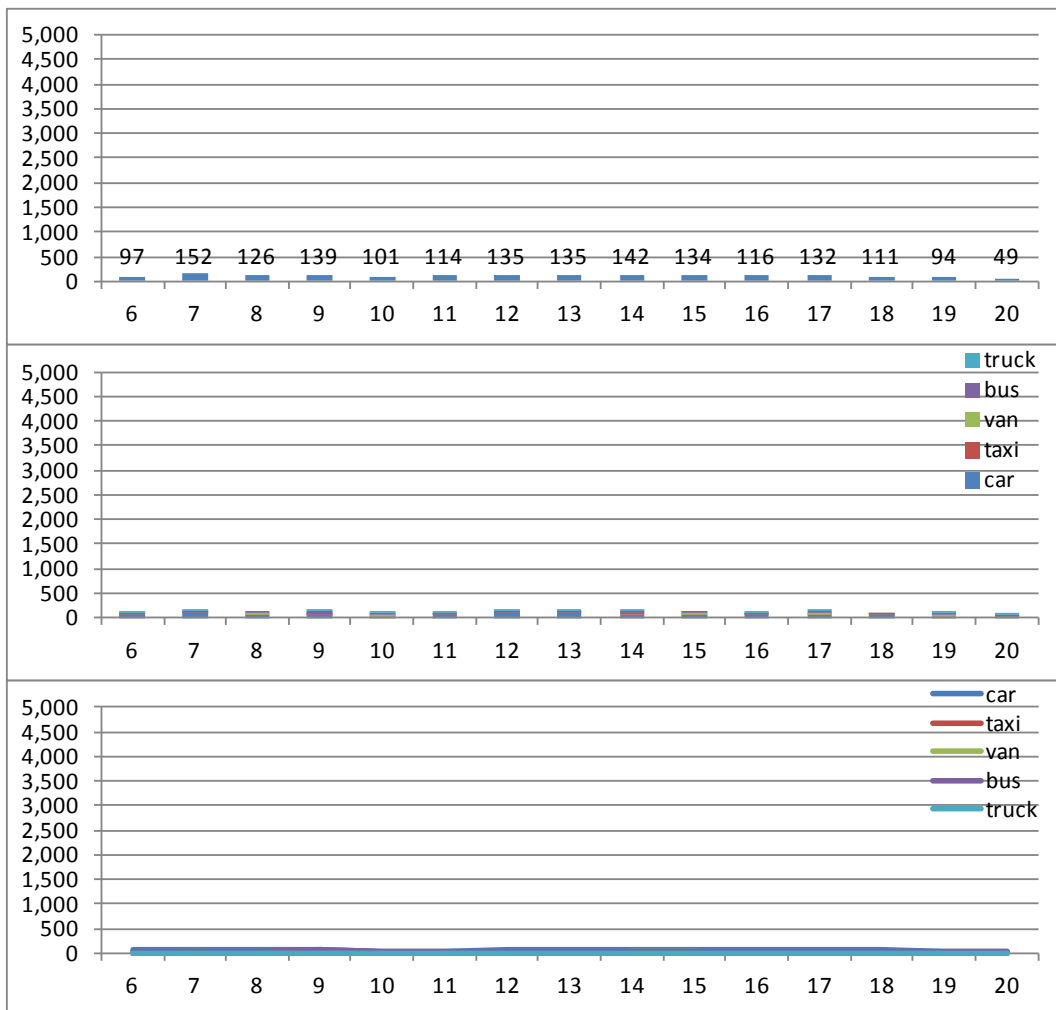


Flow 8.1



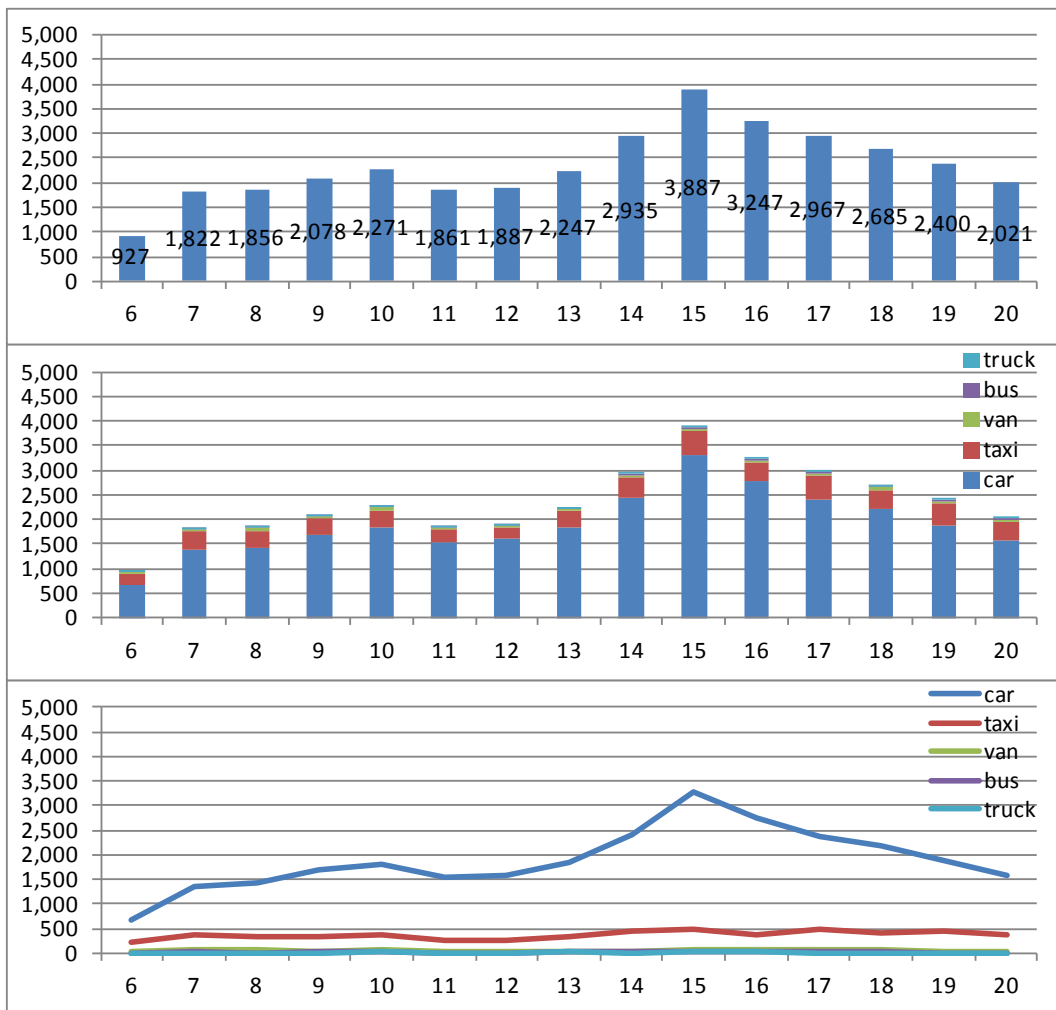


Flow 8.2



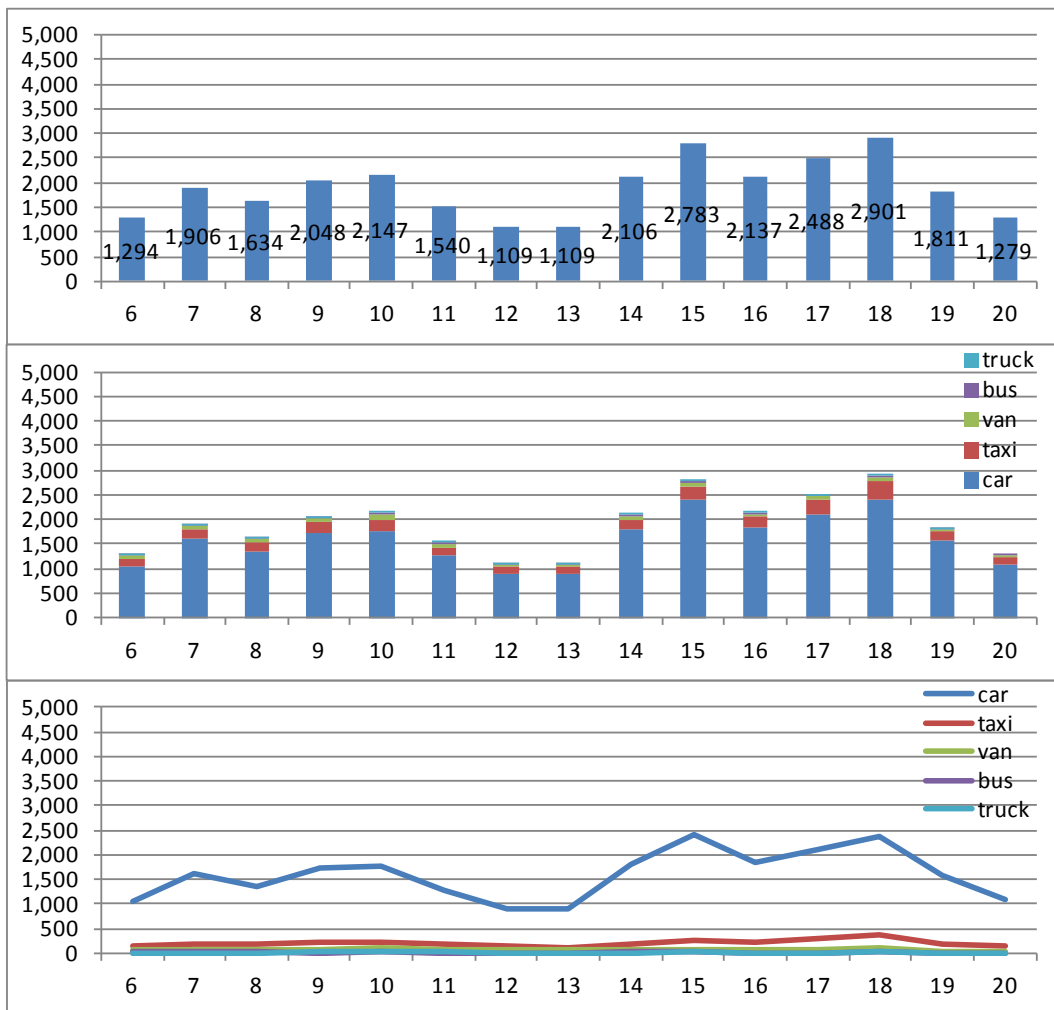


Flow 8.3



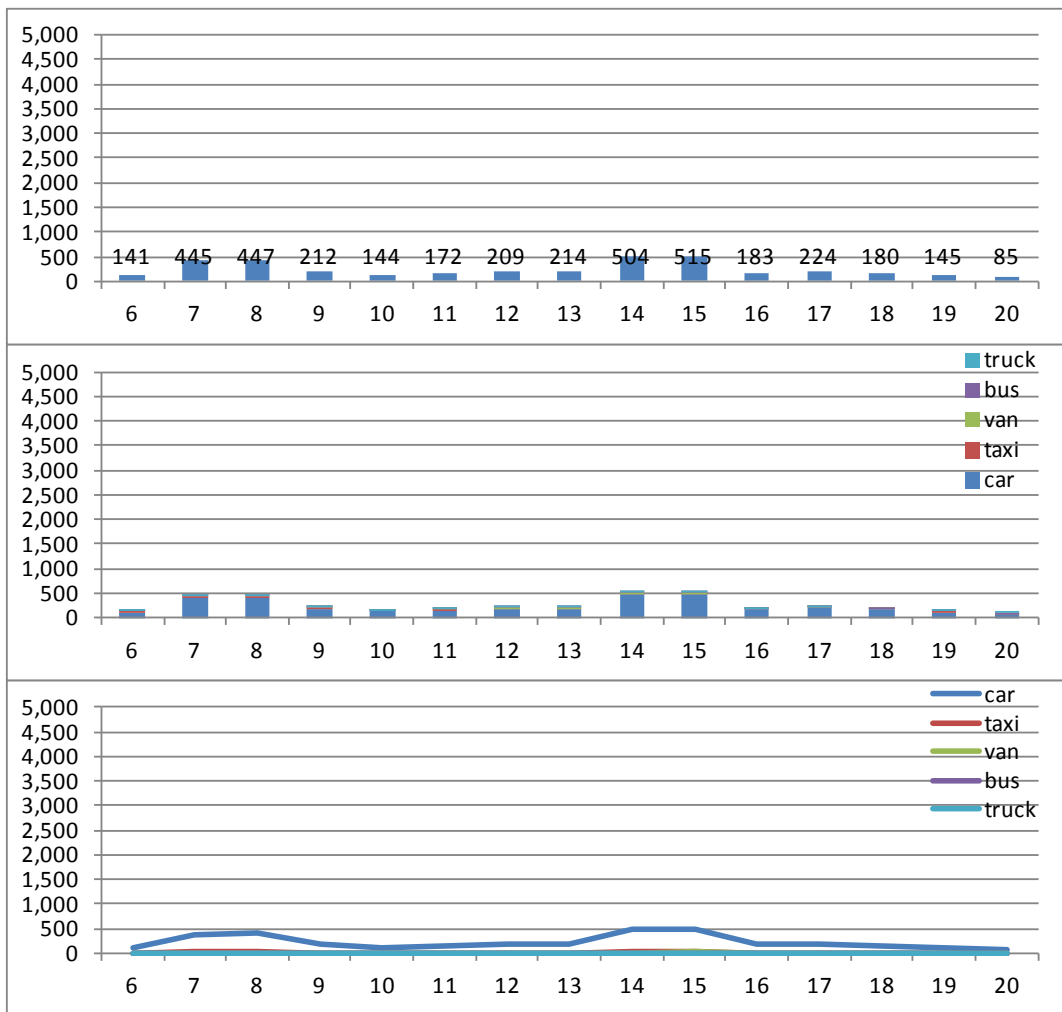


Flow 8.4



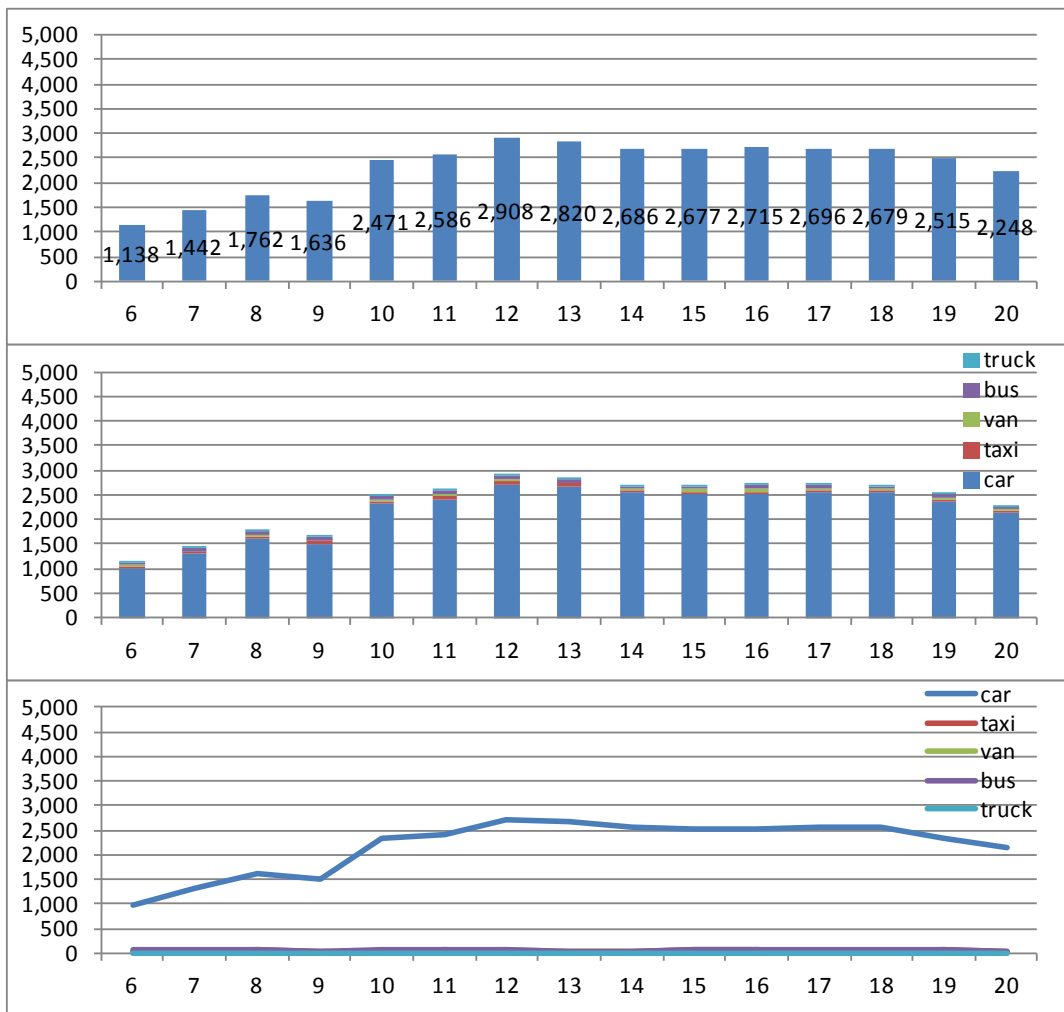


Flow 8.5



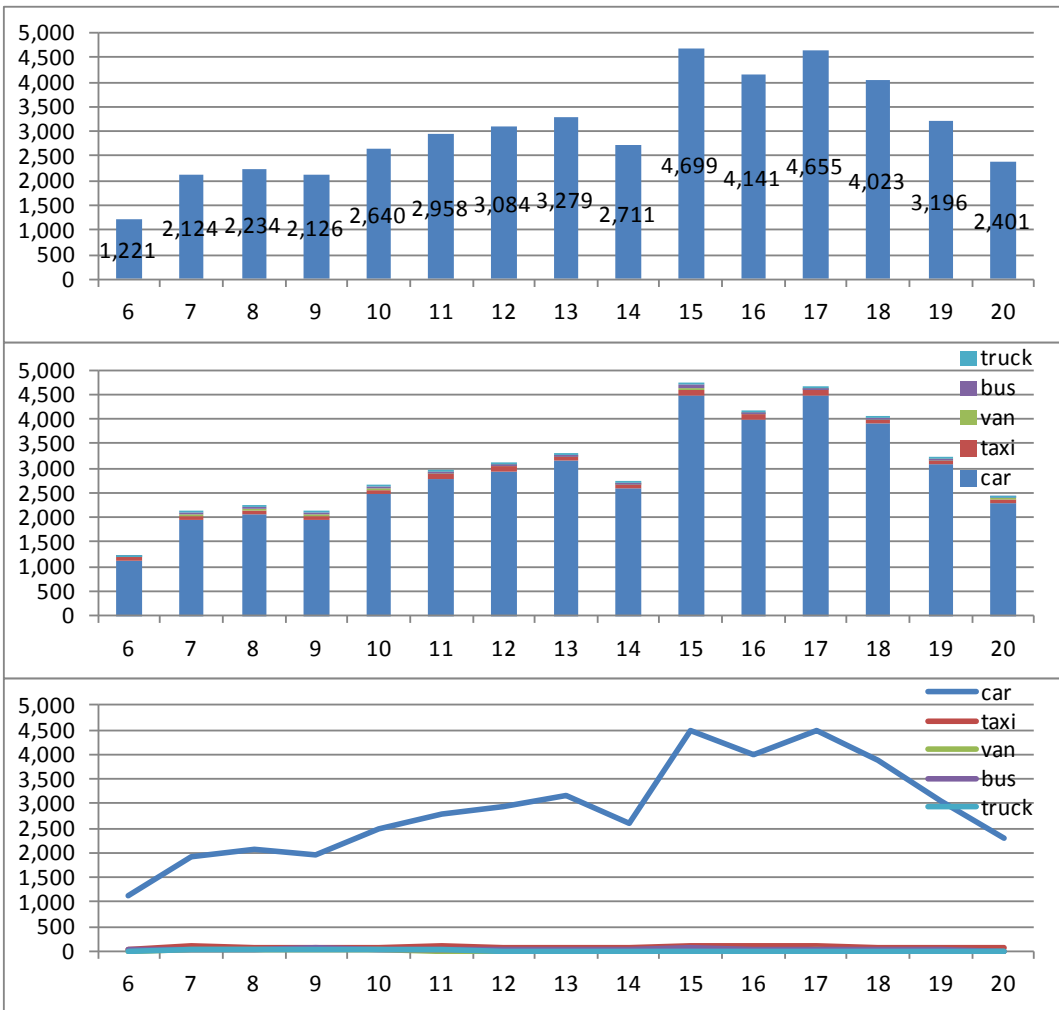


Flow 8.6





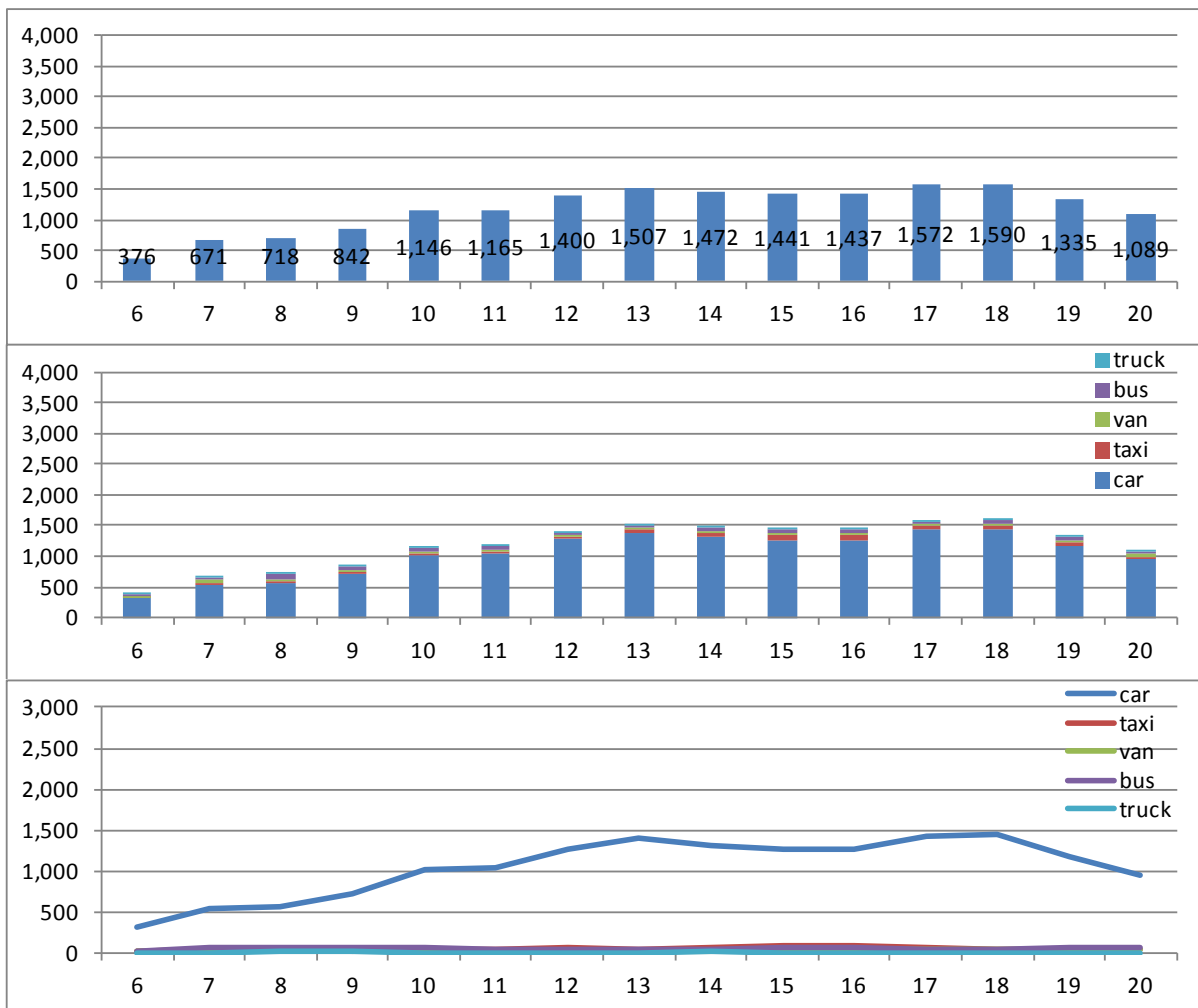
Flow 8.7



iii) Av. das Americas - Av. Ayrton Senna (North, East, West)

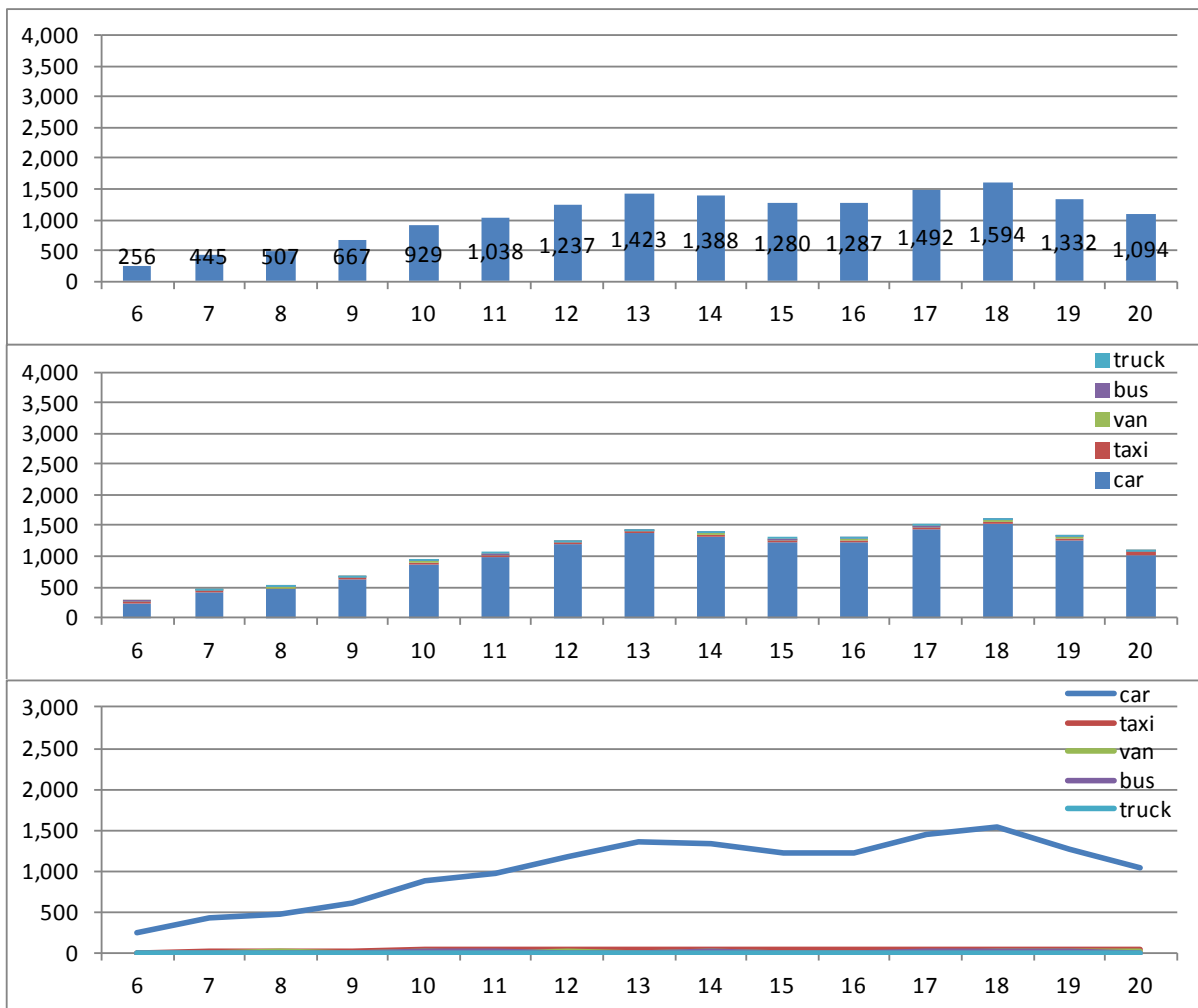


Flow 9.1



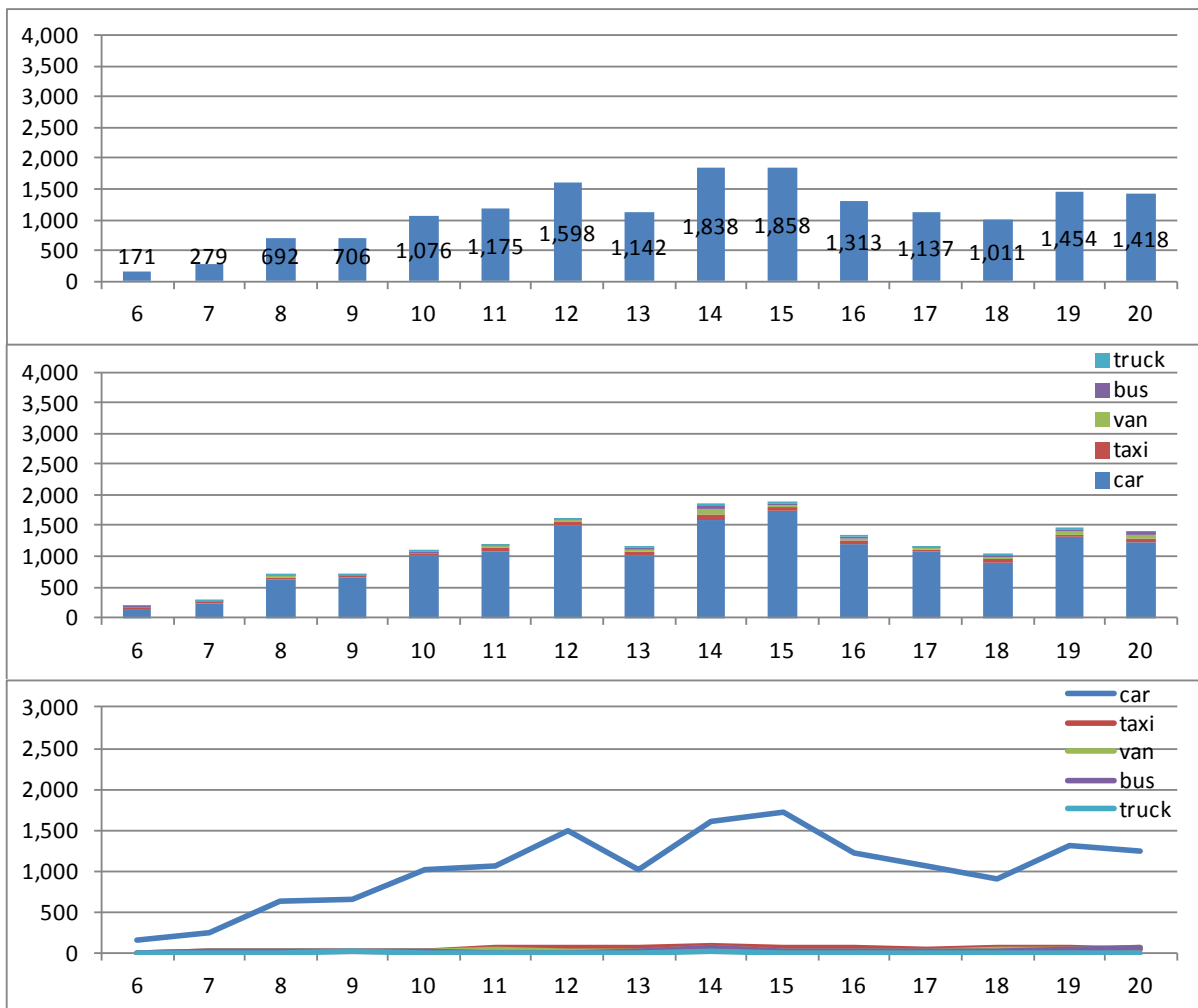


Flow 9.2



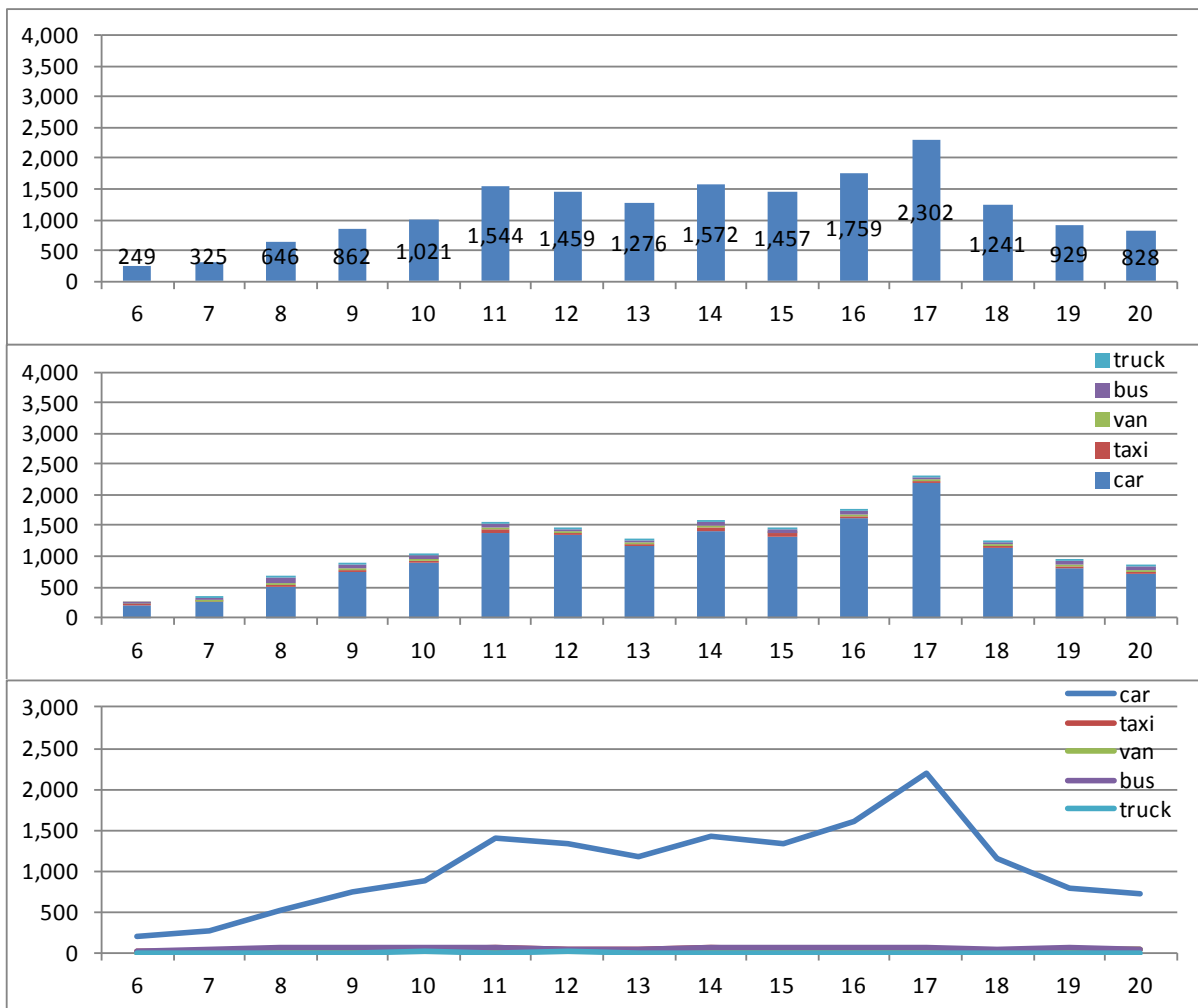


Flow 9.3



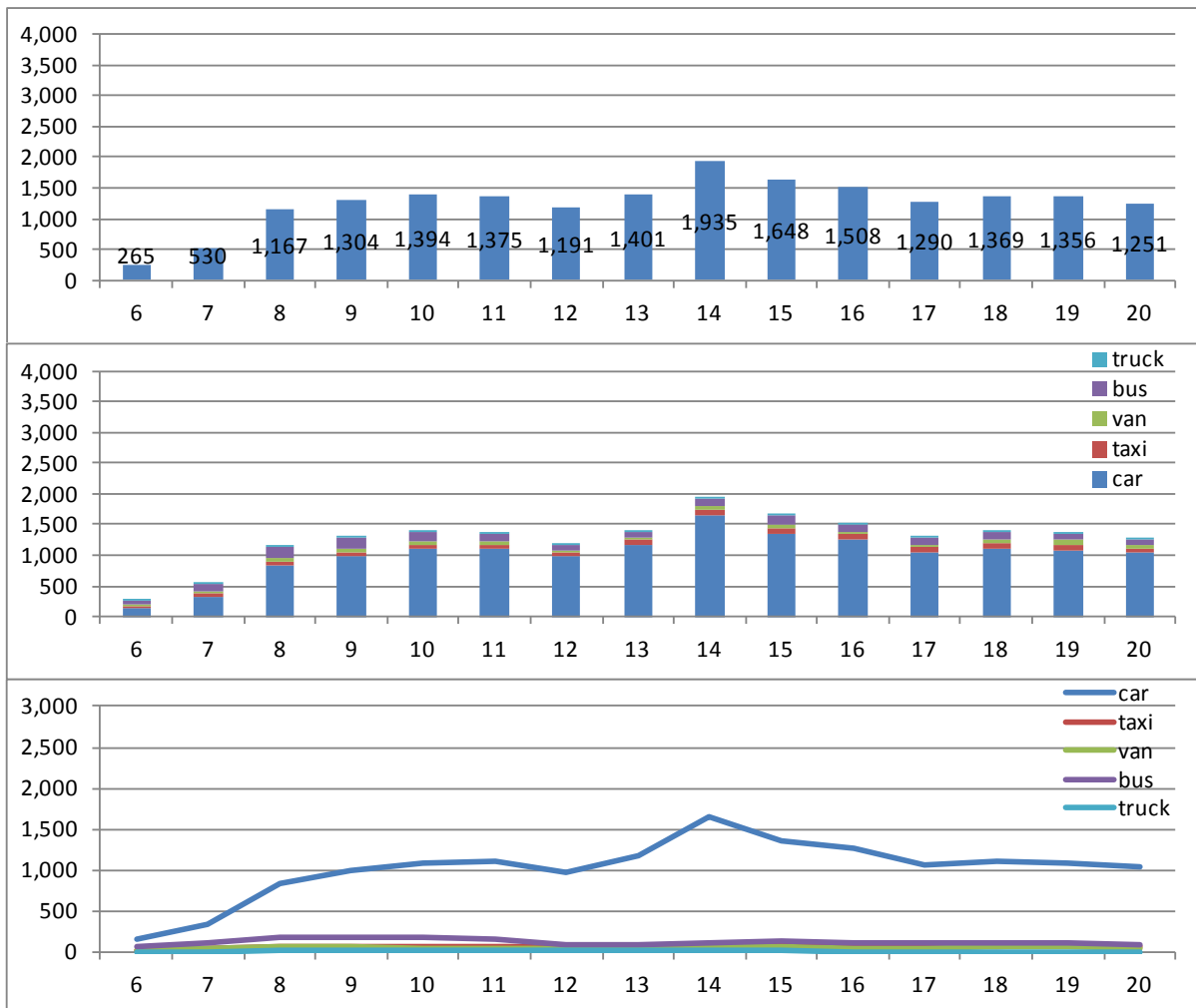


Flow 9.4



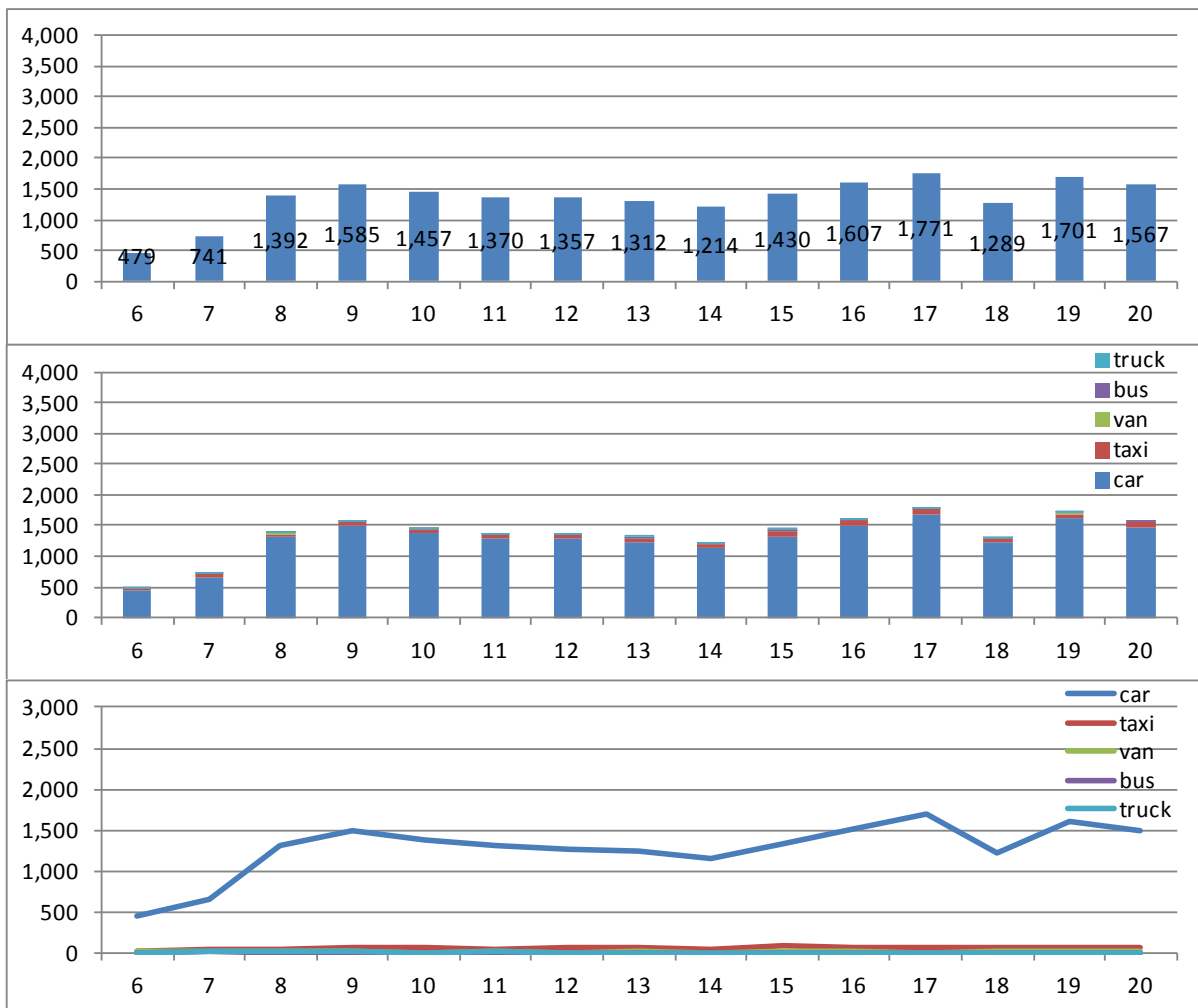


Flow 9.5



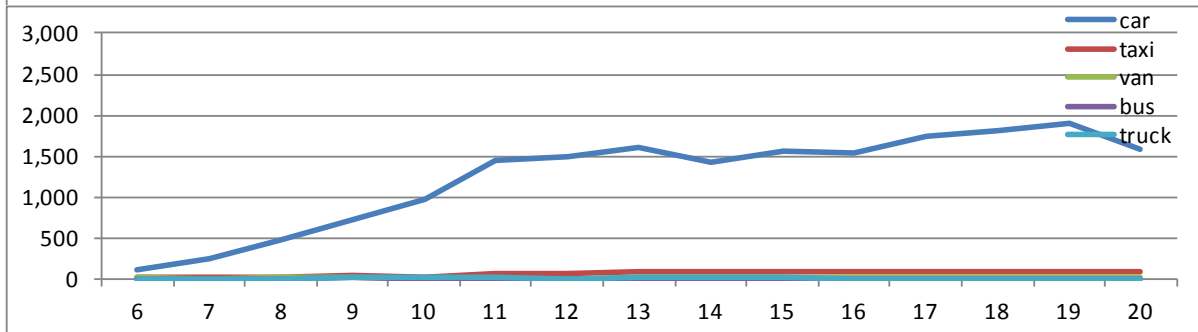
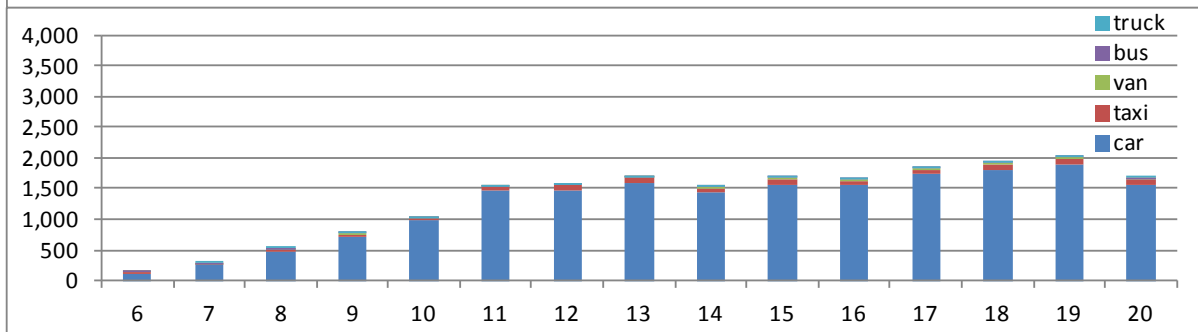
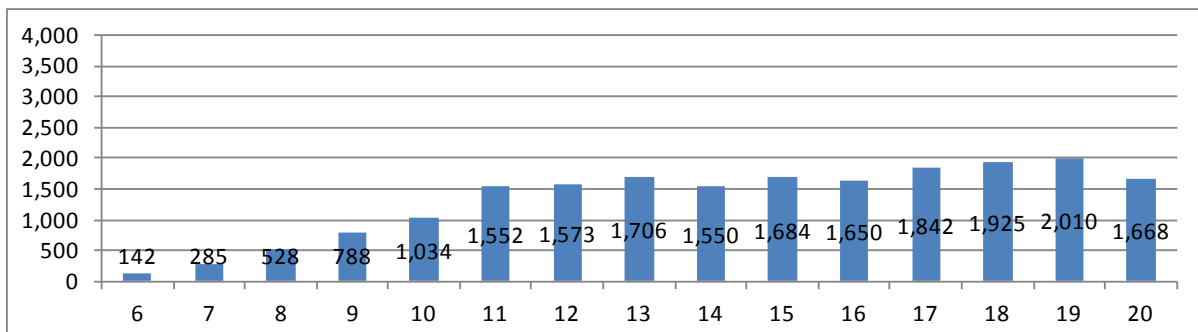


Flow 9.6



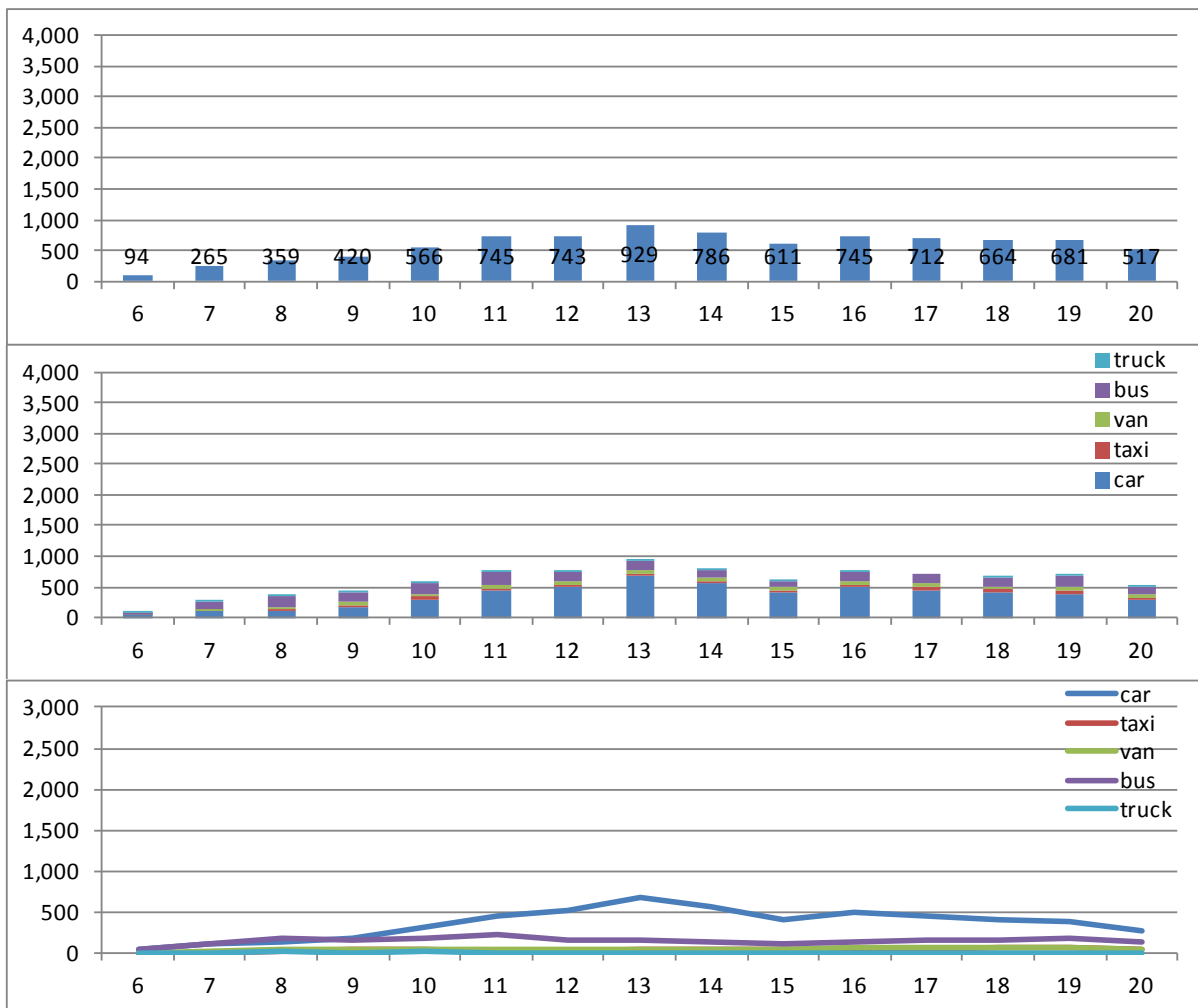


Flow 9.7



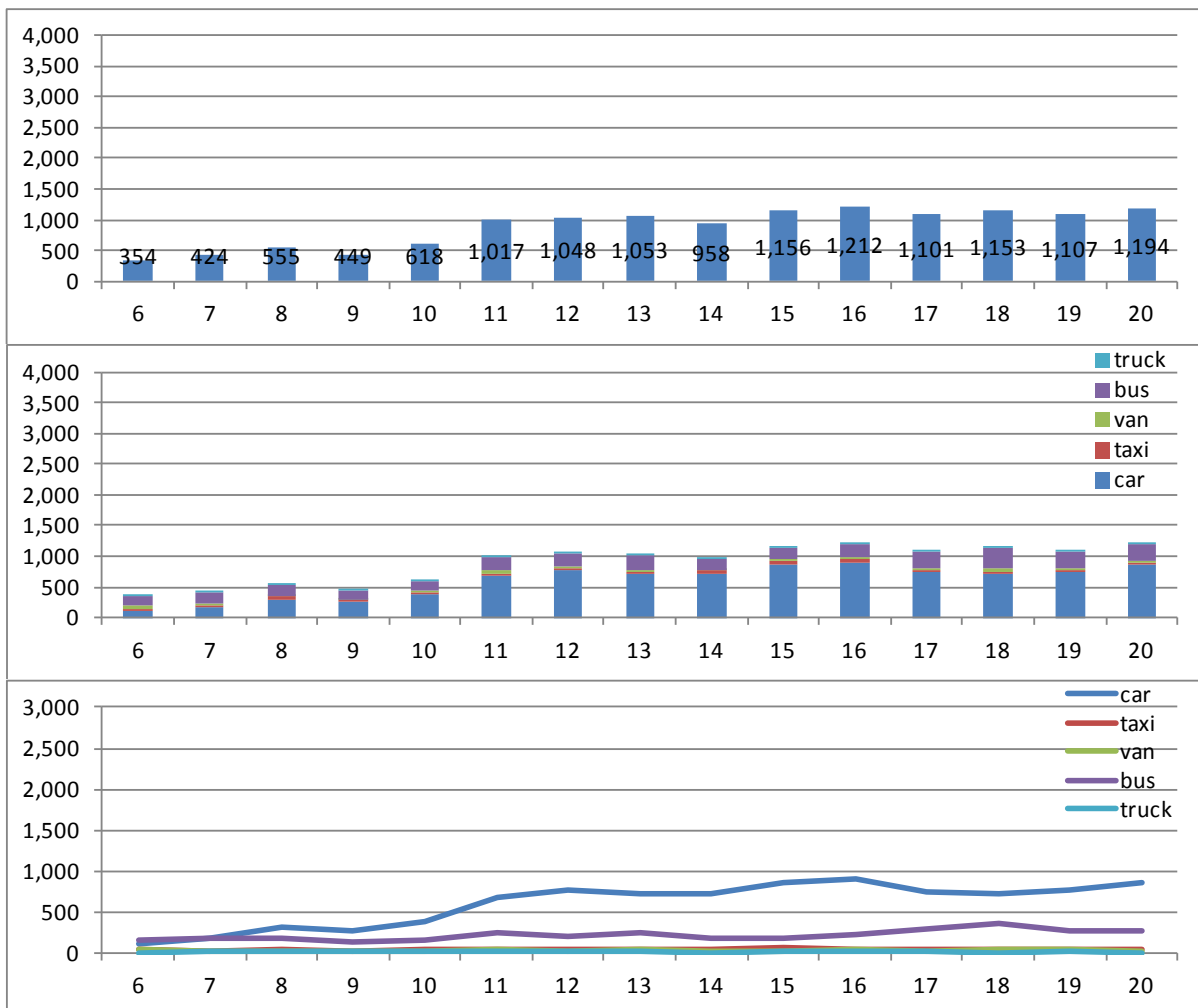


Flow 9.8



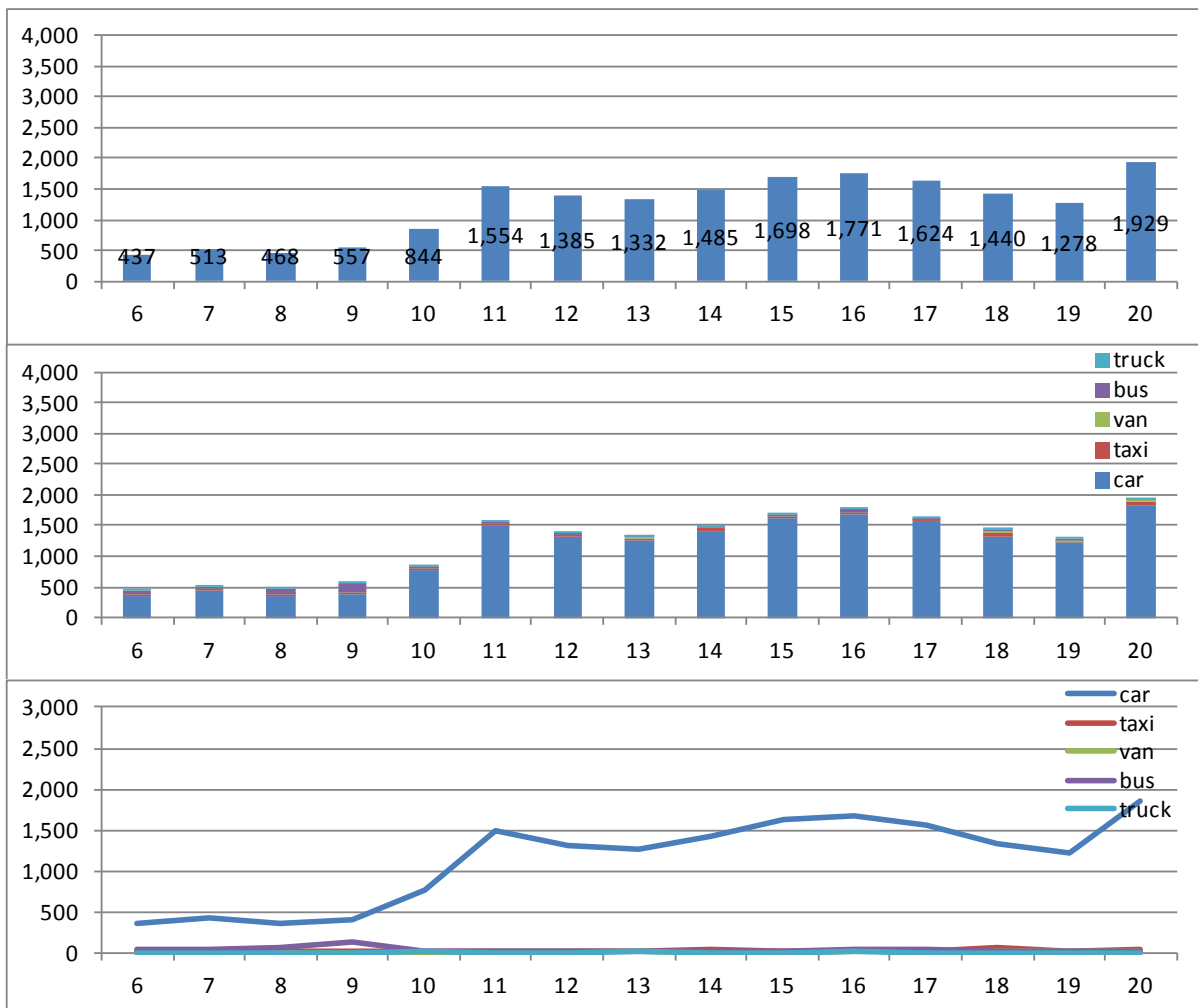


Flow 9.9



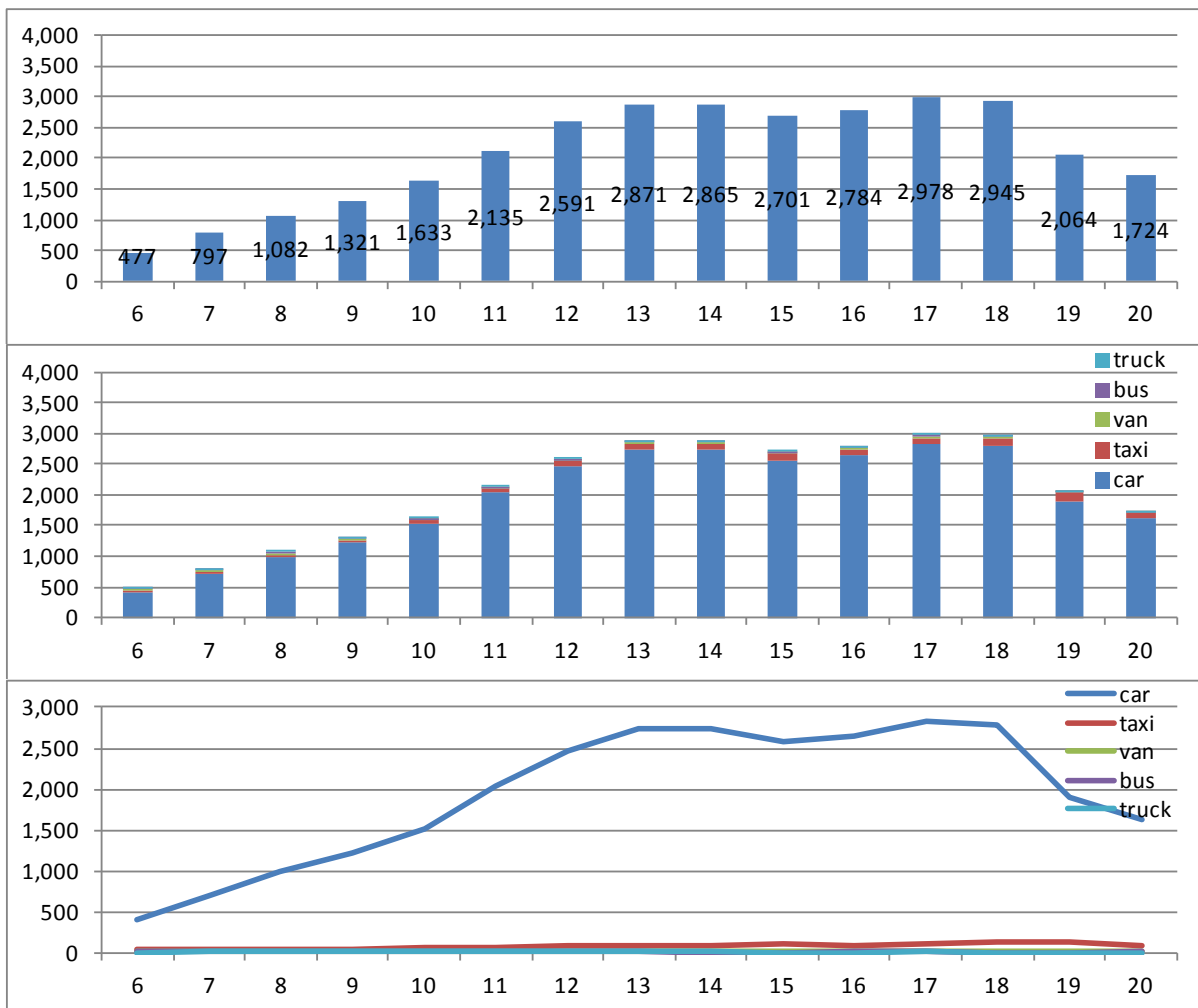


Flow 9.10



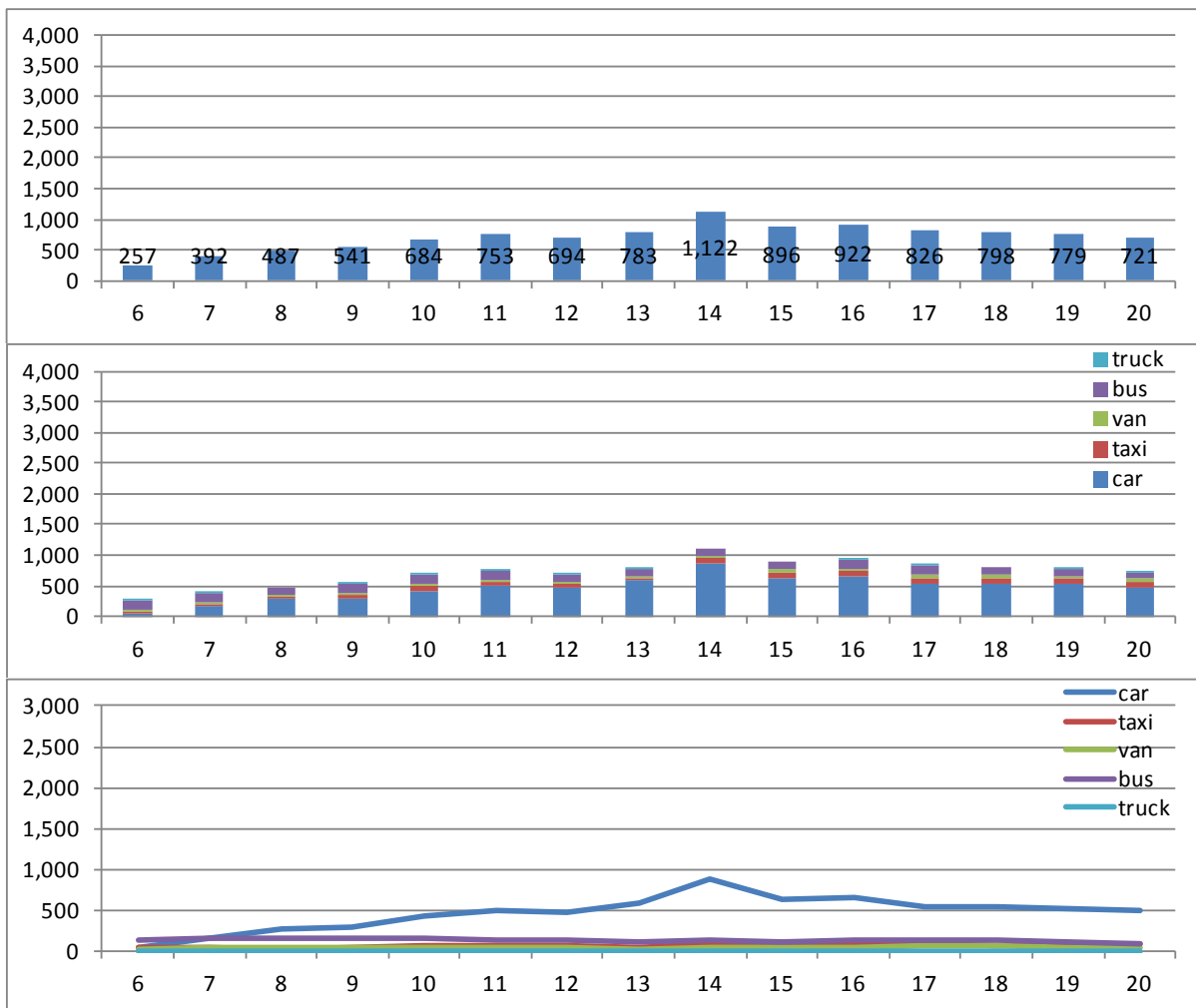


Flow 9.11





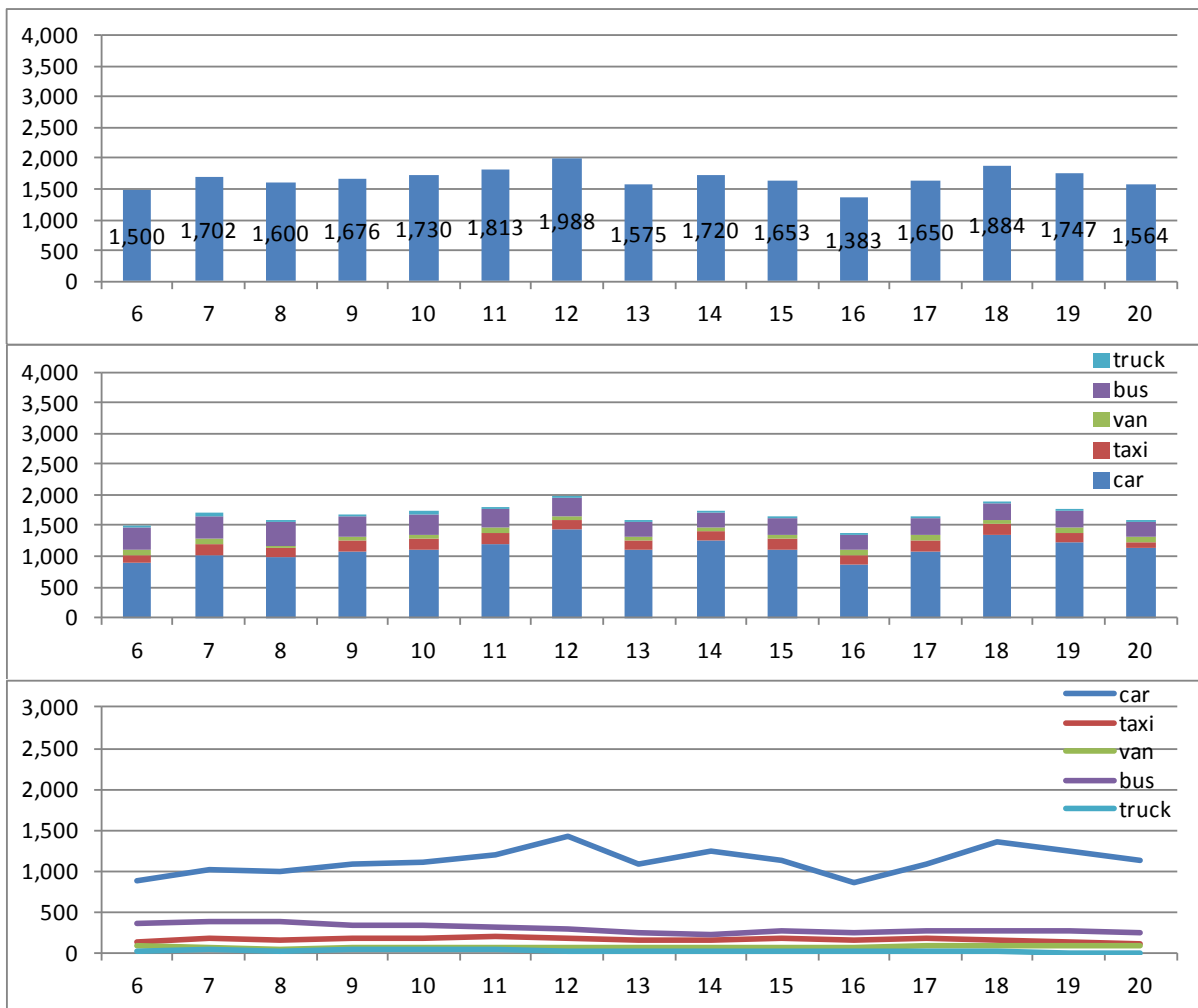
Flow 9.12



iv) Av. Brasil

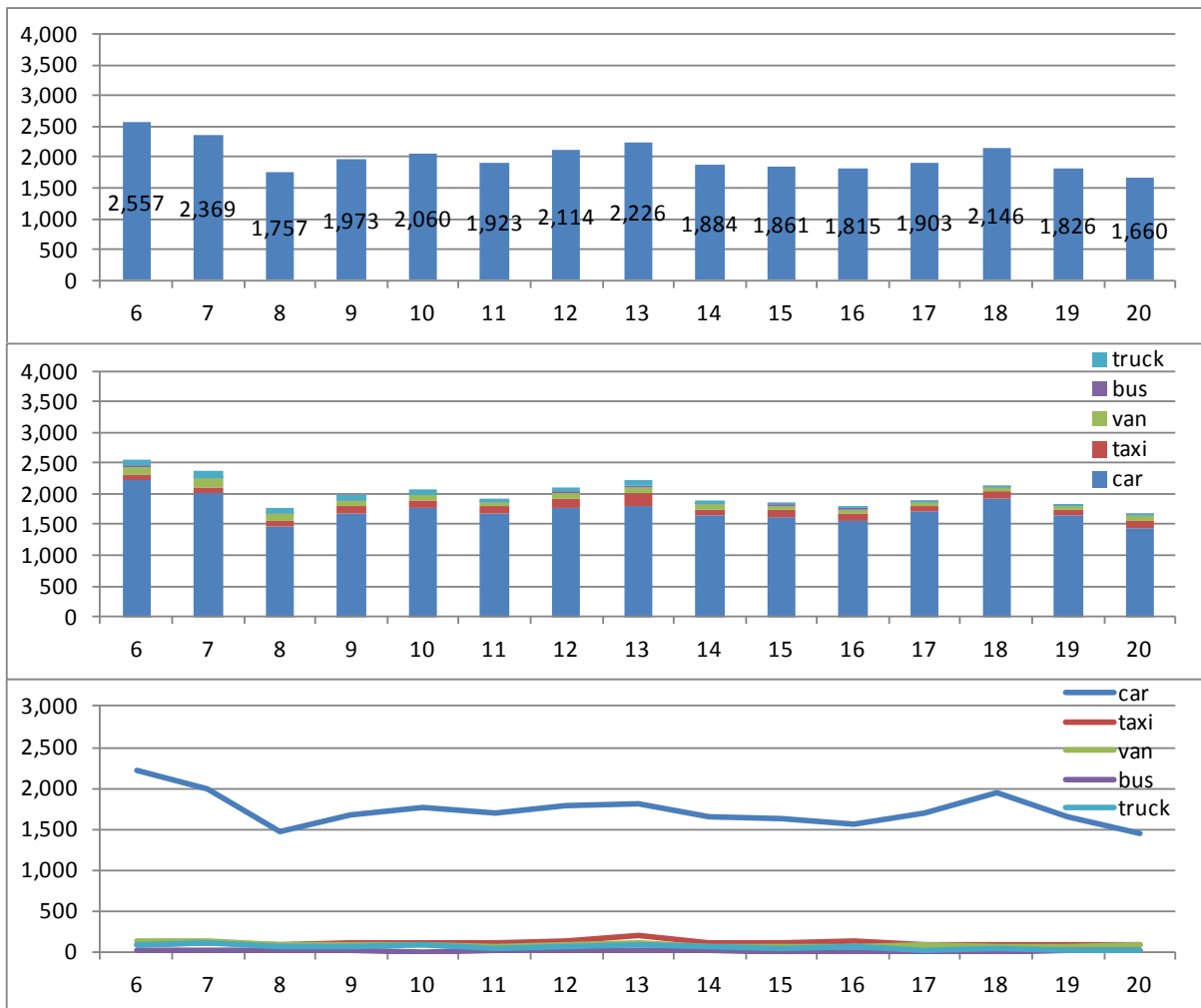


Flow 10.1



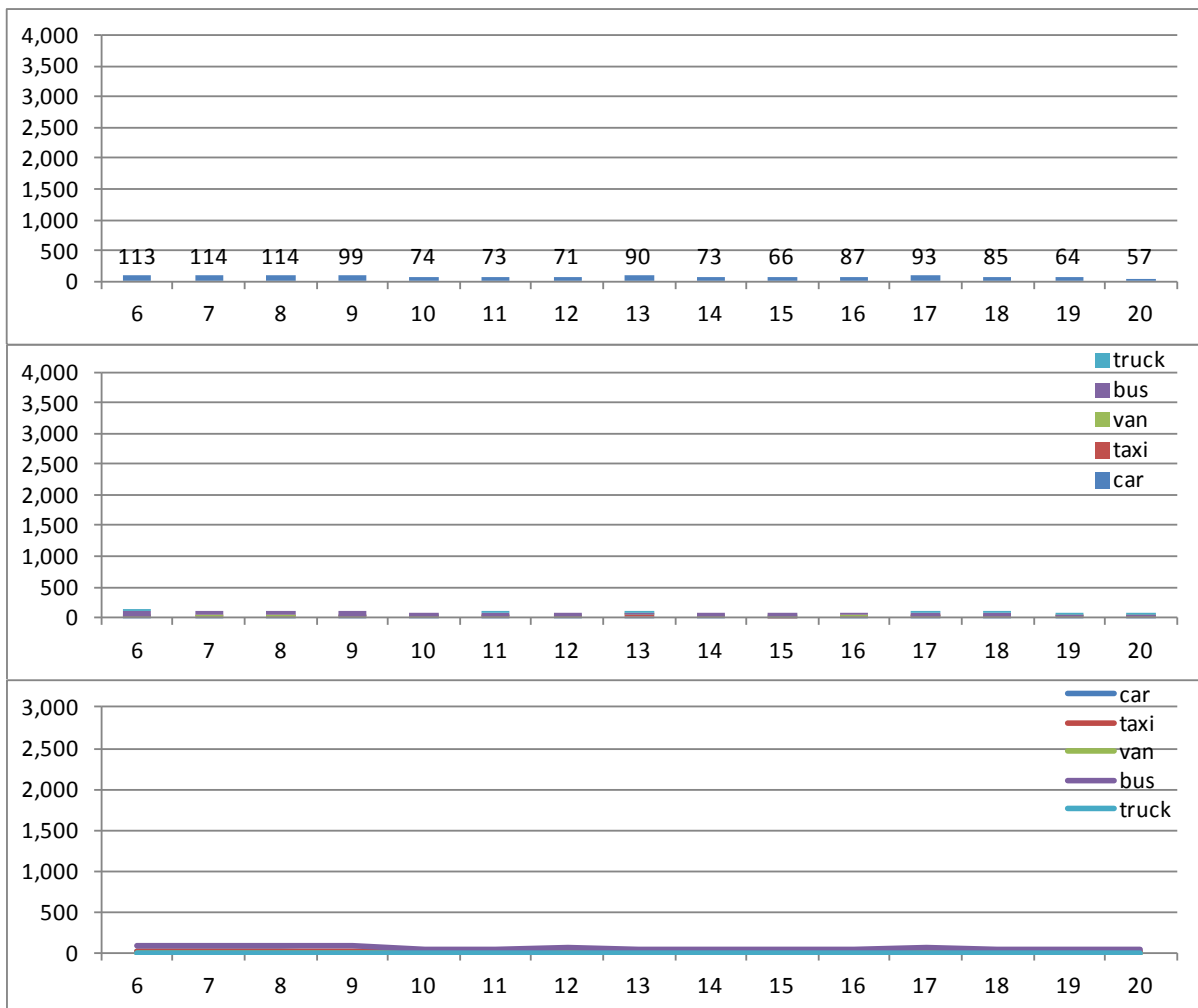


Flow 10.2



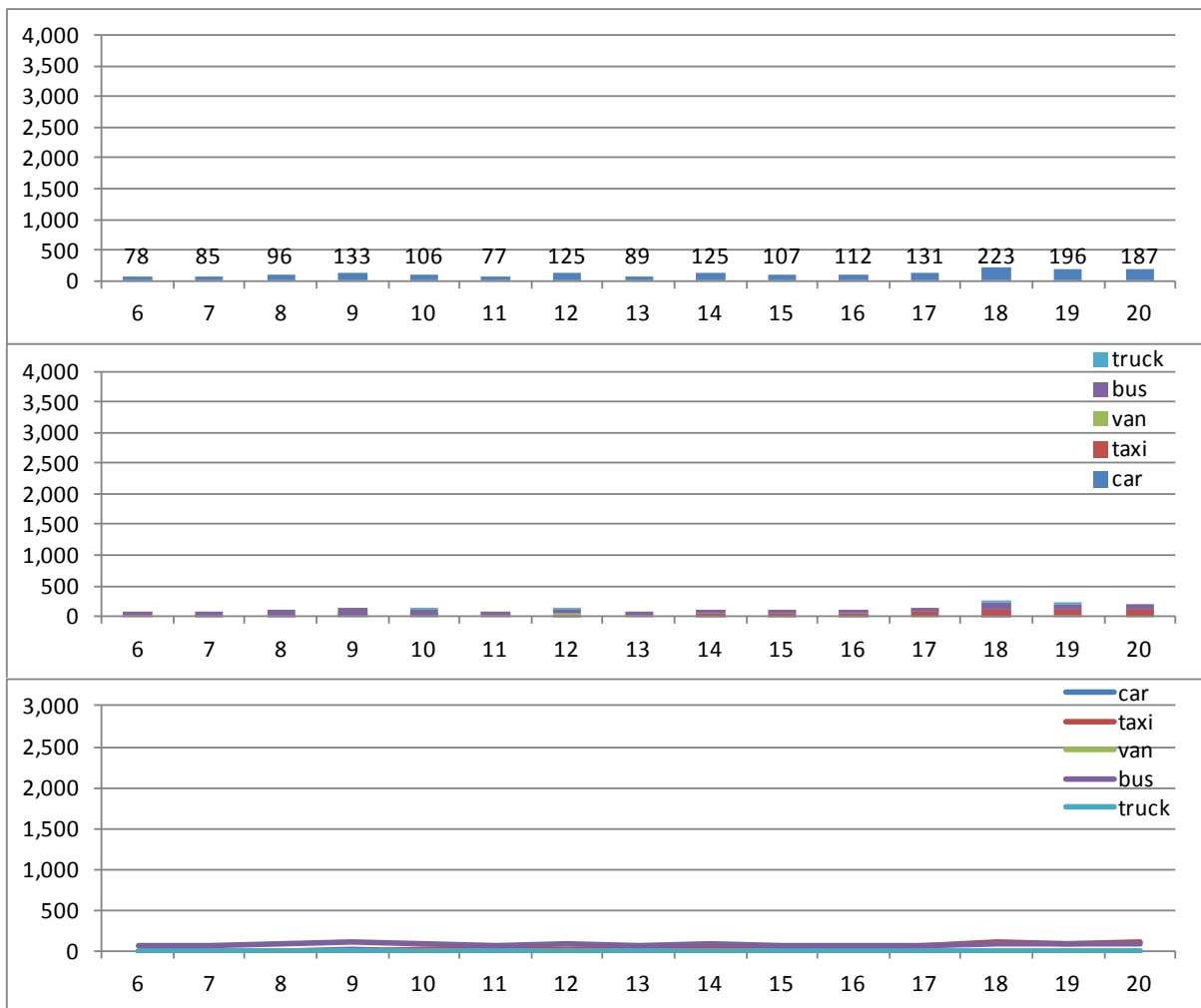


Flow 10.3



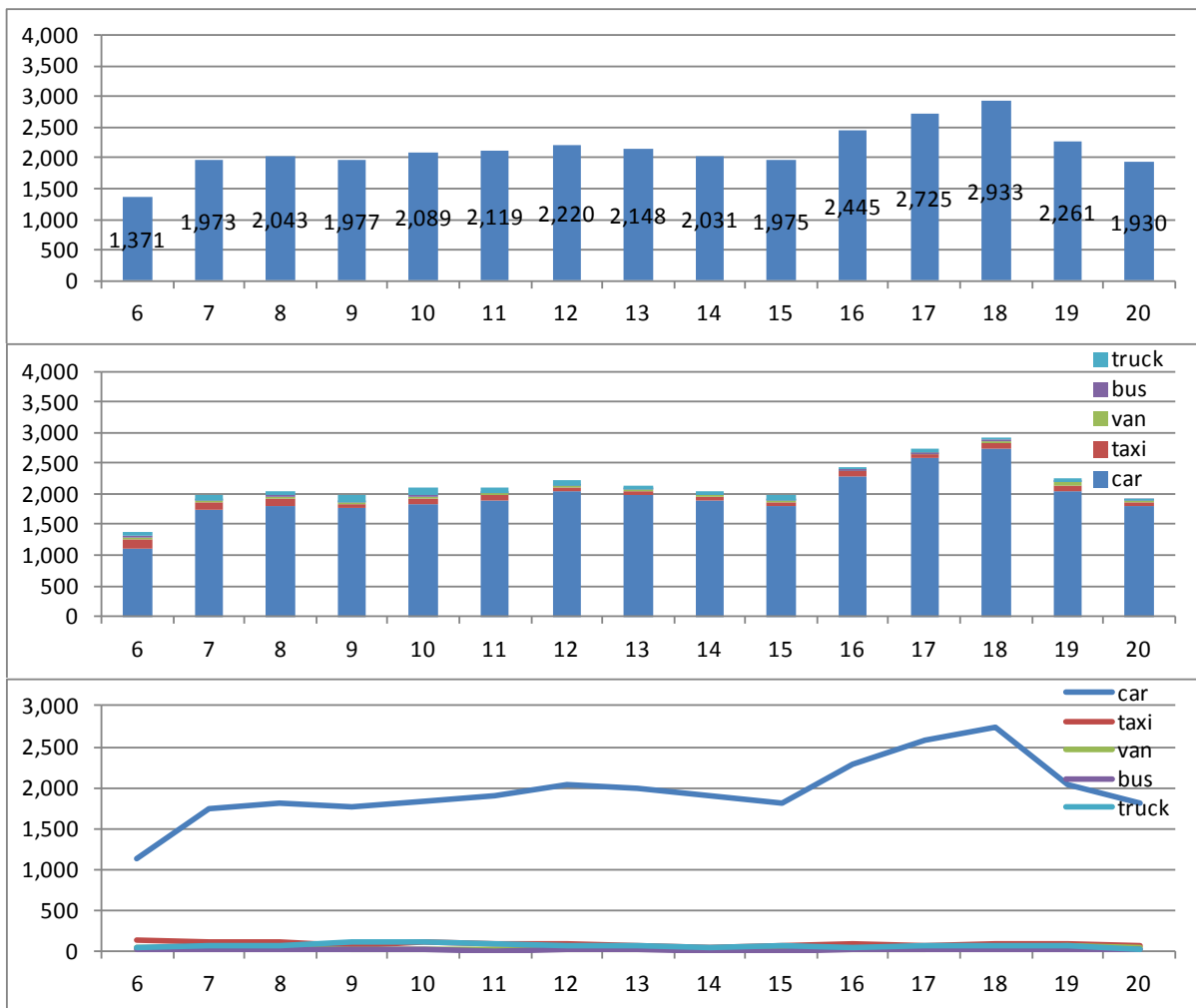


Flow 10.4



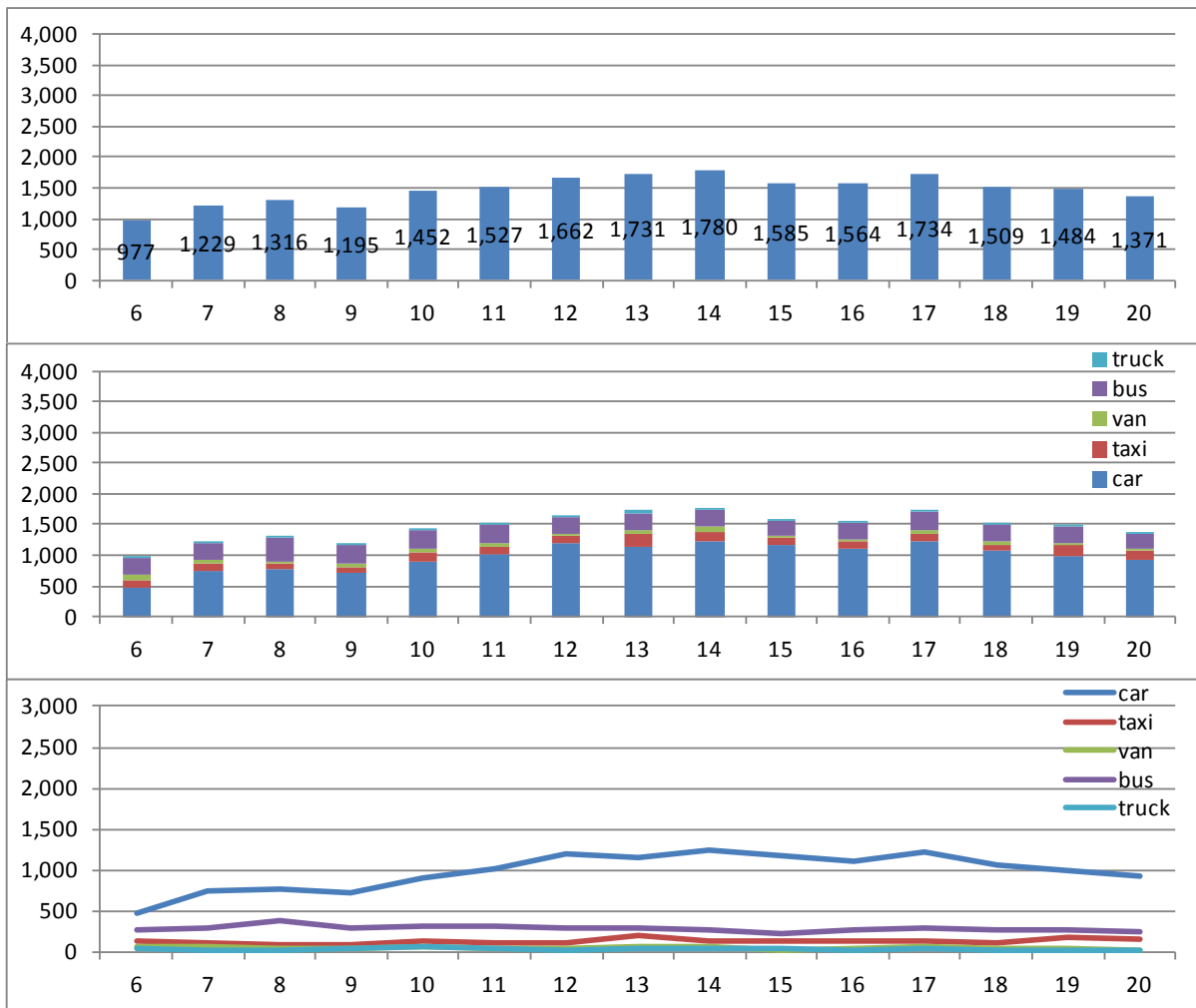


Flow 10.5



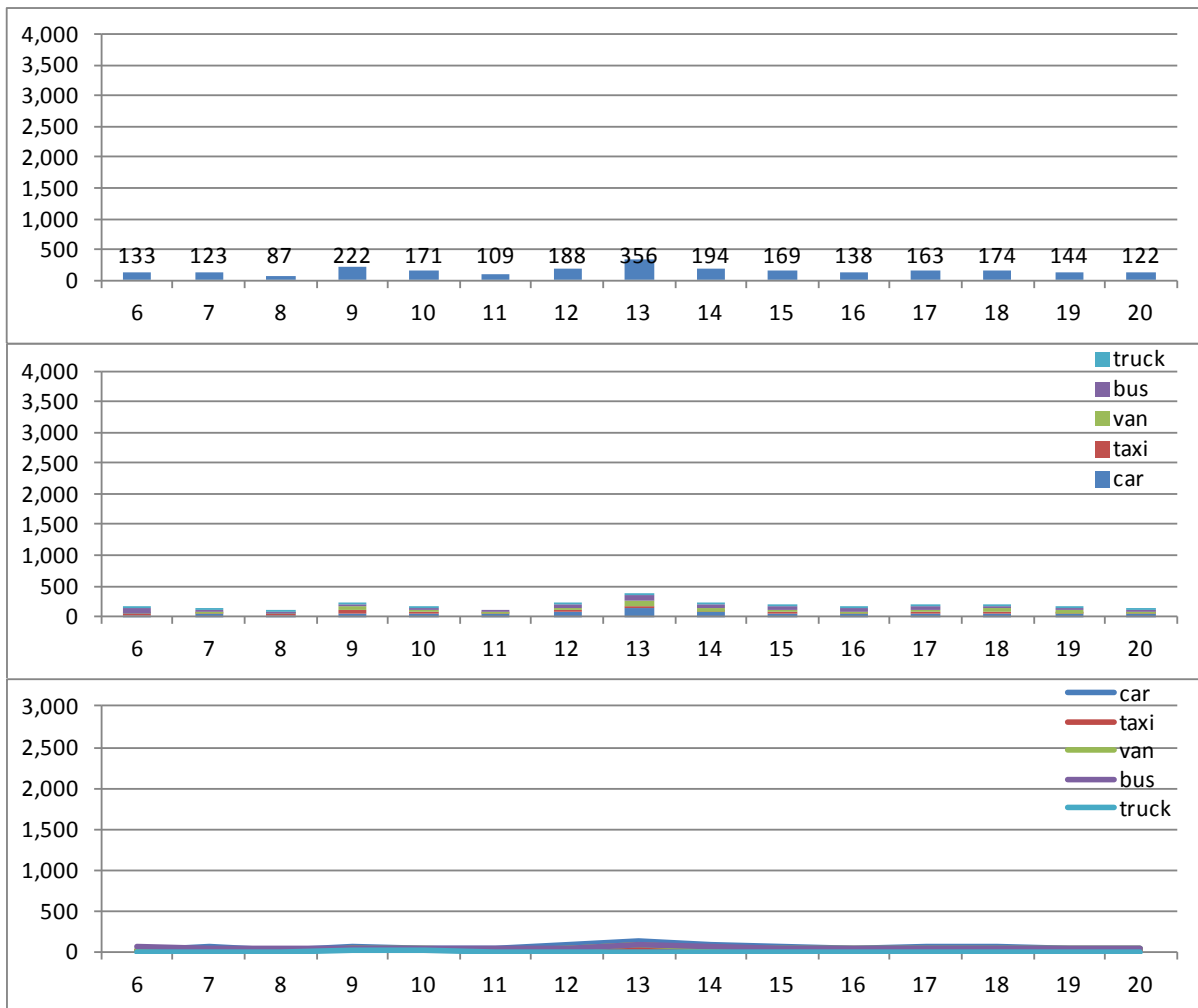


Flow 10.6





Flow 10.7

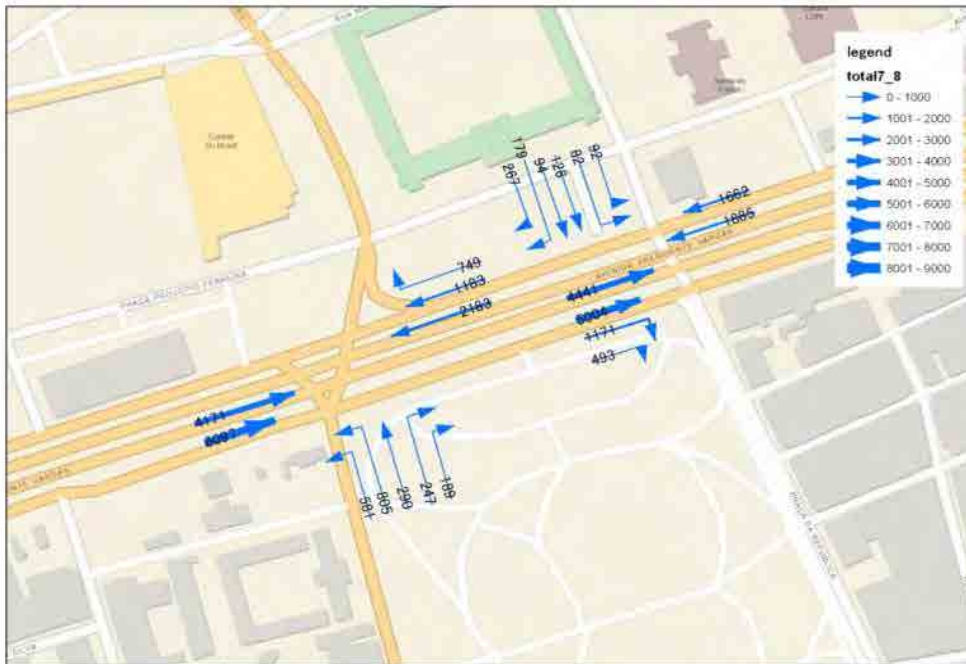


3) Tipo de Movimento

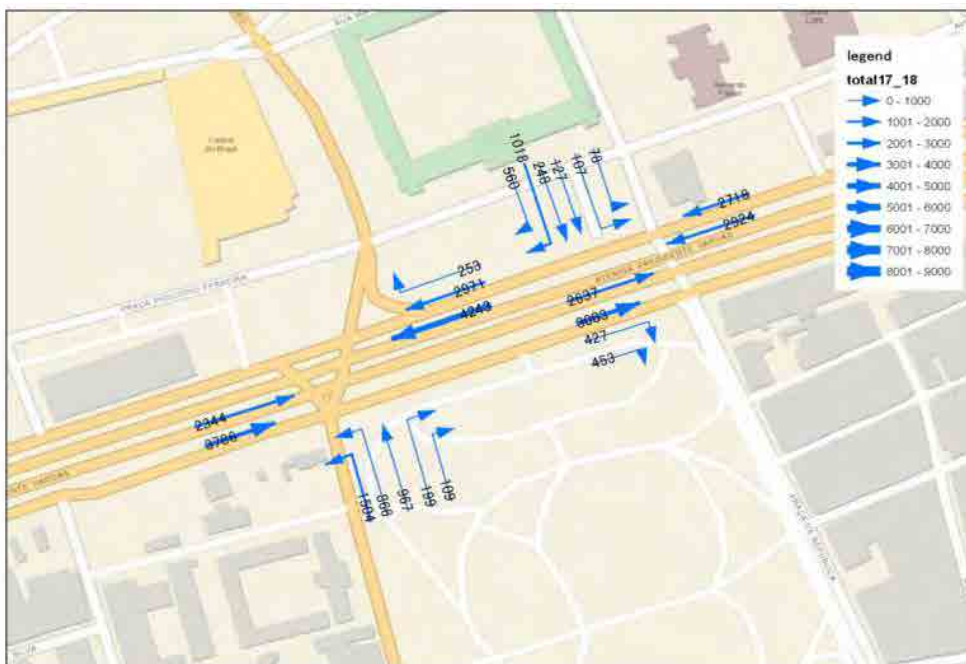
i) **Central**

O fluxo de tráfego ao longo da Av. Presidente Vargas e em torno da Estação Central é mostrado na figura abaixo. No pico pela manhã, o tráfego dominante é no sentido bairro-centro e o pico à tarde no sentido centro-bairro. A tendência de direção do tráfego é mais clara no pico pela manhã.

[Durante a Semana 7h - 9h]



[Durante a Semana 17h - 19h]



Fonte: Equipe de Estudo JICA

ii) **Rio Branco**

O fluxo de tráfego no cruzamento da Av. Presidente Vargas com a Av. Rio Branco e o cruzamento da Av. Presidente Vargas com a R. Primeiro de Março é mostrado nas figuras abaixo. No pico pela manhã o tráfego leste e sul são dominantes. Por outro lado, no pico à tarde, a tendência de direção do trânsito não é observada.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]

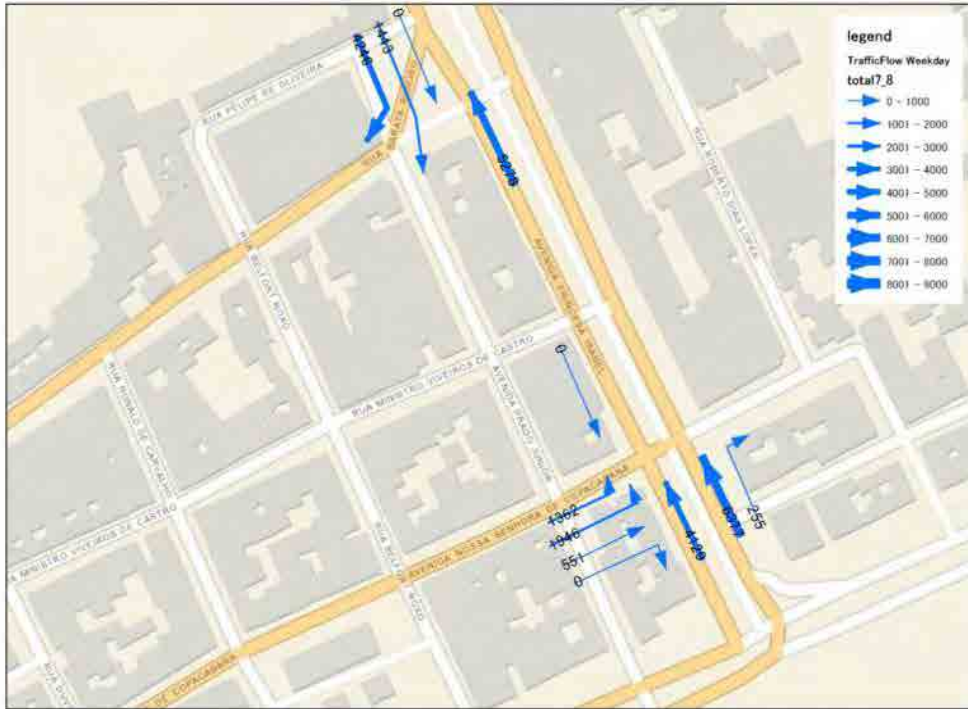


Fonte: Equipe de Estudo JICA

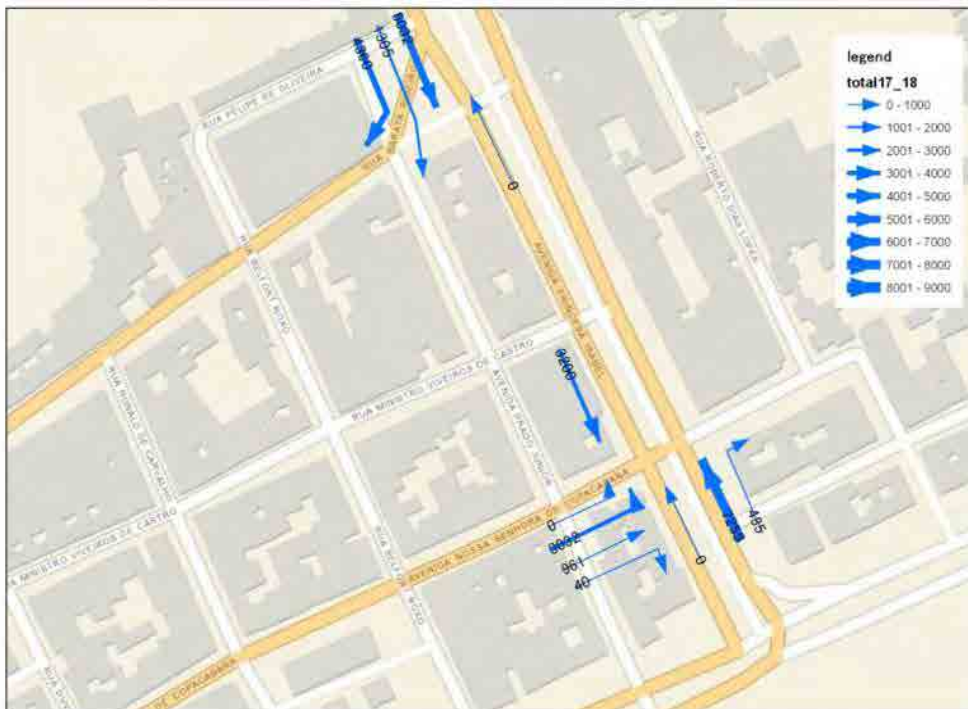
iii) Copacabana

O fluxo de tráfego na interseção ao longo da Av. Princesa Isabel e em áreas de Copacabana é mostrado nas figuras abaixo. No pico pela manhã as viagens no sentido norte são dominantes, razão pela qual o recurso de pistas reversíveis foi utilizado ao longo desta via.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

iv) Junction (Av. Pres. Vargas X Av. Francisco Bicalho)

O fluxo de tráfego no cruzamento entre a Av. Pres. Vargas e Av. Francisco Bicalho é mostrado nas figuras abaixo. Não é observada uma clara tendência no movimento do tráfego, o que significa que há tráfego pesado em todas as direções.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

v) **Junction (Linha Vermelha X Estrada Galeao)**

O fluxo de tráfego no cruzamento da Linha Vermelha e Estrada do Galeão é apresentado nas figuras abaixo. Não é observada uma clara tendência de movimento do tráfego, o que significa que há tráfego pesado em todas as direções.

[Durante a Semana 7h – 9h]



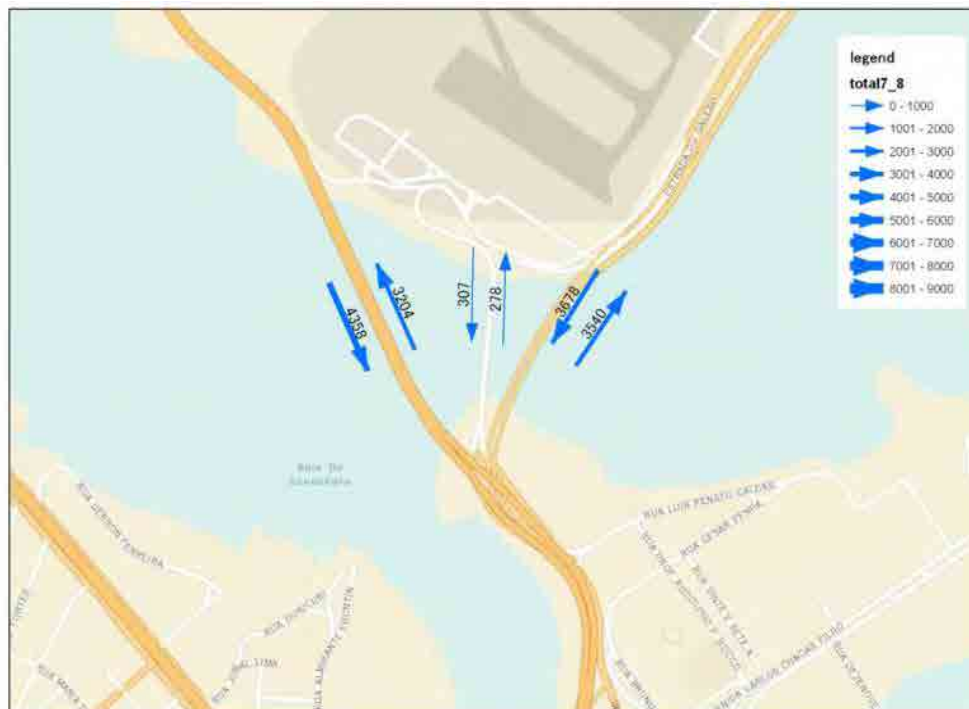
[Durante a Semana 17h – 19h]



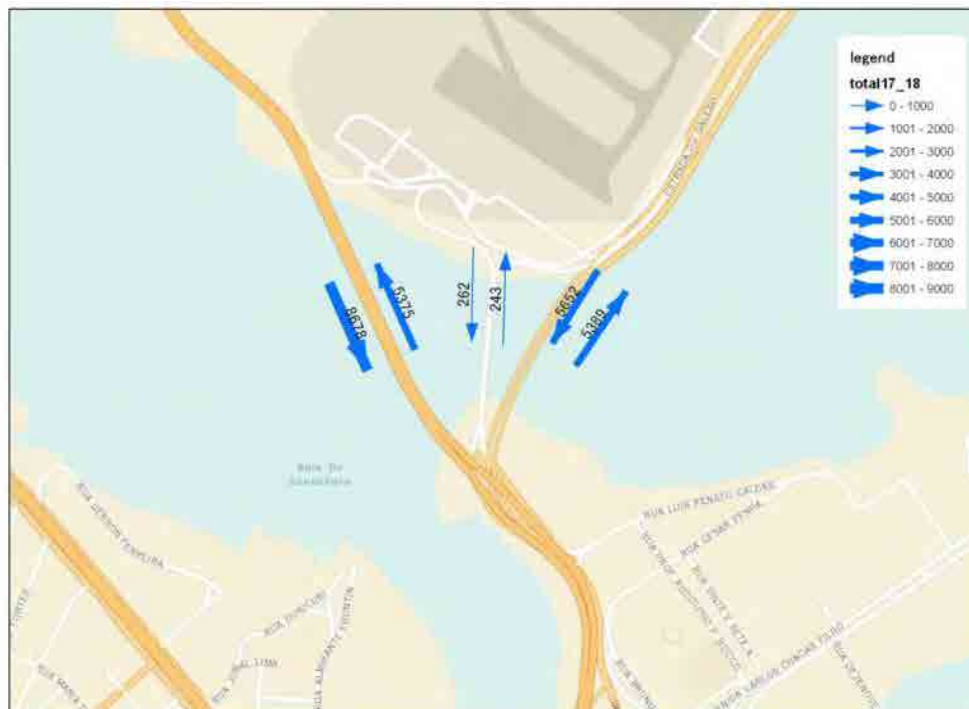
Fonte: Equipe de Estudo JICA

As características do movimento de tráfego durante o final de semana é quase o mesmo durante os dias de semana.

[Final de Semana 7h – 9h]



[Final de Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

vi) **Junction (Av. das Americas X Av. Ayrton Senna)**

O fluxo de tráfego no cruzamento da Avenida das Américas com Avenida Ayrton Senna é mostrado nas figuras abaixo. No pico pela manhã, o tráfego no sentido leste é dominante. Por outro lado, o tráfego no sentido oeste é dominante durante a noite.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

Não foram observadas tendências claras de direção do tráfego durante os finais de semana.

[Final de Semana 7h – 9h]



[Final de Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

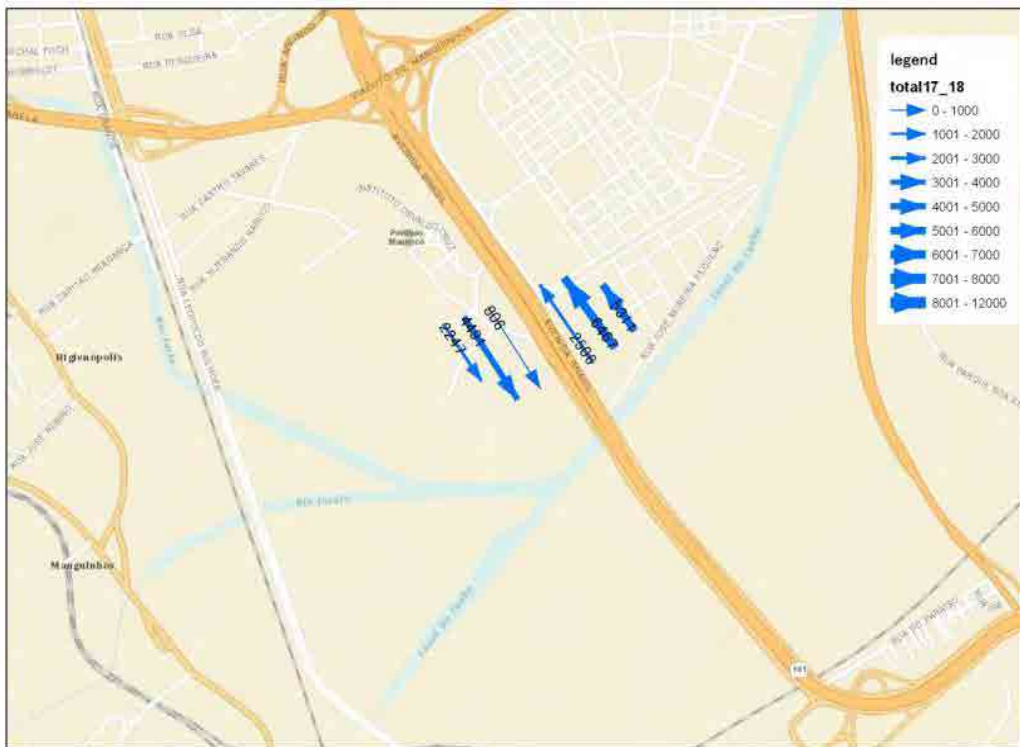
vii) Av. Brasil (Manguinhos)

O fluxo de tráfego na seção transversal ao longo da Avenida Brasil é mostrado nas figuras abaixo. Viagens no sentido sul no pico pela manhã e no sentido norte à noite são dominantes.

[Durante a Semana 7h – 9h]



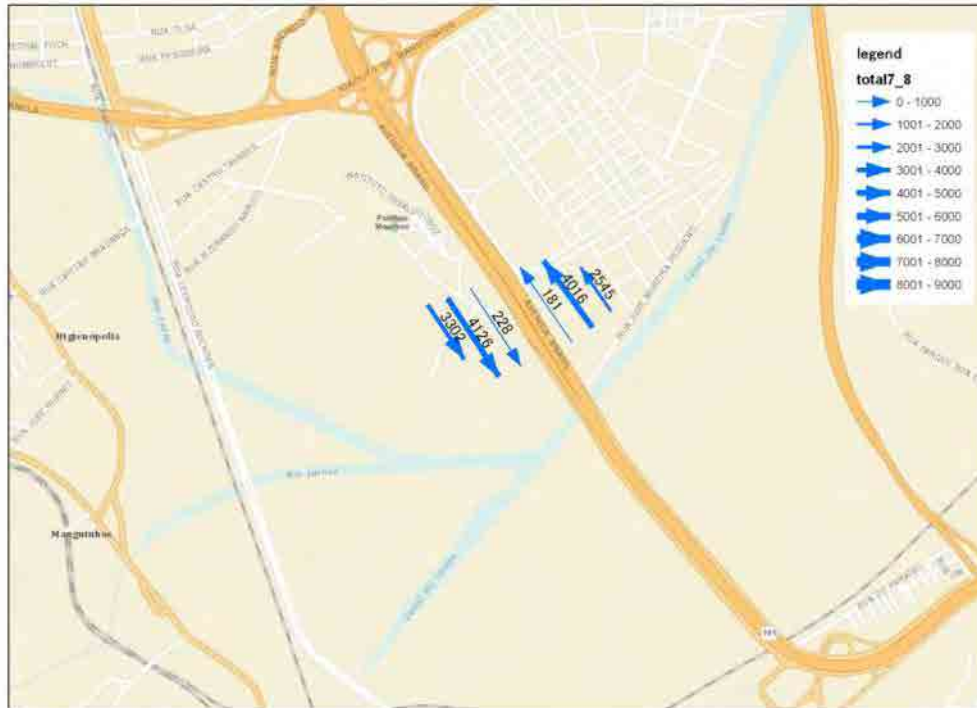
[Durante a Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

No fim de semana, não foram observadas tendências claras de direção do tráfego.

[Final de Semana 7h – 9h]



[Final de Semana 17h – 19h]

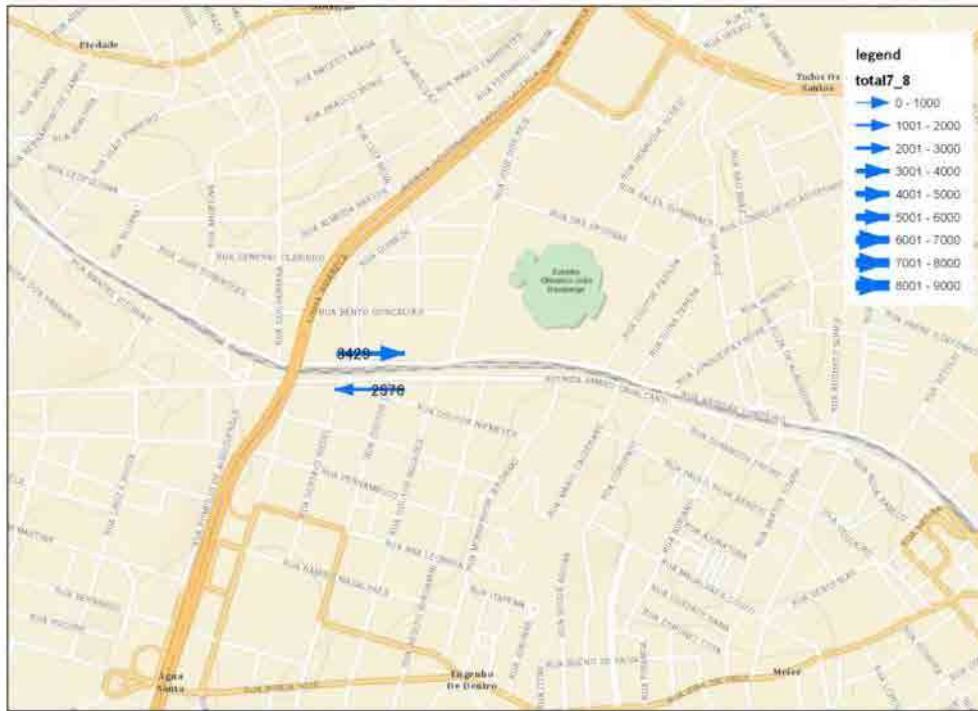


Fonte: Equipe de Estudo JICA

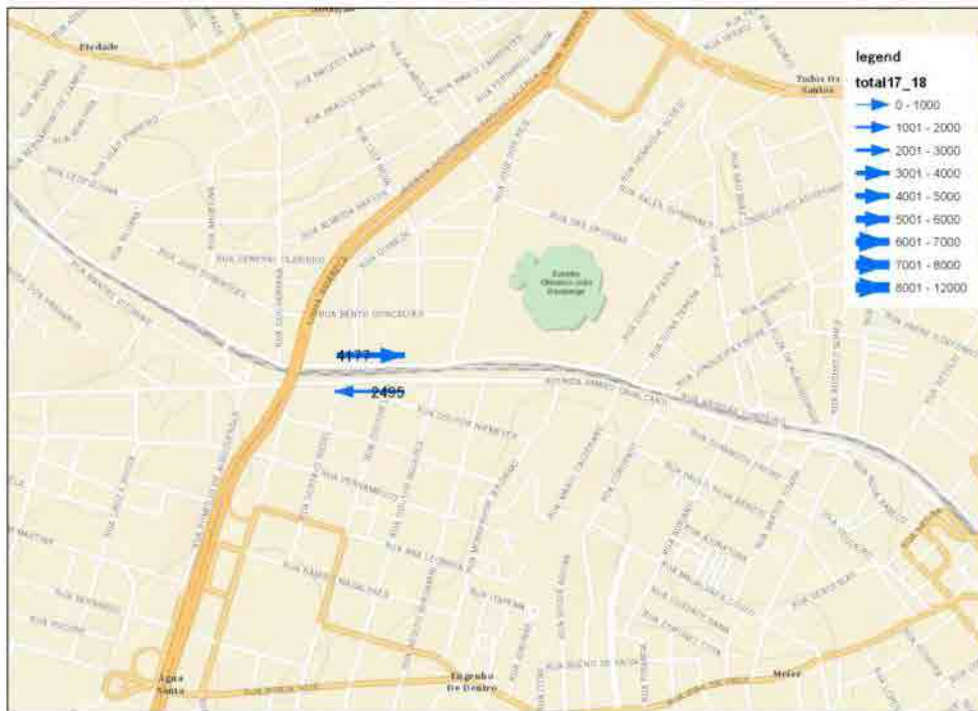
viii) Av. Amaro Cavalcanti and Rua Goiás (Engenho de Dentro)

O fluxo de tráfego na seção transversal ao longo da Avenida Amaro Cavalcanti e Rua Goiás é mostrado nas figuras abaixo. O tráfego no sentido Oeste é dominante em ambos os picos pela manhã e à noite.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]

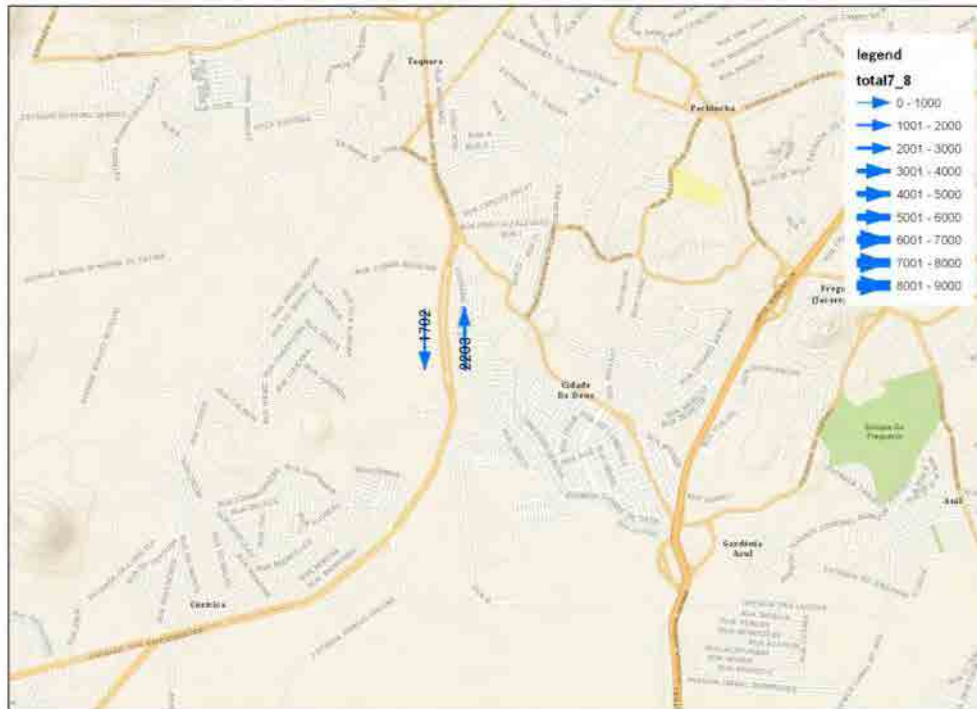


Fonte: Equipe de Estudo JICA

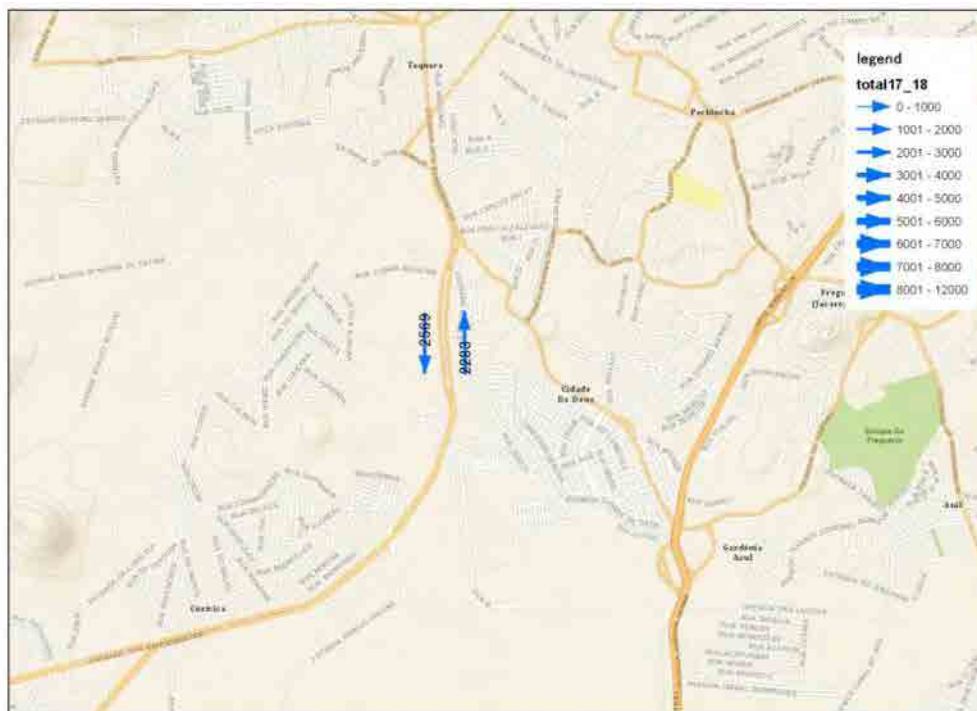
ix) Estrada dos Bandeirantes (Taquara)

O fluxo de tráfego na seção transversal ao longo da Estrada dos Bandeirantes é mostrado nas figuras abaixo. O volume de tráfego no sentido norte - sul é quase o mesmo em ambos os picos pela manhã e à noite.

[Durante a Semana 7h – 9h]



[Durante a Semana 17h – 19h]



Fonte: Equipe de Estudo JICA

Os Dados de Tempo de Viagem

Route	Direction	Start	Goal	Main Road	Distance(km)
1	1-1	Cidade da Musica	Palácio das Exposições	Linha Amarela, Rio-Niteroi	30
	1-2	Palácio das Exposições	Cidade da Musica		31
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28
3	3-1	Av. da Brasil / Rod. Rio-santos	Av. da Brasil / Rod. Pres. Dutra	Av. Brasil	40
	3-2	Av. da Brasil / Rod. Pres. Dutra	Av. da Brasil / Rod. Rio-santos		39
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvador Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvador Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22
7	7-1	Av. Lucio Costa / Av. Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av. Ayrton Senna		22
8	8-1	Around Maracana Stadium	Pte. Nova / Av. Amando Lombardi	Estr. Velha Tijuca	17
	8-2	Pte. Velha / Av. Amando Lombardi	Around Maracana Stadium		17
9	9-1	Av. Geremário Dantas / Ln. Amarela	Around Maracana Stadium	Av. Menezes Cortes	15
	9-2	Around Maracana Stadium	Av. Geremário Dantas / Ln. Amarela		15
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31
11	11-1	Av. Ataulfo de Paiva / R. Visc. de Albuquerque	Vevd. da Perimetral / Av. Brasil	Av. Ns. de Copacabana, Av. Gen. Justo	21
	11-2	Vevd. da Perimetral / Av. Brasil	Av. Gen. San Martin / R. Visc. de Albuquerque		20
12	12-1	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Vevd. Eng. Freyssinet, Vevd. Eng. Noronha	15
	12-2	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto		18
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil		13
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

1) Quadro de Horários e Rotas

1-1

Data		Rota N°.	1-1
Nome do Condutor		GPS N°.	
Rota			

“Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário de Início	Observações	INICIO KMH	FINAL KMH	TOTAL KMH
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:00 “Volta”					

Data		Rota N°.	1-2
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário de Início	Observações	Início km	Final km	Total km
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:00 “Volta”					

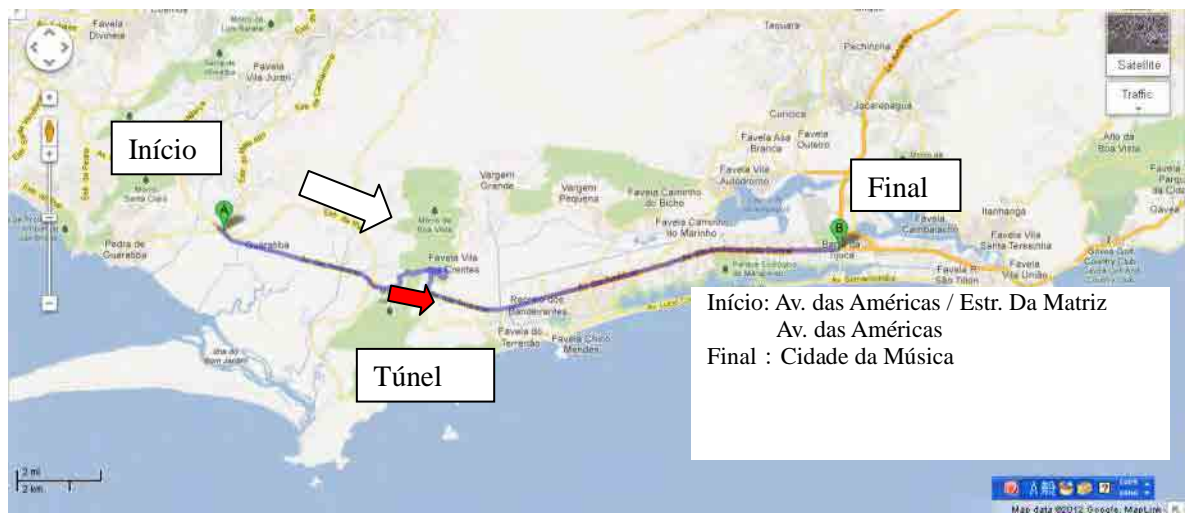
Data		Rota N°.	2-1
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



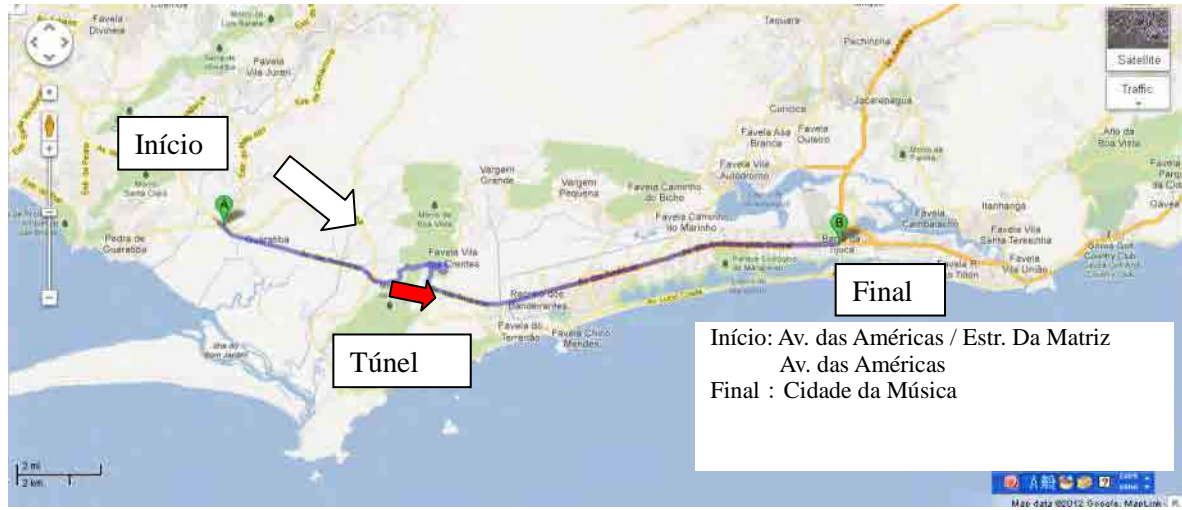
Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	2-2
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



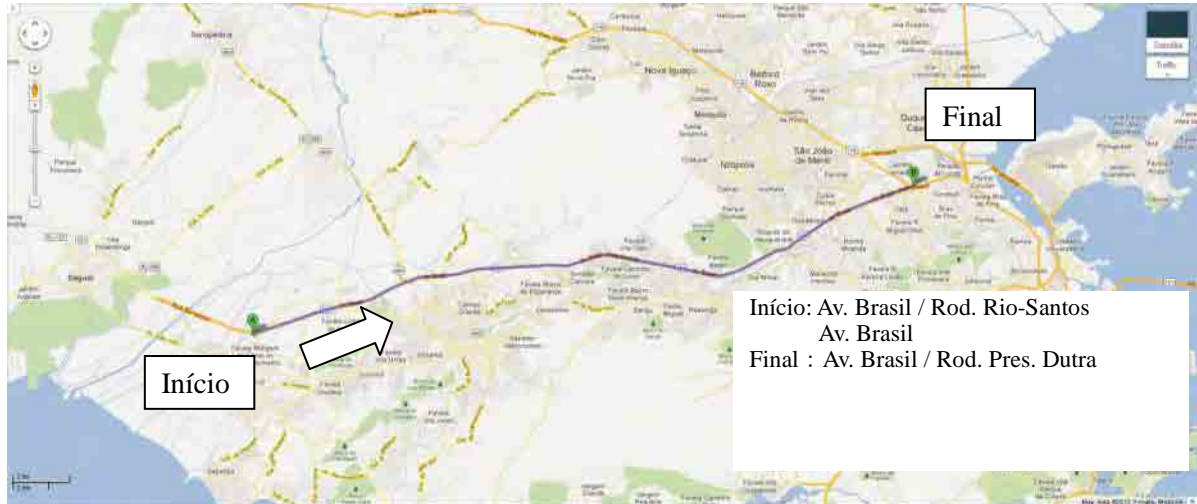
Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

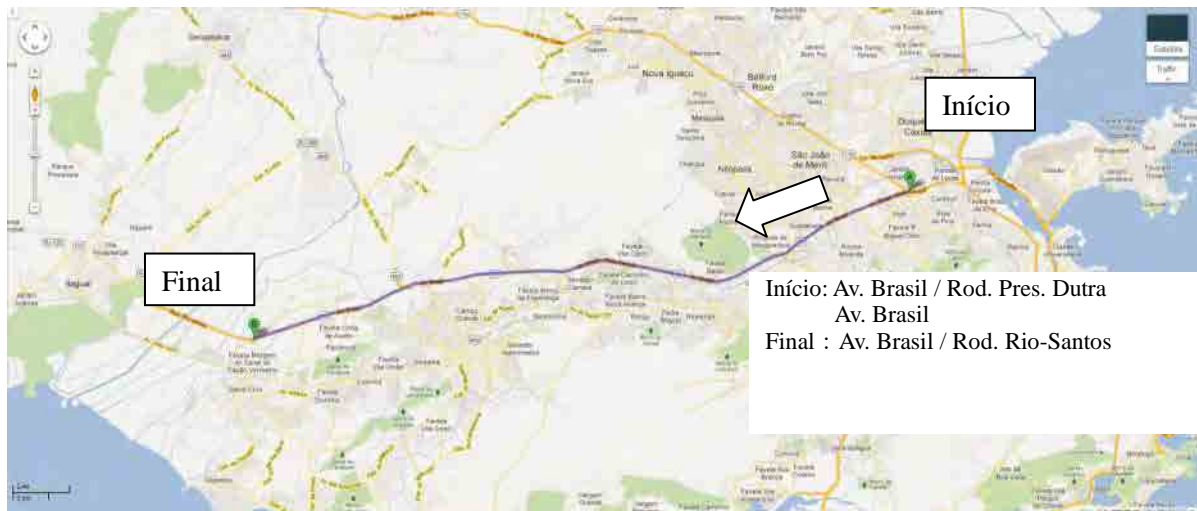
Data		Rota N°.	3-1
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



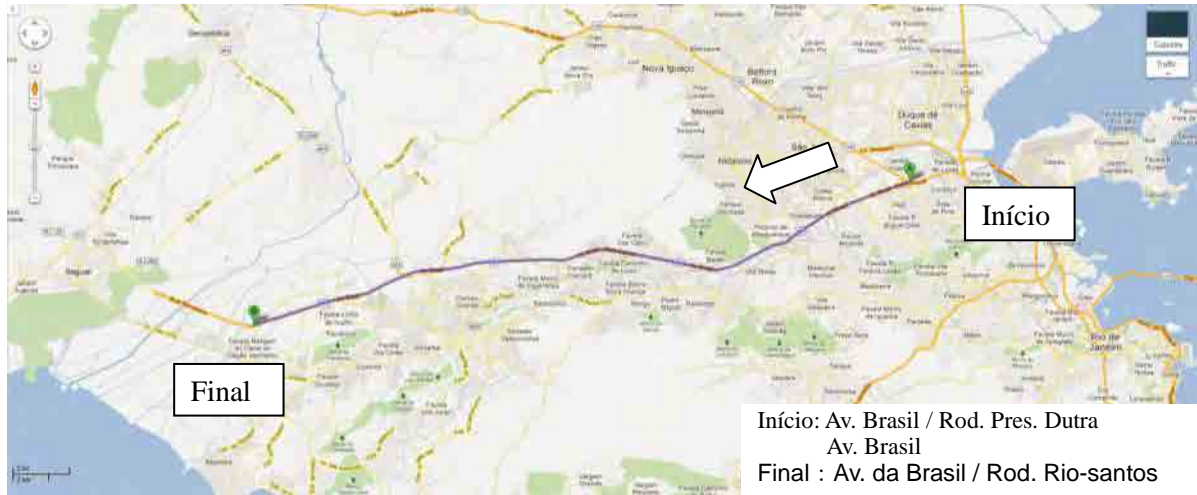
Quadro de Horários

Quadro de Horários	Horário de Início	Observações	Início km	Final km	Total km
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:0 “Volta”					

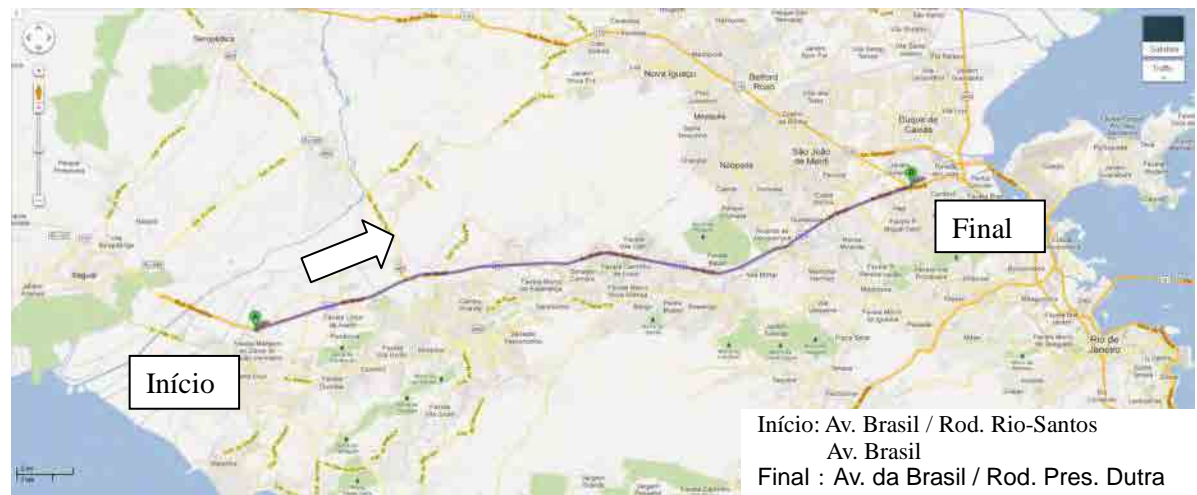
Data		Rota N°.	3-2
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário de Início	Observações	Início km	Final km	Total km
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:00 “Volta”					

Data		Rota N°.	4-1
Nome do Condutor		GPS N°.	

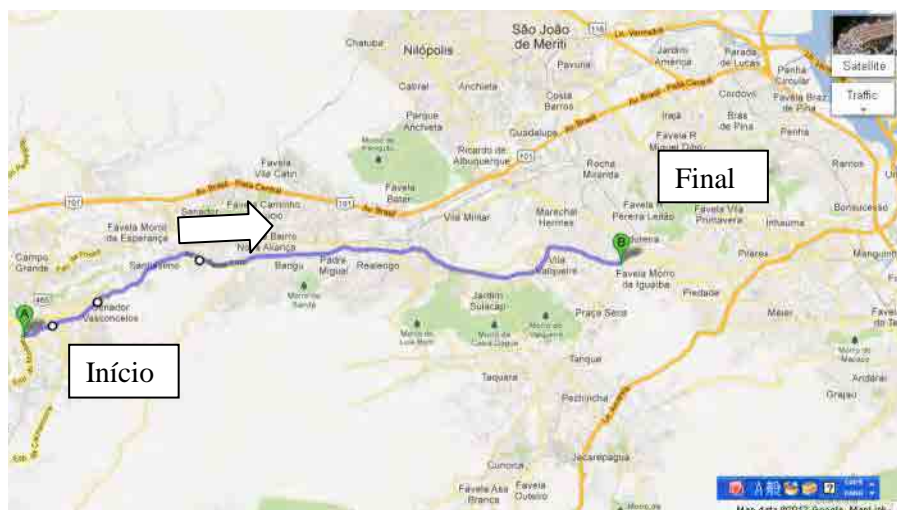
Rota

“Ida”

Início: Av. Cesário de Melo / Av. Maria Teresa

- Av. Cesário de Melo
- R. Artur Rios
- Av. de Santa Cruz
- R. da Feira
- R. Francisco Real
- Av. de Santa Cruz
- Av. Mal. Fontenele
- Av. Alberico Diniz
- Estr. Japore
- Av. Jambeiro
- Estr. Int. Magalhães

Final : Estr. Int. Magalhães / R. Domingues Lopes

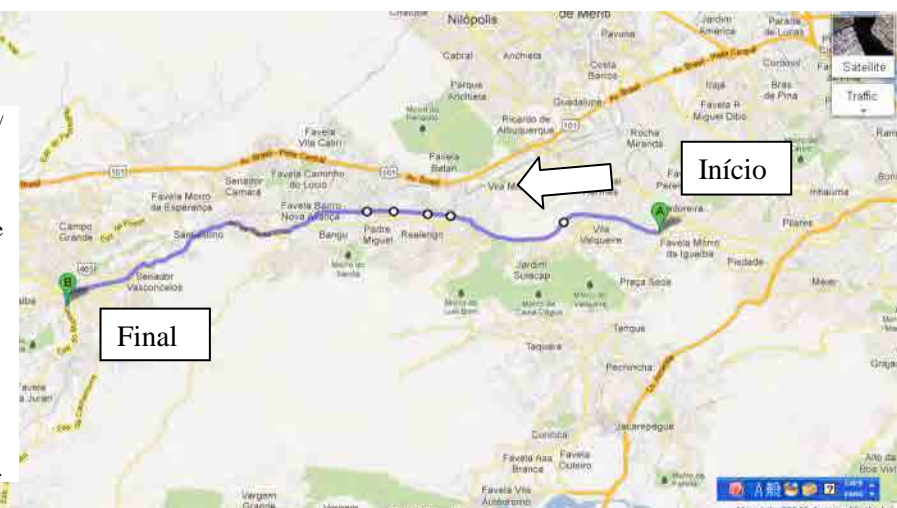


“Volta”

Início: Estr. Int. Magalhães / R. Domingues Lopes

- Estr. Int. Magalhães
- Av. Mal. Fontenele
- R. Bernardo de Vasconcelos
- R. Ubatuba
- Av. de Santa Cruz
- R. Cabiuna
- R. Xavier Marques
- R. Ferreira Borges
- R. Eng. Trindade
- Av. Maria Teresa

Final : Av. Cesario de Melo / Av.



Quadro de Horários

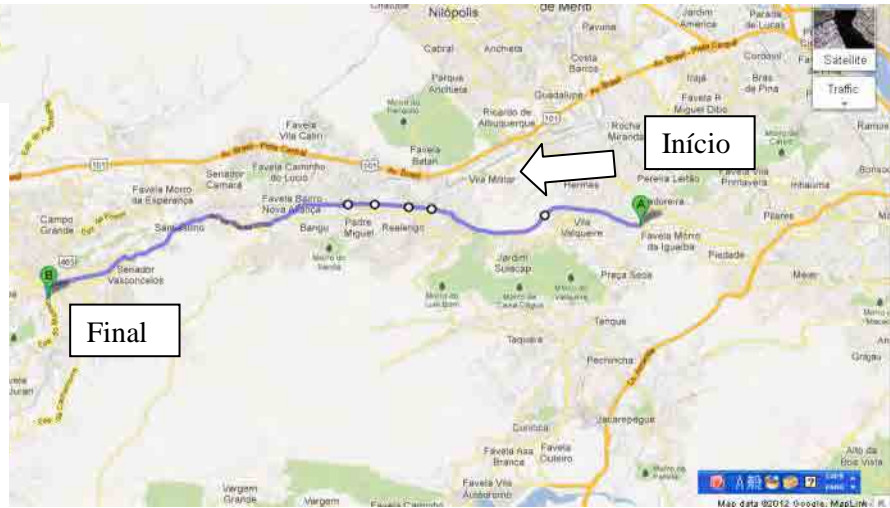
Quadro de Horários	Horário de Início	Observações	Início km	Final km	Total km
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:00 “Volta”					

Data		Rota N°.	4-2
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Estr. Int. Magalhães / R. Domingues Lopes
 Estr. Int. Magalhaes
 Av. Mal. Fontineli
 R. Bernardo de Vasconcelos
 R. Ubatuba
 Av. de Santa Cruz
 R. Cabiuna
 R. Xavier Marques
 R. Ferreira Borges
 R. Eng. Trindade
 Av. Maria Teresa
 Final : Av. Cesario de Melo / Av. Maria Teresa



“Volta”

Início: Av. Cesário de Melo / Av. Maria Teresa
 Av. Cesário de Melo
 R. Artur Rios
 Av. de Santa Cruz
 R. da Feira
 R. Francisco Real
 Av. de Santa Cruz
 Av. Mal. Fontineli
 Av. Alberico Diniz
 Estr. Japore
 Av. Jambeiro
 Estr. Int. Magalhaes
 Final : Estr. Int. Magalhães / R. Domingues Lopes



Quadro de Horários

Quadro de Horários	Horário de Início	Observações	Início km	Final km	Total km
1. 7:00 “Ida”					
2. 8:00 “Volta”					
3. 11:00 “Ida”					
4. 14:00 “Volta”					
5. 17:00 “Ida”					
6. 18:00 “Volta”					

Data		Rota N°.	5-1
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: R. Domingues Lopes / R. João Vicente
 R. Domingos Lopes
 R. Cândido Benício
 Av. Néilson Cardoso
 R. André Rocha
 Estr. dos Bandeirantes
 Av. Salvador Allende
 Final : Av. Salvador Allende / Av. das Américas



“Volta”

Início: Av. Salvador Allende / Av. das Américas
 Av. Salvador Allende
 Estr. dos Bandeirantes
 R. André Rocha
 Av. Néilson Cardoso
 R. Cândido Benício
 Av. Ernani Cardoso
 R. Domingos Lopes
 Final : R. Domingos Lopes / R. Joao Vicente



Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	5-2
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Av. Salvador Allende / Av. das Américas
 Av. Salvador Allende
 Estr. dos Bandeirantes
 R. André Rocha
 Av. Nélon Cardoso
 R. Cândido Benício
 Av. Ernani Cardoso
 R. Domingos Lopes

Final : R. Domingos Lopes / R. Joao Vicente

“Volta”

Início: R. Domingos Lopes / R. João Vicente
 R. Domingos Lopes
 R. Cândido Benício
 Av. Nélon Cardoso
 R. André Rocha
 Estr. dos Bandeirantes
 Av. Salvador Allende

Final : Av. Salvador Allende / Av. das Américas

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	6-1
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Barra Square Shopping Center
 Av. das Américas - Pista Central
 Av. Armando Lombardi - Pista Central
 Av. Min. Ivan Lins
 Pte. da Joatinga
 Vevd. das Bandeiras
 Estr. Lagoa Barra
 Av. Padre Leonel Franca
 R. Mario Ribeiro
 Av. Borges de Medeiros
 Av. Eptacio Pessoa
 Av. Henrique Dodsworth
 R. Miguel Lemos
 Av. Atlantica
 Final : Av. Atlantica / Av. Prca. Isabel

“Volta”

Início: Av. Atlântica / Av. Princesa Isabel
 Av. Atlântica
 R. Bolivar
 Av. Henrique Dodsworth
 Av. Eptacio Pessoa
 Av. Borges de Medeiros
 R. Mario Ribeiro
 Av. Padre Leonel Franca
 Estr. Lagoa Barra
 Vevd. das Bandeiras
 Pte. da Joatinga
 Av. Min. Ivan Lins
 Av. Armando Lombardi - Pista Central
 Av. das Americas-pista Central
 Final : Barra Square Shoppin Center

Quadro de Horários						
Quadro de Horários	Horário	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	6-2
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Av. Atlântica / Av. Princesa Isabel
 Av. Atlântica
 R. Bolivar
 Av. Henrique Dodsworth
 Av. Eptácio Pessoa
 Av. Borges de Medeiros
 R. Mario Ribeiro
 Av. Padre Leonel Franca
 Estr. Lagoa Barra
 Vevd. das Bandeiras
 Pte. da Joatinga
 Av. Min. Ivan Lins
 Av. Armando Lombardi - Pista Central
 Av. das Americas-pista Central
 Final : Barra Square Shoppin Center

“Volta”

Início: Barra Square Shopping Center
 Av. das Américas - Pista Central
 Av. Armando Lombardi - Pista Central
 Av. Min. Ivan Lins
 Pte. da Joatinga
 Vevd. das Bandeiras
 Estr. Lagoa Barra
 Av. Padre Leonel Franca
 R. Mario Ribeiro
 Av. Borges de Medeiros
 Av. Eptacio Pessoa
 Av. Henrique Dodsworth
 R. Miguel Lemos
 Av. Atlantica
 Final : Av. Atlantica / Av. Prca. Isabel

Quadro de Horários

Quadro de Horários	Horário	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	7-1
Nome do Condutor		GPS N°.	

Rota

”Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	7-2
Nome do Condutor		GPS N°.	

Rota

”Ida”

Início: R. Joaquim Nabuco / Av. Atlântica
 R. Joaquim Nabuco
 Av. Vieira Souto
 Av. Delfim Moreira
 Av. Niemeyer
 Estr. Lagoa Barra
 Vevd. das Bandeiras
 Av. Min. Ivan Lins
 Av. Armando Lombardi
 R. Cel. Eurico de Souza G Filho
 R. John Kennedy
 Av. Lucio Costa/Av. Sernambetiba
 Final : Av. Lucio Costa / Av.Ayrton Senna

“Volta”

Início: Av. Lucio Costa / Av.Ayrton Senna
 Av. Lucio Costa/Av. Sernambetiba
 Av. Olegário Maciel
 Av. Min. Ivan Lins
 Pte. da Joatinga
 Vevd. das Bandeiras
 Estr. Lagoa Barra
 Av. Pref. Mendes de Moraes
 Av. Niemeyer
 Av. Delfim Moreira
 Av. Vieira Souto
 R. Francisco Otaviano
 Final : R. Francisco Otaviano / Av. Atlântica

Quadro de Horários

Quadro de Horários	Horário	de	Observações	Início km	Final km	Total km
1.	7:00					
“Ida”						
2.	8:00					
“Volta”						
3.	11:00					
“Ida”						
4.	14:00					
“Volta”						
5.	17:00					
“Ida”						
6.	18:00					
“Volta”						

Data		Rota N°.	8-1
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Em torno do Estádio Maracanã
 Av. Maracanã
 R. Dr. Octávio Kelly
 R. Conde de Bonfim
 R. Sao Rafael
 R. Sao Miguel
 Av. Edson Passos
 Estr. Velha da Tijuca
 R. Boa Vista
 Estr. das Furnas
 Estr. da Barra da Tijuca
 Pte. Nova

Final : Pte. Nova / Av. Amando Lombardi

“Volta”

Início: Pte. Velha / Av. Armando Lombardi
 Pte. Velha
 Estr. da Barra da Tijuca
 R. Dom Rosalvo Costa Rêgo
 Estr. das Furnas
 R. Boa Vista
 Estr. Velha da Tijuca
 Av. Edson Passos
 Estr. Velha da Tijuca
 R. Conde de Bonfim
 R. Da. Delfina
 Av. Maracana

Final : Região do Estádio do Maracanã

Quadro de Horários

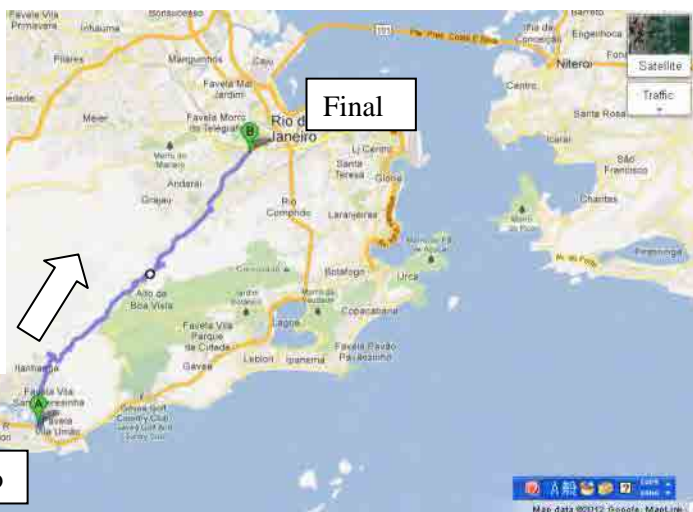
Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	8-2
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Pte. Velha / Av. Armando Lombardi
 Pte. Velha
 Estr. da Barra da Tijuca
 R. Dom Rosalvo Costa Rêgo
 Estr. das Furnas
 R. Boa Vista
 Estr. Velha da Tijuca
 Av. Edson Passos
 Estr. Velha da Tijuca
 R. Conde de Bonfim
 R. Da. Delfina
 Av. Maracanã
 Final: Região do Estádio do Maracanã



“Volta”

Início: Em torno do Estádio Maracanã
 Av. Maracanã
 R. Dr. Octávio Kelly
 R. Conde de Bonfim
 R. São Rafael
 R. Sao Miguel
 Av. Edson Passos
 Estr. Velha da Tijuca
 R. Boa Vista
 Estr. das Furnas
 Estr. da Barra da Tijuca
 Pte. Nova
 Final : Pte. Nova / Av. Amando Lombardi



Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	9-1
Nome do Condutor		GPS N°.	

Rota

“Ida”



Início: Av. Geremário Dantas / Ln. Amarela
 Av. Geremário Dantas
 R. Mamoré
 R. Xingu
 R. Araguaia
 Estr. do Guanumbi
 Estr. dos Tres Rios
 Estr. Santa Ines
 Av. Menezes Cortes
 R. Jose do Patrocínio
 R. Barao do Bom Retiro
 R. Teodoro da Silva
 Av. . Manoel de Abreu
Final : Região do Estádio do Maracanã

“Volta”



Início: Em torno do Estádio Maracanã
 Av. Prof. Manoel de Abreu
 R. Pereira Nunes
 Blvd. Vinte e Oito de Setembro
 R. Luis Barbosa
 R. Visc. de Santa Isabel
 Av. Menezes Cortes
 Estr. dos Tres Rios
 Estr. do Pau Ferro
 R. Araguaia
 Av. Geremario Dantas
Final : Av. Geremário Dantas / Ln. Amarela

Quadro de Horários

Quadro de Horários	Horário	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	9-2
Nome do Condutor		GPS N°.	

Rota

“Ida”

Início: Em torno do Estádio Maracanã
 Av. Prof. Manoel de Abreu
 R. Pereira Nunes
 Blvd. Vinte e Oito de Setembro
 R. Luis Barbosa
 R. Visc. de Santa Isabel
 Av. Menezes Cortes
 Estr. dos Tres Rios
 Estr. do Pau Ferro
 R. Araguaia
 Av. Geremário Dantas

Final : Av. Geremário Dantas / Ln. Amarela

“Volta”

Início: Av. Geremário Dantas / Ln. Amarela
 Av. Geremário Dantas
 R. Mamoré
 R. Xingu
 R. Araguaia
 Estr. do Guanumbi
 Estr. dos Tres Rios
 Estr. Santa Ines
 Av. Menezes Cortes
 R. Jose do Patrocínio
 R. Barao do Bom Retiro
 R. Teodoro da Silva
 Av. Prof. Manoel de Abreu

Final : Around Maracana Stadium

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	10-1
Nome do Condutor		GPS N°.	

Rota

“Sentido anti-horário”



Início: Av. Brasil / Rod. Pres. Dutra
 Av. Brasil
 Av. Bento Ribeiro Dantas
 Ln. Vermelha/Av. Pres. João Goulart
 Rod. Pres. Dutra
 Final : Av. Brasil / Rod. Pres. Dutra

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	10-2
Nome do Condutor		GPS N°.	

Rota

“Sentido Horário”



Início: Av. Brasil / Rod. Pres. Dutra
 Rod. Pres. Dutra
 Ln. Vermelha/Via Pres. João Goulart
 Av. Bento Ribeiro Dantas
 Av. Brasil
 Final : Av. Brasil / Rod. Pres. Dutra

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	11-1
Nome do Condutor		GPS N°.	

Rota

”Ida”

Início: Av. Ataulfo de Paiva / R. Visc. de Albuquerque
 Av. Ataulfo de Paiva
 R. Visc. de Pirajá
 R. Francisco Sá
 Av. Nossa Senhora de Copacabana
 Av. Prca. Isabel
 Av. Venceslau Brás
 Av. Pasteur
 Av. Rep. Nestor Moreira
 Av. das Nações Unidas
 Av. Inf-d. Henrique
 Av. Gen. Justo
 Vevd. da Perimetral
Final : Vevd. da Perimetral /Av. Brasil

“Volta”

Início: Vevd. da Perimetral /Av. Brasil
 Vevd. da Perimetral
 Av. Gen. Justo
 Av. Inf-d. Henrique
 Av. das Nações Unidas
 Av. Lauro Sodré
 R. Barata Ribeiro
 R. Raul Pompéia
 Av. Rnh. Elizabeth da Bélgica
 R. Apollo Onze
 R. Prudente de Morais
 Av. Gen. San Martin
Final : Av. Gen. San Martin / R. Visc. de Albuquerque

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 ”Ida”						
2. 8:00 “Volta”						
3. 11:00 ”Ida”						
4. 14:00 “Volta”						
5. 17:00 ”Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	11-2
Nome do Condutor		GPS N°.	

Rota

”Ida”

Início: Vevd. da Perimetral /Av. Brasil
 Vevd. da Perimetral
 Av. Gen. Justo
 Av. Inf-d. Henrique
 Av. das Nações Unidas
 Av. Lauro Sodré
 R. Barata Ribeiro
 R. Raul Pompéia
 Av. Rnh. Elizabeth da Bélgica
 R. Apollo Onze
 R. Prudente de Morais
 Av. Gen. San Martin
 Final : Av. Gen. San Martin / R. Visc. de Albuquerque

“Volta”

Início: Av. Ataulfo de Paiva / R. Visc. de Albuquerque
 Av. Ataulfo de Paiva
 R. Visc. de Pirajá
 R. Francisco Sá
 Av. Nossa Senhora de Copacabana
 Av. Prca. Isabel
 Av. Venceslau Brás
 Av. Pasteur
 Av. Rep. Nestor Moreira
 Av. das Nações Unidas
 Av. Inf-d. Henrique
 Av. Gen. Justo
 Vevd. da Perimetral
 Final : Vevd. da Perimetral /Av. Brasil

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

12-1

Data		Rota N°.	12-1
Nome do Condutor		GPS N°.	

Rota
“Sentido Horário”



Início: Região da Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto
 Vd. Eng. Humberto Vital B de Mello
 Vd. Saint Hilaire
 Av. Vital Brasil
 Tún. André Rebouças
 Av. Vital Brasil
 Vevd. Eng. Freyssinet
 Vd. dos Pracinhas
 Av. Pres. Vargas
 R. Carmo Neto
 R. Benedicto Hipólito
 Av. Trinta e Um de Março
 Tún. Santa Bárbara
 Vd. Eng. Noronha
 R. Pinheiro Machado
 R. Muniz Barreto
 R. São Clemente
 R. Humaitá
 Final : Around Praça Marcos Tamoio, 02.06.008

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	12-2
Nome do Condutor		GPS N°.	

Rota
 “Sentido Anti-Horário”



Início: Região Praça Marcos Tamoio, 02.06.008
 E.M. Pedro Ernesto
 R. Humaitá
 R. Visc. de Silva
 R. Pinheiro Guimarães
 R. Gen. Polidoro
 R. Arnaldo Quintela
 R. Bartolomeu Portela
 R. Gen. Severiano
 Av. Pasteur
 Vd. Pedro Álvares Cabral
 Praia de Botafogo
 R. Pinheiro Machado
 Vd. Eng. Noronha
 Tún. Santa Bárbara
 Av. Trinta e Um de Março
 Av. Pres. Vargas
 Vd. dos Marinheiros
 Vevd. Eng. Freyssinet
 Av. Vital Brasil
 Tún. Antônio Rebouças
 Av. Vital Brasil
 Vd. Saint Hilaire
 Vd. Eng. Humberto Vital B de Mello
Final : Around Praça Marcos Tamoio, 02.06.008
 E.M. Pedro Ernesto.

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	13-1
Nome do Condutor		GPS N°.	

Rota

“Ida”



”Volta”



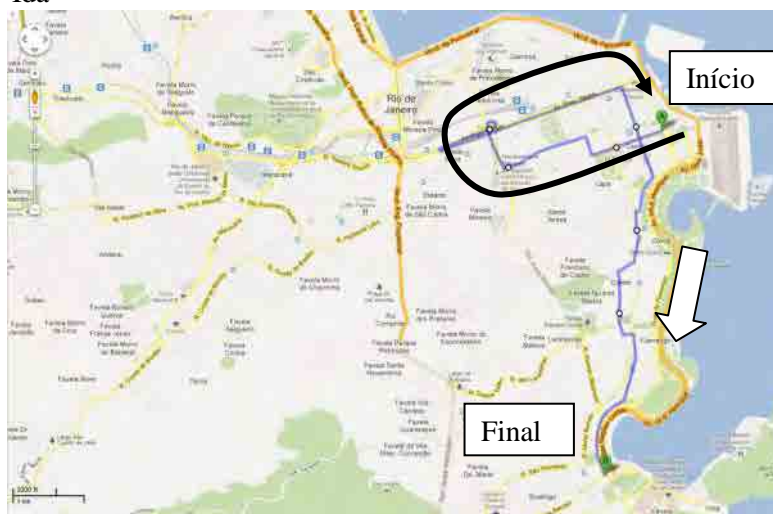
Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	13-2
Nome do Condutor		GPS N°.	

Rota

”Ida”



Início: Av. Alm. Barroso / Av. Pres. Antonio Carlos

- Av. Alm. Barroso
- Av. República do Chile
- R. do Lavradio
- R. Visc. do Rio Branco
- R. Fr. Caneca
- Av. Trinta e Um de Março
- Av. Pres. Vargas
- Av. Rio Branco
- R. Mte. Valentim
- Av. Augusto Severo
- R. da Glória
- R. do Catete
- R. Pedro Américo
- R. Bento Lisboa
- R. Min. Tavares de Lira
- R. Conde de Baependi
- R. Mq. de Abrantes
- Praia de Botafogo

Final : Around Largo Alm Índio do Brasil

“Volta”



Início : Em torno do Largo Alm Índio do Brasil

- Praia de Botafogo
- Praça Marinha do Brasil
- R. Sen. Vergueiro
- R. do Catete
- Lrg. da Glória
- R. do Russel
- Av. Beira Mar
- Av. Pres. Antônio Carlos
- Av. Pres. Vargas

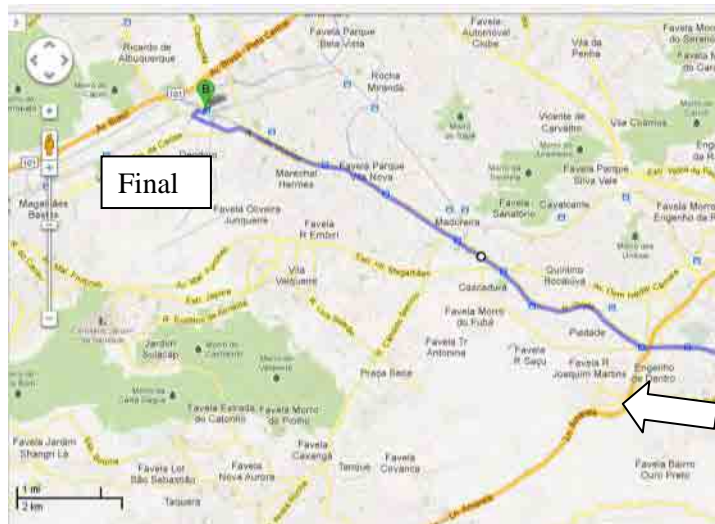
Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 “Ida”						
2. 8:00 “Volta”						
3. 11:00 “Ida”						
4. 14:00 “Volta”						
5. 17:00 “Ida”						
6. 18:00 “Volta”						

Data		Rota N°.	14-1
Nome do Condutor		GPS N°.	

Rota

”Ida”



Início: Região do Estádio do Maracanã
 Av. Pres. Castelo Branco
 R. São Francisco Xavier
 R. Vinte e Quatro de Maio
 Av. Amaro Cavalcanti
 R. Manoel Vitorino
 R. Elias da Silva
 R. Nerval de Gouvea
 R. Angelo Dantas
 R. Joao Vicente
 Av. Dq. de Caxias
 Praça Deodoro
 Final : Estação Deodoro

Início

”Volta”



Início: Estação Deodoro
 Praça Deodoro
 R. dos Abacates
 R. João Vicente
 R. Gita
 R. João Vicente
 Av. Dom Helder Camara
 R. Goiás
 R. Souza Barros
 R. Vinte e Quatro de Maio
 Av. Mal. Rondon
 R. Sao Francisco Xavier
 Av. Pres. Castelo Branco
 Final : Região do Estádio do Maracanã

Final

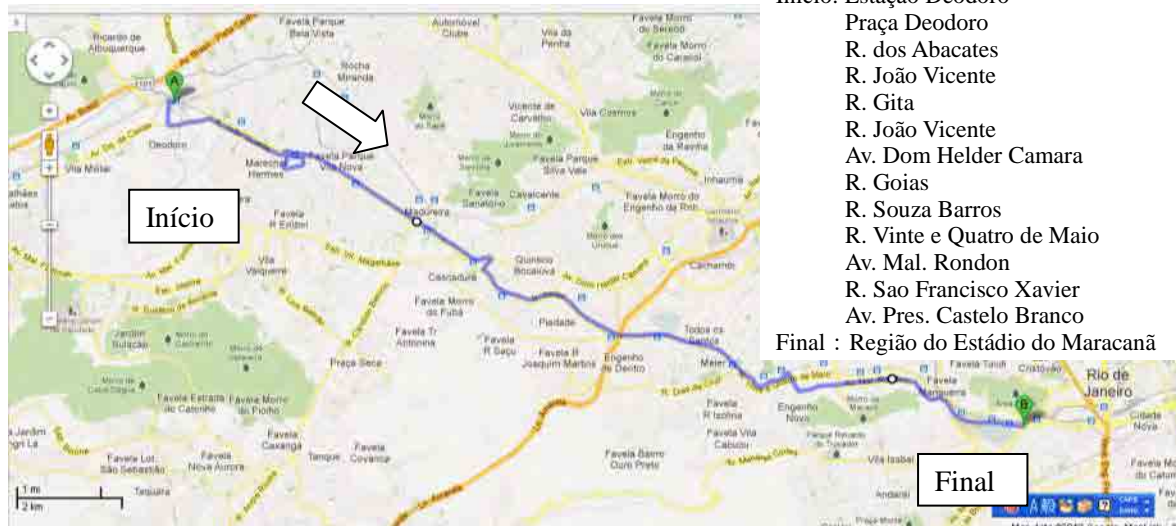
Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. 7:00 ”Ida”						
2. 8:00 ”Volta”						
3. 11:00 ”Ida”						
4. 14:00 ”Volta”						
5. 17:00 ”Ida”						
6. 18:00 ”Volta”						

Data		Rota N°.	14-2
Nome do Condutor		GPS N°.	

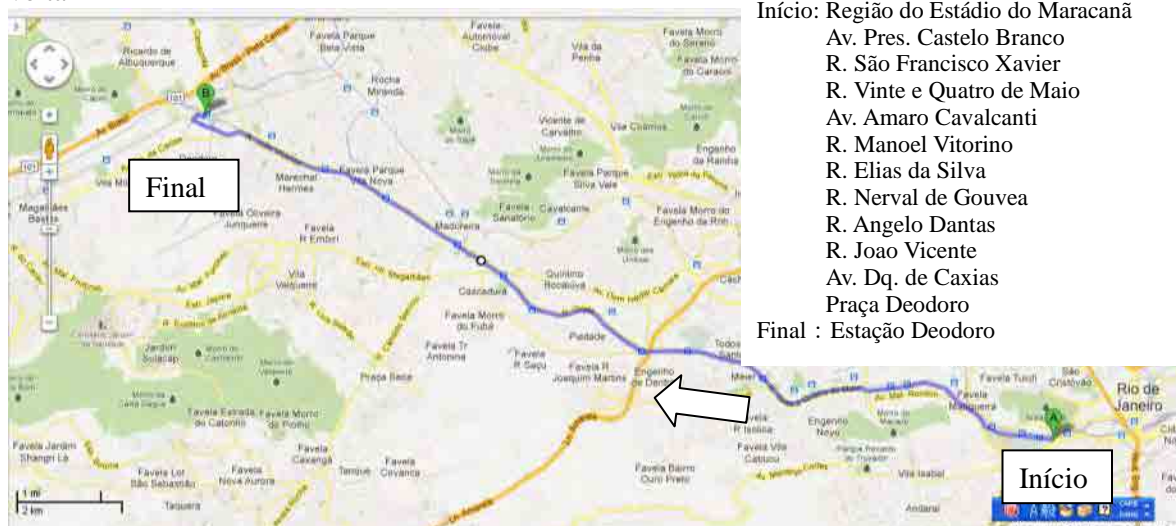
Rota

“Ida”



Início: Estação Deodoro
 Praça Deodoro
 R. dos Abacates
 R. João Vicente
 R. Gita
 R. João Vicente
 Av. Dom Helder Camara
 R. Goias
 R. Souza Barros
 R. Vinte e Quatro de Maio
 Av. Mal. Rondon
 R. Sao Francisco Xavier
 Av. Pres. Castelo Branco
 Final : Região do Estádio do Maracanã

”Volta”



Início: Região do Estádio do Maracanã
 Av. Pres. Castelo Branco
 R. São Francisco Xavier
 R. Vinte e Quatro de Maio
 Av. Amaro Cavalcanti
 R. Manoel Vitorino
 R. Elias da Silva
 R. Nerval de Gouvea
 R. Angelo Dantas
 R. Joao Vicente
 Av. Dq. de Caxias
 Praça Deodoro
 Final : Estação Deodoro

Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

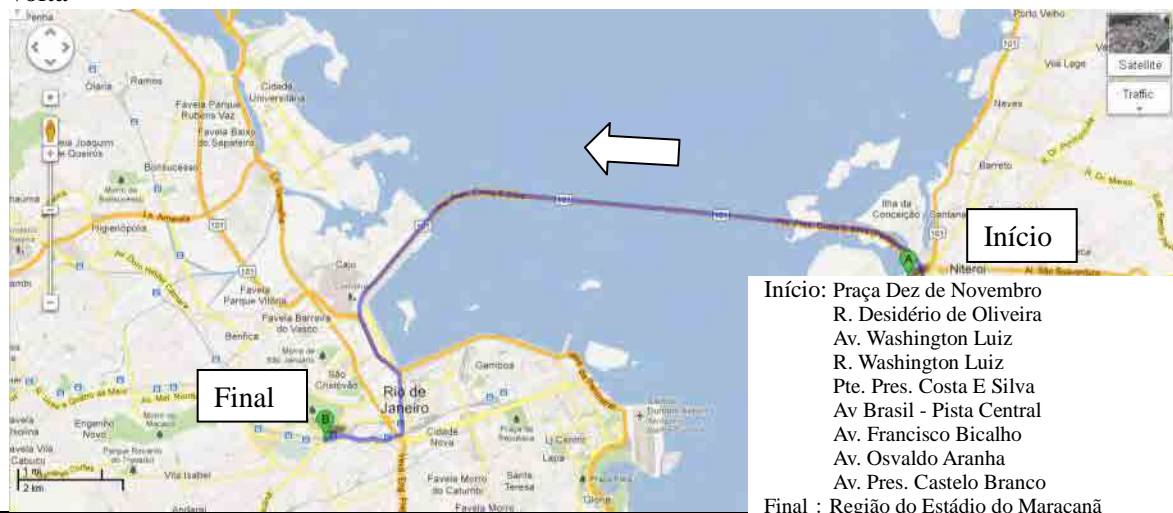
Data		Rota N°.	15-1
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário Início	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

Data		Rota N°.	15-2
Nome do Condutor		GPS N°.	

Rota

“Ida”



“Volta”



Quadro de Horários

Quadro de Horários	Horário	de	Observações	Início km	Final km	Total km
1. “Ida”	7:00					
2. “Volta”	8:00					
3. “Ida”	11:00					
4. “Volta”	14:00					
5. “Ida”	17:00					
6. “Volta”	18:00					

2) Weekday

[Morning Peak]

Route	Direction	Start	Goal	Main Road	Distance(km)
1	1-1	Cidade da Musica	Palácio das Exposições	Linha Amarela, Rio-Niteroi	30
	1-2	Palácio das Exposições	Cidade da Musica		31

Direction 1

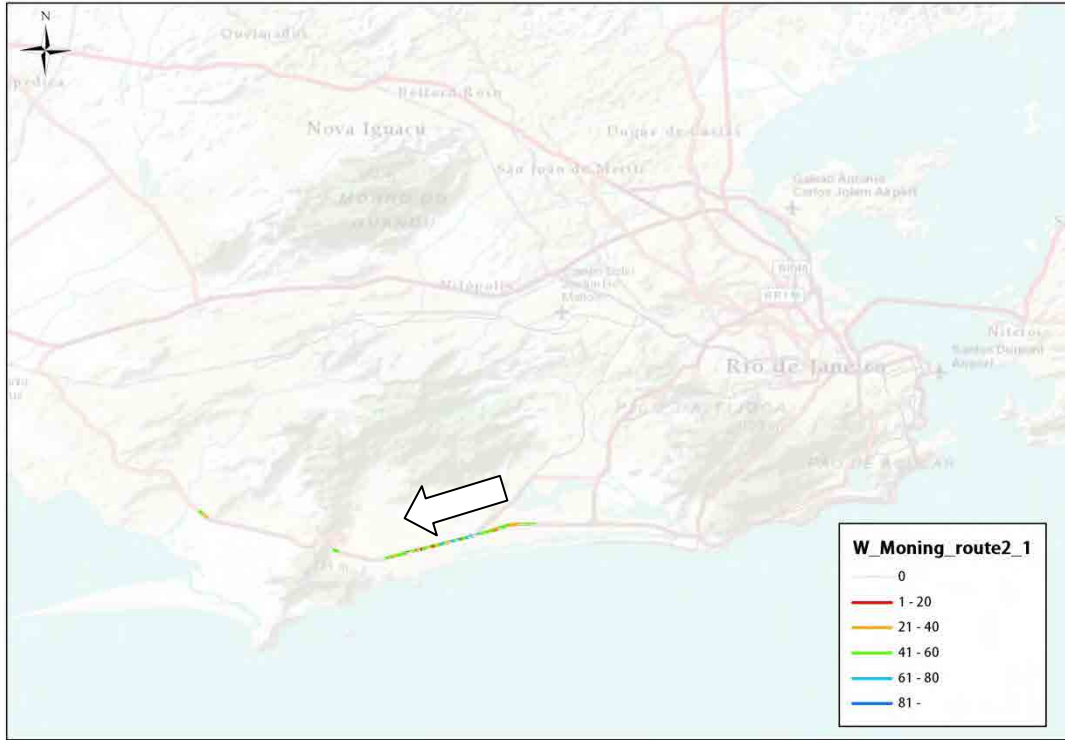


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28

Direction 1



Direction 2

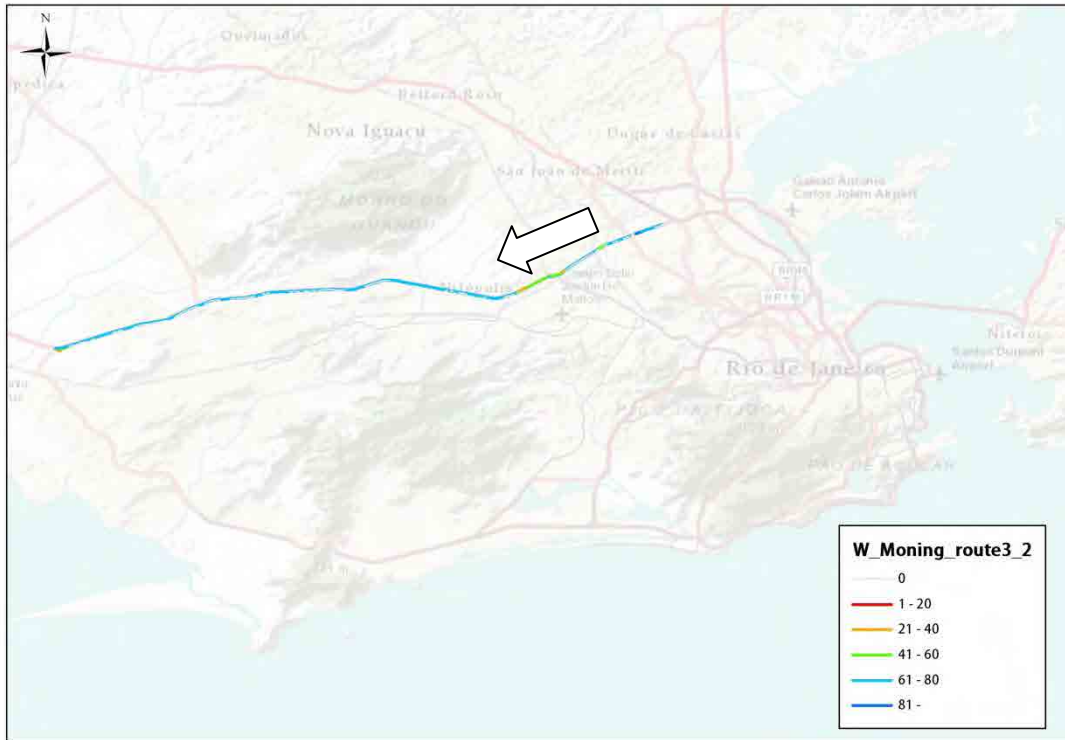


Route	Direction	Start	Goal	Main Road	Distance(km)
3	3-1	Av. da Brasil / Rod. Rio-santos	Av. da Brasil / Rod. Pres. Dutra	Av. Brasil	40
	3-2	Av. da Brasil / Rod. Pres. Dutra	Av. da Brasil / Rod. Rio-santos		39

Direction 1

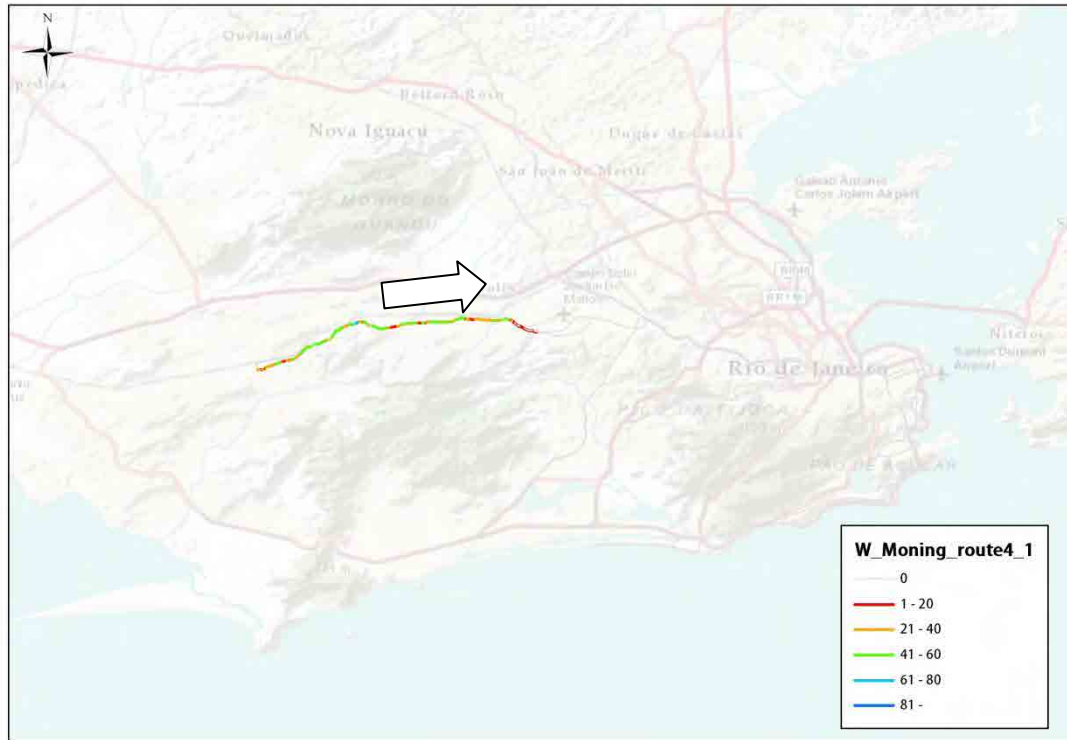


Direction 2

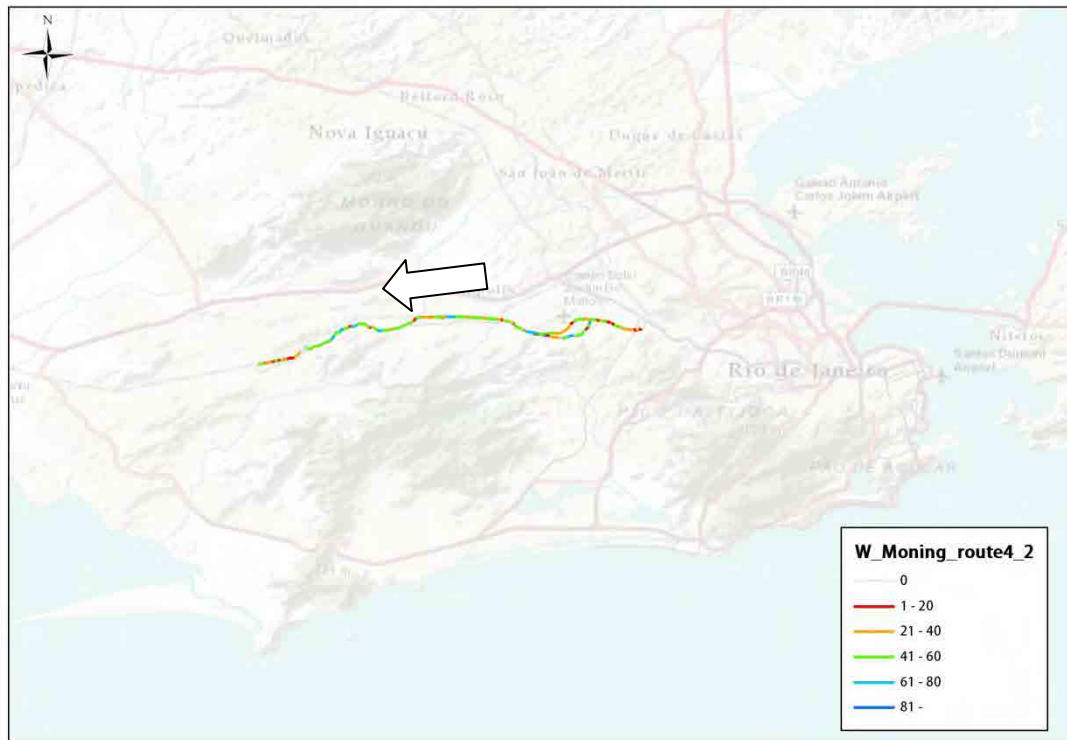


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

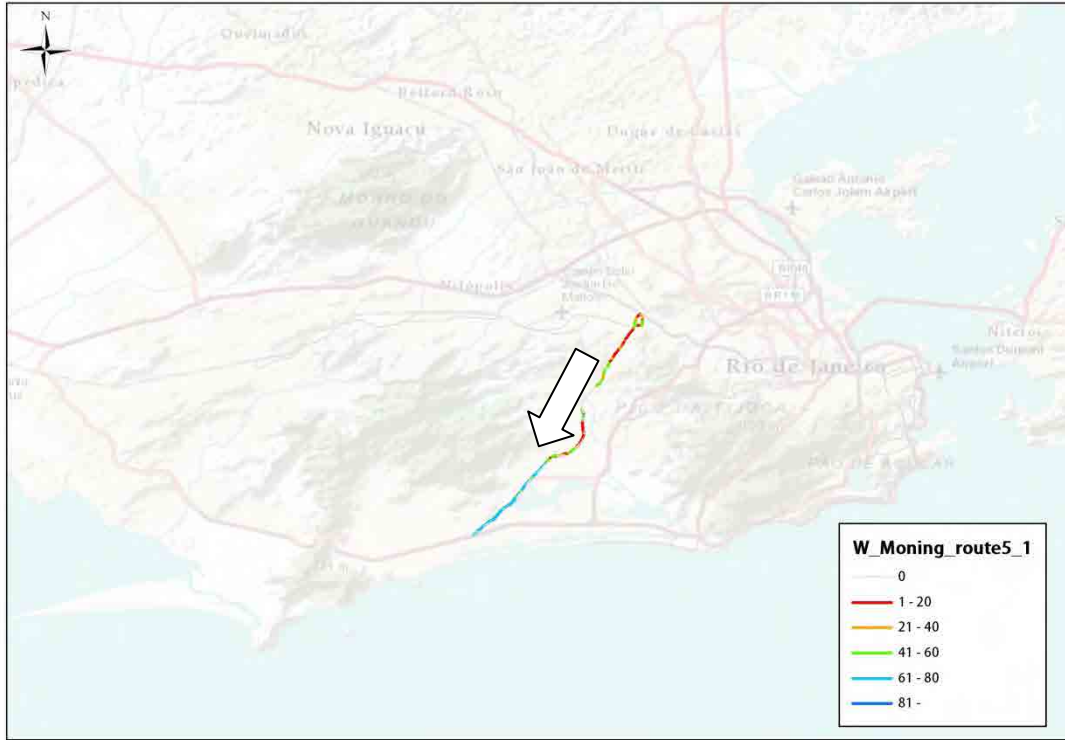


Direction 2

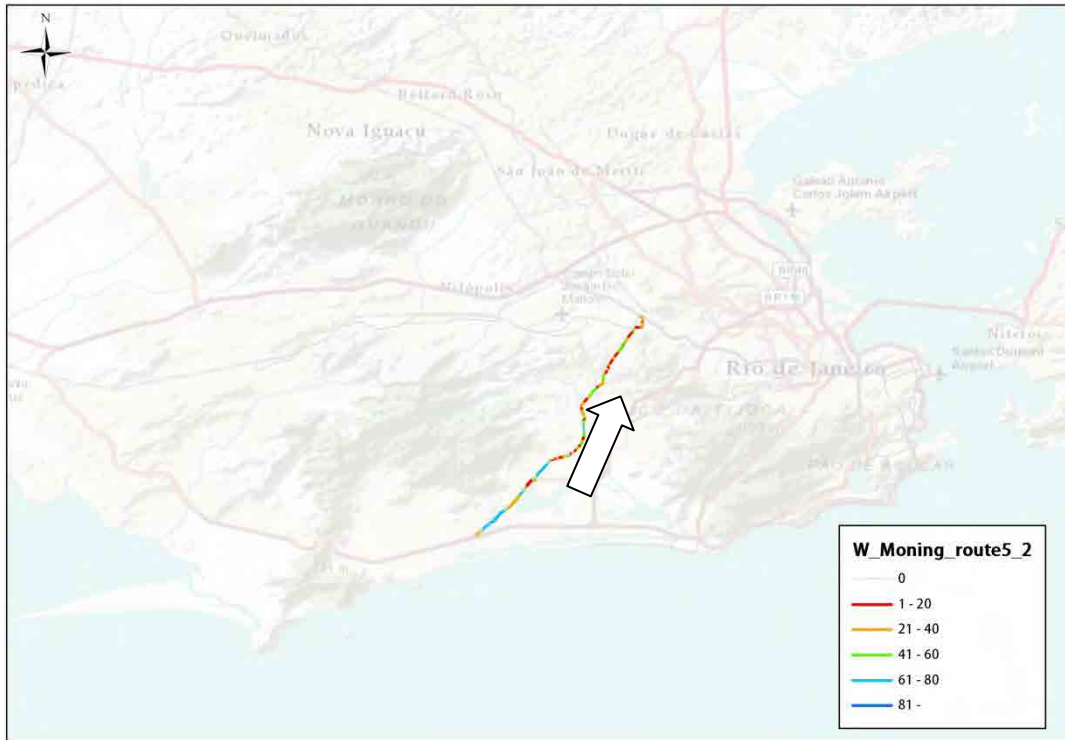


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

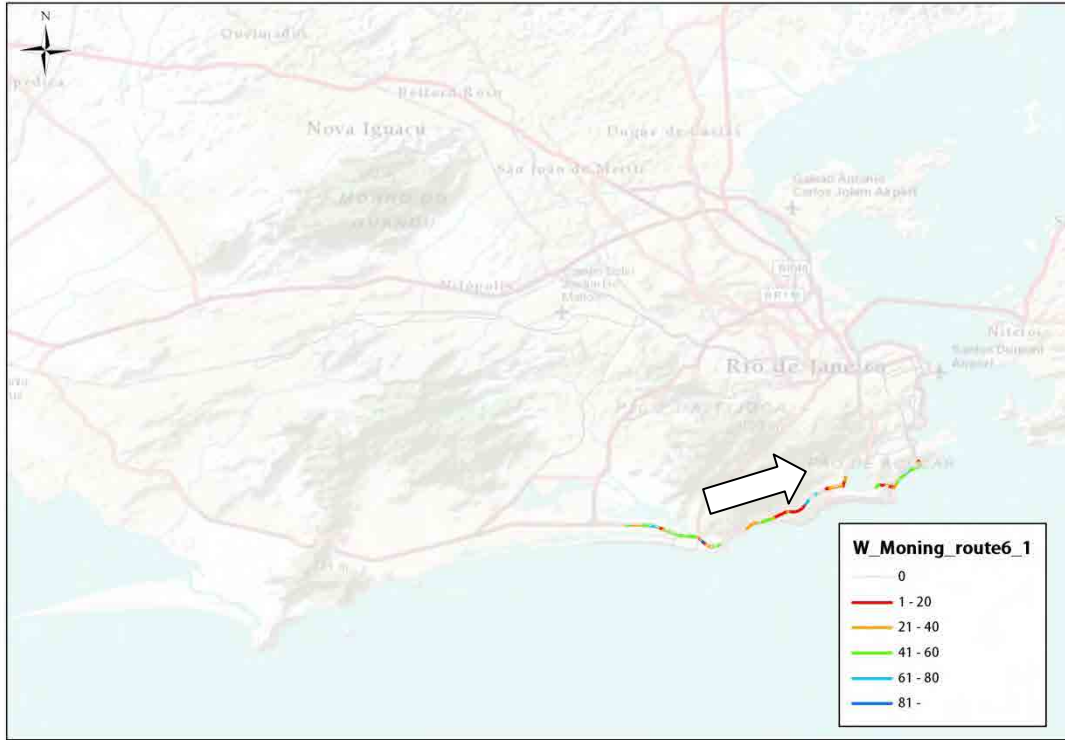


Direction 2

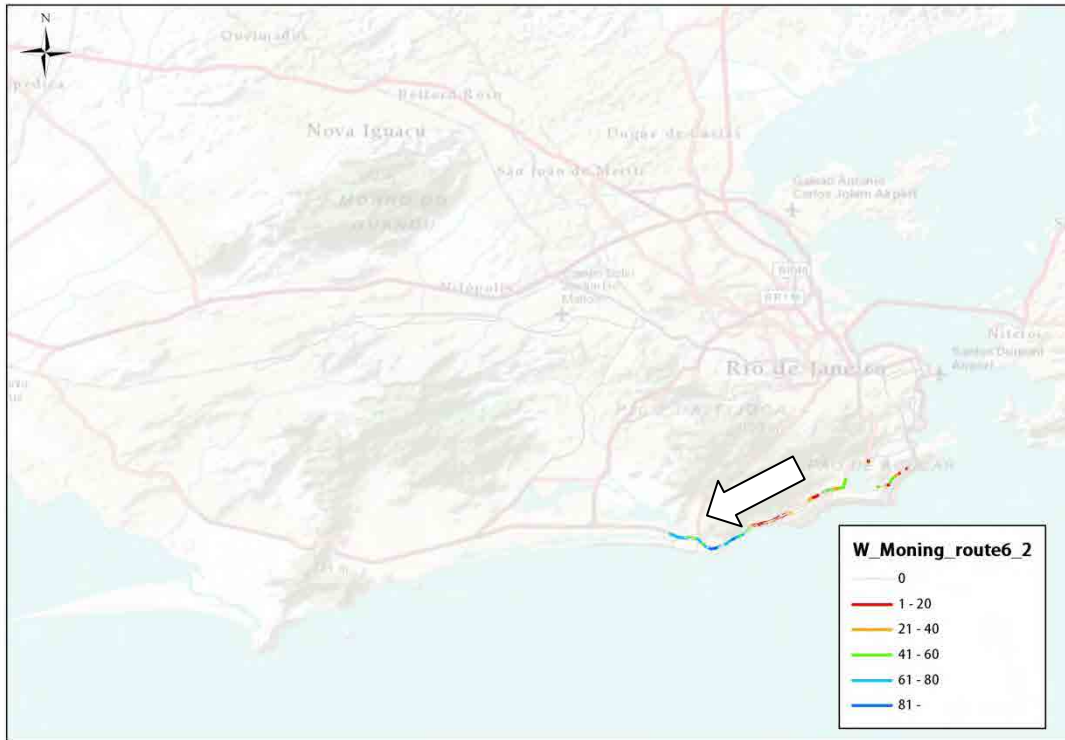


Route	Direction	Start	Goal	Main Road	Distance(km)
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22

Direction 1

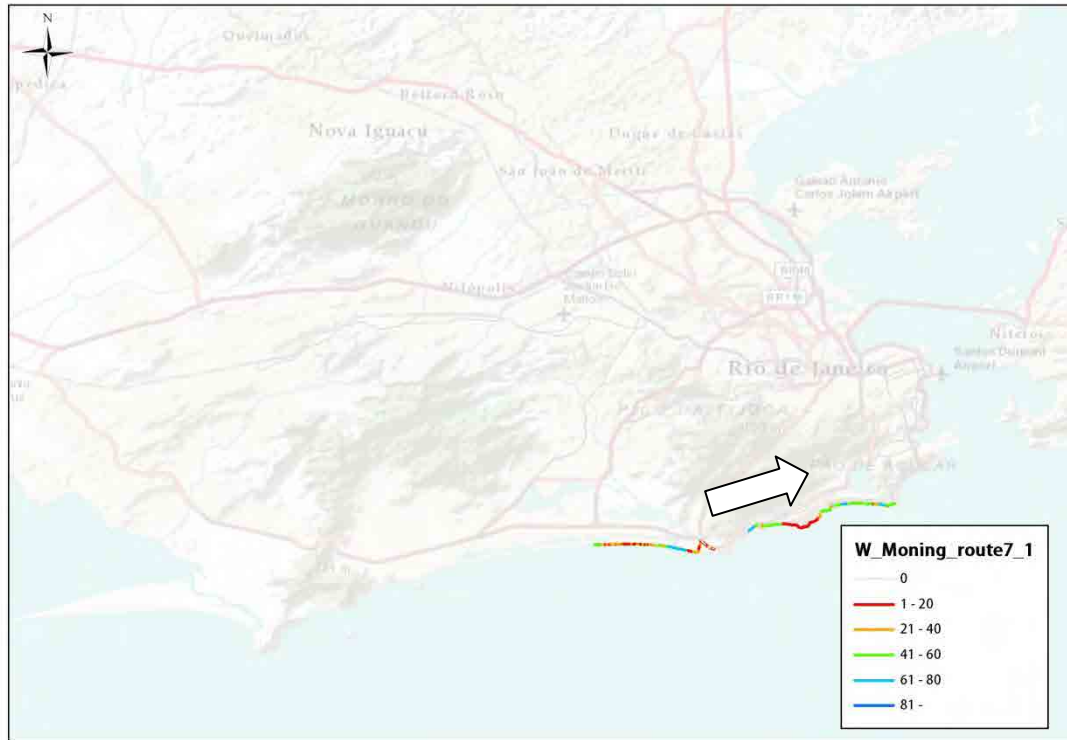


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2

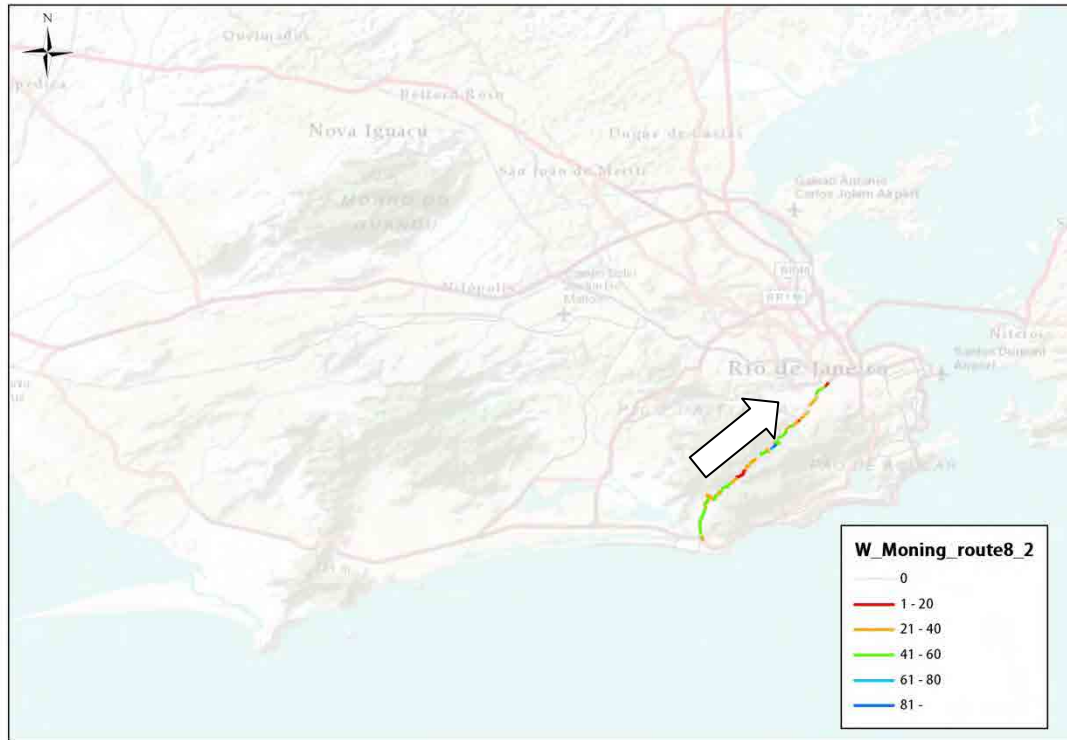


Route	Direction	Start	Goal	Main Road	Distance(km)
8	8-1	Around Maracana Stadium	Pte. Nova / Av. Amando Lombardi	Estr. Velha Tijuca	17
	8-2	Pte. Velha / Av. Amando Lombardi	Around Maracana Stadium		17

Direction 1



Direction 2

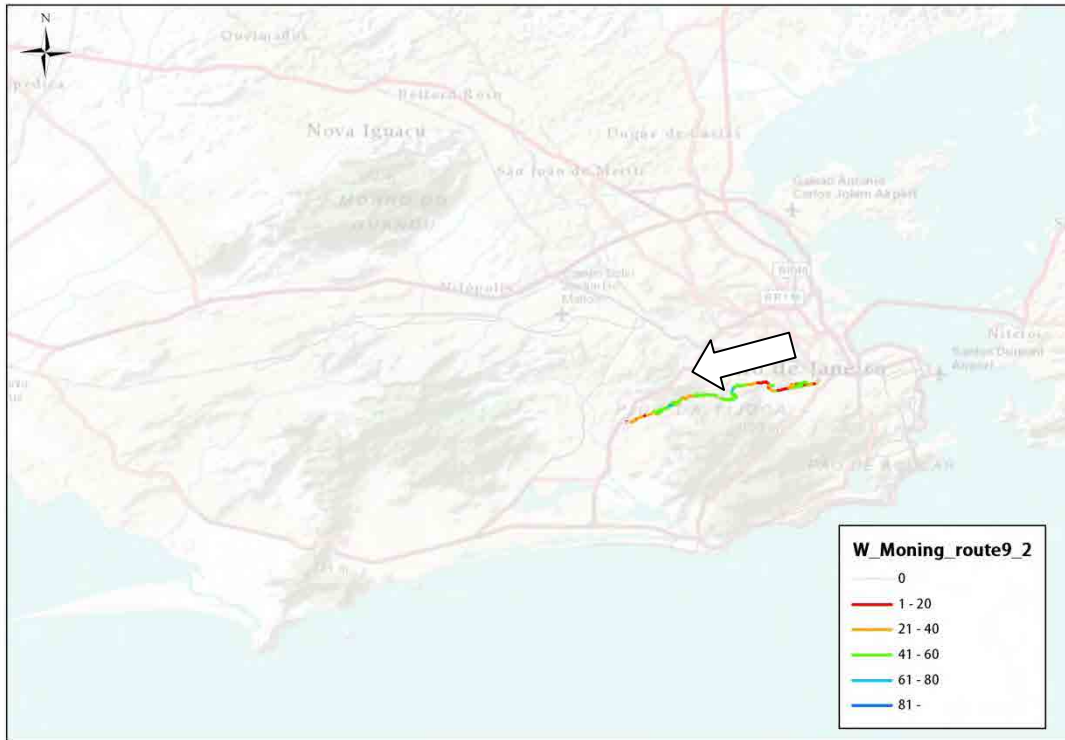


Route	Direction	Start	Goal	Main Road	Distance(km)
9	9-1	Av. Geremário Dantas / Ln. Amarela	Around Maracana Stadium	Av. Menezes Cortes	15
	9-2	Around Maracana Stadium	Av. Geremário Dantas / Ln. Amarela		15

Direction 1

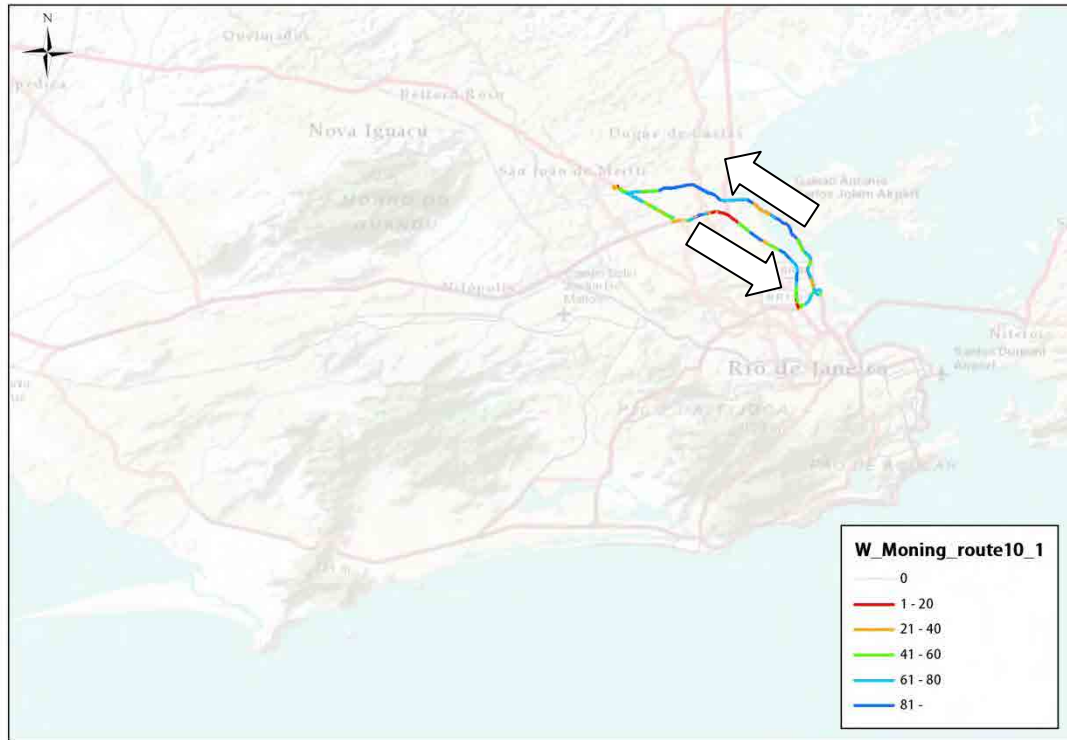


Direction 2

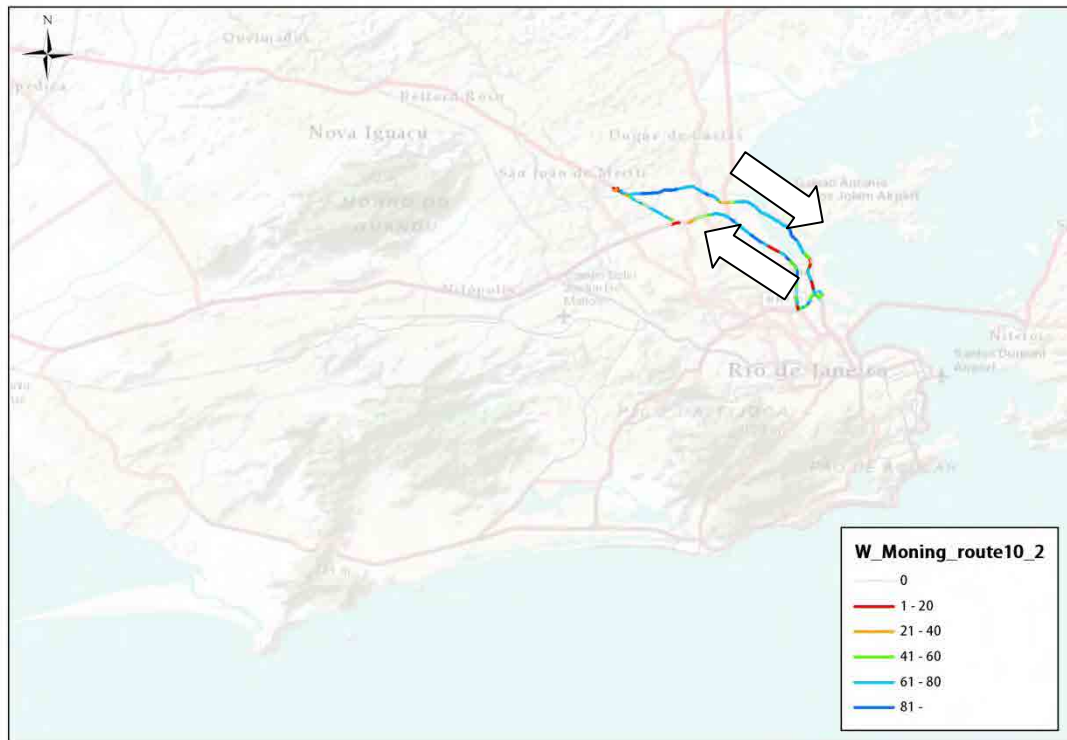


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

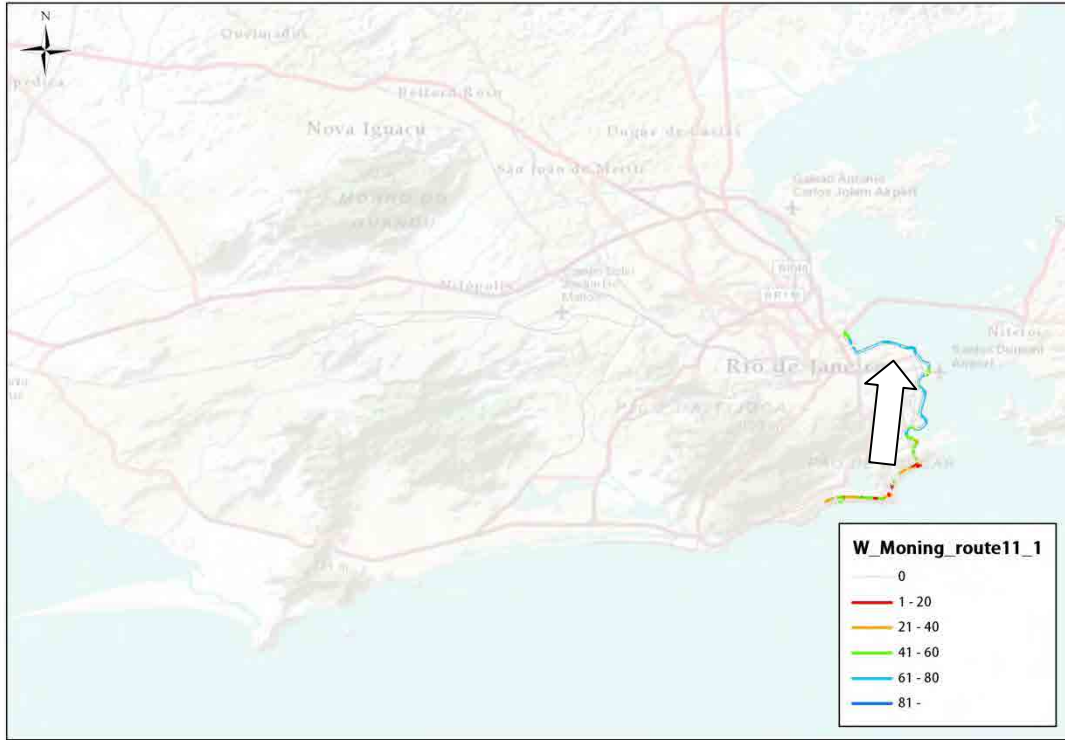


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
11	11-1	Av. Ataulfo de Paiva / R. Visc. de Albuquerque	Vevd. da Perimetral /Av. Brasil	Av. Ns. de Copacabana, Av. Gen. Justo	21
	11-2	Vevd. da Perimetral /Av. Brasil	Av. Gen. San Martin / R. Visc. de Albuquerque		20

Direction 1



Direction 2

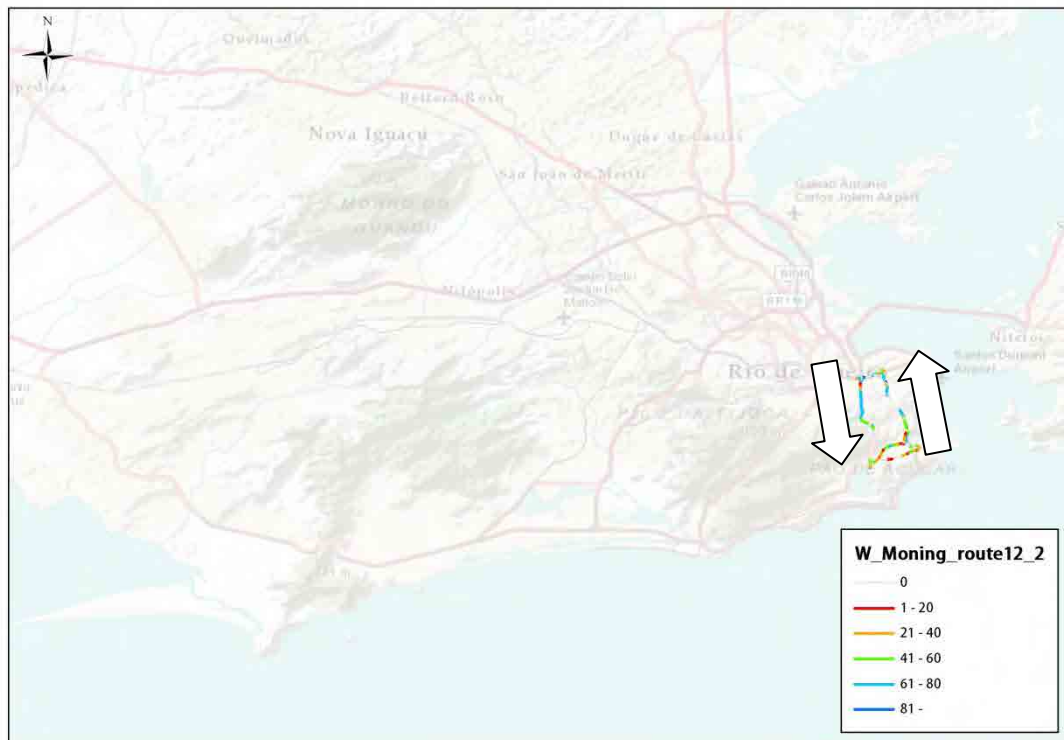


Route	Direction	Start	Goal	Main Road	Distance(km)
12	12-1	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Vevd. Eng. Freyssinet, Vevd. Eng. Noronha	15
	12-2	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto		18

Direction 1

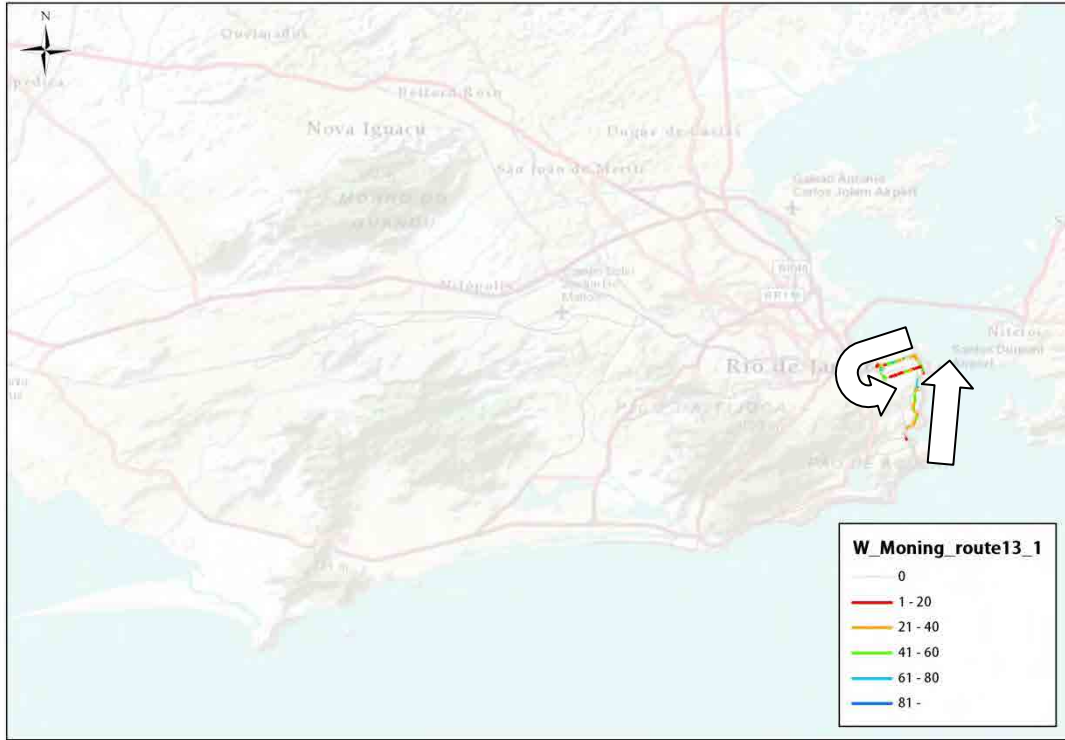


Direction 2

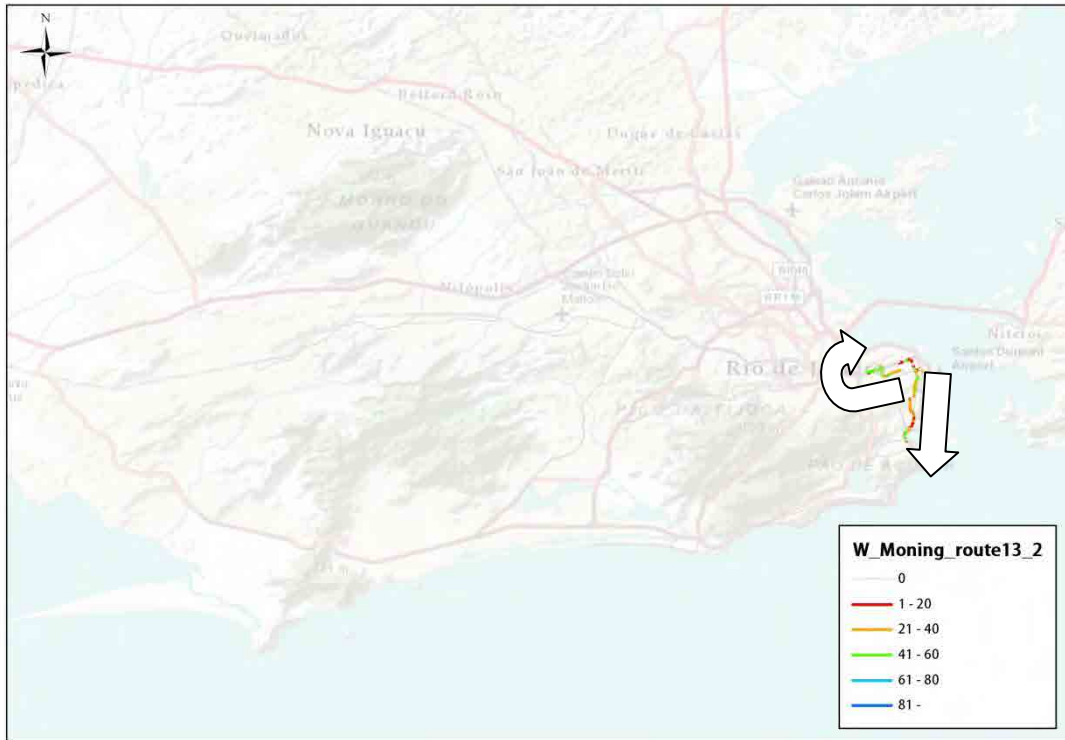


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do Catete	13

Direction 1

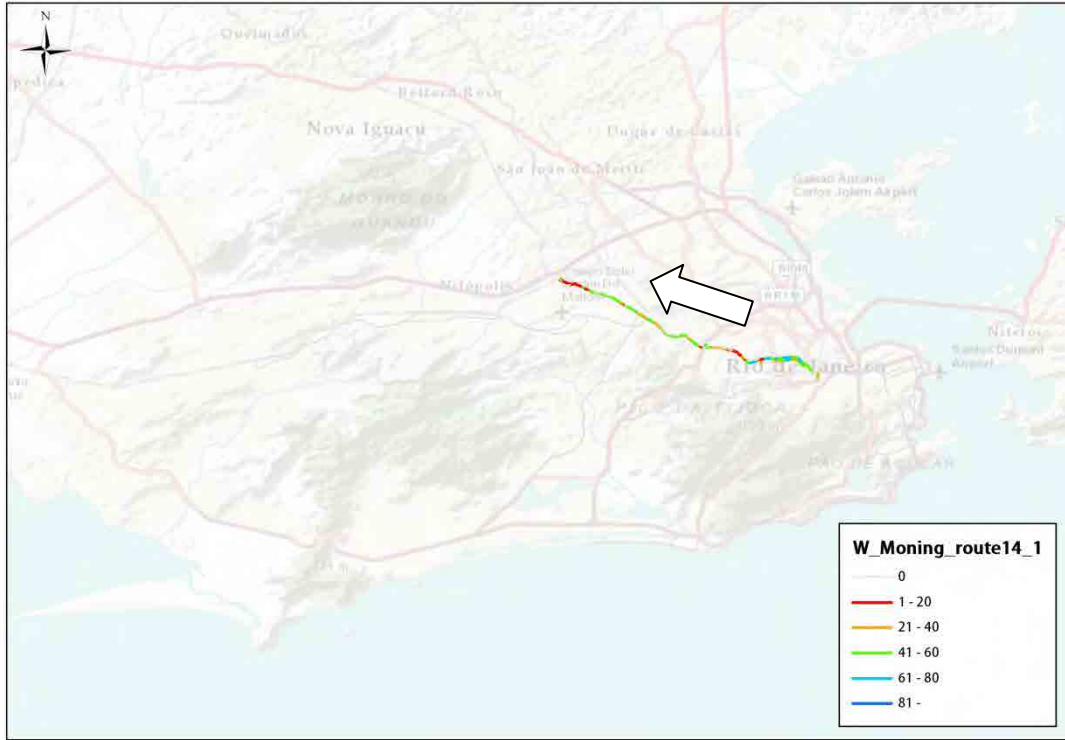


Direction 2

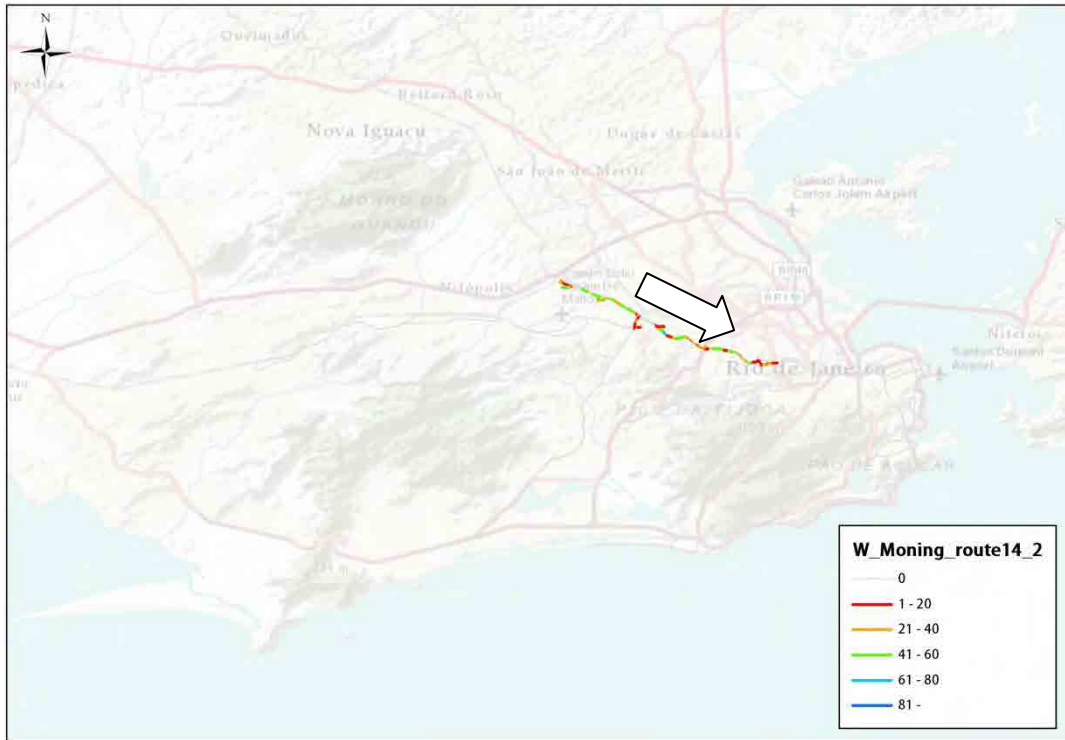


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1

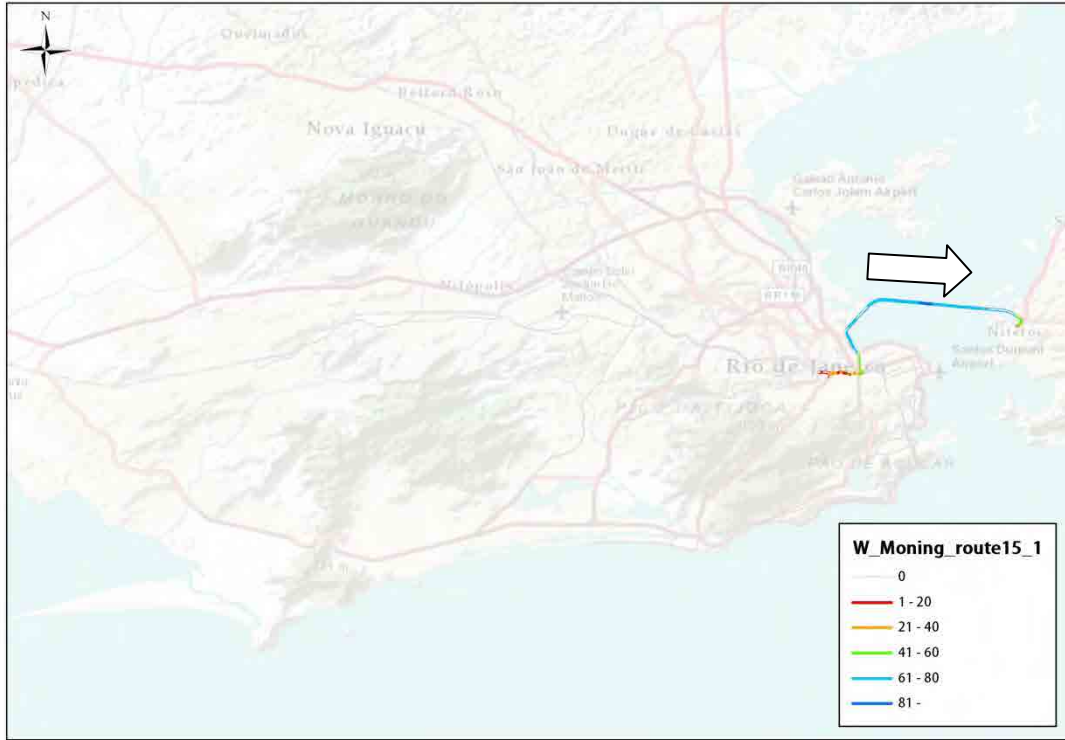


Direction 2

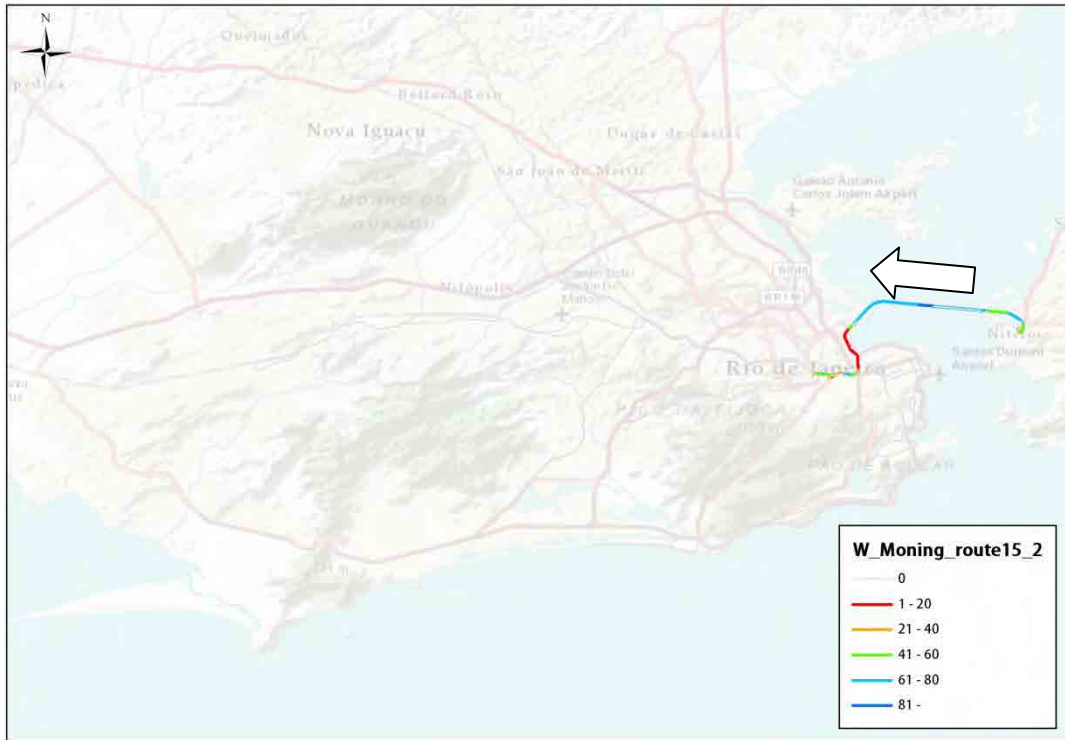


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



[Off Peak]

Route	Direction	Start	Goal	Main Road	Distance(km)
1	1-1	Cidade da Musica	Palácio das Exposições	Linha Amarela, Rio-Niteroi	30
	1-2	Palácio das Exposições	Cidade da Musica		31

Direction 1

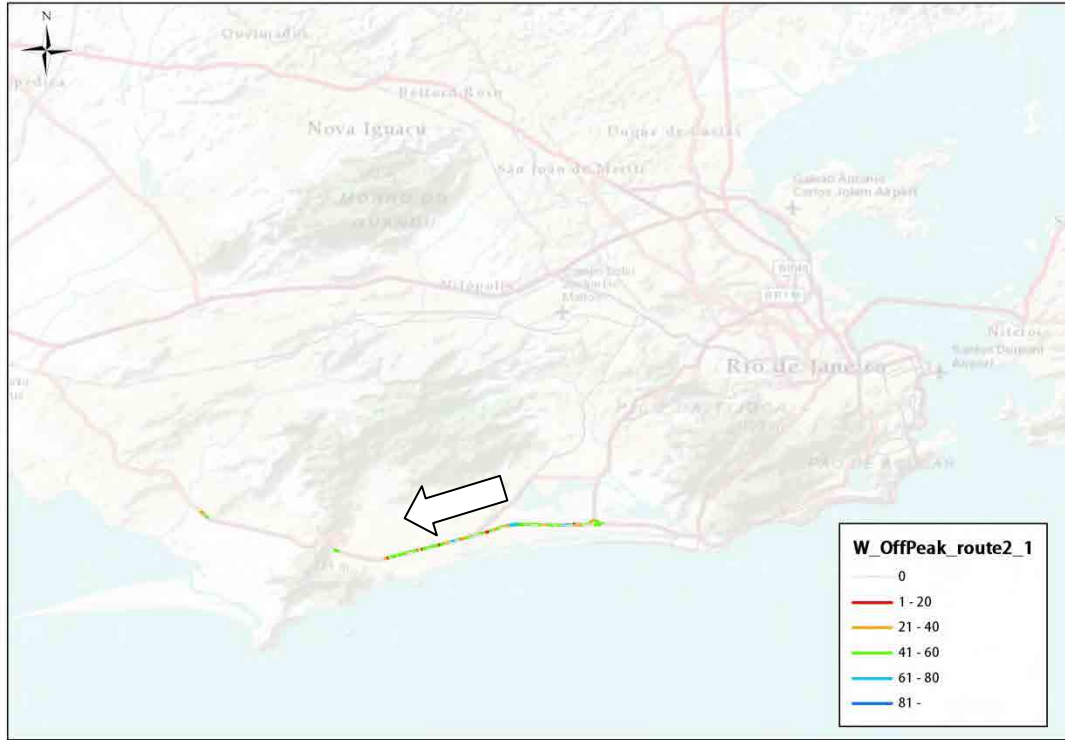


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28

Direction 1



Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
3	3-1	Av. da Brasil / Rod. Rio-santos	Av. da Brasil / Rod. Pres. Dutra	Av. Brasil	40
	3-2	Av. da Brasil / Rod. Pres. Dutra	Av. da Brasil / Rod. Rio-santos		39

Direction 1

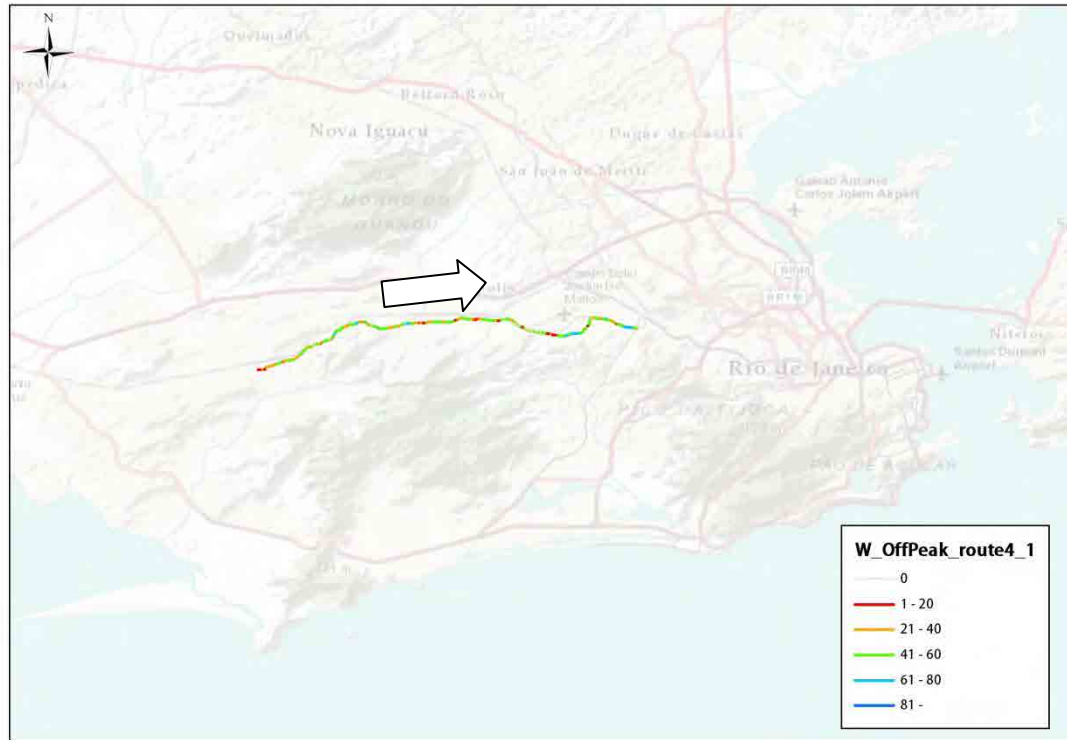


Direction 2

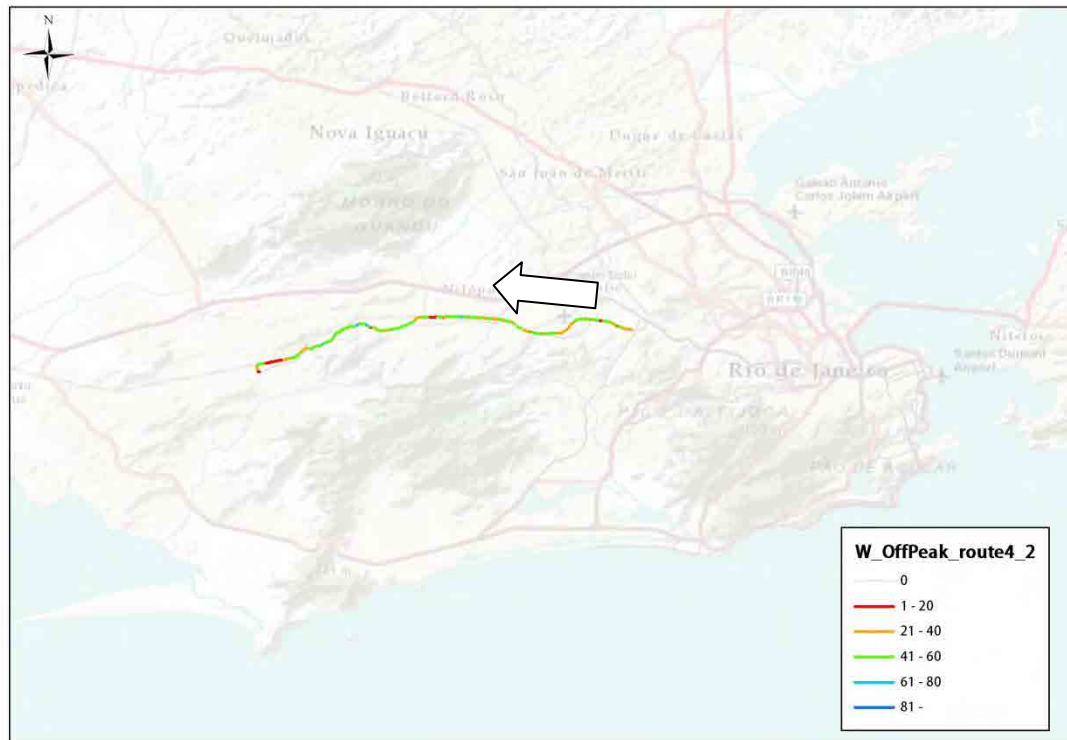


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

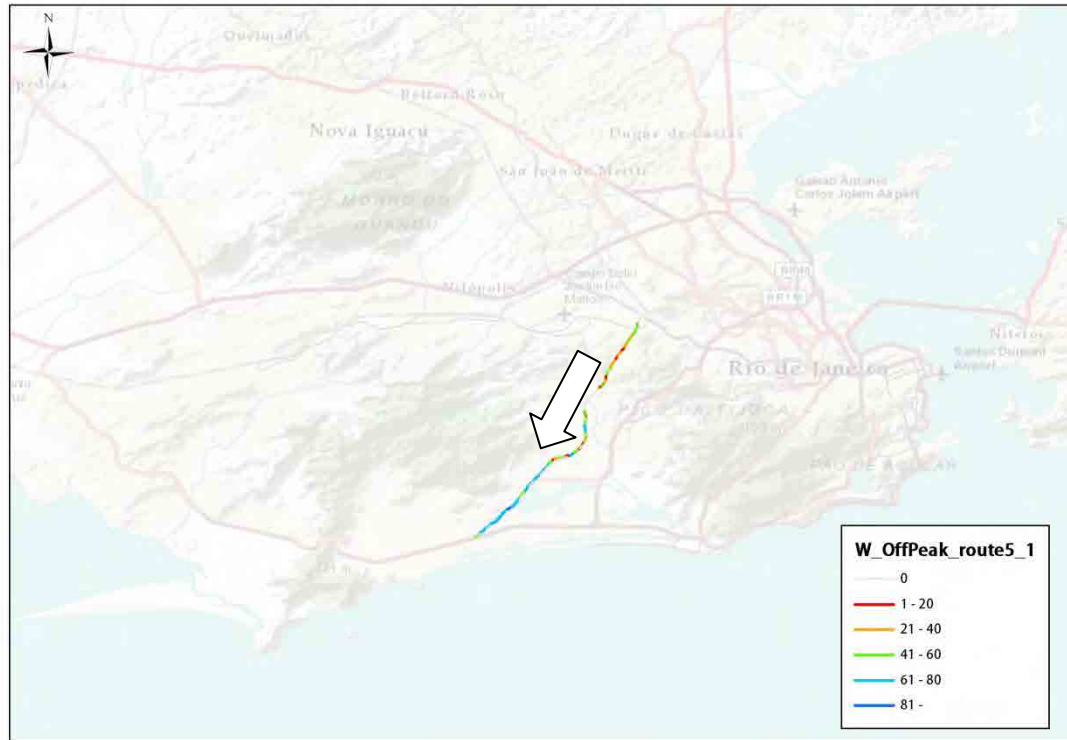


Direction 2

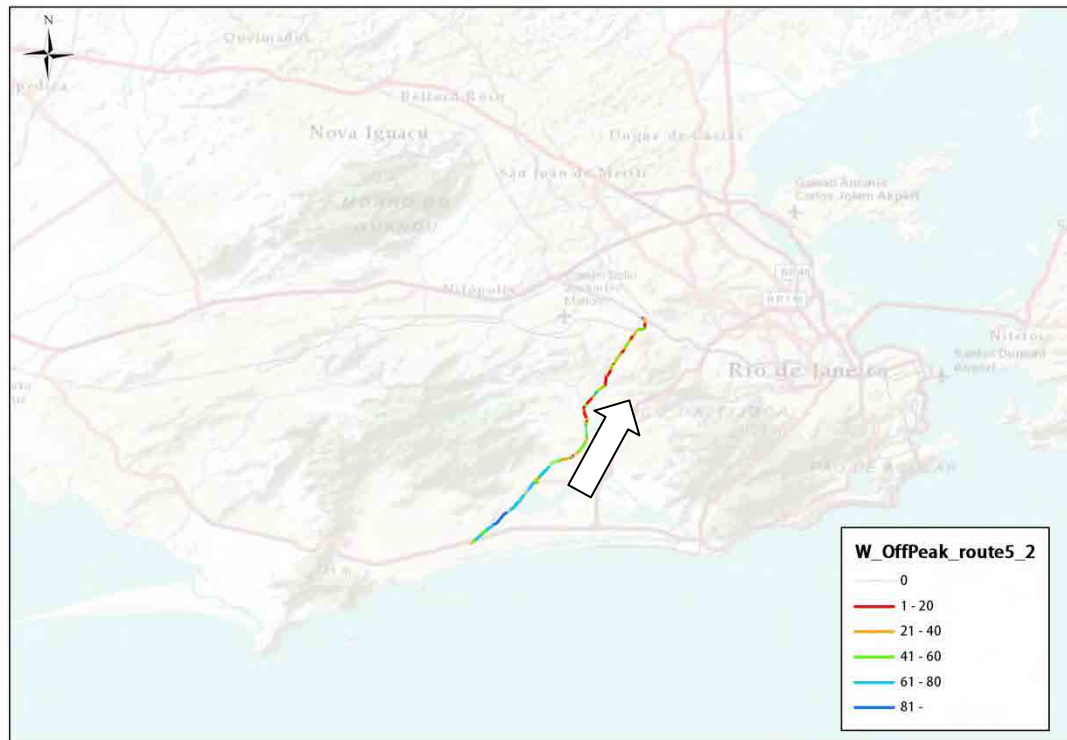


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

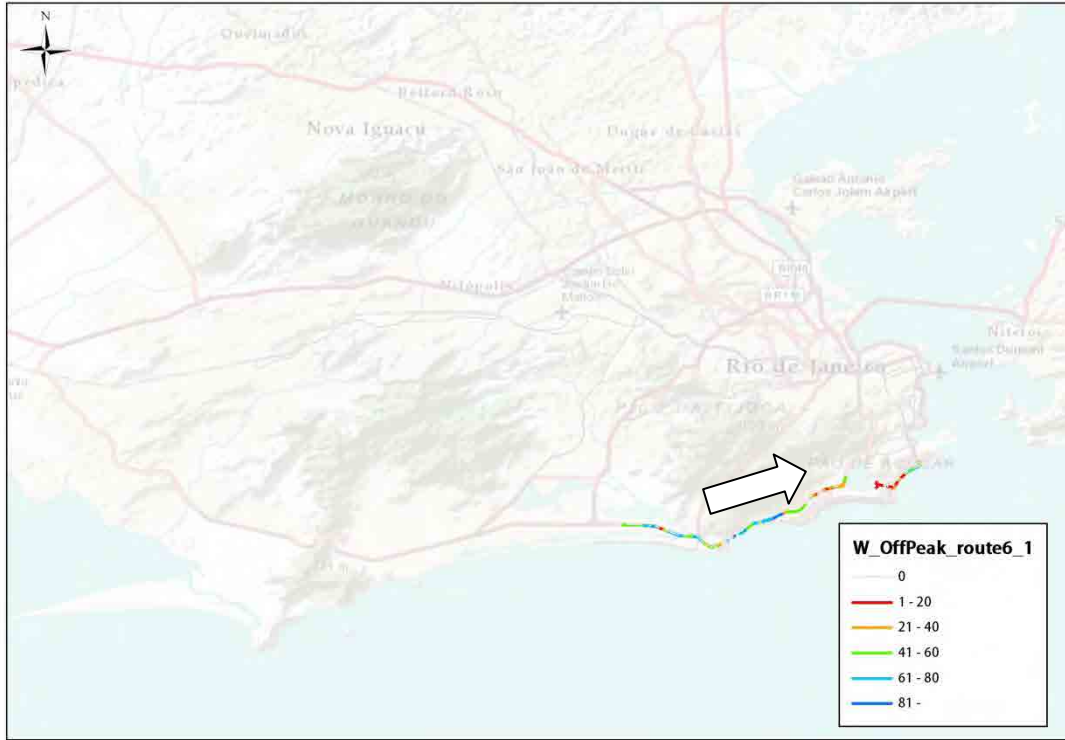


Direction 2

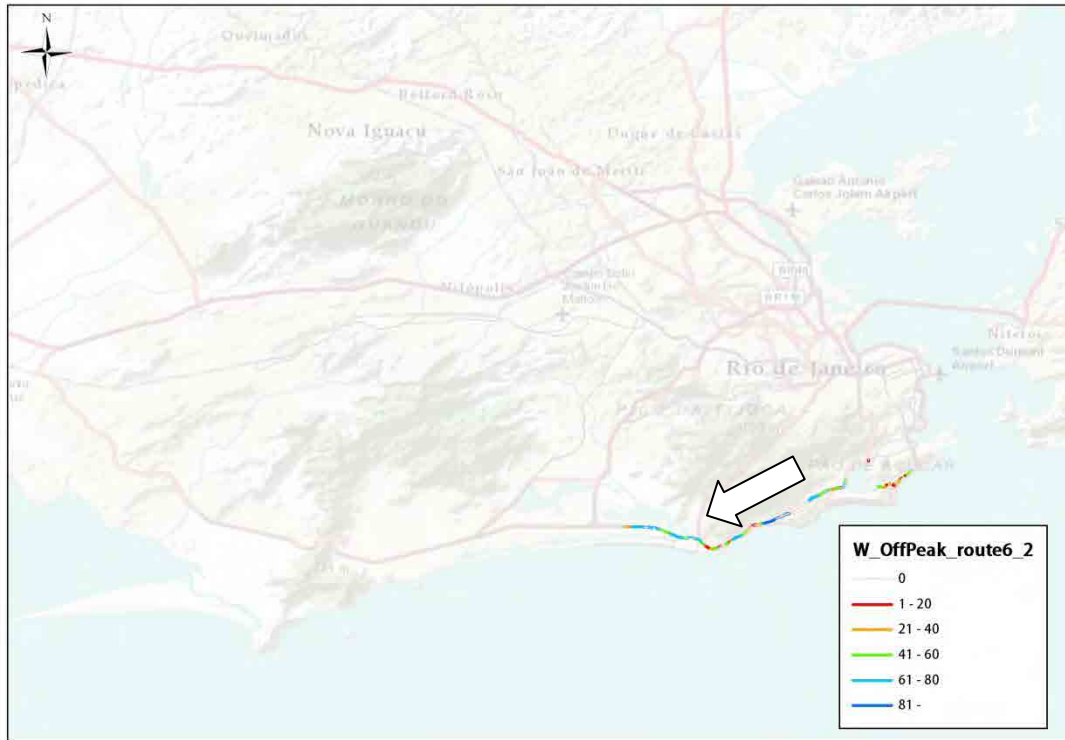


Route	Direction	Start	Goal	Main Road	Distance(km)
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22

Direction 1

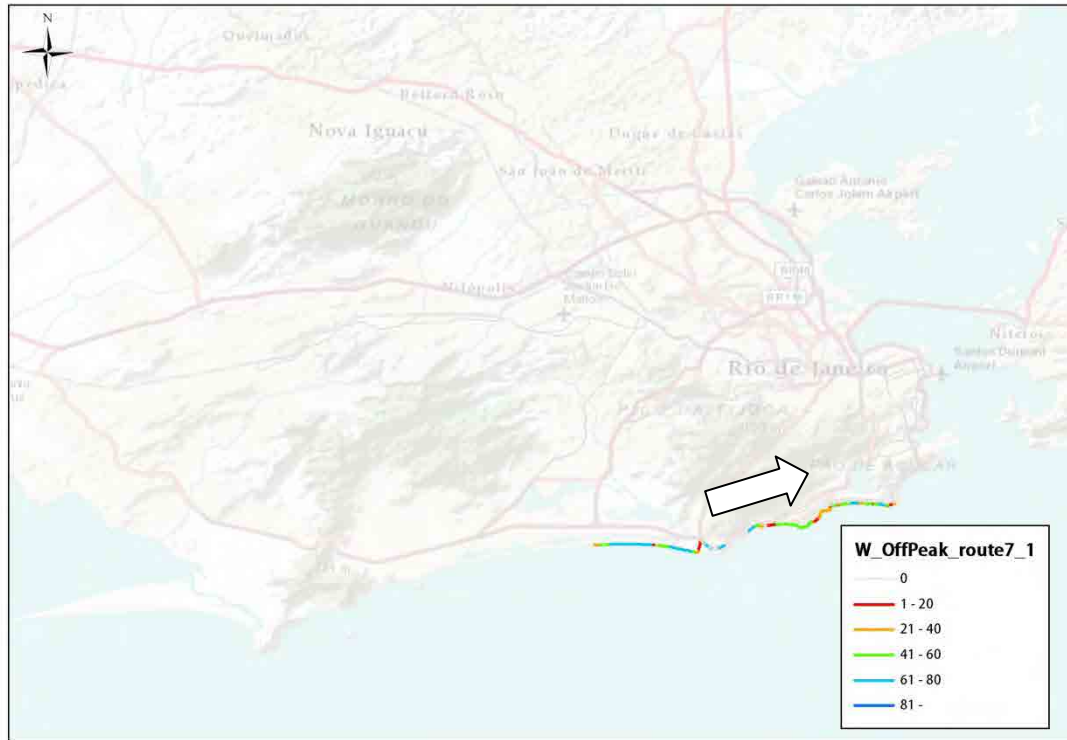


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
8	8-1	Around Maracana Stadium	Pte. Nova / Av. Amando Lombardi	Estr. Velha Tijuca	17
	8-2	Pte. Velha / Av. Amando Lombardi	Around Maracana Stadium		17

Direction 1



Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
9	9-1	Av. Geremário Dantas / Ln. Amarela	Around Maracana Stadium	Av. Menezes Cortes	15
	9-2	Around Maracana Stadium	Av. Geremário Dantas / Ln. Amarela		15

Direction 1

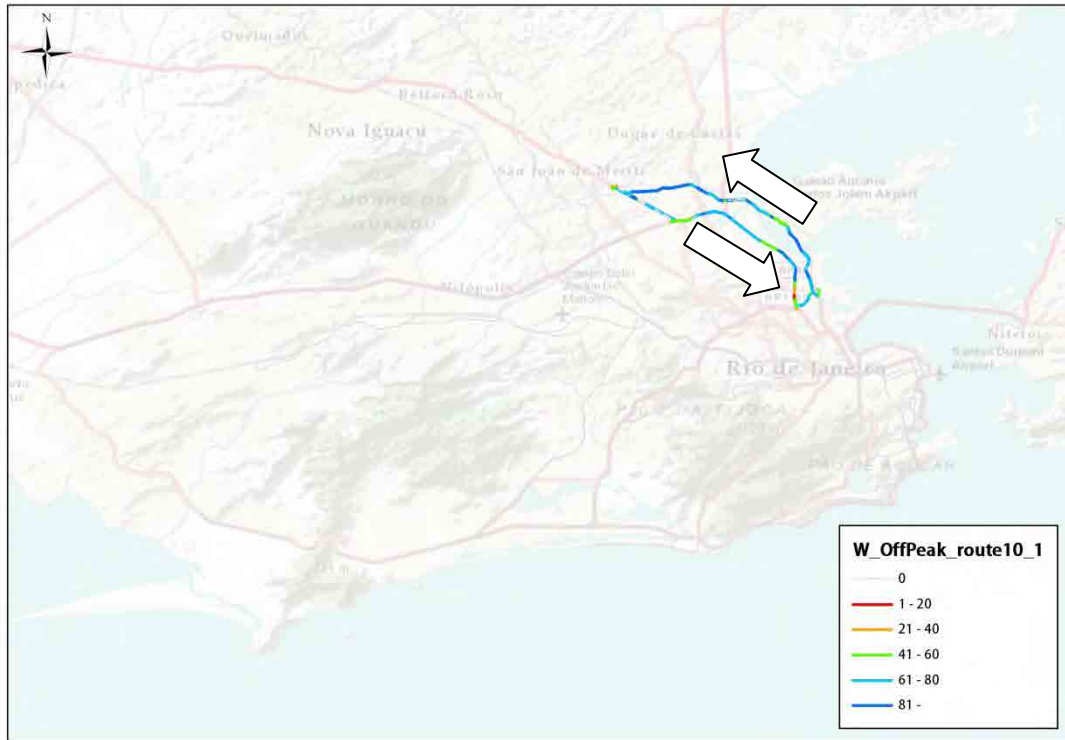


Direction 2



Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1



Direction 2

