

# RELATÓRIO DE PESQUISAS

## CONTAGEM VOLUMÉTRICA CLASSIFICADA EM CRUZAMENTOS (15)

505 - Av. Dom Pedro I X R. Piauí

Ref.: RT-4378-01-200-3J21-505\_A



Ribeirão Preto - SP

Novembro de 2018

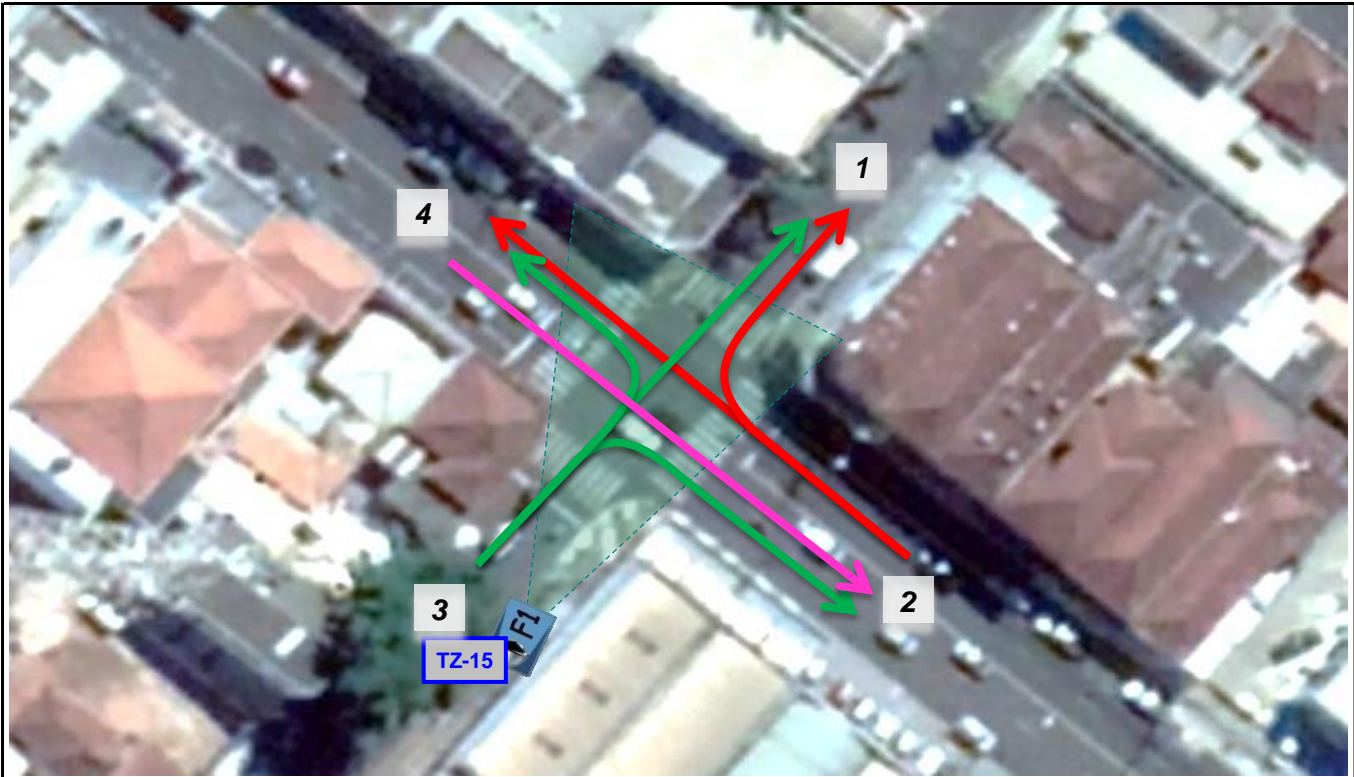
Responsável Técnico:

Fábio de Campos Bittencourt

CREA N°:

ART 28027230181266891

Croquis 505 - Av. Dom Pedro I X R. Piauí



Vídeos



Movimentos Contados

- 2 > 1 Av. Dom Pedro I conv à dir. R. Piauí
- 2 > 4 Av. Dom Pedro I em frente
- 3 > 1 R. Piauí em frente
- 3 > 2 R. Piauí conv à dir. Av. Dom Pedro I
- 3 > 4 R. Piauí conv à esq. Av. Dom Pedro I
- 4 > 2 Av. Dom Pedro I em frente

Perfil Horário 505 - Av. Dom Pedro I X R. Piauí

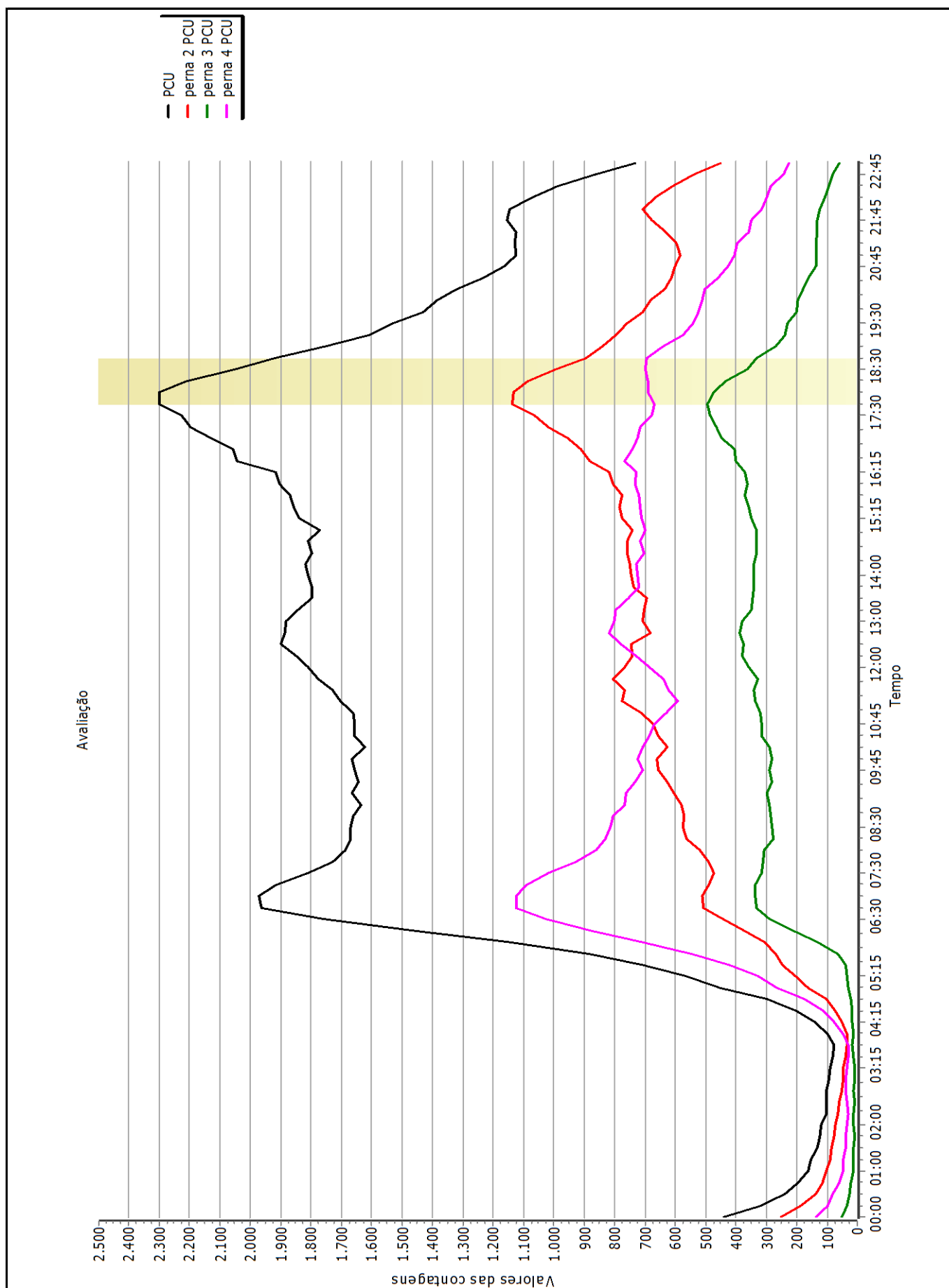


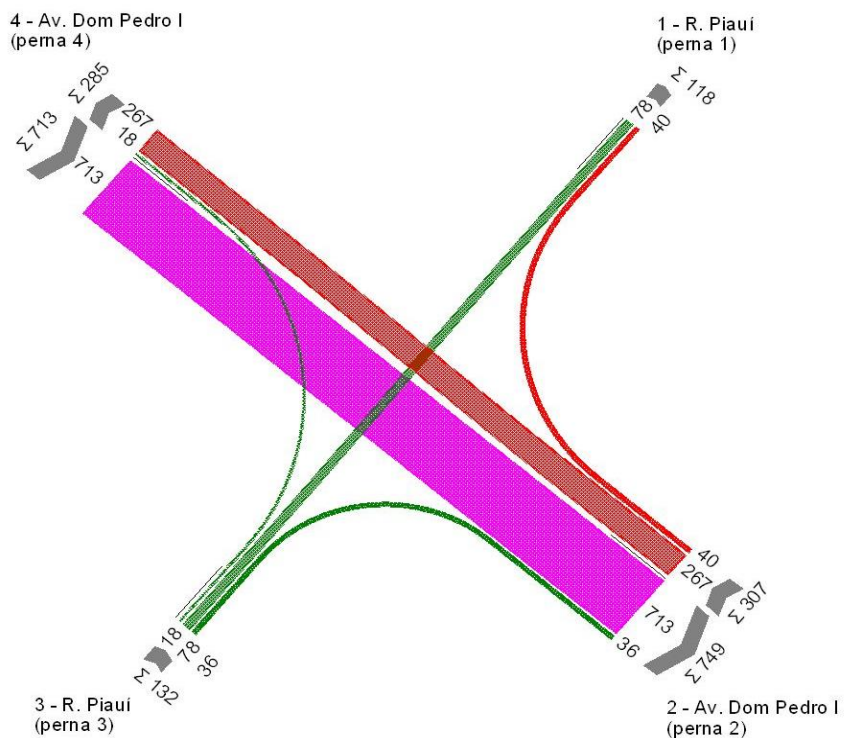
Diagrama de Fluxos

505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
Valor horário máximo 06:00 - 07:00  
On the basis of a time period 18.10.2018 06:00 - 18.10.2018 07:00  
1152 PCU

| De \ Para | 1  | 2   | 3 | 4   |
|-----------|----|-----|---|-----|
| 1         |    |     |   |     |
| 2         | 40 |     |   | 267 |
| 3         | 78 | 36  |   | 18  |
| 4         |    | 713 |   |     |

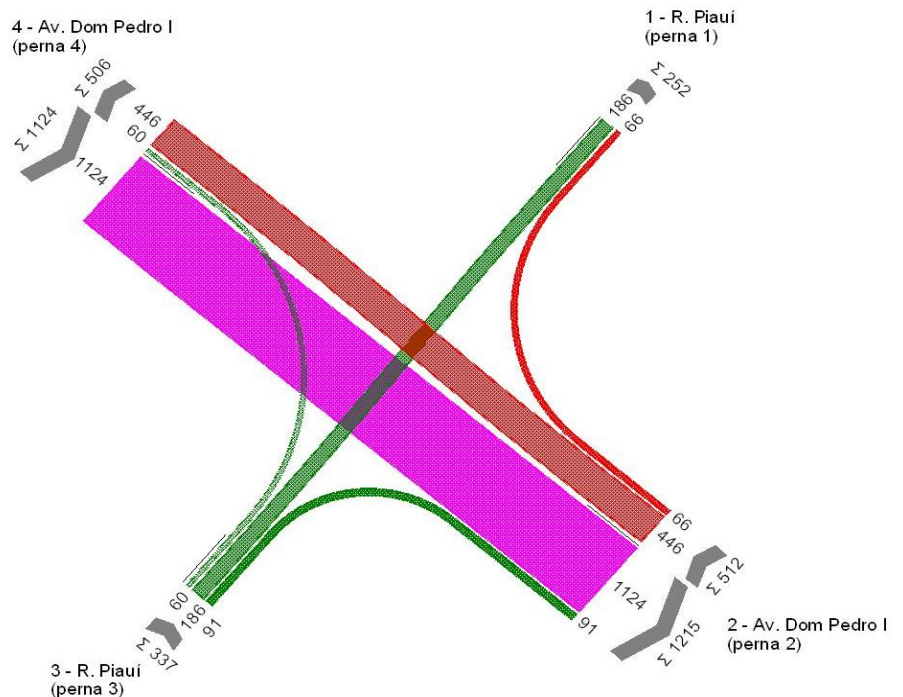
20  
100  
700



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
Valor horário máximo 07:00 - 08:00  
On the basis of a time period 18.10.2018 07:00 - 18.10.2018 08:00  
1973 PCU

| De \ Para | 1   | 2    | 3 | 4   |
|-----------|-----|------|---|-----|
| 1         |     |      |   |     |
| 2         | 66  |      |   | 446 |
| 3         | 186 | 91   |   | 60  |
| 4         |     | 1124 |   |     |

100  
500  
1000



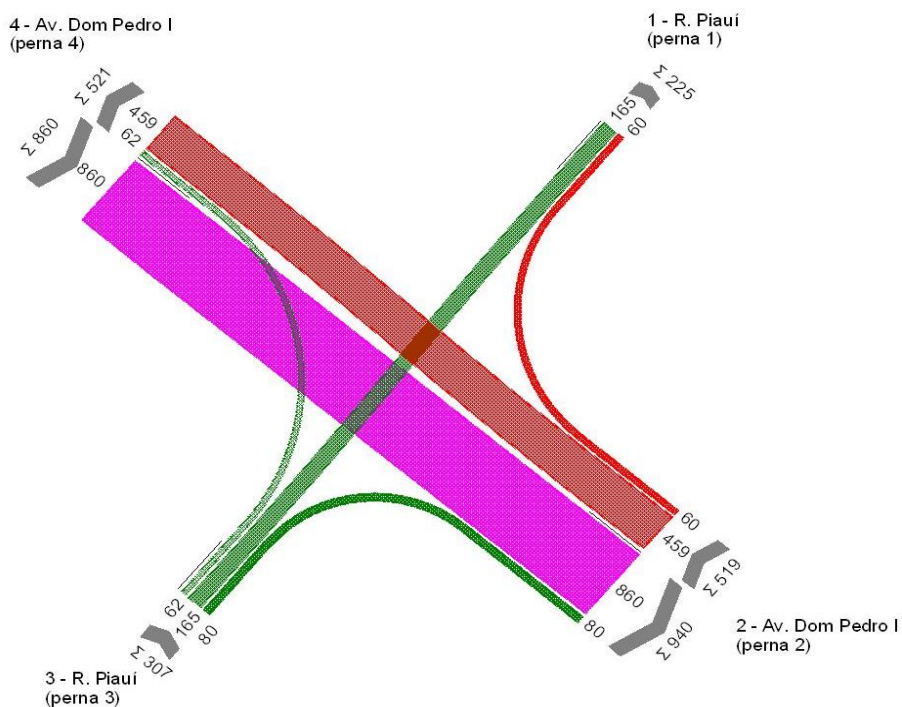


**Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí**

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 08:00 - 09:00  
 On the basis of a time period 18.10.2018 08:00 - 18.10.2018 09:00  
 1686 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 60  |     |   | 459 |
| 3         | 165 | 80  |   | 62  |
| 4         |     | 860 |   |     |

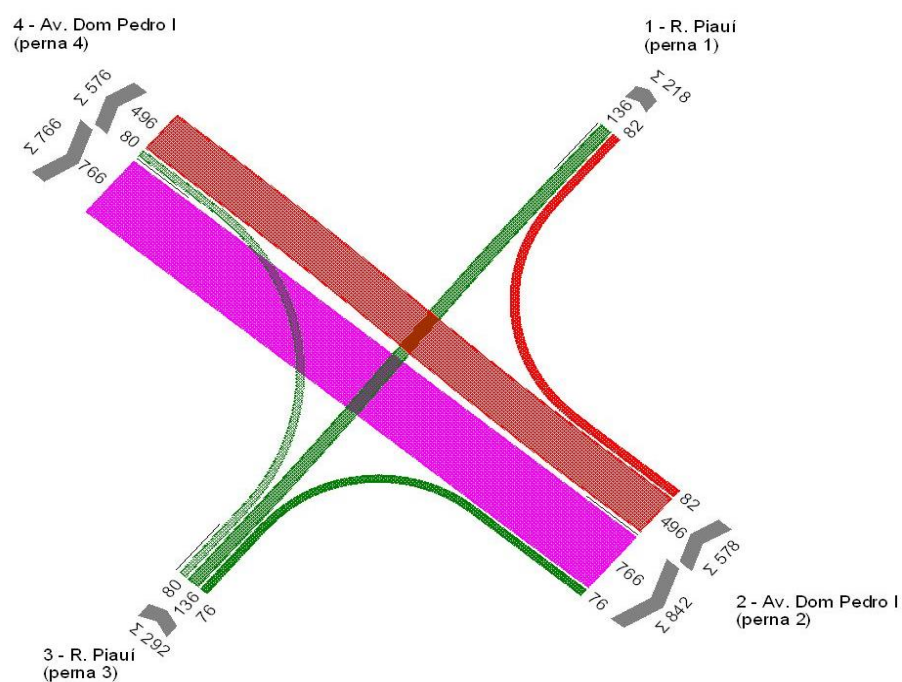
20  
 100  
 800



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 09:00 - 10:00  
 On the basis of a time period 18.10.2018 09:00 - 18.10.2018 10:00  
 1636 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 82  |     |   | 496 |
| 3         | 136 | 76  |   | 80  |
| 4         |     | 766 |   |     |

20  
 100  
 700

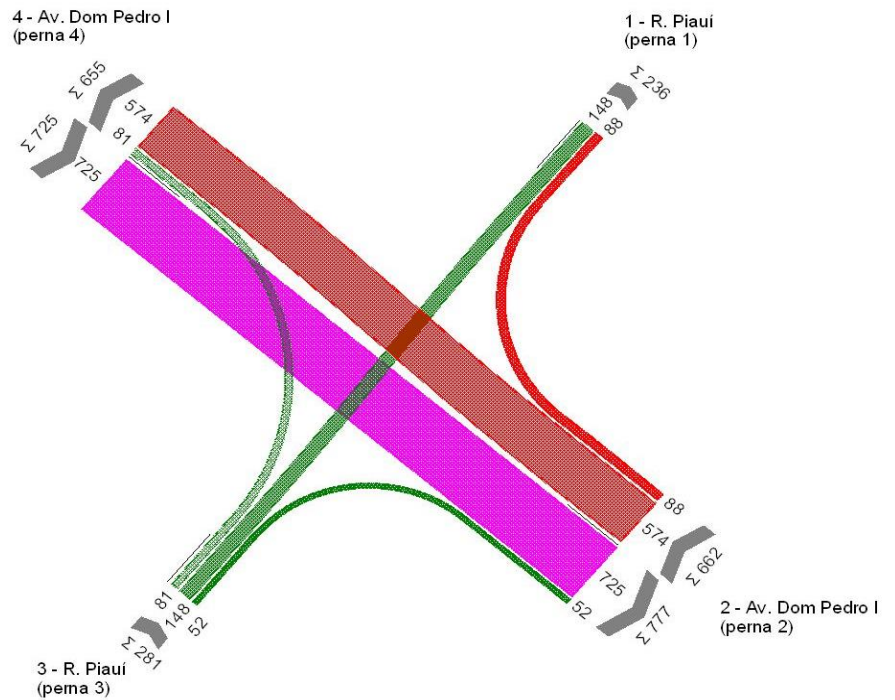


# Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 10:00 - 11:00  
 On the basis of a time period 18.10.2018 10:00 - 18.10.2018 11:00  
 1668 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 88  |     |   | 574 |
| 3         | 148 | 52  |   | 81  |
| 4         |     | 725 |   |     |

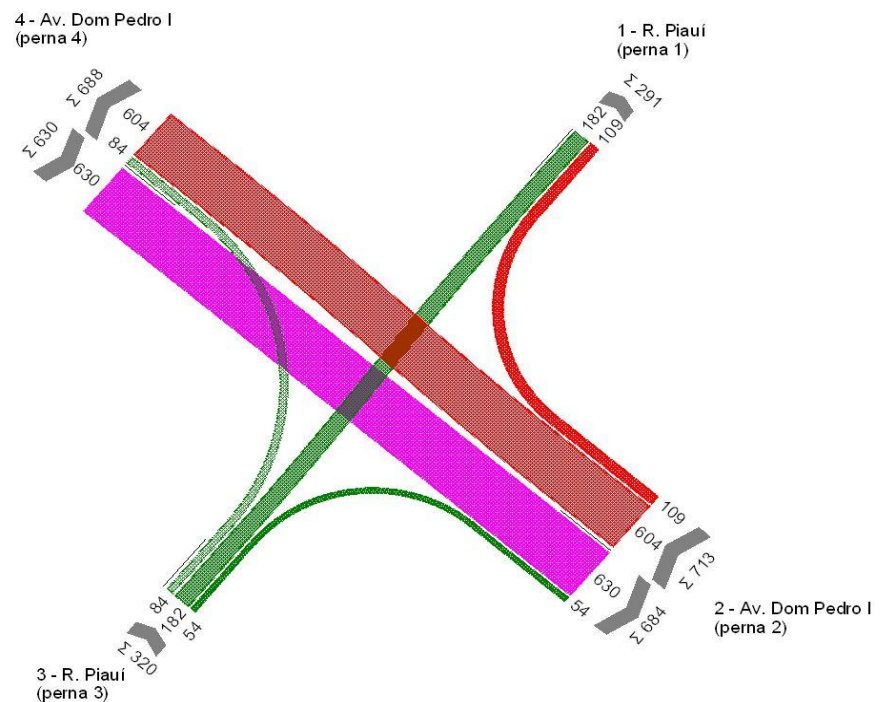
20  
 100  
 700



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 11:00 - 12:00  
 On the basis of a time period 18.10.2018 11:00 - 18.10.2018 12:00  
 1663 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 109 |     |   | 604 |
| 3         | 182 | 54  |   | 84  |
| 4         |     | 630 |   |     |

20  
 100  
 600

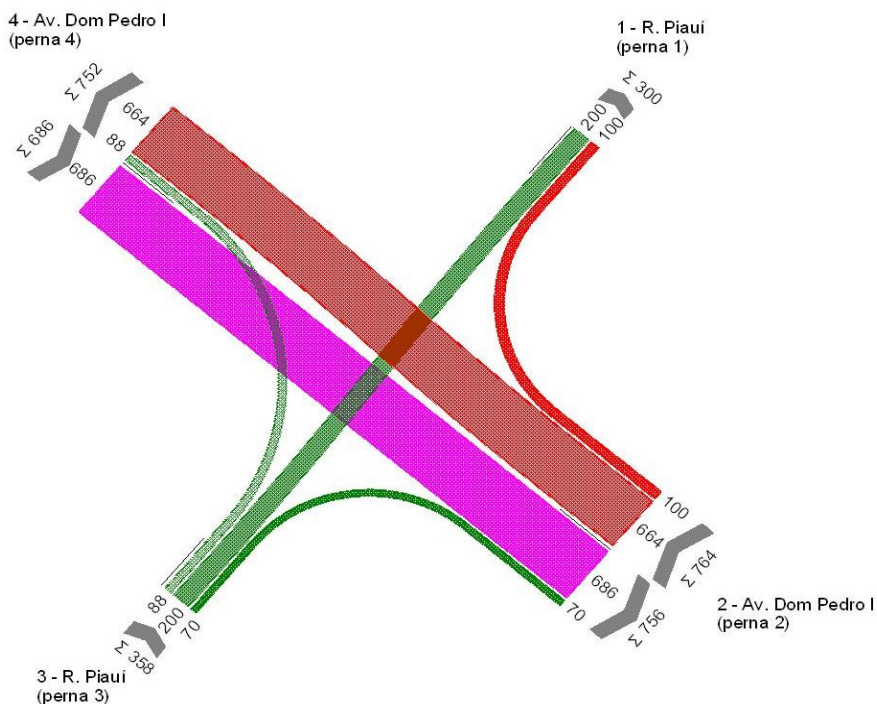


# Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
Valor horário máximo 12:00 - 13:00  
On the basis of a time period 18.10.2018 12:00 - 18.10.2018 13:00  
1808 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 100 |     |   | 664 |
| 3         | 200 | 70  |   | 88  |
| 4         |     | 686 |   |     |

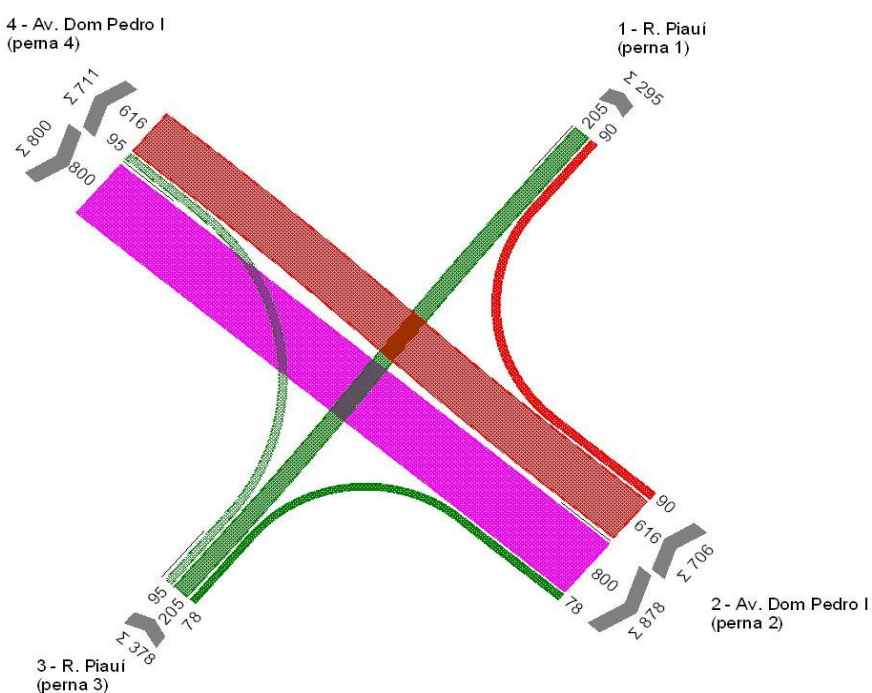
20  
100  
600



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
Valor horário máximo 13:00 - 14:00  
On the basis of a time period 18.10.2018 13:00 - 18.10.2018 14:00  
1884 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 90  |     |   | 616 |
| 3         | 205 | 78  |   | 95  |
| 4         |     | 800 |   |     |

20  
100  
800



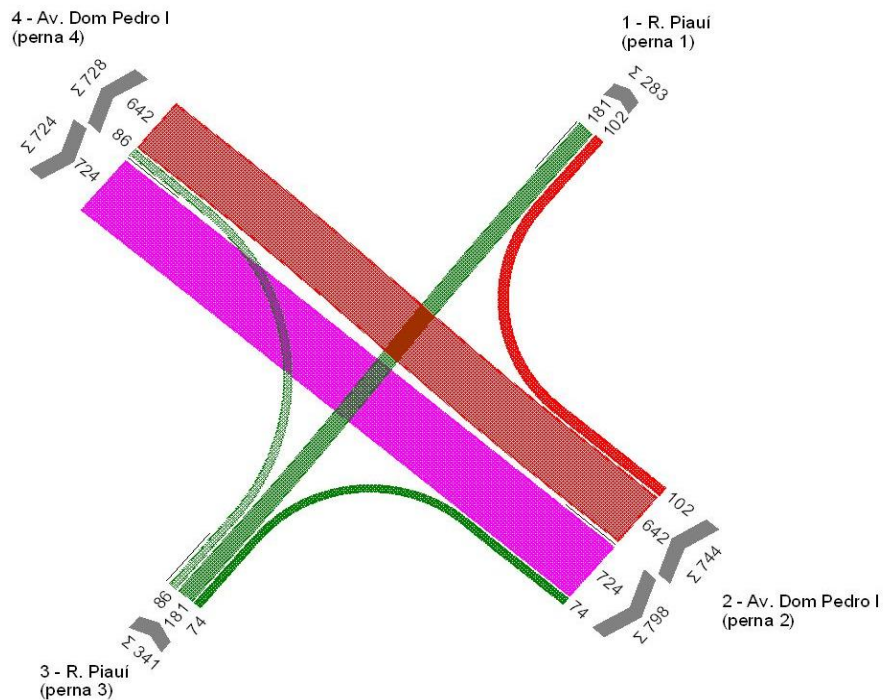


# Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 14:00 - 15:00  
 On the basis of a time period 18.10.2018 14:00 - 18.10.2018 15:00  
 1809 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 102 |     |   | 642 |
| 3         | 181 | 74  |   | 86  |
| 4         |     | 724 |   |     |

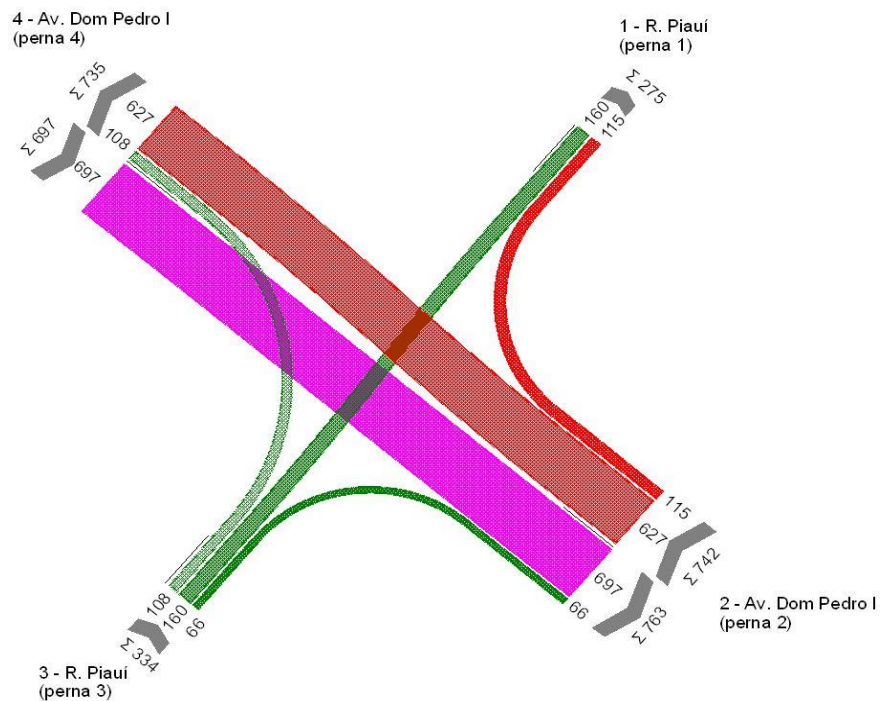
20  
 100  
 700



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 15:00 - 16:00  
 On the basis of a time period 18.10.2018 15:00 - 18.10.2018 16:00  
 1773 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 115 |     |   | 627 |
| 3         | 160 | 66  |   | 108 |
| 4         |     | 697 |   |     |

20  
 100  
 600



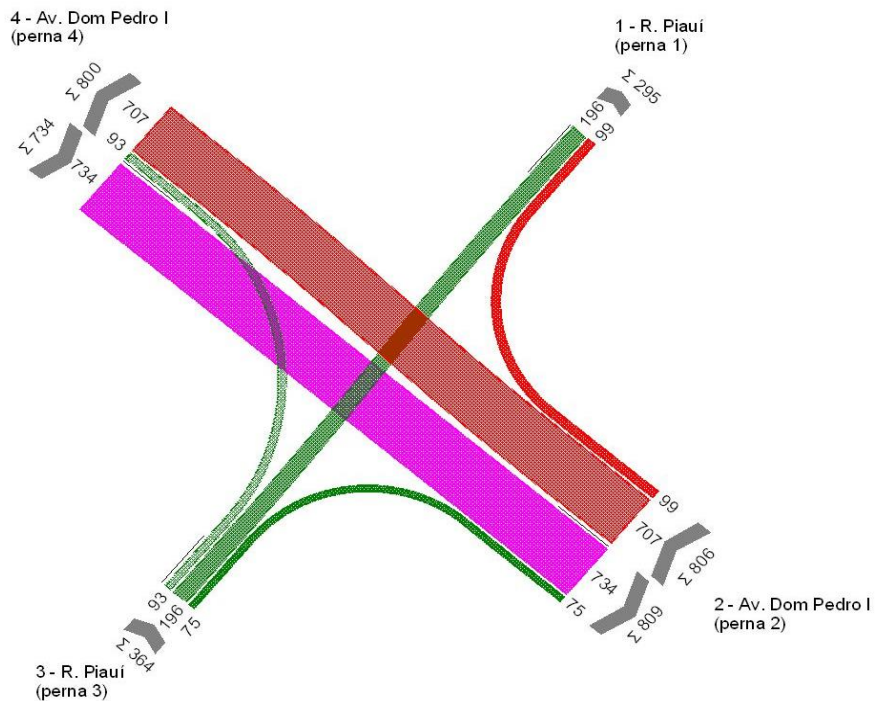


## Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 16:00 - 17:00  
 On the basis of a time period 18.10.2018 16:00 - 18.10.2018 17:00  
 1904 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 99  |     |   | 707 |
| 3         | 196 | 75  |   | 93  |
| 4         |     | 734 |   |     |

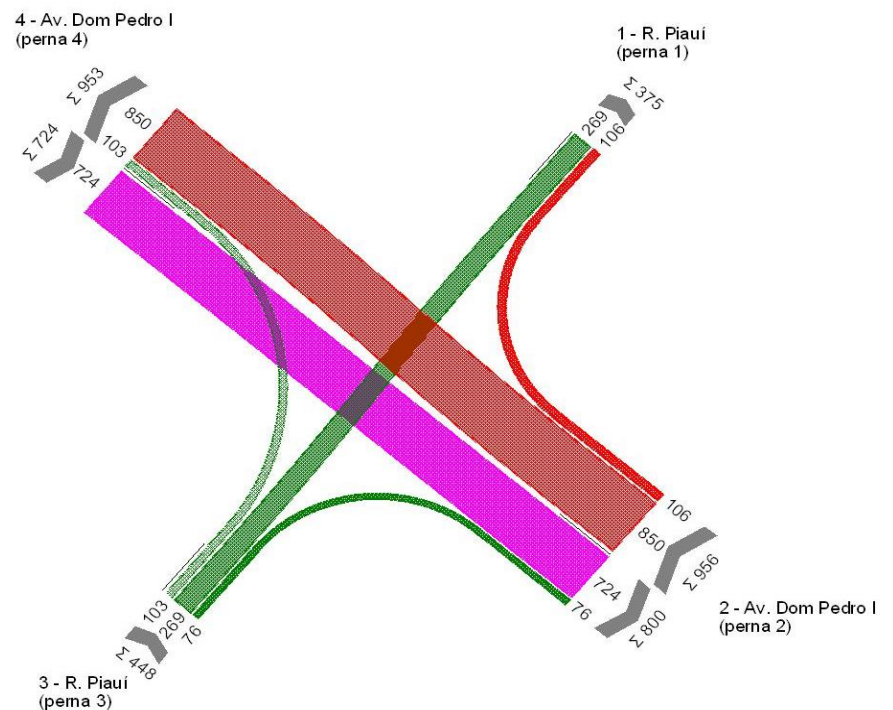
20  
 100  
 700



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 17:00 - 18:00  
 On the basis of a time period 18.10.2018 17:00 - 18.10.2018 18:00  
 2128 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 106 |     |   | 850 |
| 3         | 269 | 76  |   | 103 |
| 4         |     | 724 |   |     |

20  
 100  
 800

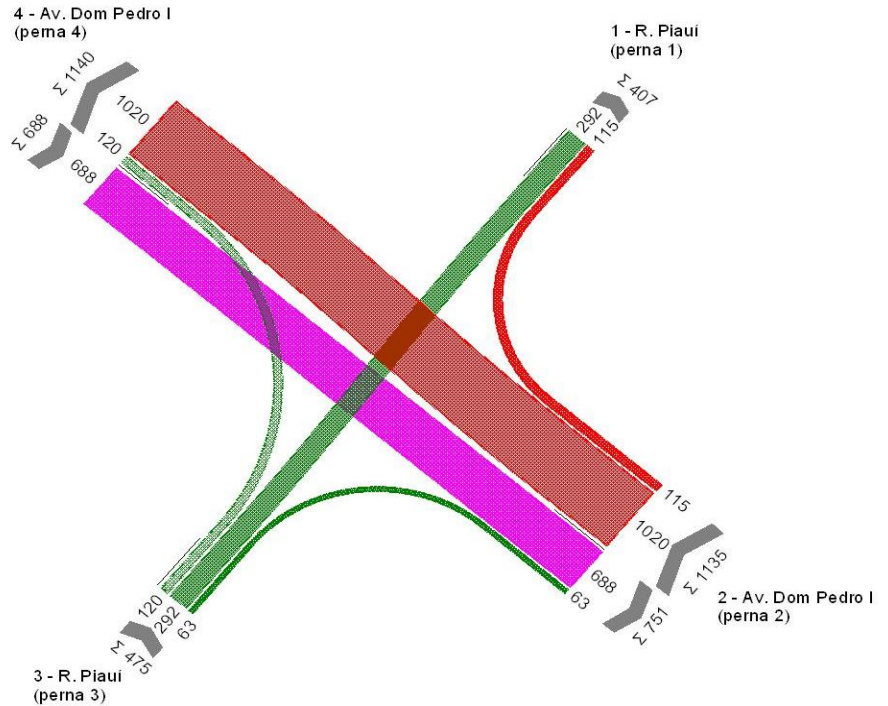


## Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 18:00 - 19:00  
 On the basis of a time period 18.10.2018 18:00 - 18.10.2018 19:00  
 2298 PCU

| De \ Para | 1   | 2   | 3 | 4    |
|-----------|-----|-----|---|------|
| 1         |     |     |   |      |
| 2         | 115 |     |   | 1020 |
| 3         | 292 | 63  |   | 120  |
| 4         |     | 688 |   |      |

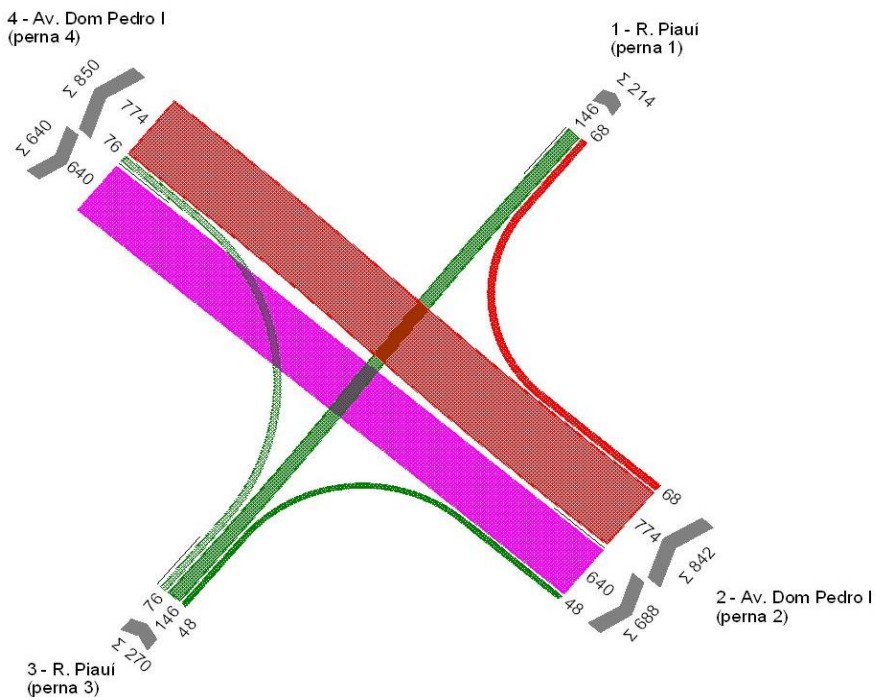
100  
 500  
 1000



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 19:00 - 20:00  
 On the basis of a time period 18.10.2018 19:00 - 18.10.2018 20:00  
 1752 PCU

| De \ Para | 1   | 2   | 3 | 4   |
|-----------|-----|-----|---|-----|
| 1         |     |     |   |     |
| 2         | 68  |     |   | 774 |
| 3         | 146 | 48  |   | 76  |
| 4         |     | 640 |   |     |

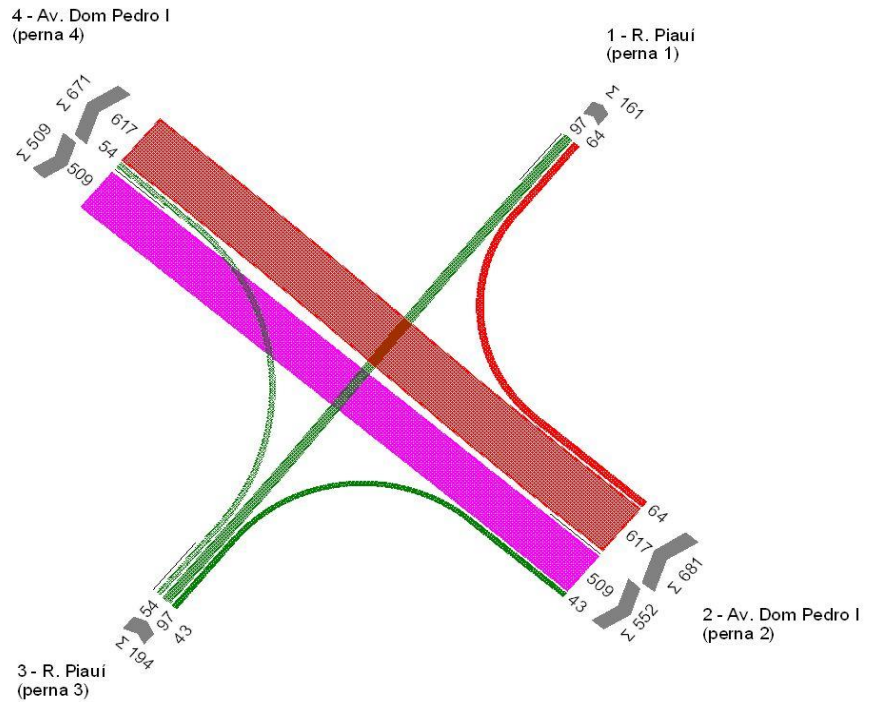
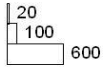
20  
 100  
 700



## Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

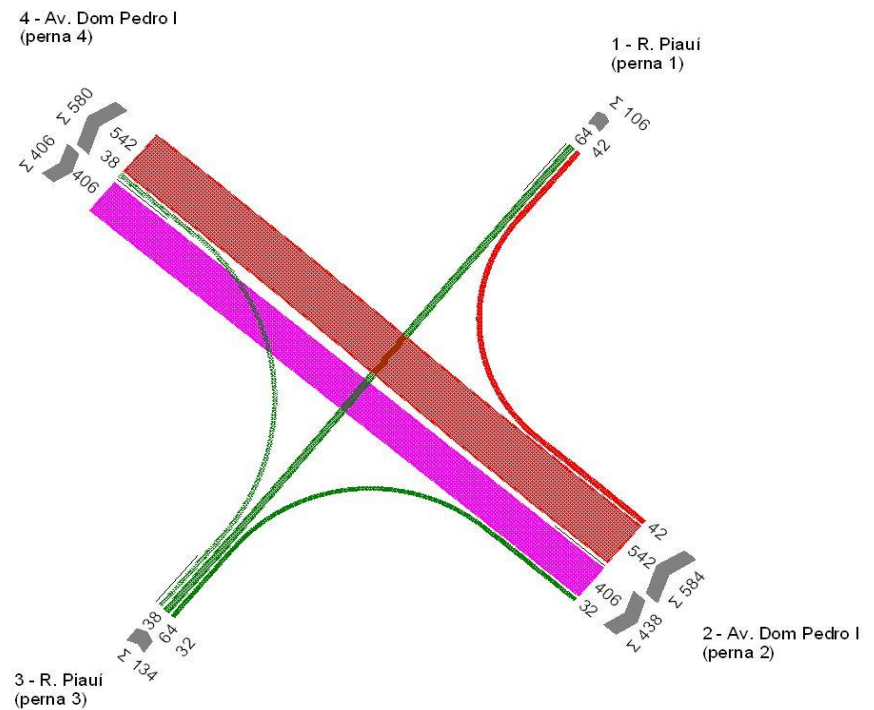
Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 20:00 - 21:00  
 On the basis of a time period 18.10.2018 20:00 - 18.10.2018 21:00  
 1384 PCU

| De \ Para | 1  | 2   | 3 | 4   |
|-----------|----|-----|---|-----|
| 1         |    |     |   |     |
| 2         | 64 |     |   | 617 |
| 3         | 97 | 43  |   | 54  |
| 4         |    | 509 |   |     |



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 21:00 - 22:00  
 On the basis of a time period 18.10.2018 21:00 - 18.10.2018 22:00  
 1124 PCU

| De \ Para | 1  | 2   | 3 | 4   |
|-----------|----|-----|---|-----|
| 1         |    |     |   |     |
| 2         | 42 |     |   | 542 |
| 3         | 64 | 32  |   | 38  |
| 4         |    | 406 |   |     |

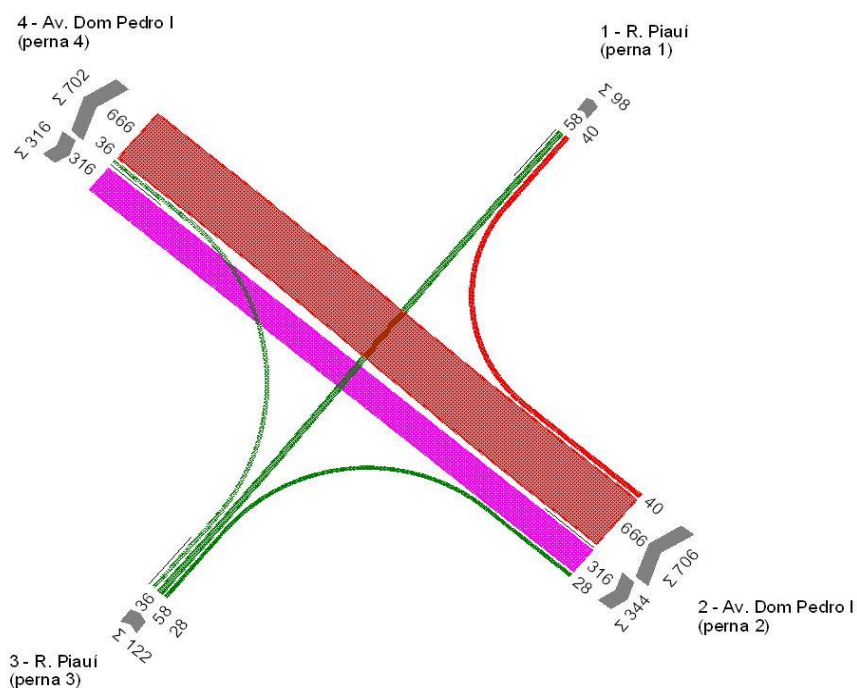
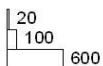




# Diagrama de Fluxos 505 - Av. Dom Pedro I X R. Piauí

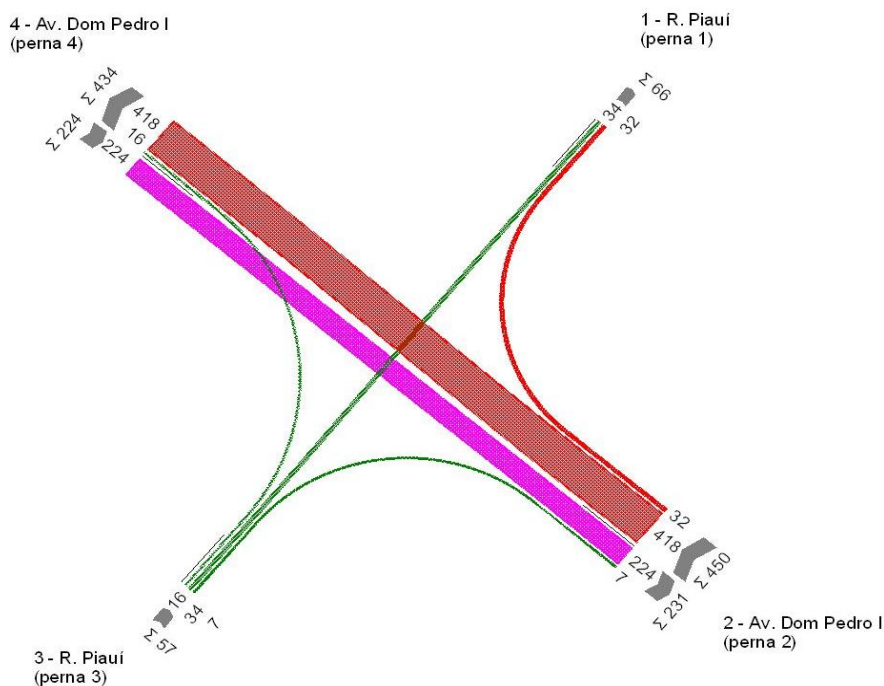
Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 22:00 - 23:00  
 On the basis of a time period 18.10.2018 22:00 - 18.10.2018 23:00  
 1144 PCU

| De \ Para | 1  | 2   | 3 | 4   |
|-----------|----|-----|---|-----|
| 1         |    |     |   |     |
| 2         | 40 |     |   | 666 |
| 3         | 58 | 28  |   | 36  |
| 4         |    | 316 |   |     |



Contagem De 18/10/2018 as 00h00 até 19/10/2018 as 00h00  
 Valor horário máximo 23:00 - 00:00  
 On the basis of a time period 18.10.2018 23:00 - 19.10.2018 00:00  
 731 PCU

| De \ Para | 1  | 2   | 3 | 4   |
|-----------|----|-----|---|-----|
| 1         |    |     |   |     |
| 2         | 32 |     |   | 418 |
| 3         | 34 | 7   |   | 16  |
| 4         |    | 224 |   |     |





PCU

505 - Av. Dom Pedro I X R. Piauí

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

2 > 1 Av. Dom Pedro I conv à dir. R. Piauí



Fluxo veicular a cada hora

| Período Manhã |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 0:00          | 1:00  | 6   | 5    | 0     | 2   | 0 | 13  | 13  |
| 1:00          | 2:00  | 3   | 2    | 0     | 1   | 0 | 6   | 6   |
| 2:00          | 3:00  | 3   | 1    | 0     | 1   | 0 | 6   | 5   |
| 3:00          | 4:00  | 3   | 1    | 0     | 1   | 0 | 6   | 5   |
| 4:00          | 5:00  | 3   | 3    | 0     | 0   | 0 | 5   | 6   |
| 5:00          | 6:00  | 4   | 1    | 1     | 2   | 0 | 11  | 8   |
| 6:00          | 7:00  | 26  | 8    | 0     | 5   | 0 | 40  | 39  |
| 7:00          | 8:00  | 41  | 15   | 3     | 5   | 0 | 66  | 64  |
| 8:00          | 9:00  | 40  | 16   | 1     | 5   | 0 | 61  | 62  |
| 9:00          | 10:00 | 52  | 35   | 1     | 5   | 0 | 82  | 93  |
| 10:00         | 11:00 | 50  | 40   | 3     | 5   | 0 | 88  | 98  |
| 11:00         | 12:00 | 68  | 57   | 1     | 5   | 0 | 109 | 131 |

| Período Tarde |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 12:00         | 13:00 | 55  | 51   | 4     | 5   | 0 | 101 | 115 |
| 13:00         | 14:00 | 54  | 43   | 2     | 5   | 0 | 91  | 104 |
| 14:00         | 15:00 | 75  | 24   | 2     | 5   | 0 | 102 | 106 |
| 15:00         | 16:00 | 83  | 43   | 1     | 4   | 0 | 115 | 131 |
| 16:00         | 17:00 | 66  | 36   | 2     | 5   | 0 | 99  | 109 |
| 17:00         | 18:00 | 77  | 36   | 1     | 4   | 0 | 106 | 118 |
| 18:00         | 19:00 | 84  | 28   | 2     | 6   | 0 | 115 | 120 |
| 19:00         | 20:00 | 51  | 13   | 0     | 5   | 0 | 68  | 69  |
| 20:00         | 21:00 | 51  | 11   | 0     | 4   | 0 | 65  | 66  |
| 21:00         | 22:00 | 31  | 2    | 0     | 5   | 0 | 42  | 38  |
| 22:00         | 23:00 | 24  | 11   | 0     | 5   | 0 | 40  | 40  |
| 23:00         | 0:00  | 21  | 2    | 1     | 4   | 0 | 33  | 28  |

## Movimento Contado

2 &gt; 1

Av. Dom Pedro I conv à dir. R. Piauí

## 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   | 2    | 0     | 1   | 0 | 5   | 13  | 5  | 12:00          | 12:15 | 9   | 15   | 2     | 0   | 0 | 22  | 101 | 26 |
| 0:15           | 0:30  | 2   | 1    | 0     | 1   | 0 | 5   |     | 4  | 12:15          | 12:30 | 14  | 11   | 0     | 2   | 0 | 24  |     | 27 |
| 0:30           | 0:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 12:30          | 12:45 | 20  | 17   | 1     | 2   | 0 | 35  |     | 40 |
| 0:45           | 1:00  | 2   | 2    | 0     | 0   | 0 | 3   |     | 4  | 12:45          | 13:00 | 12  | 8    | 1     | 1   | 0 | 21  |     | 22 |
| 1:00           | 1:15  | 2   | 0    | 0     | 0   | 0 | 2   | 6   | 2  | 13:00          | 13:15 | 10  | 6    | 1     | 2   | 0 | 20  | 91  | 19 |
| 1:15           | 1:30  | 0   | 0    | 0     | 1   | 0 | 2   |     | 1  | 13:15          | 13:30 | 14  | 15   | 1     | 1   | 0 | 26  |     | 31 |
| 1:30           | 1:45  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 13:30          | 13:45 | 13  | 11   | 0     | 1   | 0 | 21  |     | 25 |
| 1:45           | 2:00  | 0   | 1    | 0     | 0   | 0 | 1   |     | 1  | 13:45          | 14:00 | 17  | 11   | 0     | 1   | 0 | 25  |     | 29 |
| 2:00           | 2:15  | 0   | 0    | 0     | 0   | 0 | 0   | 6   | 0  | 14:00          | 14:15 | 16  | 6    | 1     | 2   | 0 | 26  | 102 | 25 |
| 2:15           | 2:30  | 2   | 1    | 0     | 0   | 0 | 3   |     | 3  | 14:15          | 14:30 | 17  | 5    | 0     | 0   | 0 | 20  |     | 22 |
| 2:30           | 2:45  | 0   | 0    | 0     | 1   | 0 | 2   |     | 1  | 14:30          | 14:45 | 20  | 4    | 1     | 1   | 0 | 27  |     | 26 |
| 2:45           | 3:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 14:45          | 15:00 | 22  | 9    | 0     | 2   | 0 | 31  |     | 33 |
| 3:00           | 3:15  | 1   | 0    | 0     | 0   | 0 | 1   | 6   | 1  | 15:00          | 15:15 | 22  | 9    | 0     | 0   | 0 | 27  | 115 | 31 |
| 3:15           | 3:30  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 15:15          | 15:30 | 22  | 6    | 1     | 1   | 0 | 30  |     | 30 |
| 3:30           | 3:45  | 0   | 1    | 0     | 0   | 0 | 1   |     | 1  | 15:30          | 15:45 | 22  | 9    | 0     | 2   | 0 | 31  |     | 33 |
| 3:45           | 4:00  | 0   | 0    | 0     | 1   | 0 | 2   |     | 1  | 15:45          | 16:00 | 17  | 19   | 0     | 1   | 0 | 29  |     | 37 |
| 4:00           | 4:15  | 0   | 2    | 0     | 0   | 0 | 1   | 5   | 2  | 16:00          | 16:15 | 20  | 9    | 0     | 1   | 0 | 27  | 99  | 30 |
| 4:15           | 4:30  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 16:15          | 16:30 | 17  | 7    | 1     | 1   | 0 | 25  |     | 26 |
| 4:30           | 4:45  | 0   | 1    | 0     | 0   | 0 | 1   |     | 1  | 16:30          | 16:45 | 18  | 10   | 0     | 1   | 0 | 25  |     | 29 |
| 4:45           | 5:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 16:45          | 17:00 | 11  | 10   | 1     | 2   | 0 | 23  |     | 24 |
| 5:00           | 5:15  | 1   | 0    | 0     | 1   | 0 | 3   | 11  | 2  | 17:00          | 17:15 | 19  | 7    | 0     | 0   | 0 | 23  | 106 | 26 |
| 5:15           | 5:30  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 17:15          | 17:30 | 19  | 12   | 1     | 2   | 0 | 32  |     | 34 |
| 5:30           | 5:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 17:30          | 17:45 | 17  | 11   | 0     | 1   | 0 | 25  |     | 29 |
| 5:45           | 6:00  | 2   | 0    | 1     | 1   | 0 | 7   |     | 4  | 17:45          | 18:00 | 22  | 6    | 0     | 1   | 0 | 27  |     | 29 |
| 6:00           | 6:15  | 3   | 3    | 0     | 2   | 0 | 9   | 40  | 8  | 18:00          | 18:15 | 25  | 11   | 0     | 1   | 0 | 33  | 115 | 37 |
| 6:15           | 6:30  | 3   | 2    | 0     | 2   | 0 | 8   |     | 7  | 18:15          | 18:30 | 27  | 6    | 0     | 1   | 0 | 32  |     | 34 |
| 6:30           | 6:45  | 10  | 2    | 0     | 0   | 0 | 11  |     | 12 | 18:30          | 18:45 | 16  | 6    | 1     | 1   | 0 | 24  |     | 24 |
| 6:45           | 7:00  | 10  | 1    | 0     | 1   | 0 | 13  |     | 12 | 18:45          | 19:00 | 16  | 5    | 1     | 3   | 0 | 27  |     | 25 |
| 7:00           | 7:15  | 9   | 4    | 1     | 2   | 0 | 18  | 66  | 16 | 19:00          | 19:15 | 13  | 2    | 0     | 1   | 0 | 16  | 68  | 16 |
| 7:15           | 7:30  | 13  | 4    | 0     | 1   | 0 | 17  |     | 18 | 19:15          | 19:30 | 11  | 9    | 0     | 2   | 0 | 20  |     | 22 |
| 7:30           | 7:45  | 8   | 2    | 1     | 1   | 0 | 14  |     | 12 | 19:30          | 19:45 | 14  | 2    | 0     | 1   | 0 | 17  |     | 17 |
| 7:45           | 8:00  | 11  | 5    | 1     | 1   | 0 | 18  |     | 18 | 19:45          | 20:00 | 13  | 0    | 0     | 1   | 0 | 15  |     | 14 |
| 8:00           | 8:15  | 5   | 3    | 0     | 2   | 0 | 11  | 61  | 10 | 20:00          | 20:15 | 17  | 2    | 0     | 1   | 0 | 20  | 65  | 20 |
| 8:15           | 8:30  | 8   | 3    | 1     | 0   | 0 | 12  |     | 12 | 20:15          | 20:30 | 16  | 3    | 0     | 1   | 0 | 20  |     | 20 |
| 8:30           | 8:45  | 12  | 4    | 0     | 2   | 0 | 18  |     | 18 | 20:30          | 20:45 | 11  | 4    | 0     | 1   | 0 | 15  |     | 16 |
| 8:45           | 9:00  | 15  | 6    | 0     | 1   | 0 | 20  |     | 22 | 20:45          | 21:00 | 7   | 2    | 0     | 1   | 0 | 10  |     | 10 |
| 9:00           | 9:15  | 11  | 12   | 1     | 0   | 0 | 20  | 82  | 24 | 21:00          | 21:15 | 10  | 0    | 0     | 2   | 0 | 14  | 42  | 12 |
| 9:15           | 9:30  | 12  | 7    | 0     | 2   | 0 | 20  |     | 21 | 21:15          | 21:30 | 10  | 0    | 0     | 0   | 0 | 10  |     | 10 |
| 9:30           | 9:45  | 15  | 10   | 0     | 1   | 0 | 22  |     | 26 | 21:30          | 21:45 | 3   | 1    | 0     | 2   | 0 | 8   |     | 6  |
| 9:45           | 10:00 | 14  | 6    | 0     | 2   | 0 | 21  |     | 22 | 21:45          | 22:00 | 8   | 1    | 0     | 1   | 0 | 11  |     | 10 |
| 10:00          | 10:15 | 14  | 11   | 2     | 2   | 0 | 29  | 88  | 29 | 22:00          | 22:15 | 8   | 2    | 0     | 1   | 0 | 11  | 40  | 11 |
| 10:15          | 10:30 | 14  | 12   | 1     | 0   | 0 | 23  |     | 27 | 22:15          | 22:30 | 5   | 4    | 0     | 2   | 0 | 11  |     | 11 |
| 10:30          | 10:45 | 15  | 7    | 0     | 1   | 0 | 21  |     | 23 | 22:30          | 22:45 | 7   | 2    | 0     | 1   | 0 | 10  |     | 10 |
| 10:45          | 11:00 | 7   | 10   | 0     | 2   | 0 | 16  |     | 19 | 22:45          | 23:00 | 4   | 3    | 0     | 1   | 0 | 8   |     | 8  |
| 11:00          | 11:15 | 8   | 16   | 0     | 0   | 0 | 16  | 109 | 24 | 23:00          | 23:15 | 9   | 0    | 0     | 1   | 0 | 11  | 33  | 10 |
| 11:15          | 11:30 | 23  | 12   | 0     | 2   | 0 | 33  |     | 37 | 23:15          | 23:30 | 7   | 1    | 1     | 1   | 0 | 12  |     | 10 |
| 11:30          | 11:45 | 11  | 12   | 0     | 2   | 0 | 21  |     | 25 | 23:30          | 23:45 | 3   | 1    | 0     | 1   | 0 | 6   |     | 5  |
| 11:45          | 12:00 | 26  | 17   | 1     | 1   | 0 | 39  |     | 45 | 23:45          | 0:00  | 2   | 0    | 0     | 1   | 0 | 4   |     | 3  |



Movimento Contado

2 > 4 Av. Dom Pedro I em frente



Fluxo veicular a cada hora

| Período Manhã |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 0:00          | 1:00  | 199 | 69   | 0     | 3   | 0 | 240 | 271 |
| 1:00          | 2:00  | 73  | 45   | 0     | 0   | 0 | 96  | 118 |
| 2:00          | 3:00  | 59  | 18   | 0     | 0   | 0 | 68  | 77  |
| 3:00          | 4:00  | 34  | 13   | 0     | 0   | 0 | 41  | 47  |
| 4:00          | 5:00  | 27  | 5    | 1     | 0   | 0 | 32  | 33  |
| 5:00          | 6:00  | 90  | 27   | 0     | 24  | 0 | 152 | 141 |
| 6:00          | 7:00  | 170 | 65   | 1     | 31  | 0 | 267 | 267 |
| 7:00          | 8:00  | 338 | 108  | 5     | 21  | 0 | 447 | 472 |
| 8:00          | 9:00  | 325 | 127  | 13    | 19  | 0 | 459 | 484 |
| 9:00          | 10:00 | 358 | 151  | 10    | 19  | 0 | 497 | 538 |
| 10:00         | 11:00 | 408 | 178  | 17    | 17  | 0 | 574 | 620 |
| 11:00         | 12:00 | 444 | 207  | 8     | 18  | 0 | 604 | 677 |

| Período Tarde |       |     |      |       |     |   |      |      |
|---------------|-------|-----|------|-------|-----|---|------|------|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU  | VEC  |
| 12:00         | 13:00 | 473 | 241  | 14    | 18  | 0 | 665  | 746  |
| 13:00         | 14:00 | 450 | 201  | 11    | 19  | 0 | 616  | 681  |
| 14:00         | 15:00 | 483 | 210  | 9     | 16  | 0 | 643  | 718  |
| 15:00         | 16:00 | 453 | 203  | 13    | 20  | 0 | 627  | 689  |
| 16:00         | 17:00 | 522 | 216  | 14    | 21  | 0 | 707  | 773  |
| 17:00         | 18:00 | 640 | 279  | 10    | 23  | 0 | 851  | 952  |
| 18:00         | 19:00 | 798 | 317  | 10    | 19  | 0 | 1020 | 1144 |
| 19:00         | 20:00 | 640 | 182  | 5     | 15  | 0 | 774  | 842  |
| 20:00         | 21:00 | 523 | 125  | 3     | 12  | 0 | 617  | 663  |
| 21:00         | 22:00 | 461 | 100  | 1     | 14  | 0 | 542  | 576  |
| 22:00         | 23:00 | 567 | 132  | 3     | 13  | 0 | 667  | 715  |
| 23:00         | 0:00  | 338 | 84   | 5     | 13  | 0 | 419  | 440  |



## Movimento Contado

2 &gt; 4

Av. Dom Pedro I 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  | 75  | 30   | 0     | 0   | 0 | 90  | 240 | 105 | 12:00          | 12:15 | 132 | 61   | 3     | 5   | 0 | 180 | 665  | 201 |
| 0:15           | 0:30  | 56  | 19   | 0     | 3   | 0 | 72  |     | 78  | 12:15          | 12:30 | 117 | 63   | 2     | 6   | 0 | 166 |      | 188 |
| 0:30           | 0:45  | 40  | 11   | 0     | 0   | 0 | 46  |     | 51  | 12:30          | 12:45 | 133 | 50   | 8     | 3   | 0 | 184 |      | 194 |
| 0:45           | 1:00  | 28  | 9    | 0     | 0   | 0 | 33  |     | 37  | 12:45          | 13:00 | 91  | 67   | 1     | 4   | 0 | 135 |      | 163 |
| 1:00           | 1:15  | 23  | 14   | 0     | 0   | 0 | 30  | 96  | 37  | 13:00          | 13:15 | 122 | 45   | 1     | 5   | 0 | 157 | 616  | 173 |
| 1:15           | 1:30  | 15  | 13   | 0     | 0   | 0 | 22  |     | 28  | 13:15          | 13:30 | 116 | 51   | 6     | 5   | 0 | 167 |      | 178 |
| 1:30           | 1:45  | 17  | 12   | 0     | 0   | 0 | 23  |     | 29  | 13:30          | 13:45 | 103 | 42   | 3     | 3   | 0 | 138 |      | 151 |
| 1:45           | 2:00  | 18  | 6    | 0     | 0   | 0 | 21  |     | 24  | 13:45          | 14:00 | 109 | 63   | 1     | 6   | 0 | 155 |      | 179 |
| 2:00           | 2:15  | 18  | 4    | 0     | 0   | 0 | 20  | 68  | 22  | 14:00          | 14:15 | 109 | 57   | 1     | 4   | 0 | 148 | 643  | 171 |
| 2:15           | 2:30  | 11  | 10   | 0     | 0   | 0 | 16  |     | 21  | 14:15          | 14:30 | 126 | 48   | 3     | 4   | 0 | 166 |      | 181 |
| 2:30           | 2:45  | 15  | 3    | 0     | 0   | 0 | 17  |     | 18  | 14:30          | 14:45 | 129 | 57   | 3     | 4   | 0 | 173 |      | 193 |
| 2:45           | 3:00  | 15  | 1    | 0     | 0   | 0 | 16  |     | 16  | 14:45          | 15:00 | 119 | 48   | 2     | 4   | 0 | 156 |      | 173 |
| 3:00           | 3:15  | 7   | 2    | 0     | 0   | 0 | 8   | 41  | 9   | 15:00          | 15:15 | 107 | 53   | 3     | 5   | 0 | 151 | 627  | 168 |
| 3:15           | 3:30  | 11  | 2    | 0     | 0   | 0 | 12  |     | 13  | 15:15          | 15:30 | 122 | 51   | 3     | 5   | 0 | 165 |      | 181 |
| 3:30           | 3:45  | 11  | 4    | 0     | 0   | 0 | 13  |     | 15  | 15:30          | 15:45 | 123 | 51   | 6     | 4   | 0 | 172 |      | 184 |
| 3:45           | 4:00  | 5   | 5    | 0     | 0   | 0 | 8   |     | 10  | 15:45          | 16:00 | 101 | 48   | 1     | 6   | 0 | 140 |      | 156 |
| 4:00           | 4:15  | 8   | 2    | 0     | 0   | 0 | 9   | 32  | 10  | 16:00          | 16:15 | 139 | 62   | 3     | 4   | 0 | 186 | 707  | 208 |
| 4:15           | 4:30  | 4   | 1    | 0     | 0   | 0 | 5   |     | 5   | 16:15          | 16:30 | 119 | 58   | 5     | 8   | 0 | 177 |      | 190 |
| 4:30           | 4:45  | 4   | 1    | 1     | 0   | 0 | 7   |     | 6   | 16:30          | 16:45 | 126 | 51   | 4     | 4   | 0 | 170 |      | 185 |
| 4:45           | 5:00  | 11  | 1    | 0     | 0   | 0 | 12  |     | 12  | 16:45          | 17:00 | 138 | 45   | 2     | 5   | 0 | 176 |      | 190 |
| 5:00           | 5:15  | 10  | 8    | 0     | 3   | 0 | 20  | 152 | 21  | 17:00          | 17:15 | 153 | 55   | 2     | 8   | 0 | 202 | 851  | 218 |
| 5:15           | 5:30  | 18  | 6    | 0     | 4   | 0 | 29  |     | 28  | 17:15          | 17:30 | 172 | 85   | 3     | 5   | 0 | 232 |      | 265 |
| 5:30           | 5:45  | 24  | 6    | 0     | 5   | 0 | 37  |     | 35  | 17:30          | 17:45 | 151 | 64   | 3     | 6   | 0 | 203 |      | 224 |
| 5:45           | 6:00  | 38  | 7    | 0     | 12  | 0 | 66  |     | 57  | 17:45          | 18:00 | 164 | 75   | 2     | 4   | 0 | 215 |      | 245 |
| 6:00           | 6:15  | 34  | 18   | 1     | 6   | 0 | 58  | 267 | 59  | 18:00          | 18:15 | 191 | 72   | 5     | 6   | 0 | 252 | 1020 | 274 |
| 6:15           | 6:30  | 32  | 13   | 0     | 12  | 0 | 63  |     | 57  | 18:15          | 18:30 | 201 | 118  | 3     | 6   | 0 | 280 |      | 328 |
| 6:30           | 6:45  | 31  | 13   | 0     | 6   | 0 | 50  |     | 50  | 18:30          | 18:45 | 231 | 67   | 2     | 4   | 0 | 278 |      | 304 |
| 6:45           | 7:00  | 73  | 21   | 0     | 7   | 0 | 98  |     | 101 | 18:45          | 19:00 | 175 | 60   | 0     | 3   | 0 | 211 |      | 238 |
| 7:00           | 7:15  | 89  | 28   | 1     | 3   | 0 | 112 | 447 | 121 | 19:00          | 19:15 | 167 | 71   | 2     | 6   | 0 | 220 | 774  | 246 |
| 7:15           | 7:30  | 91  | 31   | 2     | 8   | 0 | 128 |     | 132 | 19:15          | 19:30 | 160 | 54   | 2     | 3   | 0 | 198 |      | 219 |
| 7:30           | 7:45  | 89  | 17   | 2     | 3   | 0 | 109 |     | 111 | 19:30          | 19:45 | 161 | 34   | 0     | 4   | 0 | 186 |      | 199 |
| 7:45           | 8:00  | 69  | 32   | 0     | 7   | 0 | 99  |     | 108 | 19:45          | 20:00 | 152 | 23   | 1     | 2   | 0 | 170 |      | 178 |
| 8:00           | 8:15  | 72  | 26   | 2     | 3   | 0 | 96  | 459 | 103 | 20:00          | 20:15 | 143 | 32   | 1     | 5   | 0 | 172 | 617  | 181 |
| 8:15           | 8:30  | 75  | 35   | 6     | 4   | 0 | 116 |     | 120 | 20:15          | 20:30 | 132 | 39   | 1     | 3   | 0 | 160 |      | 175 |
| 8:30           | 8:45  | 83  | 37   | 2     | 7   | 0 | 121 |     | 129 | 20:30          | 20:45 | 121 | 26   | 0     | 1   | 0 | 136 |      | 148 |
| 8:45           | 9:00  | 95  | 29   | 3     | 5   | 0 | 127 |     | 132 | 20:45          | 21:00 | 127 | 28   | 1     | 3   | 0 | 150 |      | 159 |
| 9:00           | 9:15  | 102 | 36   | 1     | 3   | 0 | 129 | 497 | 142 | 21:00          | 21:15 | 109 | 26   | 0     | 5   | 0 | 132 | 542  | 140 |
| 9:15           | 9:30  | 91  | 34   | 1     | 6   | 0 | 123 |     | 132 | 21:15          | 21:30 | 122 | 29   | 1     | 3   | 0 | 145 |      | 155 |
| 9:30           | 9:45  | 78  | 49   | 1     | 4   | 0 | 113 |     | 132 | 21:30          | 21:45 | 118 | 20   | 0     | 2   | 0 | 132 |      | 140 |
| 9:45           | 10:00 | 87  | 32   | 7     | 6   | 0 | 133 |     | 132 | 21:45          | 22:00 | 112 | 25   | 0     | 4   | 0 | 133 |      | 141 |
| 10:00          | 10:15 | 104 | 43   | 5     | 4   | 0 | 146 | 574 | 156 | 22:00          | 22:15 | 135 | 18   | 0     | 3   | 0 | 150 | 667  | 156 |
| 10:15          | 10:30 | 103 | 43   | 3     | 5   | 0 | 142 |     | 154 | 22:15          | 22:30 | 142 | 37   | 1     | 7   | 0 | 177 |      | 187 |
| 10:30          | 10:45 | 104 | 38   | 7     | 2   | 0 | 145 |     | 151 | 22:30          | 22:45 | 146 | 42   | 2     | 1   | 0 | 174 |      | 191 |
| 10:45          | 11:00 | 97  | 54   | 2     | 6   | 0 | 141 |     | 159 | 22:45          | 23:00 | 144 | 35   | 0     | 2   | 0 | 166 |      | 181 |
| 11:00          | 11:15 | 91  | 48   | 0     | 4   | 0 | 123 | 604 | 143 | 23:00          | 23:15 | 89  | 18   | 1     | 4   | 0 | 109 | 419  | 112 |
| 11:15          | 11:30 | 116 | 51   | 4     | 6   | 0 | 164 |     | 177 | 23:15          | 23:30 | 98  | 19   | 1     | 5   | 0 | 120 |      | 123 |
| 11:30          | 11:45 | 121 | 47   | 3     | 4   | 0 | 160 |     | 175 | 23:30          | 23:45 | 88  | 22   | 2     | 1   | 0 | 106 |      | 113 |
| 11:45          | 12:00 | 116 | 61   | 1     | 4   | 0 | 157 |     | 182 | 23:45          | 0:00  | 63  | 25   | 1     | 3   | 0 | 84  |      | 92  |

Movimento Contado

3 > 1

R. Piauí em frente



Fluxo veicular a cada hora

| Período Manhã |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 0:00          | 1:00  | 19  | 10   | 0     | 0   | 0 | 24  | 29  |
| 1:00          | 2:00  | 5   | 4    | 0     | 0   | 0 | 7   | 9   |
| 2:00          | 3:00  | 7   | 2    | 0     | 1   | 0 | 10  | 10  |
| 3:00          | 4:00  | 0   | 1    | 0     | 0   | 0 | 1   | 1   |
| 4:00          | 5:00  | 4   | 0    | 0     | 1   | 0 | 6   | 5   |
| 5:00          | 6:00  | 6   | 2    | 0     | 1   | 0 | 9   | 9   |
| 6:00          | 7:00  | 64  | 19   | 0     | 2   | 0 | 78  | 85  |
| 7:00          | 8:00  | 156 | 41   | 2     | 2   | 0 | 186 | 201 |
| 8:00          | 9:00  | 123 | 51   | 5     | 2   | 0 | 165 | 181 |
| 9:00          | 10:00 | 98  | 43   | 5     | 2   | 0 | 136 | 148 |
| 10:00         | 11:00 | 120 | 47   | 0     | 2   | 0 | 148 | 169 |
| 11:00         | 12:00 | 128 | 70   | 6     | 2   | 0 | 182 | 206 |

| Período Tarde |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 12:00         | 13:00 | 158 | 67   | 2     | 2   | 0 | 201 | 229 |
| 13:00         | 14:00 | 153 | 75   | 5     | 1   | 0 | 205 | 234 |
| 14:00         | 15:00 | 145 | 38   | 6     | 1   | 0 | 181 | 190 |
| 15:00         | 16:00 | 117 | 58   | 5     | 1   | 0 | 161 | 181 |
| 16:00         | 17:00 | 154 | 46   | 6     | 2   | 0 | 196 | 208 |
| 17:00         | 18:00 | 208 | 84   | 6     | 2   | 0 | 269 | 300 |
| 18:00         | 19:00 | 252 | 57   | 2     | 3   | 0 | 292 | 314 |
| 19:00         | 20:00 | 123 | 33   | 1     | 2   | 0 | 146 | 159 |
| 20:00         | 21:00 | 84  | 22   | 0     | 1   | 0 | 97  | 107 |
| 21:00         | 22:00 | 52  | 20   | 0     | 1   | 0 | 64  | 73  |
| 22:00         | 23:00 | 45  | 17   | 0     | 2   | 0 | 58  | 64  |
| 23:00         | 0:00  | 30  | 5    | 0     | 1   | 0 | 35  | 36  |

## Movimento Contado

3 &gt; 1

R. Piauí 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  | 10  | 3    | 0     | 0   | 0 | 12  | 24  | 13 | 12:00          | 12:15 | 42  | 19   | 0     | 0   | 0 | 52  | 201 | 61 |
| 0:15           | 0:30  | 4   | 3    | 0     | 0   | 0 | 6   |     | 7  | 12:15          | 12:30 | 35  | 14   | 0     | 1   | 0 | 44  |     | 50 |
| 0:30           | 0:45  | 4   | 3    | 0     | 0   | 0 | 6   |     | 7  | 12:30          | 12:45 | 33  | 21   | 0     | 0   | 0 | 44  |     | 54 |
| 0:45           | 1:00  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 12:45          | 13:00 | 48  | 13   | 2     | 1   | 0 | 62  |     | 64 |
| 1:00           | 1:15  | 1   | 2    | 0     | 0   | 0 | 2   | 7   | 3  | 13:00          | 13:15 | 53  | 23   | 0     | 0   | 0 | 65  | 205 | 76 |
| 1:15           | 1:30  | 1   | 2    | 0     | 0   | 0 | 2   |     | 3  | 13:15          | 13:30 | 31  | 18   | 0     | 0   | 0 | 40  |     | 49 |
| 1:30           | 1:45  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 13:30          | 13:45 | 30  | 8    | 3     | 1   | 0 | 44  |     | 42 |
| 1:45           | 2:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 13:45          | 14:00 | 39  | 26   | 2     | 0   | 0 | 57  |     | 67 |
| 2:00           | 2:15  | 0   | 1    | 0     | 1   | 0 | 3   | 10  | 2  | 14:00          | 14:15 | 29  | 15   | 1     | 0   | 0 | 39  | 181 | 45 |
| 2:15           | 2:30  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 14:15          | 14:30 | 41  | 11   | 2     | 1   | 0 | 54  |     | 55 |
| 2:30           | 2:45  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 14:30          | 14:45 | 32  | 6    | 2     | 0   | 0 | 40  |     | 40 |
| 2:45           | 3:00  | 5   | 0    | 0     | 0   | 0 | 5   |     | 5  | 14:45          | 15:00 | 43  | 6    | 1     | 0   | 0 | 49  |     | 50 |
| 3:00           | 3:15  | 0   | 1    | 0     | 0   | 0 | 1   | 1   | 1  | 15:00          | 15:15 | 31  | 21   | 2     | 1   | 0 | 49  | 161 | 55 |
| 3:15           | 3:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 15:15          | 15:30 | 25  | 16   | 0     | 0   | 0 | 33  |     | 41 |
| 3:30           | 3:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 15:30          | 15:45 | 22  | 7    | 1     | 0   | 0 | 28  |     | 30 |
| 3:45           | 4:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 15:45          | 16:00 | 39  | 14   | 2     | 0   | 0 | 51  |     | 55 |
| 4:00           | 4:15  | 1   | 0    | 0     | 0   | 0 | 1   | 6   | 1  | 16:00          | 16:15 | 36  | 15   | 0     | 0   | 0 | 44  | 196 | 51 |
| 4:15           | 4:30  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 16:15          | 16:30 | 33  | 10   | 3     | 1   | 0 | 48  |     | 47 |
| 4:30           | 4:45  | 0   | 0    | 0     | 1   | 0 | 2   |     | 1  | 16:30          | 16:45 | 42  | 11   | 3     | 0   | 0 | 55  |     | 56 |
| 4:45           | 5:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 16:45          | 17:00 | 43  | 10   | 0     | 1   | 0 | 50  |     | 54 |
| 5:00           | 5:15  | 0   | 0    | 0     | 0   | 0 | 0   | 9   | 0  | 17:00          | 17:15 | 42  | 20   | 1     | 0   | 0 | 55  | 269 | 63 |
| 5:15           | 5:30  | 0   | 0    | 0     | 1   | 0 | 2   |     | 1  | 17:15          | 17:30 | 44  | 33   | 2     | 1   | 0 | 68  |     | 80 |
| 5:30           | 5:45  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 17:30          | 17:45 | 52  | 24   | 1     | 0   | 0 | 67  |     | 77 |
| 5:45           | 6:00  | 5   | 1    | 0     | 0   | 0 | 6   |     | 6  | 17:45          | 18:00 | 70  | 7    | 2     | 1   | 0 | 81  |     | 80 |
| 6:00           | 6:15  | 2   | 1    | 0     | 0   | 0 | 3   | 78  | 3  | 18:00          | 18:15 | 55  | 18   | 0     | 0   | 0 | 64  | 292 | 73 |
| 6:15           | 6:30  | 3   | 3    | 0     | 2   | 0 | 9   |     | 8  | 18:15          | 18:30 | 77  | 19   | 0     | 1   | 0 | 89  |     | 97 |
| 6:30           | 6:45  | 14  | 5    | 0     | 0   | 0 | 17  |     | 19 | 18:30          | 18:45 | 60  | 8    | 0     | 1   | 0 | 66  |     | 69 |
| 6:45           | 7:00  | 45  | 10   | 0     | 0   | 0 | 50  |     | 55 | 18:45          | 19:00 | 60  | 12   | 2     | 1   | 0 | 73  |     | 75 |
| 7:00           | 7:15  | 44  | 13   | 1     | 1   | 0 | 55  | 186 | 59 | 19:00          | 19:15 | 40  | 11   | 1     | 0   | 0 | 48  | 146 | 52 |
| 7:15           | 7:30  | 44  | 10   | 1     | 0   | 0 | 52  |     | 55 | 19:15          | 19:30 | 35  | 9    | 0     | 1   | 0 | 42  |     | 45 |
| 7:30           | 7:45  | 40  | 10   | 0     | 0   | 0 | 45  |     | 50 | 19:30          | 19:45 | 33  | 9    | 0     | 1   | 0 | 40  |     | 43 |
| 7:45           | 8:00  | 28  | 8    | 0     | 1   | 0 | 34  |     | 37 | 19:45          | 20:00 | 15  | 4    | 0     | 0   | 0 | 17  |     | 19 |
| 8:00           | 8:15  | 38  | 13   | 1     | 0   | 0 | 47  | 165 | 52 | 20:00          | 20:15 | 23  | 4    | 0     | 0   | 0 | 25  | 97  | 27 |
| 8:15           | 8:30  | 26  | 11   | 0     | 1   | 0 | 34  |     | 38 | 20:15          | 20:30 | 24  | 5    | 0     | 0   | 0 | 27  |     | 29 |
| 8:30           | 8:45  | 26  | 14   | 3     | 0   | 0 | 41  |     | 43 | 20:30          | 20:45 | 20  | 5    | 0     | 1   | 0 | 25  |     | 26 |
| 8:45           | 9:00  | 33  | 13   | 1     | 1   | 0 | 44  |     | 48 | 20:45          | 21:00 | 17  | 8    | 0     | 0   | 0 | 21  |     | 25 |
| 9:00           | 9:15  | 23  | 15   | 0     | 0   | 0 | 31  | 136 | 38 | 21:00          | 21:15 | 9   | 5    | 0     | 0   | 0 | 12  | 64  | 14 |
| 9:15           | 9:30  | 25  | 5    | 2     | 1   | 0 | 35  |     | 33 | 21:15          | 21:30 | 11  | 2    | 0     | 1   | 0 | 14  |     | 14 |
| 9:30           | 9:45  | 24  | 16   | 2     | 1   | 0 | 39  |     | 43 | 21:30          | 21:45 | 15  | 6    | 0     | 0   | 0 | 18  |     | 21 |
| 9:45           | 10:00 | 26  | 7    | 1     | 0   | 0 | 32  |     | 34 | 21:45          | 22:00 | 17  | 7    | 0     | 0   | 0 | 21  |     | 24 |
| 10:00          | 10:15 | 28  | 11   | 0     | 1   | 0 | 36  | 148 | 40 | 22:00          | 22:15 | 14  | 3    | 0     | 0   | 0 | 16  | 58  | 17 |
| 10:15          | 10:30 | 22  | 10   | 0     | 0   | 0 | 27  |     | 32 | 22:15          | 22:30 | 10  | 4    | 0     | 2   | 0 | 16  |     | 16 |
| 10:30          | 10:45 | 39  | 13   | 0     | 0   | 0 | 46  |     | 52 | 22:30          | 22:45 | 10  | 4    | 0     | 0   | 0 | 12  |     | 14 |
| 10:45          | 11:00 | 31  | 13   | 0     | 1   | 0 | 40  |     | 45 | 22:45          | 23:00 | 11  | 6    | 0     | 0   | 0 | 14  |     | 17 |
| 11:00          | 11:15 | 25  | 11   | 0     | 1   | 0 | 33  | 182 | 37 | 23:00          | 23:15 | 10  | 0    | 0     | 0   | 0 | 10  | 35  | 10 |
| 11:15          | 11:30 | 30  | 25   | 1     | 0   | 0 | 45  |     | 56 | 23:15          | 23:30 | 10  | 0    | 0     | 1   | 0 | 12  |     | 11 |
| 11:30          | 11:45 | 38  | 18   | 3     | 1   | 0 | 57  |     | 60 | 23:30          | 23:45 | 7   | 1    | 0     | 0   | 0 | 8   |     | 8  |
| 11:45          | 12:00 | 35  | 16   | 2     | 0   | 0 | 48  |     | 53 | 23:45          | 0:00  | 3   | 4    | 0     | 0   | 0 | 5   |     | 7  |



## Movimento Contado

3 &gt; 2

R. Piauí conv à dir. Av. Dom Pedro I



## Fluxo veicular a cada hora

| Período Manhã |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 0:00          | 1:00  | 14  | 3    | 0     | 0   | 0 | 16  | 17  |
| 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  | 2   | 2    | 1     | 0   | 0 | 6   | 5   |
| 4:00          | 5:00  | 2   | 0    | 0     | 0   | 0 | 2   | 2   |
| 5:00          | 6:00  | 5   | 0    | 2     | 0   | 0 | 10  | 7   |
| 6:00          | 7:00  | 31  | 5    | 0     | 1   | 0 | 36  | 37  |
| 7:00          | 8:00  | 82  | 14   | 0     | 1   | 0 | 91  | 97  |
| 8:00          | 9:00  | 67  | 22   | 1     | 0   | 0 | 81  | 90  |
| 9:00          | 10:00 | 67  | 12   | 1     | 0   | 0 | 76  | 80  |
| 10:00         | 11:00 | 44  | 15   | 0     | 0   | 0 | 52  | 59  |
| 11:00         | 12:00 | 40  | 13   | 3     | 0   | 0 | 54  | 56  |

| Período Tarde |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 12:00         | 13:00 | 58  | 18   | 1     | 0   | 0 | 70  | 77  |
| 13:00         | 14:00 | 64  | 23   | 1     | 0   | 0 | 78  | 88  |
| 14:00         | 15:00 | 64  | 21   | 0     | 0   | 0 | 75  | 85  |
| 15:00         | 16:00 | 51  | 16   | 1     | 2   | 0 | 66  | 70  |
| 16:00         | 17:00 | 62  | 16   | 2     | 0   | 0 | 75  | 80  |
| 17:00         | 18:00 | 61  | 16   | 2     | 1   | 0 | 76  | 80  |
| 18:00         | 19:00 | 56  | 10   | 0     | 1   | 0 | 63  | 67  |
| 19:00         | 20:00 | 43  | 6    | 1     | 0   | 0 | 49  | 50  |
| 20:00         | 21:00 | 39  | 3    | 1     | 0   | 0 | 43  | 43  |
| 21:00         | 22:00 | 30  | 5    | 0     | 0   | 0 | 33  | 35  |
| 22:00         | 23:00 | 25  | 3    | 0     | 1   | 0 | 29  | 29  |
| 23:00         | 0:00  | 7   | 0    | 0     | 0   | 0 | 7   | 7   |



## Movimento Contado

3 &gt; 2

R. Piauí conv à dir. Av. Dom Pedro I

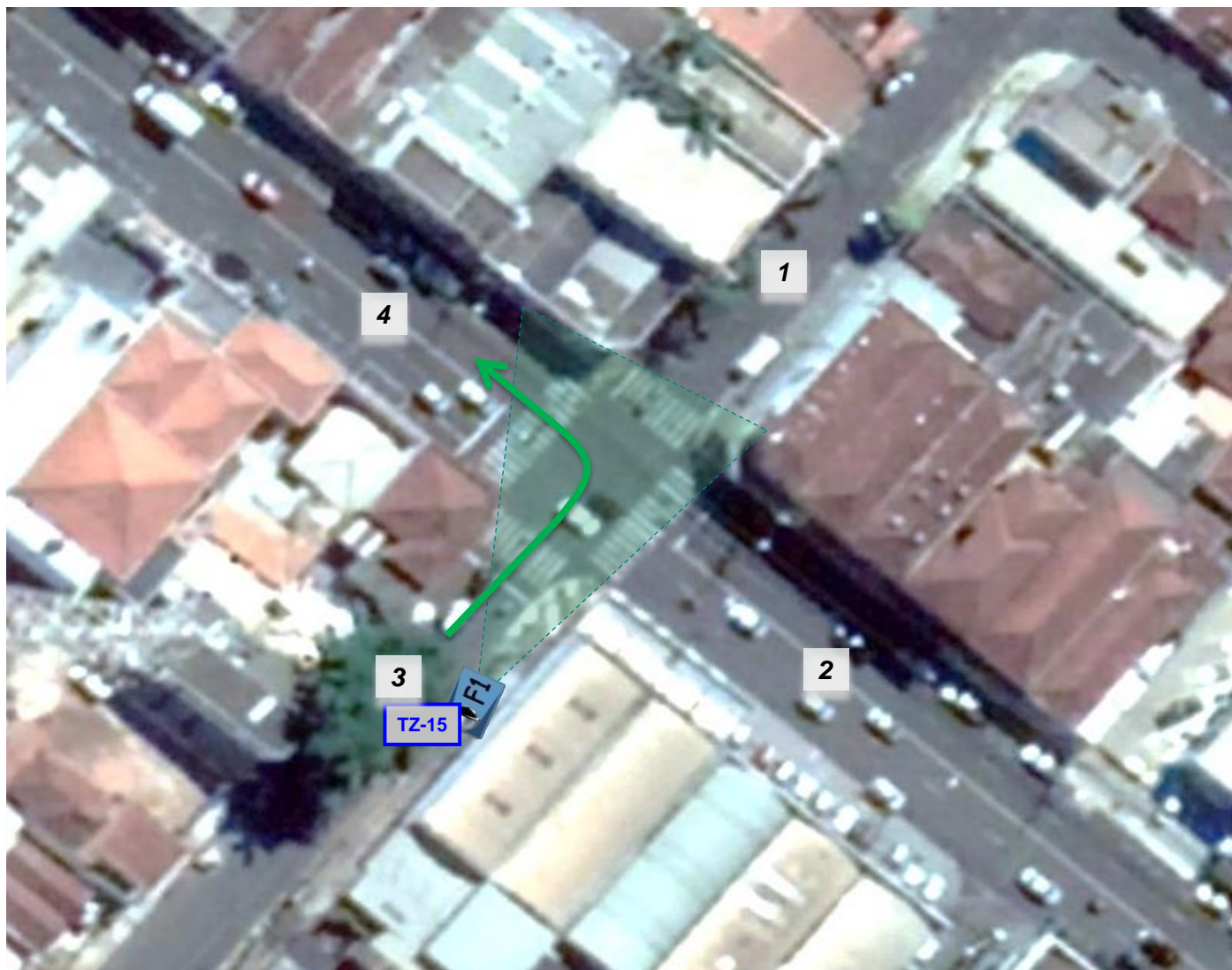
## Fluxo veicular a cada 15 minutos

| 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   | 0    | 0     | 0   | 0 | 5   | 16  | 5  | 12:00          | 12:15 | 13  | 5    | 0     | 0   | 0 | 16  | 70  | 18 |
| 0:15           | 0:30  | 4   | 1    | 0     | 0   | 0 | 5   |     | 5  | 12:15          | 12:30 | 20  | 2    | 0     | 0   | 0 | 21  |     | 22 |
| 0:30           | 0:45  | 0   | 1    | 0     | 0   | 0 | 1   |     | 1  | 12:30          | 12:45 | 7   | 3    | 0     | 0   | 0 | 9   |     | 10 |
| 0:45           | 1:00  | 5   | 1    | 0     | 0   | 0 | 6   |     | 6  | 12:45          | 13:00 | 18  | 8    | 1     | 0   | 0 | 25  |     | 27 |
| 1:00           | 1:15  | 0   | 0    | 0     | 0   | 0 | 0   | 0   | 0  | 13:00          | 13:15 | 16  | 5    | 1     | 0   | 0 | 21  | 78  | 22 |
| 1:15           | 1:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 13:15          | 13:30 | 16  | 5    | 0     | 0   | 0 | 19  |     | 21 |
| 1:30           | 1:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 13:30          | 13:45 | 15  | 6    | 0     | 0   | 0 | 18  |     | 21 |
| 1:45           | 2:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 13:45          | 14:00 | 17  | 7    | 0     | 0   | 0 | 21  |     | 24 |
| 2:00           | 2:15  | 0   | 0    | 0     | 0   | 0 | 0   | 0   | 0  | 14:00          | 14:15 | 17  | 7    | 0     | 0   | 0 | 21  | 75  | 24 |
| 2:15           | 2:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 14:15          | 14:30 | 13  | 5    | 0     | 0   | 0 | 16  |     | 18 |
| 2:30           | 2:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 14:30          | 14:45 | 16  | 3    | 0     | 0   | 0 | 18  |     | 19 |
| 2:45           | 3:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 14:45          | 15:00 | 18  | 6    | 0     | 0   | 0 | 21  |     | 24 |
| 3:00           | 3:15  | 1   | 0    | 0     | 0   | 0 | 1   | 6   | 1  | 15:00          | 15:15 | 13  | 4    | 0     | 0   | 0 | 15  | 66  | 17 |
| 3:15           | 3:30  | 0   | 1    | 0     | 0   | 0 | 1   |     | 1  | 15:15          | 15:30 | 10  | 6    | 1     | 1   | 0 | 18  |     | 18 |
| 3:30           | 3:45  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 15:30          | 15:45 | 13  | 2    | 0     | 1   | 0 | 16  |     | 16 |
| 3:45           | 4:00  | 0   | 1    | 1     | 0   | 0 | 3   |     | 2  | 15:45          | 16:00 | 15  | 4    | 0     | 0   | 0 | 17  |     | 19 |
| 4:00           | 4:15  | 0   | 0    | 0     | 0   | 0 | 0   | 2   | 0  | 16:00          | 16:15 | 16  | 2    | 2     | 0   | 0 | 22  | 75  | 20 |
| 4:15           | 4:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 16:15          | 16:30 | 18  | 7    | 0     | 0   | 0 | 22  |     | 25 |
| 4:30           | 4:45  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 16:30          | 16:45 | 14  | 2    | 0     | 0   | 0 | 15  |     | 16 |
| 4:45           | 5:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 16:45          | 17:00 | 14  | 5    | 0     | 0   | 0 | 17  |     | 19 |
| 5:00           | 5:15  | 1   | 0    | 0     | 0   | 0 | 1   | 10  | 1  | 17:00          | 17:15 | 16  | 6    | 0     | 0   | 0 | 19  | 76  | 22 |
| 5:15           | 5:30  | 4   | 0    | 0     | 0   | 0 | 4   |     | 4  | 17:15          | 17:30 | 12  | 2    | 0     | 1   | 0 | 15  |     | 15 |
| 5:30           | 5:45  | 0   | 0    | 2     | 0   | 0 | 5   |     | 2  | 17:30          | 17:45 | 14  | 3    | 0     | 0   | 0 | 16  |     | 17 |
| 5:45           | 6:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 17:45          | 18:00 | 19  | 5    | 2     | 0   | 0 | 27  |     | 26 |
| 6:00           | 6:15  | 1   | 1    | 0     | 1   | 0 | 4   | 36  | 3  | 18:00          | 18:15 | 16  | 3    | 0     | 1   | 0 | 20  | 63  | 20 |
| 6:15           | 6:30  | 3   | 1    | 0     | 0   | 0 | 4   |     | 4  | 18:15          | 18:30 | 18  | 2    | 0     | 0   | 0 | 19  |     | 20 |
| 6:30           | 6:45  | 14  | 1    | 0     | 0   | 0 | 15  |     | 15 | 18:30          | 18:45 | 9   | 4    | 0     | 0   | 0 | 11  |     | 13 |
| 6:45           | 7:00  | 13  | 2    | 0     | 0   | 0 | 14  |     | 15 | 18:45          | 19:00 | 13  | 1    | 0     | 0   | 0 | 14  |     | 14 |
| 7:00           | 7:15  | 13  | 4    | 0     | 0   | 0 | 15  | 91  | 17 | 19:00          | 19:15 | 10  | 3    | 0     | 0   | 0 | 12  | 49  | 13 |
| 7:15           | 7:30  | 25  | 3    | 0     | 0   | 0 | 27  |     | 28 | 19:15          | 19:30 | 9   | 3    | 0     | 0   | 0 | 11  |     | 12 |
| 7:30           | 7:45  | 21  | 4    | 0     | 0   | 0 | 23  |     | 25 | 19:30          | 19:45 | 10  | 0    | 1     | 0   | 0 | 13  |     | 11 |
| 7:45           | 8:00  | 23  | 3    | 0     | 1   | 0 | 27  |     | 27 | 19:45          | 20:00 | 14  | 0    | 0     | 0   | 0 | 14  |     | 14 |
| 8:00           | 8:15  | 24  | 5    | 0     | 0   | 0 | 27  | 81  | 29 | 20:00          | 20:15 | 12  | 0    | 0     | 0   | 0 | 12  | 43  | 12 |
| 8:15           | 8:30  | 18  | 4    | 1     | 0   | 0 | 23  |     | 23 | 20:15          | 20:30 | 10  | 2    | 0     | 0   | 0 | 11  |     | 12 |
| 8:30           | 8:45  | 10  | 7    | 0     | 0   | 0 | 14  |     | 17 | 20:30          | 20:45 | 8   | 0    | 1     | 0   | 0 | 11  |     | 9  |
| 8:45           | 9:00  | 15  | 6    | 0     | 0   | 0 | 18  |     | 21 | 20:45          | 21:00 | 9   | 1    | 0     | 0   | 0 | 10  |     | 10 |
| 9:00           | 9:15  | 8   | 3    | 1     | 0   | 0 | 12  | 76  | 12 | 21:00          | 21:15 | 6   | 0    | 0     | 0   | 0 | 6   | 33  | 6  |
| 9:15           | 9:30  | 18  | 3    | 0     | 0   | 0 | 20  |     | 21 | 21:15          | 21:30 | 13  | 3    | 0     | 0   | 0 | 15  |     | 16 |
| 9:30           | 9:45  | 17  | 2    | 0     | 0   | 0 | 18  |     | 19 | 21:30          | 21:45 | 5   | 0    | 0     | 0   | 0 | 5   |     | 5  |
| 9:45           | 10:00 | 24  | 4    | 0     | 0   | 0 | 26  |     | 28 | 21:45          | 22:00 | 6   | 2    | 0     | 0   | 0 | 7   |     | 8  |
| 10:00          | 10:15 | 11  | 1    | 0     | 0   | 0 | 12  | 52  | 12 | 22:00          | 22:15 | 8   | 0    | 0     | 0   | 0 | 8   | 29  | 8  |
| 10:15          | 10:30 | 10  | 6    | 0     | 0   | 0 | 13  |     | 16 | 22:15          | 22:30 | 8   | 3    | 0     | 0   | 0 | 10  |     | 11 |
| 10:30          | 10:45 | 12  | 5    | 0     | 0   | 0 | 15  |     | 17 | 22:30          | 22:45 | 5   | 0    | 0     | 0   | 0 | 5   |     | 5  |
| 10:45          | 11:00 | 11  | 3    | 0     | 0   | 0 | 13  |     | 14 | 22:45          | 23:00 | 4   | 0    | 0     | 1   | 0 | 6   |     | 5  |
| 11:00          | 11:15 | 11  | 4    | 0     | 0   | 0 | 13  | 54  | 15 | 23:00          | 23:15 | 3   | 0    | 0     | 0   | 0 | 3   | 7   | 3  |
| 11:15          | 11:30 | 13  | 3    | 1     | 0   | 0 | 17  |     | 17 | 23:15          | 23:30 | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  |
| 11:30          | 11:45 | 7   | 3    | 1     | 0   | 0 | 11  |     | 11 | 23:30          | 23:45 | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  |
| 11:45          | 12:00 | 9   | 3    | 1     | 0   | 0 | 13  |     | 13 | 23:45          | 0:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  |

## Movimento Contado

3 &gt; 4

R. Piauí conv à esq. Av. Dom Pedro I



## Fluxo veicular a cada hora

| Período Manhã  |       |     |      |       |     |   |     |     |
|----------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de até |       | Car | Moto | Truck | Bus | - | PCU | VEC |
| 0:00           | 1:00  | 7   | 6    | 0     | 0   | 0 | 10  | 13  |
| 1:00           | 2:00  | 5   | 1    | 0     | 0   | 0 | 6   | 6   |
| 2:00           | 3:00  | 2   | 1    | 0     | 0   | 0 | 3   | 3   |
| 3:00           | 4:00  | 3   | 0    | 0     | 0   | 0 | 3   | 3   |
| 4:00           | 5:00  | 5   | 0    | 0     | 0   | 0 | 5   | 5   |
| 5:00           | 6:00  | 3   | 1    | 0     | 3   | 0 | 10  | 7   |
| 6:00           | 7:00  | 10  | 4    | 0     | 3   | 0 | 18  | 17  |
| 7:00           | 8:00  | 49  | 9    | 0     | 3   | 0 | 60  | 61  |
| 8:00           | 9:00  | 43  | 9    | 2     | 5   | 0 | 63  | 59  |
| 9:00           | 10:00 | 59  | 19   | 2     | 3   | 0 | 80  | 83  |
| 10:00          | 11:00 | 58  | 14   | 4     | 3   | 0 | 81  | 79  |
| 11:00          | 12:00 | 62  | 22   | 2     | 3   | 0 | 84  | 89  |

| Período Tarde  |       |     |      |       |     |   |     |     |
|----------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de até |       | Car | Moto | Truck | Bus | - | PCU | VEC |
| 12:00          | 13:00 | 63  | 28   | 2     | 3   | 0 | 88  | 96  |
| 13:00          | 14:00 | 77  | 24   | 0     | 3   | 0 | 95  | 104 |
| 14:00          | 15:00 | 61  | 19   | 2     | 5   | 0 | 86  | 87  |
| 15:00          | 16:00 | 77  | 19   | 6     | 3   | 0 | 108 | 105 |
| 16:00          | 17:00 | 68  | 13   | 5     | 3   | 0 | 93  | 89  |
| 17:00          | 18:00 | 82  | 21   | 1     | 4   | 0 | 103 | 108 |
| 18:00          | 19:00 | 96  | 28   | 0     | 5   | 0 | 120 | 129 |
| 19:00          | 20:00 | 64  | 12   | 0     | 3   | 0 | 76  | 79  |
| 20:00          | 21:00 | 45  | 5    | 1     | 2   | 0 | 54  | 53  |
| 21:00          | 22:00 | 30  | 4    | 1     | 2   | 0 | 39  | 37  |
| 22:00          | 23:00 | 29  | 7    | 0     | 2   | 0 | 37  | 38  |
| 23:00          | 0:00  | 10  | 8    | 0     | 1   | 0 | 16  | 19  |

## Movimento Contado

3 &gt; 4

R. Piauí conv à esq. Av. Dom Pedro I

## 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   | 2    | 0     | 0   | 0 | 3   | 10  | 4  | 12:00          | 12:15 | 14  | 9    | 0     | 1   | 0 | 21  | 88  | 24 |
| 0:15           | 0:30  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 12:15          | 12:30 | 18  | 5    | 2     | 1   | 0 | 28  |     | 26 |
| 0:30           | 0:45  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 12:30          | 12:45 | 15  | 8    | 0     | 0   | 0 | 19  |     | 23 |
| 0:45           | 1:00  | 2   | 3    | 0     | 0   | 0 | 4   |     | 5  | 12:45          | 13:00 | 16  | 6    | 0     | 1   | 0 | 21  |     | 23 |
| 1:00           | 1:15  | 0   | 0    | 0     | 0   | 0 | 0   | 6   | 0  | 13:00          | 13:15 | 19  | 8    | 0     | 1   | 0 | 25  | 95  | 28 |
| 1:15           | 1:30  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 13:15          | 13:30 | 24  | 6    | 0     | 1   | 0 | 29  |     | 31 |
| 1:30           | 1:45  | 2   | 1    | 0     | 0   | 0 | 3   |     | 3  | 13:30          | 13:45 | 17  | 6    | 0     | 1   | 0 | 22  |     | 24 |
| 1:45           | 2:00  | 1   | 0    | 0     | 0   | 0 | 1   |     | 1  | 13:45          | 14:00 | 17  | 4    | 0     | 0   | 0 | 19  |     | 21 |
| 2:00           | 2:15  | 1   | 0    | 0     | 0   | 0 | 1   | 3   | 1  | 14:00          | 14:15 | 16  | 2    | 0     | 2   | 0 | 21  | 86  | 20 |
| 2:15           | 2:30  | 1   | 1    | 0     | 0   | 0 | 2   |     | 2  | 14:15          | 14:30 | 10  | 4    | 1     | 1   | 0 | 17  |     | 16 |
| 2:30           | 2:45  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 14:30          | 14:45 | 15  | 6    | 1     | 1   | 0 | 23  |     | 23 |
| 2:45           | 3:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 14:45          | 15:00 | 20  | 7    | 0     | 1   | 0 | 26  |     | 28 |
| 3:00           | 3:15  | 1   | 0    | 0     | 0   | 0 | 1   | 3   | 1  | 15:00          | 15:15 | 16  | 3    | 0     | 0   | 0 | 18  | 108 | 19 |
| 3:15           | 3:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 15:15          | 15:30 | 16  | 4    | 3     | 1   | 0 | 28  |     | 24 |
| 3:30           | 3:45  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 15:30          | 15:45 | 25  | 7    | 2     | 1   | 0 | 36  |     | 35 |
| 3:45           | 4:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 15:45          | 16:00 | 20  | 5    | 1     | 1   | 0 | 27  |     | 27 |
| 4:00           | 4:15  | 1   | 0    | 0     | 0   | 0 | 1   | 5   | 1  | 16:00          | 16:15 | 21  | 4    | 3     | 0   | 0 | 31  | 93  | 28 |
| 4:15           | 4:30  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 16:15          | 16:30 | 12  | 1    | 1     | 1   | 0 | 17  |     | 15 |
| 4:30           | 4:45  | 2   | 0    | 0     | 0   | 0 | 2   |     | 2  | 16:30          | 16:45 | 17  | 4    | 1     | 1   | 0 | 24  |     | 23 |
| 4:45           | 5:00  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 16:45          | 17:00 | 18  | 4    | 0     | 1   | 0 | 22  |     | 23 |
| 5:00           | 5:15  | 1   | 0    | 0     | 1   | 0 | 3   | 10  | 2  | 17:00          | 17:15 | 21  | 9    | 0     | 1   | 0 | 28  | 103 | 31 |
| 5:15           | 5:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 17:15          | 17:30 | 26  | 6    | 1     | 1   | 0 | 34  |     | 34 |
| 5:30           | 5:45  | 2   | 0    | 0     | 1   | 0 | 4   |     | 3  | 17:30          | 17:45 | 14  | 3    | 0     | 1   | 0 | 18  |     | 18 |
| 5:45           | 6:00  | 0   | 1    | 0     | 1   | 0 | 3   |     | 2  | 17:45          | 18:00 | 21  | 3    | 0     | 1   | 0 | 25  |     | 25 |
| 6:00           | 6:15  | 0   | 3    | 0     | 1   | 0 | 4   | 18  | 4  | 18:00          | 18:15 | 25  | 13   | 0     | 2   | 0 | 36  | 120 | 40 |
| 6:15           | 6:30  | 0   | 0    | 0     | 0   | 0 | 0   |     | 0  | 18:15          | 18:30 | 26  | 7    | 0     | 0   | 0 | 30  |     | 33 |
| 6:30           | 6:45  | 1   | 1    | 0     | 1   | 0 | 4   |     | 3  | 18:30          | 18:45 | 23  | 4    | 0     | 2   | 0 | 29  |     | 29 |
| 6:45           | 7:00  | 9   | 0    | 0     | 1   | 0 | 11  |     | 10 | 18:45          | 19:00 | 22  | 4    | 0     | 1   | 0 | 26  |     | 27 |
| 7:00           | 7:15  | 15  | 1    | 0     | 1   | 0 | 18  | 60  | 17 | 19:00          | 19:15 | 17  | 3    | 0     | 1   | 0 | 21  | 76  | 21 |
| 7:15           | 7:30  | 12  | 1    | 0     | 0   | 0 | 13  |     | 13 | 19:15          | 19:30 | 8   | 5    | 0     | 0   | 0 | 11  |     | 13 |
| 7:30           | 7:45  | 8   | 2    | 0     | 1   | 0 | 11  |     | 11 | 19:30          | 19:45 | 21  | 1    | 0     | 2   | 0 | 26  |     | 24 |
| 7:45           | 8:00  | 14  | 5    | 0     | 1   | 0 | 19  |     | 20 | 19:45          | 20:00 | 18  | 3    | 0     | 0   | 0 | 20  |     | 21 |
| 8:00           | 8:15  | 13  | 1    | 0     | 1   | 0 | 16  | 63  | 15 | 20:00          | 20:15 | 8   | 0    | 0     | 1   | 0 | 10  | 54  | 9  |
| 8:15           | 8:30  | 8   | 3    | 0     | 2   | 0 | 14  |     | 13 | 20:15          | 20:30 | 14  | 2    | 0     | 0   | 0 | 15  |     | 16 |
| 8:30           | 8:45  | 11  | 2    | 2     | 1   | 0 | 19  |     | 16 | 20:30          | 20:45 | 10  | 2    | 1     | 1   | 0 | 16  |     | 14 |
| 8:45           | 9:00  | 11  | 3    | 0     | 1   | 0 | 15  |     | 15 | 20:45          | 21:00 | 13  | 1    | 0     | 0   | 0 | 14  |     | 14 |
| 9:00           | 9:15  | 13  | 7    | 0     | 0   | 0 | 17  | 80  | 20 | 21:00          | 21:15 | 10  | 0    | 1     | 1   | 0 | 15  | 39  | 12 |
| 9:15           | 9:30  | 14  | 4    | 1     | 1   | 0 | 21  |     | 20 | 21:15          | 21:30 | 6   | 0    | 0     | 0   | 0 | 6   |     | 6  |
| 9:30           | 9:45  | 11  | 3    | 1     | 1   | 0 | 17  |     | 16 | 21:30          | 21:45 | 5   | 0    | 0     | 0   | 0 | 5   |     | 5  |
| 9:45           | 10:00 | 21  | 5    | 0     | 1   | 0 | 26  |     | 27 | 21:45          | 22:00 | 9   | 4    | 0     | 1   | 0 | 13  |     | 14 |
| 10:00          | 10:15 | 11  | 2    | 2     | 0   | 0 | 17  | 81  | 15 | 22:00          | 22:15 | 7   | 1    | 0     | 1   | 0 | 10  | 37  | 9  |
| 10:15          | 10:30 | 16  | 1    | 0     | 1   | 0 | 19  |     | 18 | 22:15          | 22:30 | 6   | 3    | 0     | 0   | 0 | 8   |     | 9  |
| 10:30          | 10:45 | 16  | 8    | 1     | 1   | 0 | 25  |     | 26 | 22:30          | 22:45 | 8   | 1    | 0     | 0   | 0 | 9   |     | 9  |
| 10:45          | 11:00 | 15  | 3    | 1     | 1   | 0 | 21  |     | 20 | 22:45          | 23:00 | 8   | 2    | 0     | 1   | 0 | 11  |     | 11 |
| 11:00          | 11:15 | 20  | 5    | 1     | 1   | 0 | 27  | 84  | 27 | 23:00          | 23:15 | 2   | 4    | 0     | 0   | 0 | 4   | 16  | 6  |
| 11:15          | 11:30 | 19  | 5    | 0     | 1   | 0 | 24  |     | 25 | 23:15          | 23:30 | 2   | 1    | 0     | 1   | 0 | 5   |     | 4  |
| 11:30          | 11:45 | 10  | 6    | 1     | 0   | 0 | 16  |     | 17 | 23:30          | 23:45 | 4   | 1    | 0     | 0   | 0 | 5   |     | 5  |
| 11:45          | 12:00 | 13  | 6    | 0     | 1   | 0 | 18  |     | 20 | 23:45          | 0:00  | 2   | 2    | 0     | 0   | 0 | 3   |     | 4  |



Movimento Contado

4 > 2 Av. Dom Pedro I em frente



Fluxo veicular a cada hora

| Período Manhã |       |     |      |       |     |   |      |      |
|---------------|-------|-----|------|-------|-----|---|------|------|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU  | VEC  |
| 0:00          | 1:00  | 107 | 23   | 0     | 9   | 0 | 137  | 139  |
| 1:00          | 2:00  | 42  | 8    | 0     | 0   | 0 | 46   | 50   |
| 2:00          | 3:00  | 23  | 10   | 1     | 1   | 0 | 33   | 35   |
| 3:00          | 4:00  | 30  | 14   | 1     | 0   | 0 | 40   | 45   |
| 4:00          | 5:00  | 41  | 12   | 0     | 0   | 0 | 47   | 53   |
| 5:00          | 6:00  | 185 | 67   | 3     | 18  | 0 | 262  | 273  |
| 6:00          | 7:00  | 536 | 181  | 5     | 37  | 0 | 713  | 759  |
| 7:00          | 8:00  | 809 | 405  | 17    | 35  | 0 | 1124 | 1266 |
| 8:00          | 9:00  | 629 | 274  | 20    | 22  | 0 | 860  | 945  |
| 9:00          | 10:00 | 559 | 206  | 21    | 26  | 0 | 767  | 812  |
| 10:00         | 11:00 | 527 | 194  | 22    | 23  | 0 | 725  | 766  |
| 11:00         | 12:00 | 456 | 180  | 16    | 22  | 0 | 630  | 674  |

| Período Tarde |       |     |      |       |     |   |     |     |
|---------------|-------|-----|------|-------|-----|---|-----|-----|
| Período de    | até   | Car | Moto | Truck | Bus | - | PCU | VEC |
| 12:00         | 13:00 | 507 | 211  | 10    | 24  | 0 | 686 | 752 |
| 13:00         | 14:00 | 585 | 262  | 16    | 22  | 0 | 800 | 885 |
| 14:00         | 15:00 | 555 | 177  | 14    | 23  | 0 | 725 | 769 |
| 15:00         | 16:00 | 500 | 188  | 22    | 24  | 0 | 697 | 734 |
| 16:00         | 17:00 | 549 | 173  | 20    | 24  | 0 | 734 | 766 |
| 17:00         | 18:00 | 570 | 156  | 8     | 28  | 0 | 724 | 762 |
| 18:00         | 19:00 | 559 | 124  | 7     | 25  | 0 | 689 | 715 |
| 19:00         | 20:00 | 553 | 66   | 1     | 26  | 0 | 641 | 646 |
| 20:00         | 21:00 | 441 | 54   | 2     | 18  | 0 | 509 | 515 |
| 21:00         | 22:00 | 342 | 40   | 5     | 16  | 0 | 407 | 403 |
| 22:00         | 23:00 | 258 | 43   | 2     | 16  | 0 | 317 | 319 |
| 23:00         | 0:00  | 166 | 29   | 4     | 17  | 0 | 225 | 216 |



Movimento Contado

4 &gt; 2

Av. Dom Pedro I 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  | 39  | 7    | 0     | 2   | 0 | 47  | 137  | 48  | 139            | 12:00 | 12:15 | 101  | 49    | 2   | 5  | 0   | 141 | 157 |
| 0:15           | 0:30  | 27  | 4    | 0     | 5   | 0 | 39  |      | 36  |                | 12:15 | 12:30 | 130  | 48    | 2   | 8  | 0   | 175 | 188 |
| 0:30           | 0:45  | 24  | 7    | 0     | 1   | 0 | 30  |      | 32  |                | 12:30 | 12:45 | 136  | 46    | 4   | 3  | 0   | 175 | 189 |
| 0:45           | 1:00  | 17  | 5    | 0     | 1   | 0 | 22  |      | 23  |                | 12:45 | 13:00 | 140  | 68    | 2   | 8  | 0   | 195 | 218 |
| 1:00           | 1:15  | 9   | 2    | 0     | 0   | 0 | 10  | 46   | 11  | 50             | 13:00 | 13:15 | 132  | 66    | 5   | 3  | 0   | 184 | 206 |
| 1:15           | 1:30  | 18  | 0    | 0     | 0   | 0 | 18  |      | 18  |                | 13:15 | 13:30 | 165  | 66    | 5   | 8  | 0   | 227 | 244 |
| 1:30           | 1:45  | 8   | 3    | 0     | 0   | 0 | 10  |      | 11  |                | 13:30 | 13:45 | 157  | 69    | 4   | 5  | 0   | 212 | 235 |
| 1:45           | 2:00  | 7   | 3    | 0     | 0   | 0 | 9   |      | 10  |                | 13:45 | 14:00 | 131  | 61    | 2   | 6  | 0   | 179 | 200 |
| 2:00           | 2:15  | 7   | 1    | 1     | 1   | 0 | 12  | 33   | 10  | 35             | 14:00 | 14:15 | 137  | 43    | 4   | 5  | 0   | 179 | 189 |
| 2:15           | 2:30  | 7   | 1    | 0     | 0   | 0 | 8   |      | 8   |                | 14:15 | 14:30 | 141  | 47    | 4   | 6  | 0   | 187 | 198 |
| 2:30           | 2:45  | 7   | 4    | 0     | 0   | 0 | 9   |      | 11  |                | 14:30 | 14:45 | 129  | 43    | 5   | 6  | 0   | 175 | 183 |
| 2:45           | 3:00  | 2   | 4    | 0     | 0   | 0 | 4   |      | 6   |                | 14:45 | 15:00 | 148  | 44    | 1   | 6  | 0   | 185 | 199 |
| 3:00           | 3:15  | 6   | 3    | 1     | 0   | 0 | 10  | 40   | 10  | 45             | 15:00 | 15:15 | 131  | 48    | 6   | 7  | 0   | 184 | 192 |
| 3:15           | 3:30  | 10  | 3    | 0     | 0   | 0 | 12  |      | 13  |                | 15:15 | 15:30 | 121  | 39    | 4   | 5  | 0   | 161 | 169 |
| 3:30           | 3:45  | 10  | 5    | 0     | 0   | 0 | 13  |      | 15  |                | 15:30 | 15:45 | 128  | 55    | 7   | 6  | 0   | 185 | 196 |
| 3:45           | 4:00  | 4   | 3    | 0     | 0   | 0 | 6   |      | 7   |                | 15:45 | 16:00 | 120  | 46    | 5   | 6  | 0   | 168 | 177 |
| 4:00           | 4:15  | 4   | 2    | 0     | 0   | 0 | 5   | 47   | 6   | 53             | 16:00 | 16:15 | 150  | 51    | 8   | 2  | 0   | 200 | 211 |
| 4:15           | 4:30  | 7   | 2    | 0     | 0   | 0 | 8   |      | 9   |                | 16:15 | 16:30 | 125  | 34    | 2   | 8  | 0   | 163 | 169 |
| 4:30           | 4:45  | 7   | 4    | 0     | 0   | 0 | 9   |      | 11  |                | 16:30 | 16:45 | 146  | 44    | 6   | 4  | 0   | 191 | 200 |
| 4:45           | 5:00  | 23  | 4    | 0     | 0   | 0 | 25  |      | 27  |                | 16:45 | 17:00 | 128  | 44    | 4   | 10 | 0   | 180 | 186 |
| 5:00           | 5:15  | 32  | 8    | 0     | 0   | 0 | 36  | 262  | 40  | 273            | 17:00 | 17:15 | 158  | 43    | 1   | 6  | 0   | 194 | 208 |
| 5:15           | 5:30  | 23  | 10   | 2     | 4   | 0 | 41  |      | 39  |                | 17:15 | 17:30 | 161  | 54    | 1   | 6  | 0   | 203 | 222 |
| 5:30           | 5:45  | 44  | 27   | 0     | 7   | 0 | 72  |      | 78  |                | 17:30 | 17:45 | 124  | 31    | 3   | 8  | 0   | 163 | 166 |
| 5:45           | 6:00  | 86  | 22   | 1     | 7   | 0 | 114 |      | 116 |                | 17:45 | 18:00 | 127  | 28    | 3   | 8  | 0   | 165 | 166 |
| 6:00           | 6:15  | 68  | 31   | 1     | 7   | 0 | 100 | 713  | 107 | 759            | 18:00 | 18:15 | 155  | 36    | 1   | 4  | 0   | 184 | 196 |
| 6:15           | 6:30  | 91  | 40   | 2     | 10  | 0 | 136 |      | 143 |                | 18:15 | 18:30 | 131  | 31    | 2   | 7  | 0   | 166 | 171 |
| 6:30           | 6:45  | 143 | 55   | 2     | 11  | 0 | 198 |      | 211 |                | 18:30 | 18:45 | 126  | 27    | 1   | 7  | 0   | 156 | 161 |
| 6:45           | 7:00  | 234 | 55   | 0     | 9   | 0 | 280 |      | 298 |                | 18:45 | 19:00 | 147  | 30    | 3   | 7  | 0   | 184 | 187 |
| 7:00           | 7:15  | 207 | 73   | 0     | 9   | 0 | 262 | 1124 | 289 | 1266           | 19:00 | 19:15 | 154  | 25    | 1   | 8  | 0   | 185 | 188 |
| 7:15           | 7:30  | 205 | 96   | 6     | 10  | 0 | 288 |      | 317 |                | 19:15 | 19:30 | 152  | 21    | 0   | 5  | 0   | 173 | 178 |
| 7:30           | 7:45  | 212 | 105  | 6     | 8   | 0 | 296 |      | 331 |                | 19:30 | 19:45 | 130  | 14    | 0   | 8  | 0   | 153 | 152 |
| 7:45           | 8:00  | 185 | 131  | 5     | 8   | 0 | 279 |      | 329 |                | 19:45 | 20:00 | 117  | 6     | 0   | 5  | 0   | 130 | 128 |
| 8:00           | 8:15  | 159 | 80   | 7     | 5   | 0 | 227 | 860  | 251 | 945            | 20:00 | 20:15 | 108  | 7     | 0   | 3  | 0   | 118 | 118 |
| 8:15           | 8:30  | 163 | 73   | 1     | 8   | 0 | 218 |      | 245 |                | 20:15 | 20:30 | 123  | 17    | 1   | 4  | 0   | 142 | 145 |
| 8:30           | 8:45  | 156 | 67   | 4     | 3   | 0 | 206 |      | 230 |                | 20:30 | 20:45 | 110  | 14    | 0   | 8  | 0   | 133 | 132 |
| 8:45           | 9:00  | 151 | 54   | 8     | 6   | 0 | 210 |      | 219 |                | 20:45 | 21:00 | 100  | 16    | 1   | 3  | 0   | 117 | 120 |
| 9:00           | 9:15  | 146 | 48   | 5     | 8   | 0 | 199 | 767  | 207 | 812            | 21:00 | 21:15 | 96   | 16    | 1   | 3  | 0   | 113 | 116 |
| 9:15           | 9:30  | 143 | 57   | 6     | 6   | 0 | 199 |      | 212 |                | 21:15 | 21:30 | 81   | 8     | 3   | 3  | 0   | 99  | 95  |
| 9:30           | 9:45  | 143 | 48   | 8     | 6   | 0 | 199 |      | 205 |                | 21:30 | 21:45 | 80   | 8     | 1   | 6  | 0   | 99  | 95  |
| 9:45           | 10:00 | 127 | 53   | 2     | 6   | 0 | 171 |      | 188 |                | 21:45 | 22:00 | 85   | 8     | 0   | 4  | 0   | 97  | 97  |
| 10:00          | 10:15 | 145 | 55   | 5     | 5   | 0 | 195 | 725  | 210 | 766            | 22:00 | 22:15 | 88   | 8     | 0   | 4  | 0   | 100 | 100 |
| 10:15          | 10:30 | 121 | 46   | 4     | 8   | 0 | 170 |      | 179 |                | 22:15 | 22:30 | 54   | 15    | 0   | 0  | 0   | 62  | 69  |
| 10:30          | 10:45 | 129 | 46   | 4     | 5   | 0 | 172 |      | 184 |                | 22:30 | 22:45 | 62   | 8     | 2   | 9  | 0   | 89  | 81  |
| 10:45          | 11:00 | 132 | 47   | 9     | 5   | 0 | 188 |      | 193 |                | 22:45 | 23:00 | 54   | 12    | 0   | 3  | 0   | 66  | 69  |
| 11:00          | 11:15 | 130 | 53   | 6     | 3   | 0 | 178 | 630  | 192 | 674            | 23:00 | 23:15 | 63   | 11    | 1   | 5  | 0   | 81  | 80  |
| 11:15          | 11:30 | 109 | 43   | 1     | 7   | 0 | 147 |      | 160 |                | 23:15 | 23:30 | 43   | 9     | 0   | 1  | 0   | 50  | 53  |
| 11:30          | 11:45 | 111 | 37   | 5     | 7   | 0 | 156 |      | 160 |                | 23:30 | 23:45 | 35   | 4     | 0   | 5  | 0   | 47  | 44  |
| 11:45          | 12:00 | 106 | 47   | 4     | 5   | 0 | 150 |      | 162 |                | 23:45 | 0:00  | 25   | 5     | 3   | 6  | 0   | 47  | 39  |