

# **RELATÓRIO DE PESQUISAS**

## **CONTAGEM VOLUMÉTRICA CLASSIFICADA EM CRUZAMENTOS (15)**

**417 - Av. Independência X R. Adolfo Mantovani**

**Ref.: RT-4378-01-200-3J21-417\_A**



**Ribeirão Preto - SP**

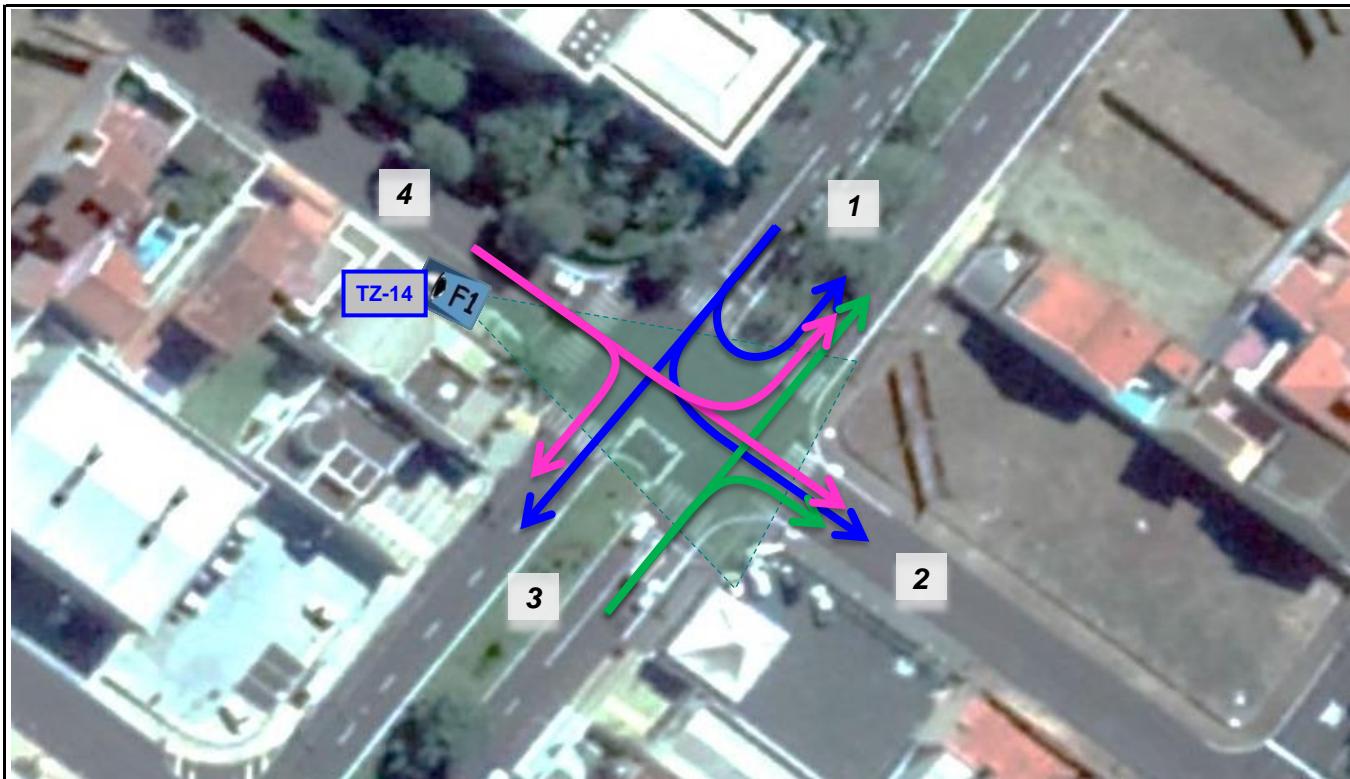
**Dezembro de 2018**

Responsável Técnico:

Fábio de Campos Bittencourt

CREA N°:

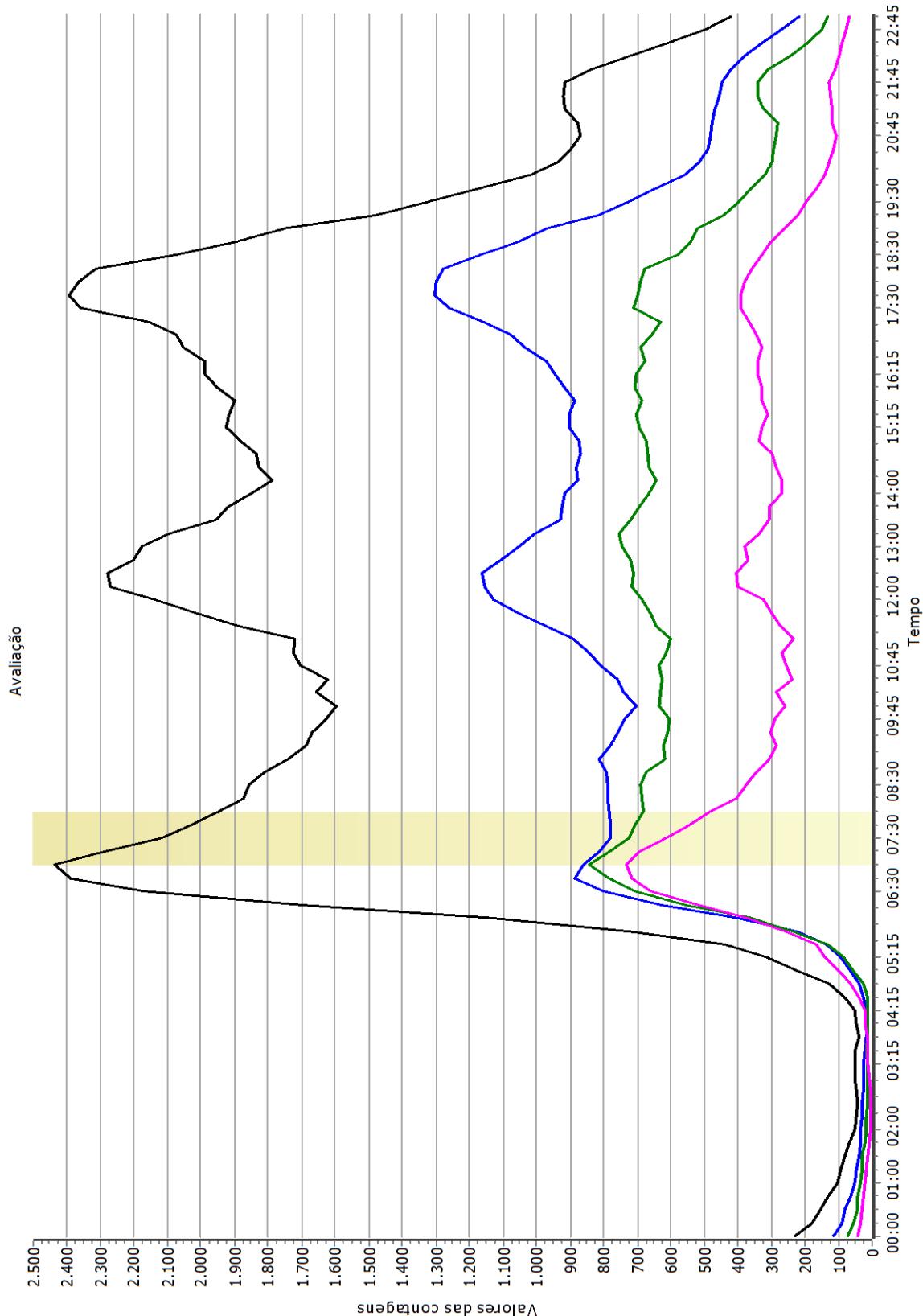
ART 28027230181266891

**Croquis****417 - Av. Independência X R. Adolfo Mantovani****Vídeos****Movimentos Contados**

- |       |   |
|-------|---|
| 1 > 1 | Av. Independência Retorno                         |
| 1 > 2 | Av. Independência conv à esq. R. Adolfo Mantovani |
| 1 > 3 | Av. Independência em frente                       |
| 3 > 1 | Av. Independência em frente                       |
| 3 > 2 | Av. Independência conv à dir. R. Adolfo Mantovani |
| 4 > 1 | R. Adolfo Mantovani conv à esq. Av. Independência |
| 4 > 2 | R. Adolfo Mantovani em frente                     |
| 4 > 3 | R. Adolfo Mantovani conv à dir. Av. Independência |

## Perfil Horário 417 - Av. Independência X R. Adolfo Mantovani

PCU  
perna 1 PCU  
perna 3 PCU  
perna 4 PCU



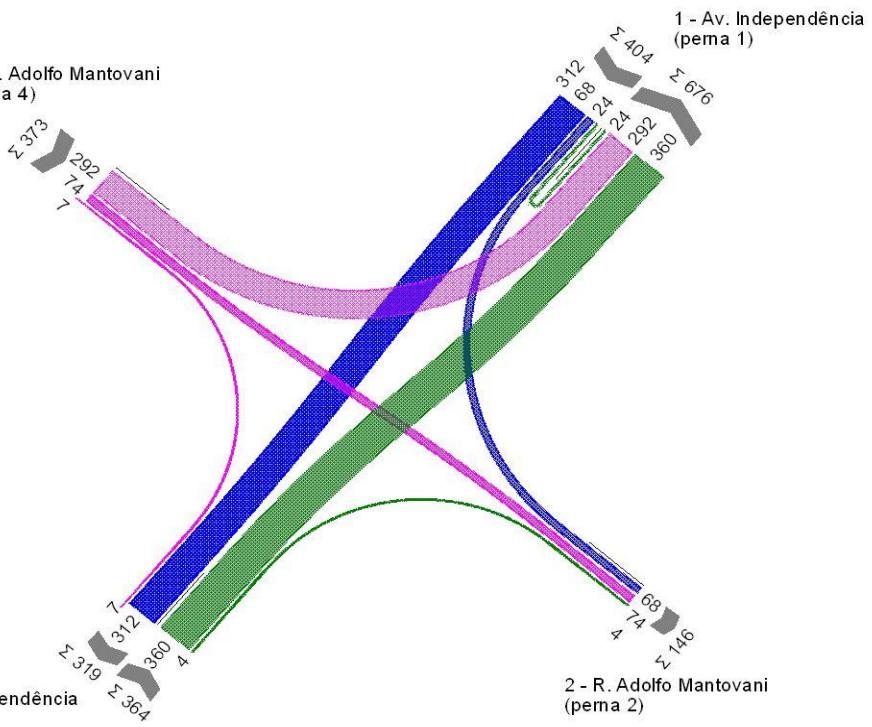
**Diagrama de Fluxos****417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 06:00 - 07:00  
 On the basis of a time period 24.10.2018 06:00 - 24.10.2018 07:00  
 1141 PCU

De \ Para	1	2	3	4
1	24	68	312	
2				
3	360	4		
4	292	74	7	

Legend:  
 █ 20  
 █ 100  
 █ 300

4 - R. Adolfo Mantovani (perna 4)

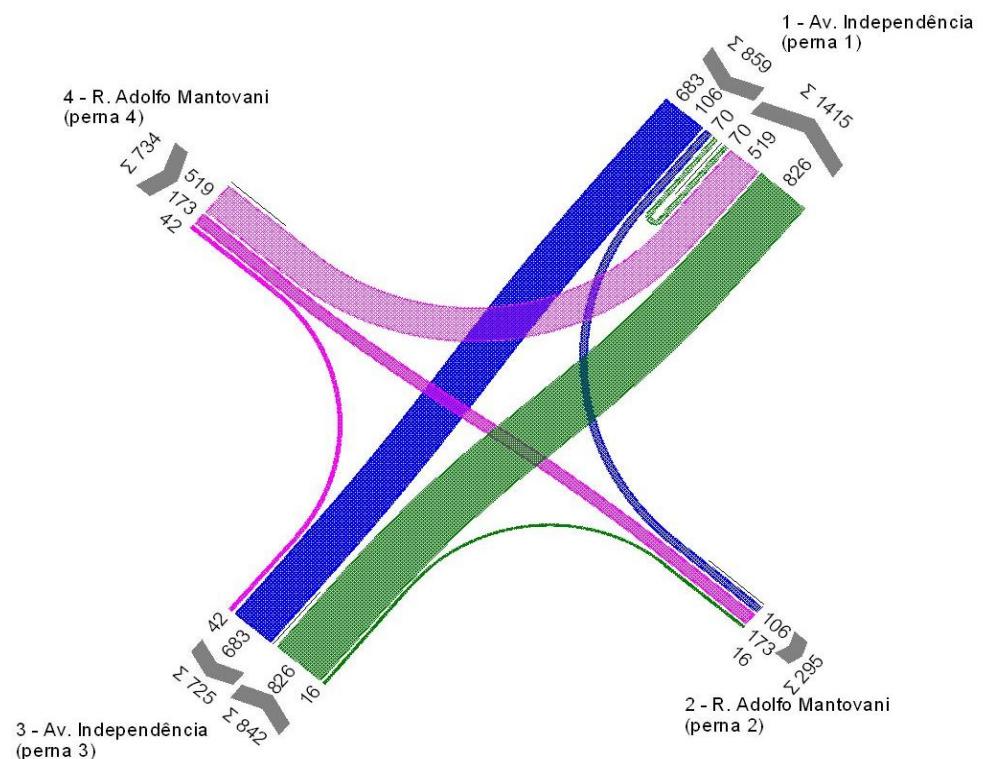


Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 07:00 - 08:00  
 On the basis of a time period 24.10.2018 07:00 - 24.10.2018 08:00  
 2435 PCU

De \ Para	1	2	3	4
1	70	106	683	
2				
3	826	16		
4	519	173	42	

Legend:  
 █ 20  
 █ 100  
 █ 800

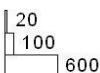
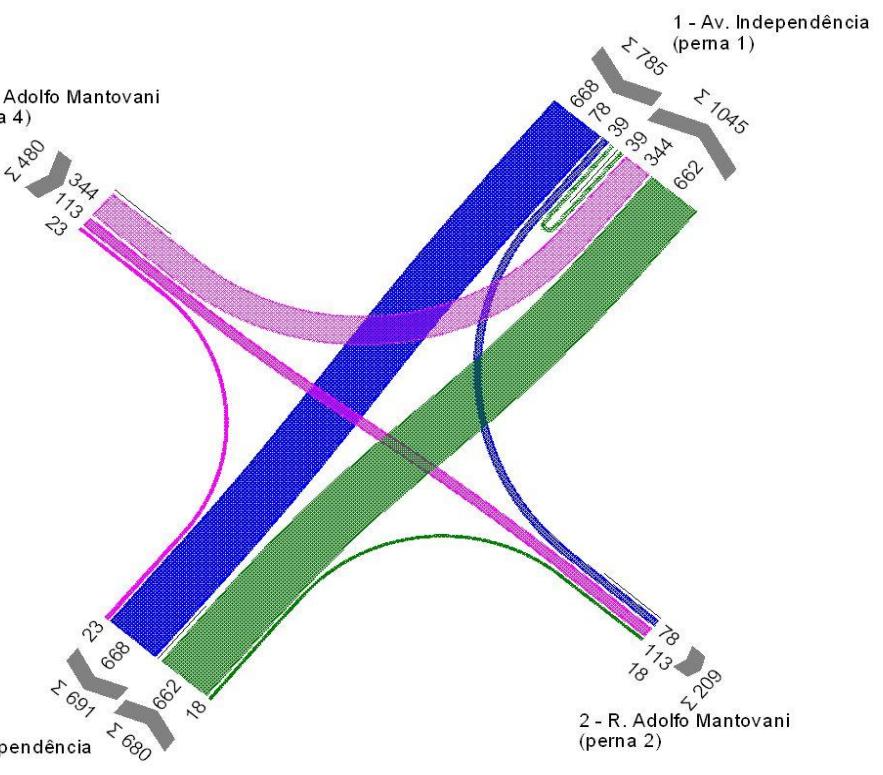
4 - R. Adolfo Mantovani (perna 4)



**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

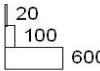
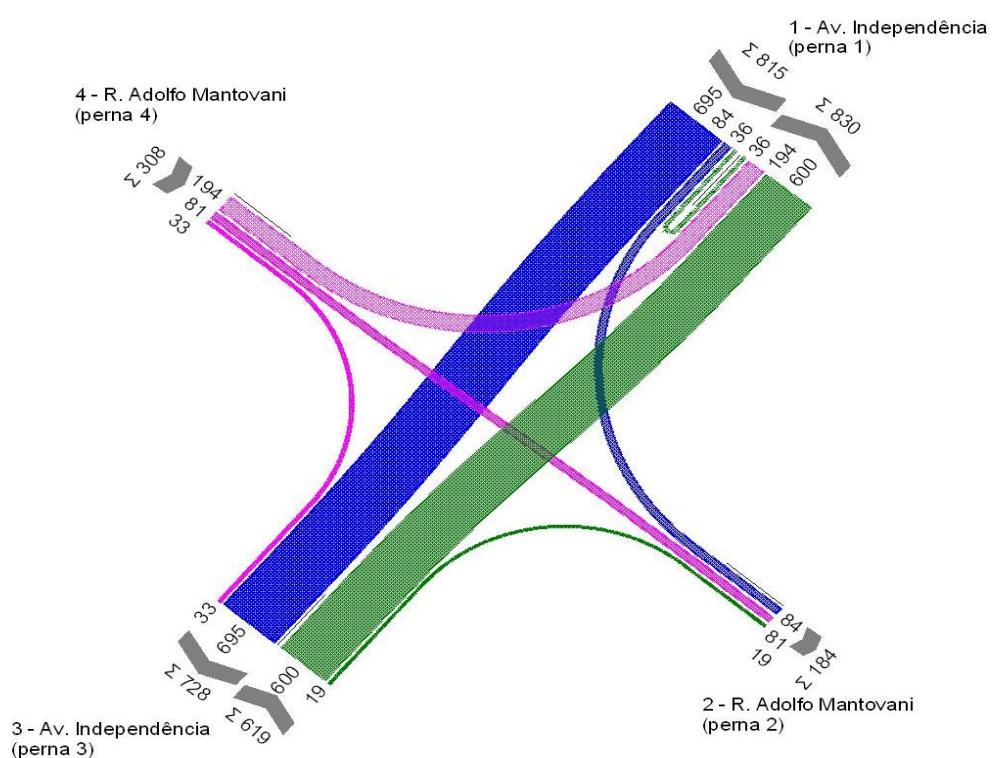
Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 08:00 - 09:00  
 On the basis of a time period 24.10.2018 08:00 - 24.10.2018 09:00  
 1945 PCU

De \ Para	1	2	3	4
1	39	78	668	
2				
3	662	18		
4	344	113	23	

4 - R. Adolfo Mantovani  
(perna 4)

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário maximo 09:00 - 10:00  
 On the basis of a time period 24.10.2018 09:00 - 24.10.2018 10:00  
 1742 PCU

De \ Para	1	2	3	4
1	36	84	695	
2				
3	600	19		
4	194	81	33	

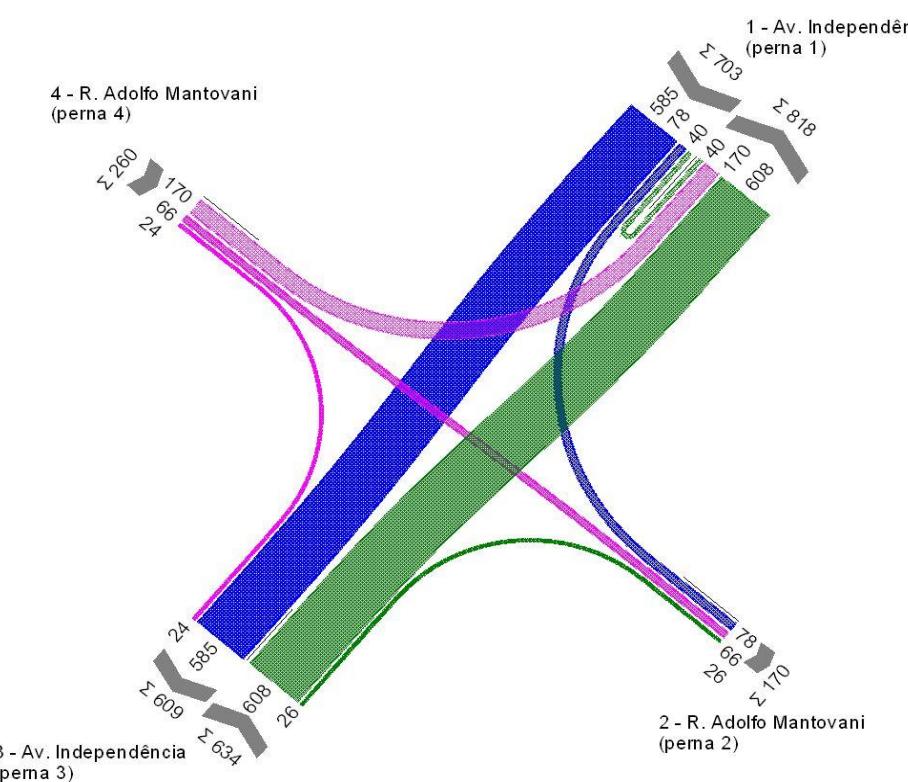
4 - R. Adolfo Mantovani  
(perna 4)

**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 10:00 - 11:00  
 On the basis of a time period 24.10.2018 10:00 - 24.10.2018 11:00  
 1597 PCU

De \ Para	1	2	3	4
1	40	78	585	
2				
3	608	26		
4	170	66	24	

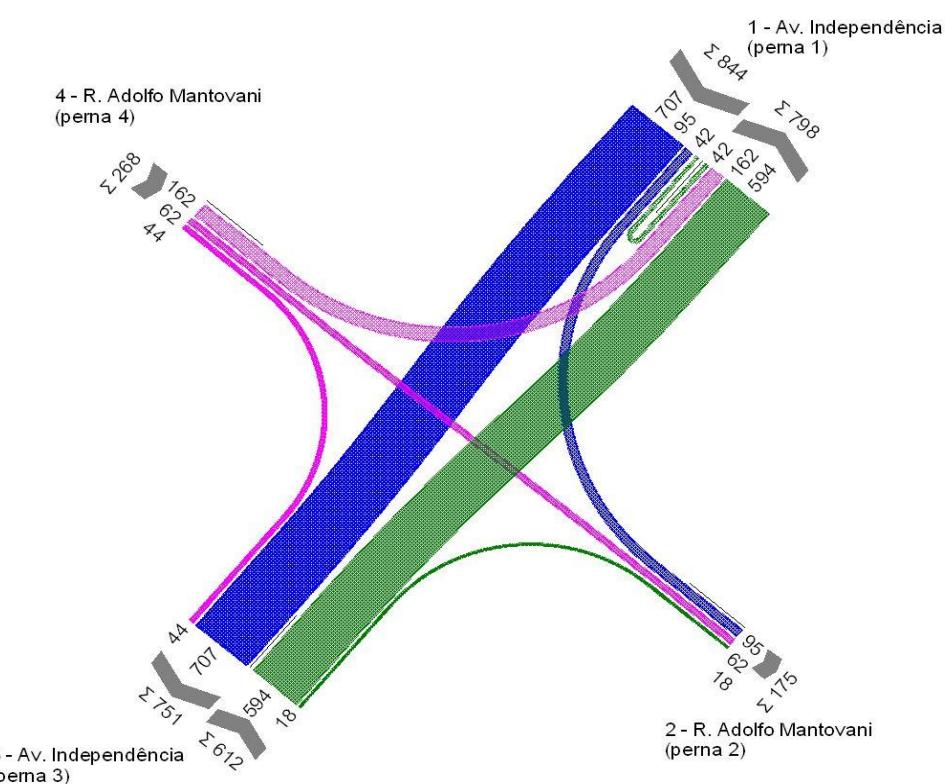
20  
 100  
 600



Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 11:00 - 12:00  
 On the basis of a time period 24.10.2018 11:00 - 24.10.2018 12:00  
 1724 PCU

De \ Para	1	2	3	4
1	42	95	707	
2				
3	594	18		
4	162	62	44	

20  
 100  
 700

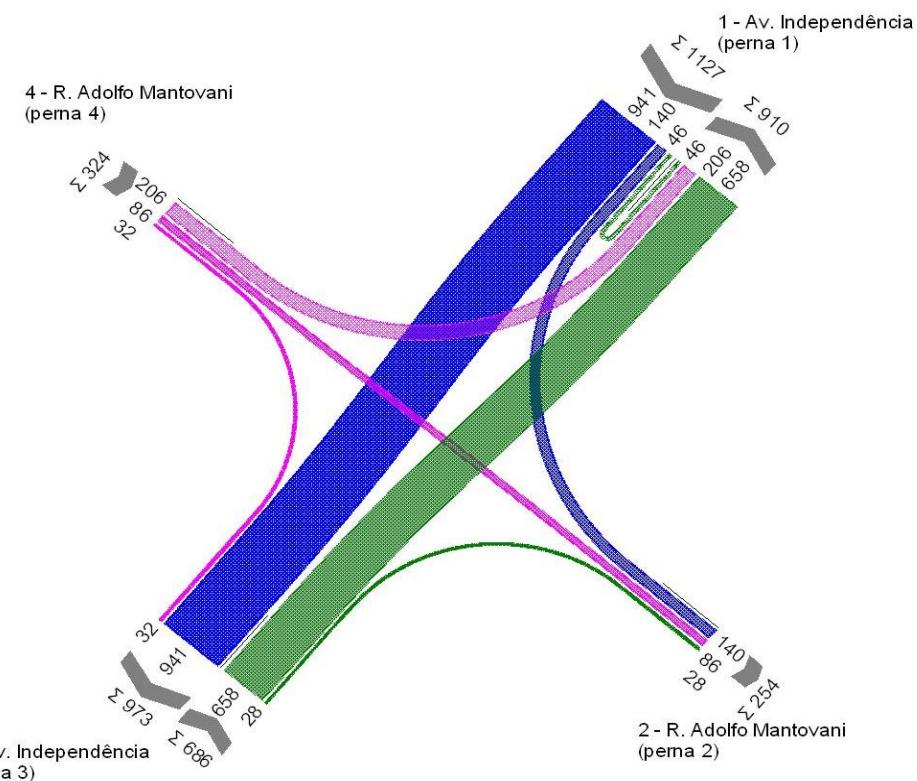


**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 12:00 - 13:00  
 On the basis of a time period 24.10.2018 12:00 - 24.10.2018 13:00  
 2137 PCU

De \ Para	1	2	3	4
1	46	140	941	
2				
3	658	28		
4	206	86	32	

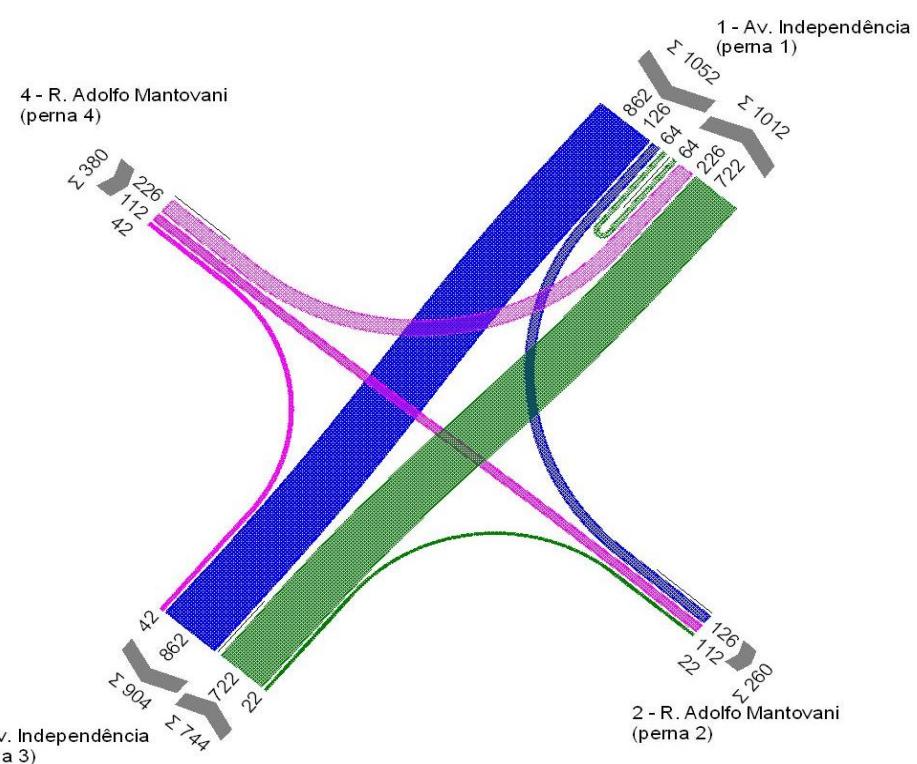
20  
 100  
 900



Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 13:00 - 14:00  
 On the basis of a time period 24.10.2018 13:00 - 24.10.2018 14:00  
 2176 PCU

De \ Para	1	2	3	4
1	64	126	862	
2				
3	722	22		
4	226	112	42	

20  
 100  
 800

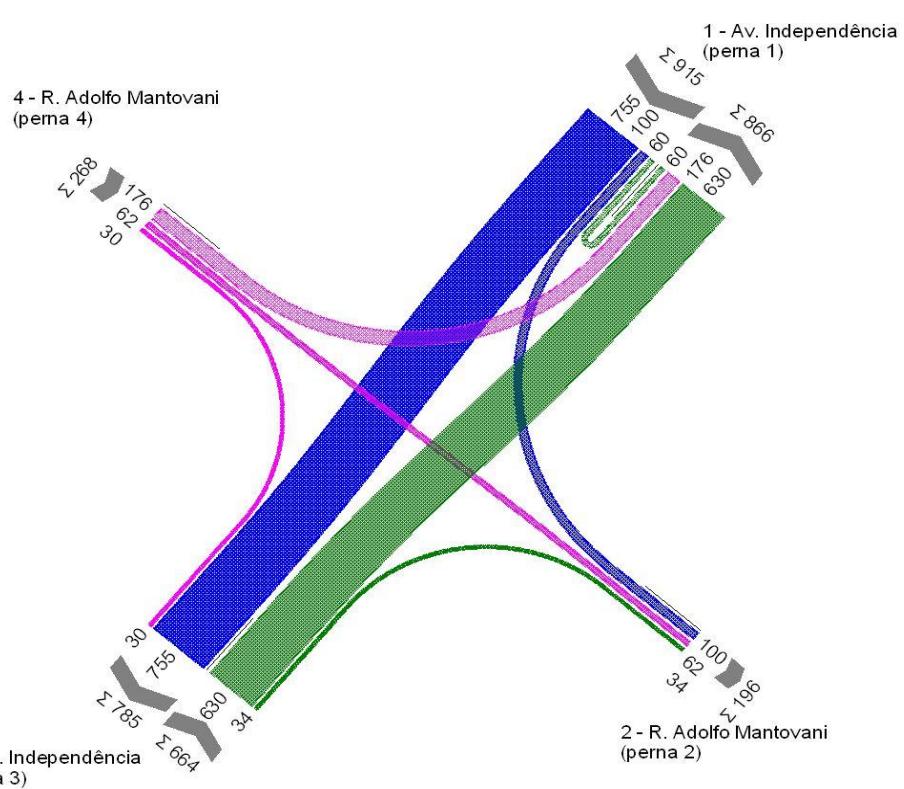


**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 14:00 - 15:00  
 On the basis of a time period 24.10.2018 14:00 - 24.10.2018 15:00  
 1847 PCU

De \ Para	1	2	3	4
1	60	100	755	
2				
3	630	34		
4	176	62	30	

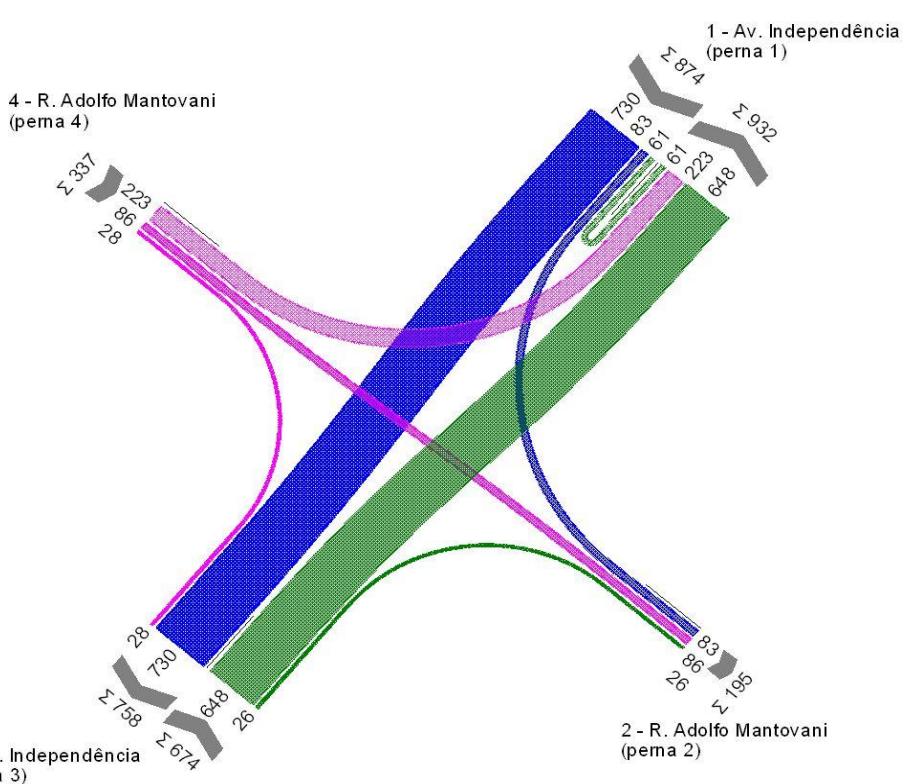
20  
 100  
 700



Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário maximo 15:00 - 16:00  
 On the basis of a time period 24.10.2018 15:00 - 24.10.2018 16:00  
 1885 PCU

De \ Para	1	2	3	4
1	61	83	730	
2				
3	648	26		
4	223	86	28	

20  
 100  
 700

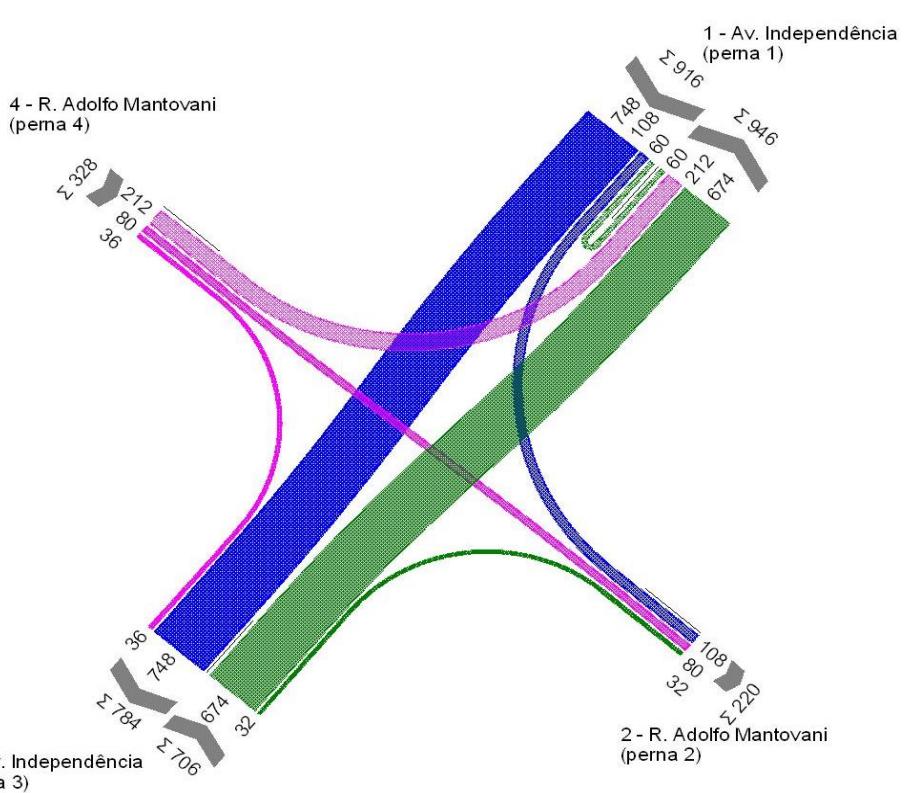


**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário maximo 16:00 - 17:00  
 On the basis of a time period 24.10.2018 16:00 - 24.10.2018 17:00  
 1950 PCU

De \ Para	1	2	3	4
1	60	108	748	
2				
3	674	32		
4	212	80	36	

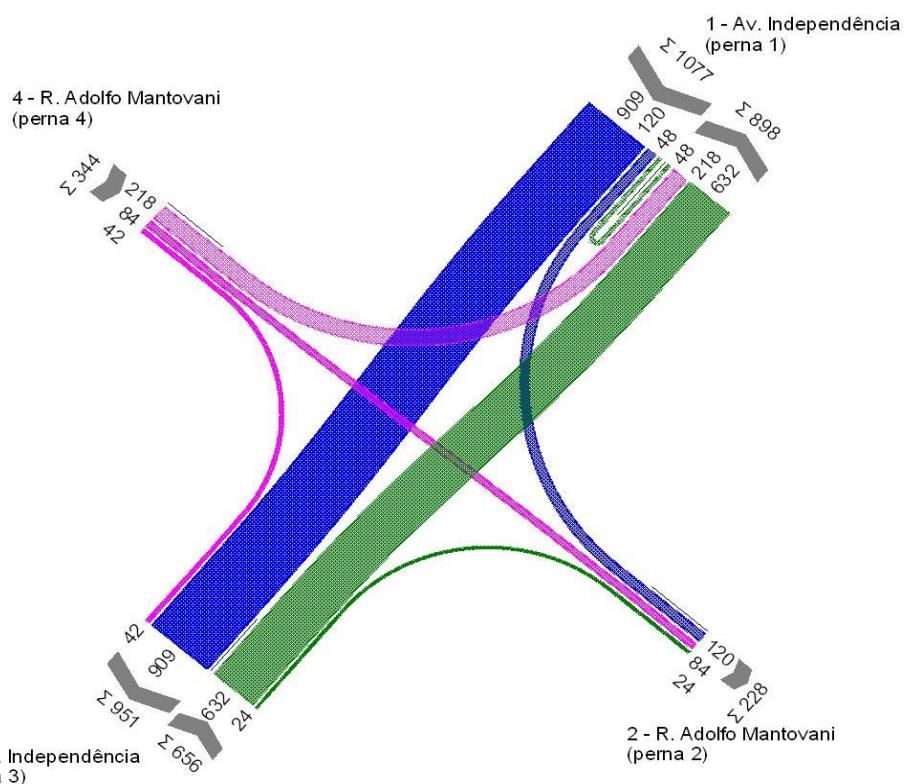
20  
 100  
 700



Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 17:00 - 18:00  
 On the basis of a time period 24.10.2018 17:00 - 24.10.2018 18:00  
 2077 PCU

De \ Para	1	2	3	4
1	48	120	909	
2				
3	632	24		
4	218	84	42	

20  
 100  
 900

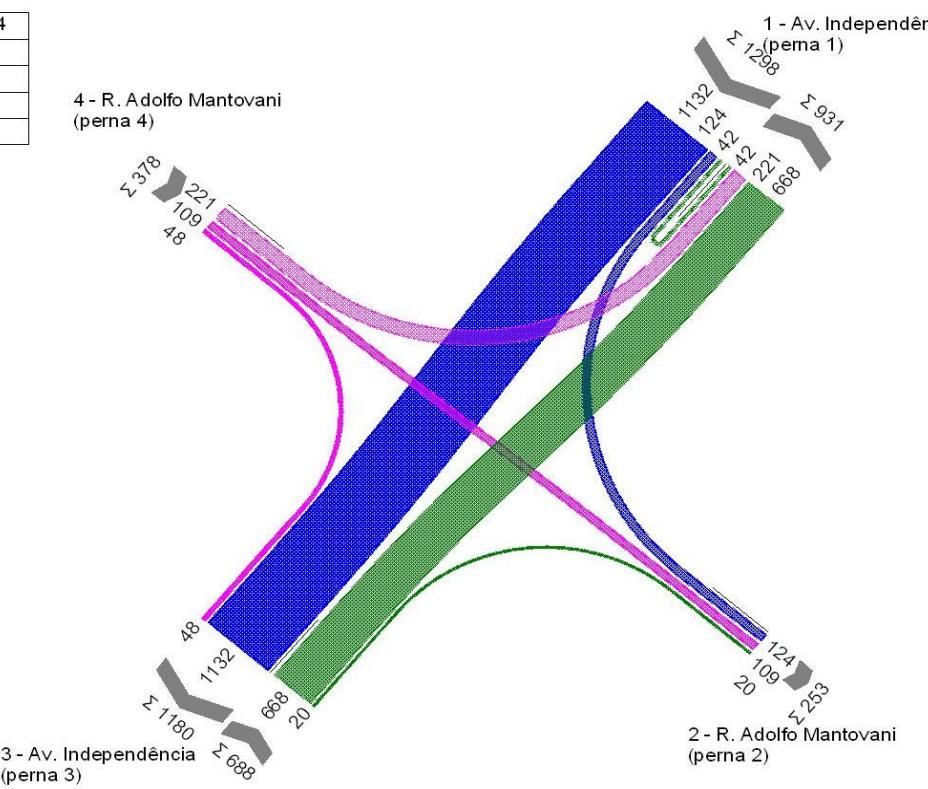


**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário maximo 18:00 - 19:00  
 On the basis of a time period 24.10.2018 18:00 - 24.10.2018 19:00  
 2364 PCU

De \Para	1	2	3	4
1	42	124	1132	
2				
3	668	20		
4	221	109	48	

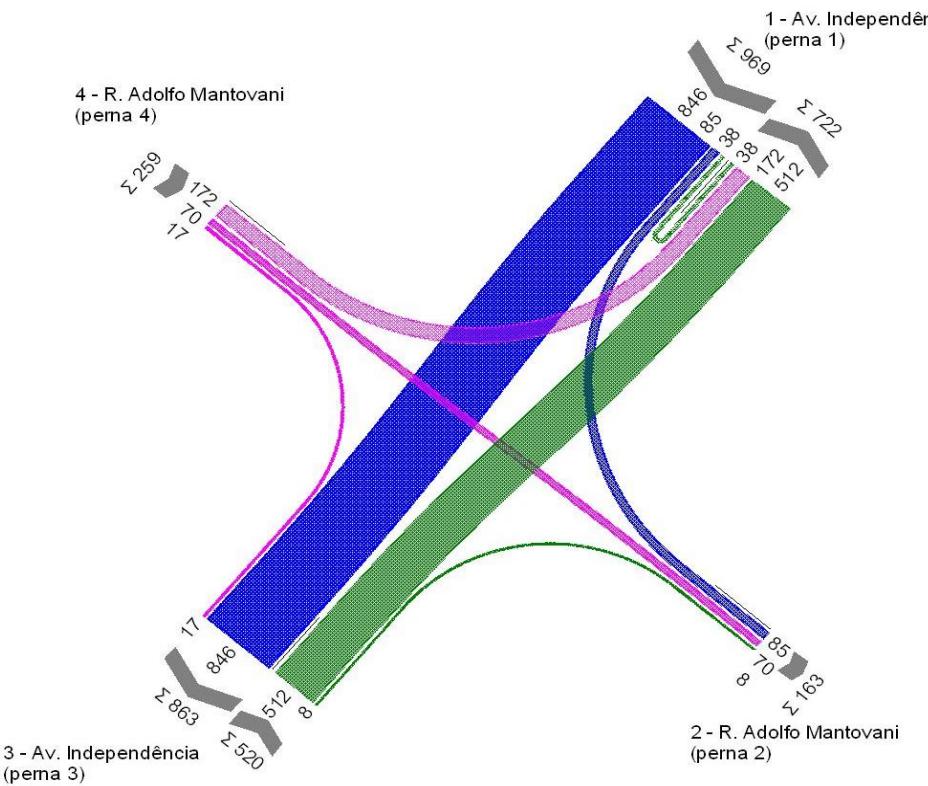
■ 100  
 □ 500  
 ▨ 1000



Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário maximo 19:00 - 20:00  
 On the basis of a time period 24.10.2018 19:00 - 24.10.2018 20:00  
 1748 PCU

De \Para	1	2	3	4
1	38	85	846	
2				
3	512	8		
4	172	70	17	

■ 20  
 □ 100  
 ▨ 800

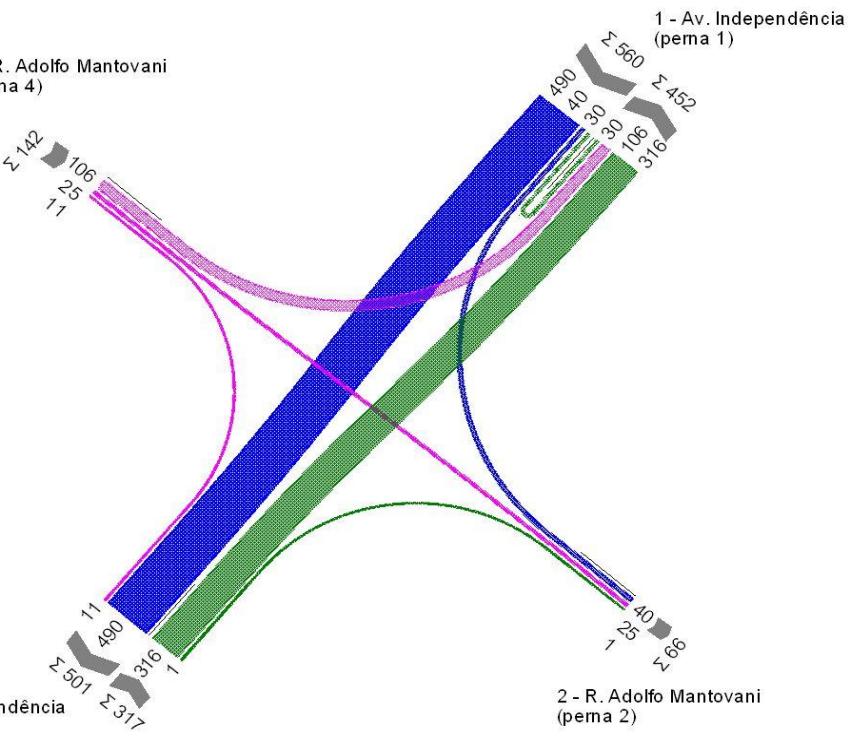


**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 20:00 - 21:00  
 On the basis of a time period 24.10.2018 20:00 - 24.10.2018 21:00  
 1019 PCU

De \ Para	1	2	3	4
1	30	40	490	
2				
3	316	1		
4	106	25	11	

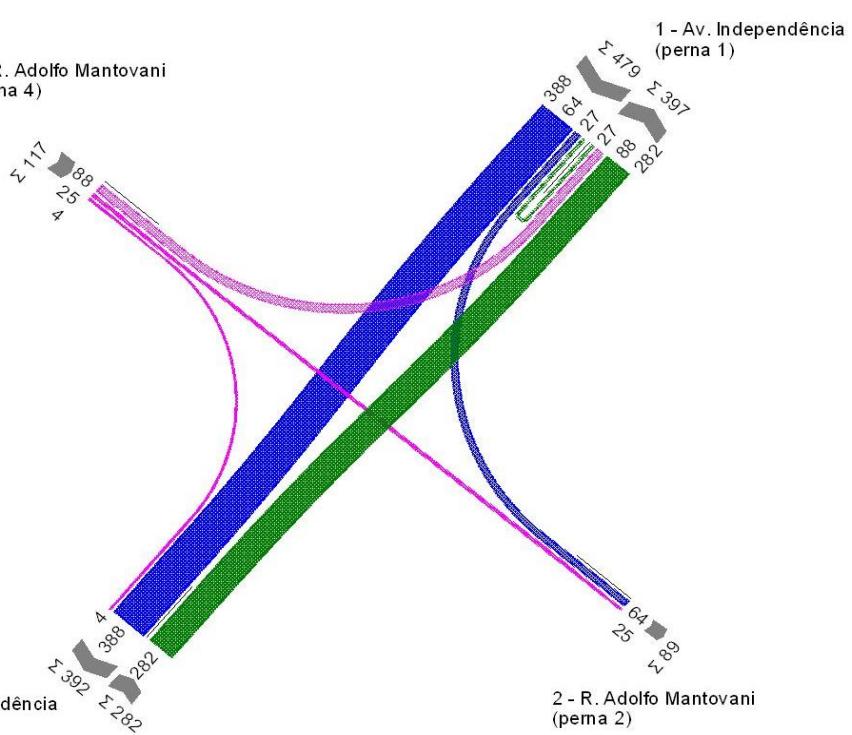
20  
100  
400

4 - R. Adolfo Mantovani  
(perna 4)

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00  
 Valor horário máximo 21:00 - 22:00  
 On the basis of a time period 24.10.2018 21:00 - 24.10.2018 22:00  
 878 PCU

De \ Para	1	2	3	4
1	27	64	388	
2				
3	282			
4	88	25	4	

20  
100  
300

4 - R. Adolfo Mantovani  
(perna 4)

**Diagrama de Fluxos 417 - Av. Independência X R. Adolfo Mantovani**

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00\_

Valor horário máximo 22:00 - 23:00

On the basis of a time period 24.10.2018 22:00 - 24.10.2018 23:00

840 PCU

De \ Para	1	2	3	4
1	31	34	356	
2				
3	310			
4	67	34	8	

4 - R. Adolfo Mantovani  
(perna 4)1 - Av. Independência  
(perna 1)356  
34  
31  
67  
310421  
40820  
100  
3003 - Av. Independência  
(perna 3)2 - R. Adolfo Mantovani  
(perna 2)

Contagem De 24/10/2018 as 20h00 até 25/10/2018 as 20h00\_

Valor horário máximo 23:00 - 00:00

On the basis of a time period 24.10.2018 23:00 - 25.10.2018 00:00

420 PCU

De \ Para	1	2	3	4
1	14	26	178	
2				
3	134			
4	50	14	4	

4 - R. Adolfo Mantovani  
(perna 4)1 - Av. Independência  
(perna 1)178  
26  
14  
50  
134218  
1983 - Av. Independência  
(perna 3)2 - R. Adolfo Mantovani  
(perna 2)40  
26  
14178  
134

PCU

417 - Av. Independência X R. Adolfo Mantovani

Nas tabelas de contagem de fluxo veicular a seguir são apresentadas a classificação pelos tipos de veículos como automóvel (**Car**), moto (**Moto**), ônibus (**Bus**) e caminhão (**Truck**).

Neste mesmo quadro estão representadas as contagens dos movimentos a cada 15 minutos e por hora, onde no final de cada quadro existem duas colunas que são identificadas pelas siglas **VEC** e **PCU**.

A sigla **VEC** é a somatória direta de todos os veículos contados sem fator de equivalência. A sigla **PCU**, significa Passenger Car Unit ou mais conhecido como veículos equivalentes, representa a somatória dos veículos com seus respectivos fatores de equivalência, sendo adotados conforme sugestão do manual HCM – High Capacity Manual, os seguintes valores:

- **Automóvel** = 1,0 veículo equivalente
- **Moto** = 0,5 veículo equivalente
- **Caminhão** = 2,5 veículos equivalentes
- **Ônibus** = 2,0 veículos equivalentes

Por exemplo: Na contagem de 1 automóvel, 1 moto, 1 ônibus e 1 caminhão temos como resultado 4 (quatro) **VEC** e 6 (seis) **PCU**, ou seja, 4 (quatro) veículos contados com a consideração dos fatores de equivalência, resultam em 6 (seis) veículos de passeio.

Obs.: Nas tabelas de fluxos veiculares, quando a somatória não resulta em número inteiro o mesmo será arredondado p/ cima.

**Movimentos Contados****1 > 1      Av. Independência Retorno****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	7	1	0	0	0	8	8
1:00	2:00	2	1	0	0	0	3	3
2:00	3:00	2	0	0	0	0	2	2
3:00	4:00	1	0	0	0	0	1	1
4:00	5:00	0	0	0	0	0	0	0
5:00	6:00	2	0	0	0	0	2	2
6:00	7:00	21	0	1	0	0	24	22
7:00	8:00	68	4	0	0	0	70	72
8:00	9:00	36	6	0	0	0	39	42
9:00	10:00	33	5	0	0	0	36	38
10:00	11:00	32	5	2	0	0	40	39
11:00	12:00	38	9	0	0	0	43	47

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	42	8	0	0	0	46	50
13:00	14:00	63	3	0	0	0	65	66
14:00	15:00	55	1	2	0	0	61	58
15:00	16:00	59	4	0	0	0	61	63
16:00	17:00	57	6	0	0	0	60	63
17:00	18:00	45	5	0	0	0	48	50
18:00	19:00	39	5	0	0	0	42	44
19:00	20:00	33	4	1	0	0	38	38
20:00	21:00	28	3	0	0	0	30	31
21:00	22:00	26	2	0	0	0	27	28
22:00	23:00	29	4	0	0	0	31	33
23:00	0:00	13	2	0	0	0	14	15

**Movimento Contado****1 > 1 Av. Independência Retorno****Fluxo veicular a cada 15 minutos**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	3	1	0	0	0	4	4
0:15	0:30	1	0	0	0	0	1	1
0:30	0:45	3	0	0	0	0	3	3
0:45	1:00	0	0	0	0	0	0	0
1:00	1:15	2	0	0	0	0	2	2
1:15	1:30	0	1	0	0	0	1	1
1:30	1:45	0	0	0	0	0	0	0
1:45	2:00	0	0	0	0	0	0	0
2:00	2:15	2	0	0	0	0	2	2
2:15	2:30	0	0	0	0	0	0	0
2:30	2:45	0	0	0	0	0	0	0
2:45	3:00	0	0	0	0	0	0	0
3:00	3:15	0	0	0	0	0	0	0
3:15	3:30	0	0	0	0	0	0	0
3:30	3:45	1	0	0	0	0	1	1
3:45	4:00	0	0	0	0	0	0	0
4:00	4:15	0	0	0	0	0	0	0
4:15	4:30	0	0	0	0	0	0	0
4:30	4:45	0	0	0	0	0	0	0
4:45	5:00	0	0	0	0	0	0	0
5:00	5:15	1	0	0	0	0	1	1
5:15	5:30	1	0	0	0	0	1	1
5:30	5:45	0	0	0	0	0	0	0
5:45	6:00	0	0	0	0	0	0	0
6:00	6:15	0	0	0	0	0	0	0
6:15	6:30	2	0	1	0	0	5	3
6:30	6:45	8	0	0	0	0	8	8
6:45	7:00	11	0	0	0	0	11	11
7:00	7:15	17	0	0	0	0	17	17
7:15	7:30	39	1	0	0	0	40	40
7:30	7:45	10	3	0	0	0	12	13
7:45	8:00	2	0	0	0	0	2	2
8:00	8:15	11	3	0	0	0	13	14
8:15	8:30	8	1	0	0	0	9	9
8:30	8:45	7	0	0	0	0	7	7
8:45	9:00	10	2	0	0	0	11	12
9:00	9:15	10	1	0	0	0	11	11
9:15	9:30	10	2	0	0	0	11	12
9:30	9:45	6	1	0	0	0	7	7
9:45	10:00	7	1	0	0	0	8	8
10:00	10:15	10	0	0	0	0	10	10
10:15	10:30	8	1	0	0	0	9	9
10:30	10:45	5	4	2	0	0	12	11
10:45	11:00	9	0	0	0	0	9	9
11:00	11:15	11	3	0	0	0	13	14
11:15	11:30	9	4	0	0	0	11	13
11:30	11:45	6	2	0	0	0	7	8
11:45	12:00	12	0	0	0	0	12	12

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	12:15	10	0	0	0	0	10	10
12:15	12:30	9	5	0	0	0	12	14
12:30	12:45	17	2	0	0	0	18	19
12:45	13:00	6	1	0	0	0	7	7
13:00	13:15	19	2	0	0	0	20	21
13:15	13:30	12	0	0	0	0	12	12
13:30	13:45	15	1	0	0	0	16	16
13:45	14:00	17	0	0	0	0	17	17
14:00	14:15	13	1	1	0	0	16	15
14:15	14:30	14	0	0	0	0	14	14
14:30	14:45	16	0	0	0	0	16	16
14:45	15:00	12	0	1	0	0	15	15
15:00	15:15	16	0	0	0	0	16	16
15:15	15:30	12	1	0	0	0	13	13
15:30	15:45	18	1	0	0	0	19	19
15:45	16:00	13	2	0	0	0	14	15
16:00	16:15	14	2	0	0	0	15	16
16:15	16:30	18	1	0	0	0	19	19
16:30	16:45	10	1	0	0	0	11	11
16:45	17:00	15	2	0	0	0	16	17
17:00	17:15	14	0	0	0	0	14	14
17:15	17:30	9	2	0	0	0	10	11
17:30	17:45	8	1	0	0	0	9	9
17:45	18:00	14	2	0	0	0	15	16
18:00	18:15	13	3	0	0	0	15	16
18:15	18:30	6	1	0	0	0	7	7
18:30	18:45	12	0	0	0	0	12	12
18:45	19:00	8	1	0	0	0	9	9
19:00	19:15	9	2	0	0	0	10	11
19:15	19:30	7	0	0	0	0	7	7
19:30	19:45	9	1	1	0	0	12	11
19:45	20:00	8	1	0	0	0	9	9
20:00	20:15	5	0	0	0	0	5	5
20:15	20:30	7	0	0	0	0	7	7
20:30	20:45	8	0	0	0	0	8	8
20:45	21:00	8	3	0	0	0	10	11
21:00	21:15	6	0	0	0	0	6	6
21:15	21:30	8	1	0	0	0	9	9
21:30	21:45	5	1	0	0	0	6	6
21:45	22:00	7	0	0	0	0	7	7
22:00	22:15	9	1	0	0	0	10	10
22:15	22:30	12	1	0	0	0	13	13
22:30	22:45	3	2	0	0	0	4	5
22:45	23:00	5	0	0	0	0	5	5
23:00	23:15	2	0	0	0	0	2	2
23:15	23:30	5	1	0	0	0	6	6
23:30	23:45	4	1	0	0	0	5	5
23:45	0:00	2	0	0	0	0	2	2

**Movimento Contado****1 > 2      Av. Independência conv à esq. R. Adolfo Mantovani****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	12	5	0	0	0	15	17
1:00	2:00	2	0	0	0	0	2	2
2:00	3:00	4	0	0	0	0	4	4
3:00	4:00	1	0	0	0	0	1	1
4:00	5:00	1	0	0	0	0	1	1
5:00	6:00	1	0	0	0	0	1	1
6:00	7:00	63	2	0	2	0	68	67
7:00	8:00	92	16	1	2	0	107	111
8:00	9:00	66	9	2	1	0	78	78
9:00	10:00	79	7	0	1	0	85	87
10:00	11:00	66	15	1	1	0	78	83
11:00	12:00	89	8	0	1	0	95	98

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	133	10	0	1	0	140	144
13:00	14:00	117	8	1	1	0	126	127
14:00	15:00	90	12	1	1	0	101	104
15:00	16:00	80	2	0	1	0	83	83
16:00	17:00	97	9	2	1	0	109	109
17:00	18:00	105	16	1	2	0	120	124
18:00	19:00	117	9	0	1	0	124	127
19:00	20:00	81	4	0	1	0	85	86
20:00	21:00	37	2	0	1	0	40	40
21:00	22:00	58	2	1	1	0	64	62
22:00	23:00	31	2	0	1	0	34	34
23:00	0:00	23	2	0	1	0	26	26

**Movimento Contado****1 > 2 Av. Independência conv à esq. R. Adolfo Mantovani****Fluxo veicular a cada 15 minutos**

Período Manhã								Período Tarde									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	5	2	0	0	0	6	7	12:00	12:15	29	0	0	1	0	31	30
0:15	0:30	2	0	0	0	0	2	2	12:15	12:30	31	4	0	0	0	33	35
0:30	0:45	3	0	0	0	0	3	3	12:30	12:45	45	2	0	0	0	46	47
0:45	1:00	2	3	0	0	0	4	5	12:45	13:00	28	4	0	0	0	30	32
1:00	1:15	0	0	0	0	0	0	0	13:00	13:15	30	1	1	1	0	35	33
1:15	1:30	1	0	0	0	0	1	1	13:15	13:30	28	0	0	0	0	28	28
1:30	1:45	0	0	0	0	0	0	0	13:30	13:45	27	5	0	0	0	30	32
1:45	2:00	1	0	0	0	0	1	1	13:45	14:00	32	2	0	0	0	33	34
2:00	2:15	2	0	0	0	0	2	2	14:00	14:15	31	5	0	1	0	36	37
2:15	2:30	1	0	0	0	0	1	1	14:15	14:30	16	2	1	0	0	20	19
2:30	2:45	1	0	0	0	0	1	1	14:30	14:45	20	1	0	0	0	21	21
2:45	3:00	0	0	0	0	0	0	0	14:45	15:00	23	4	0	0	0	25	27
3:00	3:15	1	0	0	0	0	1	1	15:00	15:15	16	1	0	1	0	19	18
3:15	3:30	0	0	0	0	0	0	0	15:15	15:30	25	1	0	0	0	26	26
3:30	3:45	0	0	0	0	0	0	0	15:30	15:45	23	0	0	0	0	23	23
3:45	4:00	0	0	0	0	0	0	0	15:45	16:00	16	0	0	0	0	16	16
4:00	4:15	0	0	0	0	0	0	0	16:00	16:15	22	3	0	1	0	26	26
4:15	4:30	0	0	0	0	0	0	0	16:15	16:30	23	0	2	0	0	28	25
4:30	4:45	0	0	0	0	0	0	0	16:30	16:45	25	2	0	0	0	26	27
4:45	5:00	1	0	0	0	0	1	1	16:45	17:00	27	4	0	0	0	29	31
5:00	5:15	0	0	0	0	0	0	0	17:00	17:15	29	5	1	1	0	36	36
5:15	5:30	0	0	0	0	0	0	0	17:15	17:30	22	4	0	0	0	24	26
5:30	5:45	0	0	0	0	0	0	0	17:30	17:45	24	4	0	0	0	26	28
5:45	6:00	1	0	0	0	0	1	1	17:45	18:00	30	3	0	1	0	34	34
6:00	6:15	4	1	0	1	0	7	6	18:00	18:15	32	2	0	1	0	35	35
6:15	6:30	2	1	0	1	0	5	4	18:15	18:30	31	4	0	0	0	33	35
6:30	6:45	14	0	0	0	0	14	14	18:30	18:45	24	1	0	0	0	25	25
6:45	7:00	43	0	0	0	0	43	43	18:45	19:00	30	2	0	0	0	31	32
7:00	7:15	36	3	0	2	0	42	41	19:00	19:15	27	1	0	0	0	28	28
7:15	7:30	23	3	0	0	0	25	26	19:15	19:30	18	0	0	1	0	20	19
7:30	7:45	17	7	1	0	0	23	25	19:30	19:45	19	3	0	0	0	21	22
7:45	8:00	16	3	0	0	0	18	19	19:45	20:00	17	0	0	0	0	17	17
8:00	8:15	19	4	0	0	0	21	23	20:00	20:15	17	1	0	1	0	20	19
8:15	8:30	15	2	2	1	0	23	20	20:15	20:30	4	0	0	0	0	4	4
8:30	8:45	16	1	0	0	0	17	17	20:30	20:45	7	1	0	0	0	8	8
8:45	9:00	16	2	0	0	0	17	18	20:45	21:00	9	0	0	0	0	9	9
9:00	9:15	20	2	0	0	0	21	22	21:00	21:15	11	1	0	1	0	14	13
9:15	9:30	24	1	0	1	0	27	26	21:15	21:30	17	1	0	0	0	18	18
9:30	9:45	17	4	0	0	0	19	21	21:30	21:45	14	0	1	0	0	17	15
9:45	10:00	18	0	0	0	0	18	18	21:45	22:00	16	0	0	0	0	16	16
10:00	10:15	14	6	0	1	0	19	21	22:00	22:15	8	0	0	1	0	10	9
10:15	10:30	16	0	0	0	0	16	16	22:15	22:30	8	1	0	0	0	9	9
10:30	10:45	15	4	1	0	0	20	20	22:30	22:45	6	1	0	0	0	7	7
10:45	11:00	21	5	0	0	0	24	26	22:45	23:00	9	0	0	0	0	9	9
11:00	11:15	26	1	0	1	0	29	28	23:00	23:15	3	2	0	1	0	6	6
11:15	11:30	19	2	0	0	0	20	21	23:15	23:30	6	0	0	0	0	6	6
11:30	11:45	25	2	0	0	0	26	27	23:30	23:45	4	0	0	0	0	4	4
11:45	12:00	19	3	0	0	0	21	22	23:45	0:00	10	0	0	0	0	10	10

**Movimento Contado****1 > 3      Av. Independência em frente****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	83	19	0	1	0	95	103
1:00	2:00	37	3	2	1	0	46	43
2:00	3:00	20	4	0	2	0	26	26
3:00	4:00	19	1	0	2	0	24	22
4:00	5:00	10	3	0	1	0	14	14
5:00	6:00	50	14	0	3	0	63	67
6:00	7:00	263	61	1	8	0	312	333
7:00	8:00	602	110	0	13	0	683	725
8:00	9:00	584	114	6	6	0	668	710
9:00	10:00	608	99	11	5	0	695	723
10:00	11:00	511	92	8	4	0	585	615
11:00	12:00	640	93	5	4	0	707	742

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	855	114	6	7	0	941	982
13:00	14:00	766	110	7	12	0	863	895
14:00	15:00	687	54	14	3	0	755	758
15:00	16:00	672	76	5	4	0	731	757
16:00	17:00	675	93	6	6	0	749	780
17:00	18:00	840	100	2	7	0	909	949
18:00	19:00	1046	148	0	6	0	1132	1200
19:00	20:00	766	134	1	5	0	846	906
20:00	21:00	446	81	0	2	0	491	529
21:00	22:00	359	49	0	2	0	388	410
22:00	23:00	291	52	1	18	0	356	362
23:00	0:00	156	28	1	3	0	179	188

**Movimento Contado****1 > 3****Av. Independência em frente****Fluxo veicular a cada 15 minutos**

Período Manhã								Período Tarde									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	29	7	0	0	0	33	36	12:00	12:15	197	28	1	2	0	218	228
0:15	0:30	14	6	0	1	0	19	21	12:15	12:30	217	32	2	1	0	240	252
0:30	0:45	20	6	0	0	0	23	26	12:30	12:45	215	25	2	1	0	235	243
0:45	1:00	20	0	0	0	0	20	20	12:45	13:00	226	29	1	3	0	249	259
1:00	1:15	11	2	0	0	0	12	13	13:00	13:15	209	33	0	3	0	232	245
1:15	1:30	10	1	0	1	0	13	12	13:15	13:30	224	22	3	5	0	253	254
1:30	1:45	12	0	0	0	0	12	12	13:30	13:45	173	31	2	3	0	200	209
1:45	2:00	4	0	2	0	0	9	6	13:45	14:00	160	24	2	1	0	179	187
2:00	2:15	8	1	0	0	0	9	9	14:00	14:15	171	16	3	0	0	187	190
2:15	2:30	4	0	0	0	0	4	4	14:15	14:30	172	7	2	1	0	183	182
2:30	2:45	3	0	0	2	0	7	5	14:30	14:45	183	17	4	1	0	204	205
2:45	3:00	5	3	0	0	0	7	8	14:45	15:00	161	14	5	1	0	183	181
3:00	3:15	7	0	0	0	0	7	7	15:00	15:15	156	9	1	1	0	165	167
3:15	3:30	5	1	0	0	0	6	6	15:15	15:30	168	15	1	1	0	180	185
3:30	3:45	5	0	0	0	0	5	5	15:30	15:45	163	27	3	1	0	186	194
3:45	4:00	2	0	0	2	0	6	4	15:45	16:00	185	25	0	1	0	200	211
4:00	4:15	7	1	0	0	0	8	8	16:00	16:15	164	23	2	3	0	187	192
4:15	4:30	1	0	0	0	0	1	1	16:15	16:30	162	22	0	0	0	173	184
4:30	4:45	1	0	0	0	0	1	1	16:30	16:45	152	22	2	2	0	172	178
4:45	5:00	1	2	0	1	0	4	4	16:45	17:00	197	26	2	1	0	217	226
5:00	5:15	7	0	0	0	0	7	7	17:00	17:15	186	23	0	4	0	206	213
5:15	5:30	8	2	0	1	0	11	11	17:15	17:30	194	23	1	1	0	210	219
5:30	5:45	11	4	0	1	0	15	16	17:30	17:45	224	27	0	0	0	238	251
5:45	6:00	24	8	0	1	0	30	33	17:45	18:00	236	27	1	2	0	256	266
6:00	6:15	21	9	0	1	0	28	31	18:00	18:15	266	39	0	1	0	288	306
6:15	6:30	39	11	1	1	0	49	52	18:15	18:30	274	61	0	1	0	307	336
6:30	6:45	66	10	0	3	0	77	79	18:30	18:45	265	25	0	1	0	280	291
6:45	7:00	137	31	0	3	0	159	171	18:45	19:00	241	23	0	3	0	259	267
7:00	7:15	176	24	0	5	0	198	205	19:00	19:15	247	53	1	2	0	280	303
7:15	7:30	149	22	0	5	0	170	176	19:15	19:30	187	33	0	2	0	208	222
7:30	7:45	136	23	0	1	0	150	160	19:30	19:45	158	29	0	0	0	173	187
7:45	8:00	141	41	0	2	0	166	184	19:45	20:00	174	19	0	1	0	186	194
8:00	8:15	146	43	2	2	0	177	193	20:00	20:15	134	13	0	0	0	141	147
8:15	8:30	148	31	1	1	0	168	181	20:15	20:30	120	24	0	1	0	134	145
8:30	8:45	148	17	1	2	0	163	168	20:30	20:45	99	22	0	0	0	110	121
8:45	9:00	142	23	2	1	0	161	168	20:45	21:00	93	22	0	1	0	106	116
9:00	9:15	171	14	0	1	0	180	186	21:00	21:15	93	12	0	0	0	99	105
9:15	9:30	144	25	3	1	0	166	173	21:15	21:30	90	8	0	1	0	96	99
9:30	9:45	140	26	4	1	0	165	171	21:30	21:45	87	14	0	0	0	94	101
9:45	10:00	153	34	4	2	0	184	193	21:45	22:00	89	15	0	1	0	99	105
10:00	10:15	135	25	0	0	0	148	160	22:00	22:15	78	17	0	2	0	91	97
10:15	10:30	136	19	4	1	0	158	160	22:15	22:30	68	19	0	4	0	86	91
10:30	10:45	119	22	2	1	0	137	144	22:30	22:45	73	5	1	11	0	100	90
10:45	11:00	121	26	2	2	0	143	151	22:45	23:00	72	11	0	1	0	80	84
11:00	11:15	149	27	4	1	0	175	181	23:00	23:15	48	12	1	1	0	59	62
11:15	11:30	158	21	0	0	0	169	179	23:15	23:30	42	3	0	1	0	46	46
11:30	11:45	171	24	1	1	0	188	197	23:30	23:45	39	5	0	0	0	42	44
11:45	12:00	162	21	0	2	0	177	185	23:45	0:00	27	8	0	1	0	33	36

**Movimento Contado****3 > 1      Av. Independência em frente****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	63	19	0	0	0	73	82
1:00	2:00	29	7	0	0	0	33	36
2:00	3:00	14	2	1	0	0	18	17
3:00	4:00	12	0	1	0	0	15	13
4:00	5:00	11	1	0	0	0	12	12
5:00	6:00	42	10	0	4	0	55	56
6:00	7:00	308	45	2	12	0	360	367
7:00	8:00	757	102	1	8	0	827	868
8:00	9:00	596	91	2	8	0	663	697
9:00	10:00	532	80	8	4	0	600	624
10:00	11:00	526	92	11	4	0	608	633
11:00	12:00	520	82	7	8	0	595	617

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	572	105	8	7	0	659	692
13:00	14:00	659	72	7	5	0	723	743
14:00	15:00	577	49	8	4	0	630	638
15:00	16:00	572	85	10	4	0	648	671
16:00	17:00	612	78	6	4	0	674	700
17:00	18:00	569	86	3	6	0	632	664
18:00	19:00	604	82	1	10	0	668	697
19:00	20:00	467	44	1	10	0	512	522
20:00	21:00	297	27	0	3	0	317	327
21:00	22:00	263	26	0	3	0	282	292
22:00	23:00	275	41	0	7	0	310	323
23:00	0:00	108	30	1	4	0	134	143

**Movimento Contado****3 > 1 Av. Independência em frente****Fluxo veicular a cada 15 minutos**

Período Manhã									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	
0:00	0:15	21	6	0	0	0	24	27	
0:15	0:30	18	6	0	0	0	21	24	
0:30	0:45	9	5	0	0	0	12	14	
0:45	1:00	15	2	0	0	0	16	17	82
1:00	1:15	8	1	0	0	0	9	9	
1:15	1:30	5	2	0	0	0	6	7	
1:30	1:45	11	1	0	0	0	12	12	
1:45	2:00	5	3	0	0	0	7	8	
2:00	2:15	4	1	0	0	0	5	5	
2:15	2:30	5	0	1	0	0	8	6	
2:30	2:45	3	1	0	0	0	4	4	
2:45	3:00	2	0	0	0	0	2	2	
3:00	3:15	3	0	0	0	0	3	3	
3:15	3:30	3	0	0	0	0	3	3	
3:30	3:45	3	0	1	0	0	6	4	
3:45	4:00	3	0	0	0	0	3	3	
4:00	4:15	2	1	0	0	0	3	3	
4:15	4:30	5	0	0	0	0	5	5	
4:30	4:45	2	0	0	0	0	2	2	
4:45	5:00	2	0	0	0	0	2	2	
5:00	5:15	3	0	0	1	0	5	4	
5:15	5:30	3	0	0	1	0	5	4	
5:30	5:45	8	6	0	1	0	13	15	
5:45	6:00	28	4	0	1	0	32	33	56
6:00	6:15	24	9	1	1	0	33	35	
6:15	6:30	40	8	1	3	0	53	52	
6:30	6:45	98	13	0	5	0	115	116	
6:45	7:00	146	15	0	3	0	160	164	
7:00	7:15	211	17	0	2	0	224	230	
7:15	7:30	195	17	0	1	0	206	213	
7:30	7:45	165	28	1	4	0	190	198	
7:45	8:00	186	40	0	1	0	208	227	
8:00	8:15	143	27	0	3	0	163	173	
8:15	8:30	135	18	0	1	0	146	154	
8:30	8:45	148	22	1	3	0	168	174	
8:45	9:00	170	24	1	1	0	187	196	
9:00	9:15	150	16	2	1	0	165	169	
9:15	9:30	132	22	4	0	0	153	158	
9:30	9:45	130	20	2	2	0	149	154	
9:45	10:00	120	22	0	1	0	133	143	
10:00	10:15	135	29	6	1	0	167	171	
10:15	10:30	113	23	3	1	0	134	140	
10:30	10:45	129	17	1	1	0	142	148	
10:45	11:00	149	23	1	1	0	165	174	
11:00	11:15	142	22	4	2	0	167	170	
11:15	11:30	118	18	0	3	0	133	139	
11:30	11:45	138	22	3	0	0	157	163	
11:45	12:00	122	20	0	3	0	138	145	

Período Tarde									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	
12:00	12:15	129	25	3	1	0	151	158	
12:15	12:30	157	23	1	3	0	177	184	
12:30	12:45	147	32	1	1	0	168	181	
12:45	13:00	139	25	3	2	0	163	169	
13:00	13:15	170	18	1	2	0	186	191	
13:15	13:30	152	15	1	1	0	164	169	
13:30	13:45	165	24	1	1	0	182	191	
13:45	14:00	172	15	4	1	0	192	192	
14:00	14:15	174	13	4	1	0	193	192	
14:15	14:30	118	14	3	0	0	133	135	
14:30	14:45	143	13	0	2	0	154	158	
14:45	15:00	142	9	1	1	0	151	153	
15:00	15:15	155	20	3	0	0	173	178	
15:15	15:30	130	21	5	1	0	155	157	
15:30	15:45	141	24	1	2	0	160	168	
15:45	16:00	146	20	1	1	0	161	168	
16:00	16:15	174	21	2	1	0	192	198	
16:15	16:30	150	14	0	1	0	159	165	
16:30	16:45	129	21	0	1	0	142	151	
16:45	17:00	159	22	4	1	0	182	186	
17:00	17:15	162	29	2	2	0	186	195	
17:15	17:30	123	23	1	1	0	139	148	
17:30	17:45	142	15	0	2	0	154	159	
17:45	18:00	142	19	0	1	0	154	162	
18:00	18:15	151	24	0	1	0	165	176	
18:15	18:30	194	27	1	2	0	214	224	
18:30	18:45	131	19	0	2	0	145	152	
18:45	19:00	128	12	0	5	0	144	145	
19:00	19:15	142	10	1	7	0	164	160	
19:15	19:30	109	14	0	1	0	118	124	
19:30	19:45	100	10	0	2	0	109	112	
19:45	20:00	116	10	0	0	0	121	126	
20:00	20:15	84	3	0	1	0	88	88	
20:15	20:30	73	3	0	0	0	75	76	
20:30	20:45	70	10	0	2	0	79	82	
20:45	21:00	70	11	0	0	0	76	81	
21:00	21:15	63	5	0	1	0	68	69	
21:15	21:30	67	6	0	1	0	72	74	
21:30	21:45	63	8	0	1	0	69	72	
21:45	22:00	70	7	0	0	0	74	77	
22:00	22:15	102	8	0	2	0	110	112	
22:15	22:30	79	7	0	2	0	87	88	
22:30	22:45	55	17	0	3	0	70	75	
22:45	23:00	39	9	0	0	0	44	48	
23:00	23:15	37	7	1	1	0	45	46	
23:15	23:30	26	9	0	1	0	33	36	
23:30	23:45	26	4	0	1	0	30	31	
23:45	0:00	19	10	0	1	0	26	30	

**Movimento Contado****3 > 2      Av. Independência conv à dir. R. Adolfo Mantovani****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	0	0	0	0	0	0	0
1:00	2:00	0	0	0	0	0	0	0
2:00	3:00	0	0	0	0	0	0	0
3:00	4:00	0	0	0	0	0	0	0
4:00	5:00	0	0	0	0	0	0	0
5:00	6:00	1	0	0	0	0	1	1
6:00	7:00	4	0	0	0	0	4	4
7:00	8:00	12	8	0	0	0	16	20
8:00	9:00	17	1	0	0	0	18	18
9:00	10:00	18	2	0	0	0	19	20
10:00	11:00	24	3	0	0	0	26	27
11:00	12:00	17	3	0	0	0	19	20

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	27	2	0	0	0	28	29
13:00	14:00	22	0	0	0	0	22	22
14:00	15:00	32	3	0	0	0	34	35
15:00	16:00	25	2	0	0	0	26	27
16:00	17:00	30	3	0	0	0	32	33
17:00	18:00	24	0	0	0	0	24	24
18:00	19:00	20	1	0	0	0	21	21
19:00	20:00	7	1	0	0	0	8	8
20:00	21:00	1	0	0	0	0	1	1
21:00	22:00	0	0	0	0	0	0	0
22:00	23:00	0	0	0	0	0	0	0
23:00	0:00	0	0	0	0	0	0	0

**Movimento Contado****3 > 2****Av. Independência conv à dir. R. Adolfo Mantovani****Fluxo veicular a cada 15 minutos**

Período Manhã								Período Tarde									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	0	0	0	0	0	0	0	12:00	12:15	6	0	0	0	0	6	6
0:15	0:30	0	0	0	0	0	0	0	12:15	12:30	4	1	0	0	0	5	5
0:30	0:45	0	0	0	0	0	0	0	12:30	12:45	8	1	0	0	0	9	9
0:45	1:00	0	0	0	0	0	0	0	12:45	13:00	9	0	0	0	0	9	9
1:00	1:15	0	0	0	0	0	0	0	13:00	13:15	2	0	0	0	0	2	2
1:15	1:30	0	0	0	0	0	0	0	13:15	13:30	11	0	0	0	0	11	11
1:30	1:45	0	0	0	0	0	0	0	13:30	13:45	5	0	0	0	0	5	5
1:45	2:00	0	0	0	0	0	0	0	13:45	14:00	4	0	0	0	0	4	4
2:00	2:15	0	0	0	0	0	0	0	14:00	14:15	4	2	0	0	0	5	6
2:15	2:30	0	0	0	0	0	0	0	14:15	14:30	7	0	0	0	0	7	7
2:30	2:45	0	0	0	0	0	0	0	14:30	14:45	7	0	0	0	0	7	7
2:45	3:00	0	0	0	0	0	0	0	14:45	15:00	14	1	0	0	0	15	15
3:00	3:15	0	0	0	0	0	0	0	15:00	15:15	6	0	0	0	0	6	6
3:15	3:30	0	0	0	0	0	0	0	15:15	15:30	4	0	0	0	0	4	4
3:30	3:45	0	0	0	0	0	0	0	15:30	15:45	7	0	0	0	0	7	7
3:45	4:00	0	0	0	0	0	0	0	15:45	16:00	8	2	0	0	0	9	10
4:00	4:15	0	0	0	0	0	0	0	16:00	16:15	7	1	0	0	0	8	8
4:15	4:30	0	0	0	0	0	0	0	16:15	16:30	9	0	0	0	0	9	9
4:30	4:45	0	0	0	0	0	0	0	16:30	16:45	5	2	0	0	0	6	7
4:45	5:00	0	0	0	0	0	0	0	16:45	17:00	9	0	0	0	0	9	9
5:00	5:15	0	0	0	0	0	0	0	17:00	17:15	11	0	0	0	0	11	11
5:15	5:30	0	0	0	0	0	0	0	17:15	17:30	4	0	0	0	0	4	4
5:30	5:45	0	0	0	0	0	0	0	17:30	17:45	5	0	0	0	0	5	5
5:45	6:00	1	0	0	0	0	1	1	17:45	18:00	4	0	0	0	0	4	4
6:00	6:15	1	0	0	0	0	1	1	18:00	18:15	7	1	0	0	0	8	8
6:15	6:30	0	0	0	0	0	0	0	18:15	18:30	7	0	0	0	0	7	7
6:30	6:45	2	0	0	0	0	2	2	18:30	18:45	4	0	0	0	0	4	4
6:45	7:00	1	0	0	0	0	1	1	18:45	19:00	2	0	0	0	0	2	2
7:00	7:15	1	0	0	0	0	1	1	19:00	19:15	0	0	0	0	0	0	0
7:15	7:30	1	1	0	0	0	2	2	19:15	19:30	4	0	0	0	0	4	4
7:30	7:45	3	1	0	0	0	4	4	19:30	19:45	2	0	0	0	0	2	2
7:45	8:00	7	6	0	0	0	10	13	19:45	20:00	1	1	0	0	0	2	2
8:00	8:15	3	0	0	0	0	3	3	20:00	20:15	1	0	0	0	0	1	1
8:15	8:30	4	0	0	0	0	4	4	20:15	20:30	0	0	0	0	0	0	0
8:30	8:45	4	1	0	0	0	5	5	20:30	20:45	0	0	0	0	0	0	0
8:45	9:00	6	0	0	0	0	6	6	20:45	21:00	0	0	0	0	0	0	0
9:00	9:15	6	0	0	0	0	6	6	21:00	21:15	0	0	0	0	0	0	0
9:15	9:30	3	1	0	0	0	4	4	21:15	21:30	0	0	0	0	0	0	0
9:30	9:45	4	0	0	0	0	4	4	21:30	21:45	0	0	0	0	0	0	0
9:45	10:00	5	1	0	0	0	6	6	21:45	22:00	0	0	0	0	0	0	0
10:00	10:15	7	2	0	0	0	8	9	22:00	22:15	0	0	0	0	0	0	0
10:15	10:30	7	0	0	0	0	7	7	22:15	22:30	0	0	0	0	0	0	0
10:30	10:45	7	1	0	0	0	8	8	22:30	22:45	0	0	0	0	0	0	0
10:45	11:00	3	0	0	0	0	3	3	22:45	23:00	0	0	0	0	0	0	0
11:00	11:15	4	0	0	0	0	4	4	23:00	23:15	0	0	0	0	0	0	0
11:15	11:30	4	0	0	0	0	4	4	23:15	23:30	0	0	0	0	0	0	0
11:30	11:45	3	1	0	0	0	4	4	23:30	23:45	0	0	0	0	0	0	0
11:45	12:00	6	2	0	0	0	7	8	23:45	0:00	0	0	0	0	0	0	0

**Movimento Contado****4 > 1 R. Adolfo Mantovani conv à esq. Av. Independência****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	19	21	0	1	0	32	41
1:00	2:00	12	7	0	0	0	16	19
2:00	3:00	3	1	0	0	0	4	4
3:00	4:00	8	2	0	0	0	9	10
4:00	5:00	9	9	0	2	0	18	20
5:00	6:00	51	59	2	0	0	86	112
6:00	7:00	187	186	5	0	0	293	378
7:00	8:00	330	350	4	2	0	519	686
8:00	9:00	236	197	4	0	0	345	437
9:00	10:00	137	114	0	0	0	194	251
10:00	11:00	112	95	4	0	0	170	211
11:00	12:00	116	83	2	0	0	163	201

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	155	97	1	0	0	206	253
13:00	14:00	173	91	3	0	0	226	267
14:00	15:00	145	51	2	0	0	176	198
15:00	16:00	158	105	5	0	0	223	268
16:00	17:00	143	137	0	0	0	212	280
17:00	18:00	153	119	2	0	0	218	274
18:00	19:00	162	118	0	0	0	221	280
19:00	20:00	132	79	0	0	0	172	211
20:00	21:00	87	27	2	0	0	106	116
21:00	22:00	69	35	0	1	0	89	105
22:00	23:00	53	24	0	1	0	67	78
23:00	0:00	35	27	0	1	0	51	63

**Movimento Contado****4 > 1      R. Adolfo Mantovani conv à esq. Av. Independência****Fluxo veicular a cada 15 minutos**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	2	12	0	0	0	8	
0:15	0:30	8	3	0	0	0	10	
0:30	0:45	5	3	0	0	0	7	
0:45	1:00	4	3	0	1	0	8	
1:00	1:15	4	0	0	0	0	4	
1:15	1:30	3	1	0	0	0	4	
1:30	1:45	1	2	0	0	0	2	
1:45	2:00	4	4	0	0	0	6	
2:00	2:15	1	0	0	0	0	1	
2:15	2:30	0	1	0	0	0	1	
2:30	2:45	2	0	0	0	0	2	
2:45	3:00	0	0	0	0	0	0	
3:00	3:15	0	0	0	0	0	0	
3:15	3:30	2	0	0	0	0	2	
3:30	3:45	3	1	0	0	0	4	
3:45	4:00	3	1	0	0	0	4	
4:00	4:15	2	2	0	0	0	3	
4:15	4:30	1	1	0	0	0	2	
4:30	4:45	2	1	0	0	0	3	
4:45	5:00	4	5	0	2	0	11	
5:00	5:15	4	3	0	0	0	6	
5:15	5:30	14	9	0	0	0	19	
5:30	5:45	14	18	0	0	0	23	
5:45	6:00	19	29	2	0	0	39	
6:00	6:15	26	26	0	0	0	39	
6:15	6:30	25	26	1	0	0	41	
6:30	6:45	54	64	2	0	0	91	
6:45	7:00	82	70	2	0	0	122	
7:00	7:15	89	63	2	0	0	126	
7:15	7:30	90	86	0	0	0	133	
7:30	7:45	81	83	0	2	0	127	
7:45	8:00	70	118	2	0	0	134	
8:00	8:15	66	66	2	0	0	104	
8:15	8:30	59	47	1	0	0	85	
8:30	8:45	57	28	1	0	0	74	
8:45	9:00	54	56	0	0	0	82	
9:00	9:15	34	35	0	0	0	52	
9:15	9:30	37	27	0	0	0	51	
9:30	9:45	31	20	0	0	0	41	
9:45	10:00	35	32	0	0	0	51	
10:00	10:15	19	21	3	0	0	37	
10:15	10:30	54	28	1	0	0	71	
10:30	10:45	20	23	0	0	0	32	
10:45	11:00	19	23	0	0	0	31	
11:00	11:15	37	20	0	0	0	47	
11:15	11:30	24	14	0	0	0	31	
11:30	11:45	30	22	1	0	0	44	
11:45	12:00	25	27	1	0	0	41	

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	12:15	24	21	0	0	0	35	
12:15	12:30	41	21	1	0	0	54	
12:30	12:45	49	26	0	0	0	62	
12:45	13:00	41	29	0	0	0	56	
13:00	13:15	55	16	1	0	0	66	
13:15	13:30	46	19	0	0	0	56	
13:30	13:45	30	24	1	0	0	45	
13:45	14:00	42	32	1	0	0	61	
14:00	14:15	46	14	0	0	0	53	
14:15	14:30	38	9	1	0	0	45	
14:30	14:45	36	14	0	0	0	43	
14:45	15:00	25	14	1	0	0	35	
15:00	15:15	36	12	2	0	0	47	
15:15	15:30	39	23	0	0	0	51	
15:30	15:45	40	38	0	0	0	59	
15:45	16:00	43	32	3	0	0	67	
16:00	16:15	23	35	0	0	0	41	
16:15	16:30	33	20	0	0	0	43	
16:30	16:45	40	40	0	0	0	60	
16:45	17:00	47	42	0	0	0	68	
17:00	17:15	43	21	0	0	0	54	
17:15	17:30	25	30	0	0	0	40	
17:30	17:45	43	32	0	0	0	59	
17:45	18:00	42	36	2	0	0	65	
18:00	18:15	44	29	0	0	0	59	
18:15	18:30	38	19	0	0	0	48	
18:30	18:45	38	39	0	0	0	58	
18:45	19:00	42	31	0	0	0	58	
19:00	19:15	33	25	0	0	0	46	
19:15	19:30	34	24	0	0	0	46	
19:30	19:45	33	22	0	0	0	44	
19:45	20:00	32	8	0	0	0	36	
20:00	20:15	25	4	1	0	0	30	
20:15	20:30	25	7	0	0	0	29	
20:30	20:45	20	7	1	0	0	26	
20:45	21:00	17	9	0	0	0	22	
21:00	21:15	18	5	0	0	0	21	
21:15	21:30	15	7	0	0	0	19	
21:30	21:45	14	9	0	1	0	21	
21:45	22:00	22	14	0	0	0	29	
22:00	22:15	19	9	0	0	0	24	
22:15	22:30	11	3	0	0	0	13	
22:30	22:45	15	8	0	0	0	19	
22:45	23:00	8	4	0	1	0	12	
23:00	23:15	14	4	0	0	0	16	
23:15	23:30	8	12	0	1	0	16	
23:30	23:45	6	5	0	0	0	9	
23:45	0:00	7	6	0	0	0	10	

**Movimento Contado****4 > 2 R. Adolfo Mantovani em frente****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	5	0	0	0	0	5	5
1:00	2:00	4	2	0	0	0	5	6
2:00	3:00	0	0	0	0	0	0	0
3:00	4:00	0	0	0	0	0	0	0
4:00	5:00	1	2	0	0	0	2	3
5:00	6:00	4	15	0	0	0	12	19
6:00	7:00	56	35	0	0	0	74	91
7:00	8:00	139	68	0	0	0	173	207
8:00	9:00	83	55	1	0	0	113	139
9:00	10:00	63	36	0	0	0	81	99
10:00	11:00	51	21	2	0	0	67	74
11:00	12:00	47	24	1	0	0	62	72

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	71	30	0	0	0	86	101
13:00	14:00	87	42	1	1	0	113	131
14:00	15:00	53	9	1	1	0	62	64
15:00	16:00	67	23	2	1	0	86	93
16:00	17:00	64	27	1	0	0	80	92
17:00	18:00	75	19	0	0	0	85	94
18:00	19:00	90	33	1	0	0	109	124
19:00	20:00	59	23	0	0	0	71	82
20:00	21:00	24	2	0	0	0	25	26
21:00	22:00	19	12	0	0	0	25	31
22:00	23:00	26	13	0	1	0	35	40
23:00	0:00	6	6	1	1	0	14	14

**Movimento Contado****4 > 2 R. Adolfo Mantovani em frente****Fluxo veicular a cada 15 minutos**

Período Manhã									Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	2	0	0	0	0	2	2	12:00	12:15	5	6	0	0	0	8	11
0:15	0:30	0	0	0	0	0	0	0	12:15	12:30	21	9	0	0	0	26	30
0:30	0:45	1	0	0	0	0	1	1	12:30	12:45	23	5	0	0	0	26	28
0:45	1:00	2	0	0	0	0	2	2	12:45	13:00	22	10	0	0	0	27	32
1:00	1:15	0	0	0	0	0	0	0	13:00	13:15	29	9	0	1	0	36	39
1:15	1:30	2	0	0	0	0	2	2	13:15	13:30	22	11	0	0	0	28	33
1:30	1:45	2	1	0	0	0	3	3	13:30	13:45	15	14	0	0	0	22	29
1:45	2:00	0	1	0	0	0	1	1	13:45	14:00	21	8	1	0	0	28	30
2:00	2:15	0	0	0	0	0	0	0	14:00	14:15	14	2	0	0	0	15	16
2:15	2:30	0	0	0	0	0	0	0	14:15	14:30	12	1	0	0	0	13	13
2:30	2:45	0	0	0	0	0	0	0	14:30	14:45	13	3	1	1	0	19	18
2:45	3:00	0	0	0	0	0	0	0	14:45	15:00	14	3	0	0	0	16	17
3:00	3:15	0	0	0	0	0	0	0	15:00	15:15	21	5	0	1	0	26	27
3:15	3:30	0	0	0	0	0	0	0	15:15	15:30	20	7	1	0	0	26	28
3:30	3:45	0	0	0	0	0	0	0	15:30	15:45	11	5	1	0	0	16	17
3:45	4:00	0	0	0	0	0	0	0	15:45	16:00	15	6	0	0	0	18	21
4:00	4:15	0	0	0	0	0	0	0	16:00	16:15	18	12	0	0	0	24	30
4:15	4:30	1	0	0	0	0	1	1	16:15	16:30	12	4	0	0	0	14	16
4:30	4:45	0	1	0	0	0	1	1	16:30	16:45	19	5	0	0	0	22	24
4:45	5:00	0	1	0	0	0	1	1	16:45	17:00	15	6	1	0	0	21	22
5:00	5:15	0	1	0	0	0	1	1	17:00	17:15	16	2	0	0	0	17	18
5:15	5:30	0	1	0	0	0	1	1	17:15	17:30	16	4	0	0	0	18	20
5:30	5:45	1	3	0	0	0	3	4	17:30	17:45	16	4	0	0	0	18	20
5:45	6:00	3	10	0	0	0	8	13	17:45	18:00	27	9	0	0	0	32	36
6:00	6:15	4	6	0	0	0	7	10	18:00	18:15	18	11	1	0	0	26	30
6:15	6:30	6	4	0	0	0	8	10	18:15	18:30	23	11	0	0	0	29	34
6:30	6:45	16	10	0	0	0	21	26	18:30	18:45	22	5	0	0	0	25	27
6:45	7:00	30	15	0	0	0	38	45	18:45	19:00	27	6	0	0	0	30	33
7:00	7:15	48	14	0	0	0	55	62	19:00	19:15	25	12	0	0	0	31	37
7:15	7:30	29	17	0	0	0	38	46	19:15	19:30	11	4	0	0	0	13	15
7:30	7:45	33	14	0	0	0	40	47	19:30	19:45	13	6	0	0	0	16	19
7:45	8:00	29	23	0	0	0	41	52	19:45	20:00	10	1	0	0	0	11	11
8:00	8:15	33	19	0	0	0	43	52	20:00	20:15	13	0	0	0	0	13	13
8:15	8:30	15	14	0	0	0	22	29	20:15	20:30	6	0	0	0	0	6	6
8:30	8:45	18	9	0	0	0	23	27	20:30	20:45	3	1	0	0	0	4	4
8:45	9:00	17	13	1	0	0	26	31	20:45	21:00	2	1	0	0	0	3	3
9:00	9:15	12	4	0	0	0	14	16	21:00	21:15	7	5	0	0	0	10	12
9:15	9:30	13	13	0	0	0	20	26	21:15	21:30	4	1	0	0	0	5	5
9:30	9:45	21	8	0	0	0	25	29	21:30	21:45	2	2	0	0	0	3	4
9:45	10:00	17	11	0	0	0	23	28	21:45	22:00	6	4	0	0	0	8	10
10:00	10:15	5	4	1	0	0	10	10	22:00	22:15	8	3	0	0	0	10	11
10:15	10:30	16	8	1	0	0	23	25	22:15	22:30	8	5	0	1	0	13	14
10:30	10:45	15	4	0	0	0	17	19	22:30	22:45	5	2	0	0	0	6	7
10:45	11:00	15	5	0	0	0	18	20	22:45	23:00	5	3	0	0	0	7	8
11:00	11:15	19	6	0	0	0	22	25	23:00	23:15	3	3	0	1	0	7	7
11:15	11:30	13	5	0	0	0	16	18	23:15	23:30	1	2	1	0	0	5	4
11:30	11:45	9	4	0	0	0	11	13	23:30	23:45	2	1	0	0	0	3	3
11:45	12:00	6	9	1	0	0	13	16	23:45	0:00	0	0	0	0	0	0	0

**Movimento Contado****4 > 3      R. Adolfo Mantovani conv à dir. Av. Independência****Fluxo veicular a cada hora**

Período Manhã								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	1:00	5	0	0	0	0	5	5
1:00	2:00	0	0	0	0	0	0	0
2:00	3:00	0	0	0	0	0	0	0
3:00	4:00	1	0	0	0	0	1	1
4:00	5:00	0	0	0	0	0	0	0
5:00	6:00	1	0	0	0	0	1	1
6:00	7:00	7	0	0	0	0	7	7
7:00	8:00	35	4	1	1	0	42	41
8:00	9:00	22	2	0	0	0	23	24
9:00	10:00	27	2	2	0	0	33	31
10:00	11:00	22	3	0	0	0	24	25
11:00	12:00	24	10	5	1	0	44	40

Período Tarde								
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
12:00	13:00	31	3	0	0	0	33	34
13:00	14:00	39	2	0	1	0	42	42
14:00	15:00	25	1	2	0	0	31	28
15:00	16:00	27	2	0	0	0	28	29
16:00	17:00	23	1	5	0	0	36	29
17:00	18:00	40	3	0	0	0	42	43
18:00	19:00	41	10	0	1	0	48	52
19:00	20:00	15	0	0	1	0	17	16
20:00	21:00	11	0	0	0	0	11	11
21:00	22:00	4	0	0	0	0	4	4
22:00	23:00	7	1	0	0	0	8	8
23:00	0:00	4	0	0	0	0	4	4

**Movimento Contado****4 > 3****R. Adolfo Mantovani conv à dir. Av. Independência****Fluxo veicular a cada 15 minutos**

Período Manhã								Período Tarde									
Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC	Período de	até	Car	Moto	Truck	Bus	-	PCU	VEC
0:00	0:15	2	0	0	0	0	2		12:00	12:15	5	0	0	0	0	5	5
0:15	0:30	0	0	0	0	0	0		12:15	12:30	7	1	0	0	0	8	8
0:30	0:45	2	0	0	0	0	2		12:30	12:45	13	2	0	0	0	14	15
0:45	1:00	1	0	0	0	0	1		12:45	13:00	6	0	0	0	0	6	6
1:00	1:15	0	0	0	0	0	0		13:00	13:15	20	0	0	1	0	22	21
1:15	1:30	0	0	0	0	0	0		13:15	13:30	9	1	0	0	0	10	10
1:30	1:45	0	0	0	0	0	0		13:30	13:45	2	0	0	0	0	2	2
1:45	2:00	0	0	0	0	0	0		13:45	14:00	8	1	0	0	0	9	9
2:00	2:15	0	0	0	0	0	0		14:00	14:15	7	0	1	0	0	10	8
2:15	2:30	0	0	0	0	0	0		14:15	14:30	8	0	0	0	0	8	8
2:30	2:45	0	0	0	0	0	0		14:30	14:45	4	1	0	0	0	5	5
2:45	3:00	0	0	0	0	0	0		14:45	15:00	6	0	1	0	0	9	7
3:00	3:15	1	0	0	0	0	1		15:00	15:15	4	0	0	0	0	4	4
3:15	3:30	0	0	0	0	0	0		15:15	15:30	7	1	0	0	0	8	8
3:30	3:45	0	0	0	0	0	0		15:30	15:45	5	0	0	0	0	5	5
3:45	4:00	0	0	0	0	0	0		15:45	16:00	11	1	0	0	0	12	12
4:00	4:15	0	0	0	0	0	0		16:00	16:15	3	0	1	0	0	6	4
4:15	4:30	0	0	0	0	0	0		16:15	16:30	9	0	0	0	0	9	9
4:30	4:45	0	0	0	0	0	0		16:30	16:45	7	0	4	0	0	17	11
4:45	5:00	0	0	0	0	0	0		16:45	17:00	4	1	0	0	0	5	5
5:00	5:15	0	0	0	0	0	0		17:00	17:15	12	1	0	0	0	13	13
5:15	5:30	0	0	0	0	0	0		17:15	17:30	7	1	0	0	0	8	8
5:30	5:45	1	0	0	0	0	1		17:30	17:45	10	1	0	0	0	11	11
5:45	6:00	0	0	0	0	0	0		17:45	18:00	11	0	0	0	0	11	11
6:00	6:15	1	0	0	0	0	1		18:00	18:15	15	8	0	1	0	21	24
6:15	6:30	0	0	0	0	0	0		18:15	18:30	13	1	0	0	0	14	14
6:30	6:45	3	0	0	0	0	3		18:30	18:45	7	0	0	0	0	7	7
6:45	7:00	3	0	0	0	0	3		18:45	19:00	6	1	0	0	0	7	7
7:00	7:15	7	0	1	0	0	10		19:00	19:15	8	0	0	0	0	8	8
7:15	7:30	19	1	0	1	0	22		19:15	19:30	1	0	0	0	0	1	1
7:30	7:45	5	2	0	0	0	6		19:30	19:45	2	0	0	1	0	4	3
7:45	8:00	4	1	0	0	0	5		19:45	20:00	4	0	0	0	0	4	4
8:00	8:15	3	1	0	0	0	4		20:00	20:15	5	0	0	0	0	5	5
8:15	8:30	5	0	0	0	0	5		20:15	20:30	1	0	0	0	0	1	1
8:30	8:45	7	0	0	0	0	7		20:30	20:45	3	0	0	0	0	3	3
8:45	9:00	7	1	0	0	0	8		20:45	21:00	2	0	0	0	0	2	2
9:00	9:15	6	1	1	0	0	9		21:00	21:15	2	0	0	0	0	2	2
9:15	9:30	9	1	1	0	0	12		21:15	21:30	0	0	0	0	0	0	0
9:30	9:45	6	0	0	0	0	6		21:30	21:45	1	0	0	0	0	1	1
9:45	10:00	6	0	0	0	0	6		21:45	22:00	1	0	0	0	0	1	1
10:00	10:15	6	0	0	0	0	6		22:00	22:15	2	0	0	0	0	2	2
10:15	10:30	4	2	0	0	0	5		22:15	22:30	2	0	0	0	0	2	2
10:30	10:45	9	1	0	0	0	10		22:30	22:45	3	1	0	0	0	4	4
10:45	11:00	3	0	0	0	0	3		22:45	23:00	0	0	0	0	0	0	0
11:00	11:15	4	3	1	1	0	10		23:00	23:15	1	0	0	0	0	1	1
11:15	11:30	2	1	1	0	0	5		23:15	23:30	0	0	0	0	0	0	0
11:30	11:45	13	6	1	0	0	19		23:30	23:45	2	0	0	0	0	2	2
11:45	12:00	5	0	2	0	0	10		23:45	0:00	1	0	0	0	0	1	1