

2) Weekday

[Morning Peak]

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

Direction 1

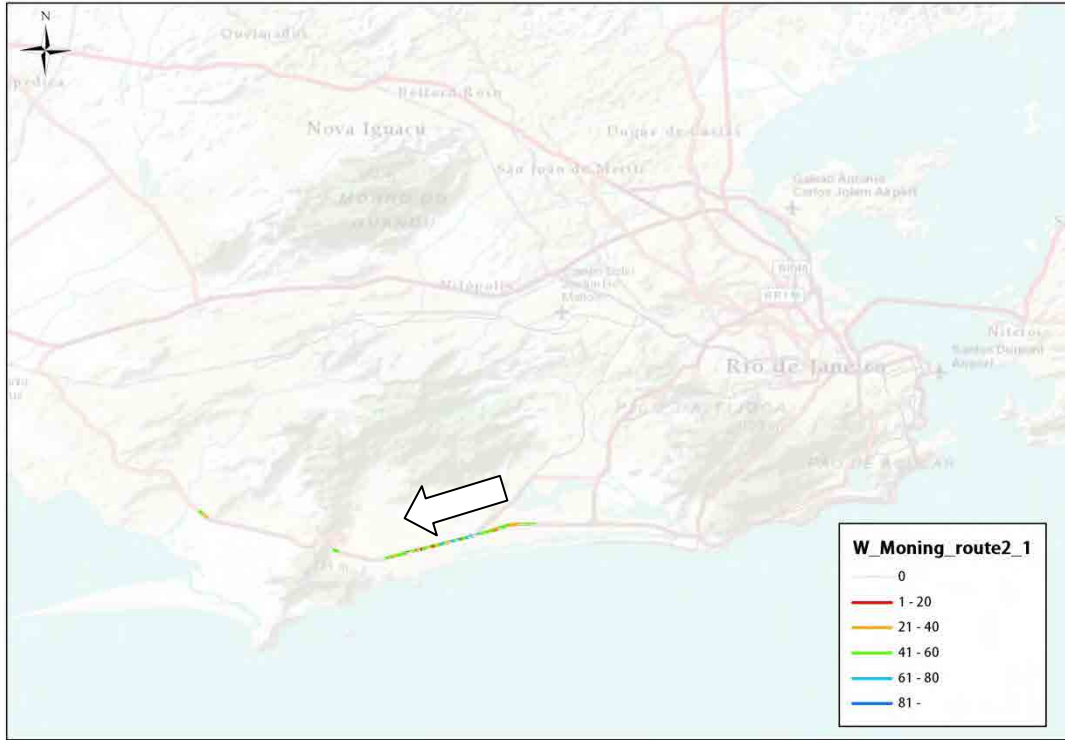


Direction 2



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

Direction 1



Direction 2

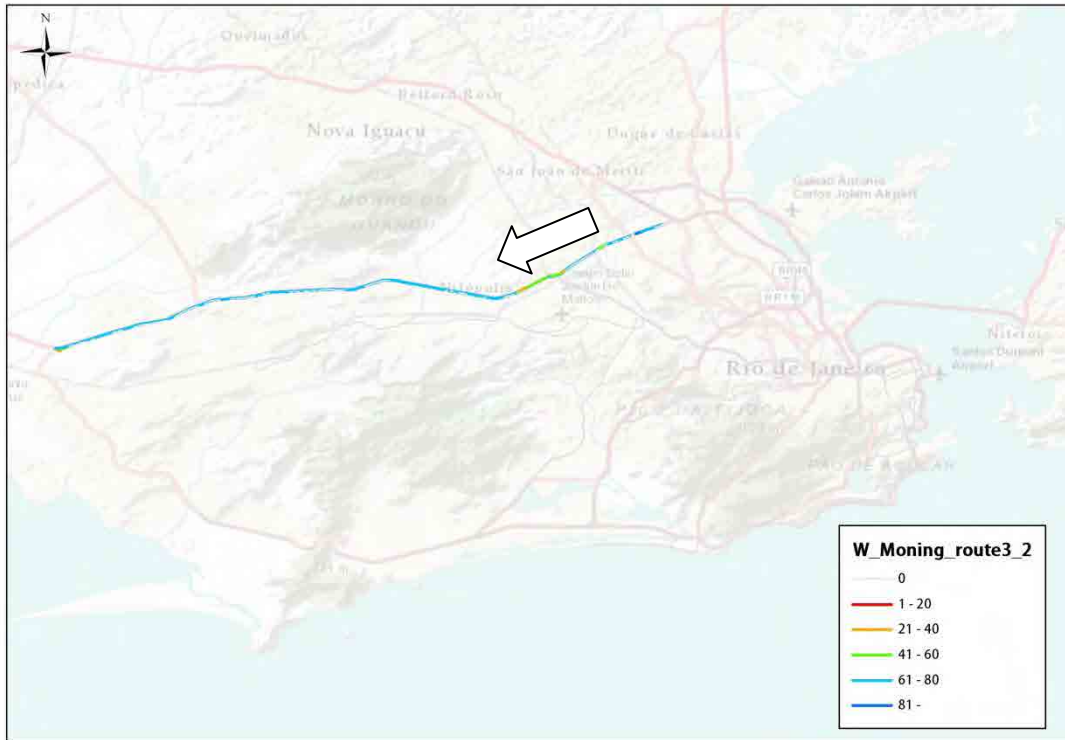


Route	Direction	Start	Goal	Main Road	Distance(km)
3	3-1	Av. da Brasil / Rod. Rio-santos	Av. da Brasil / Rod. Pres. Dutra	Av. Brasil	40
	3-2	Av. da Brasil / Rod. Pres. Dutra	Av. da Brasil / Rod. Rio-santos		39

Direction 1

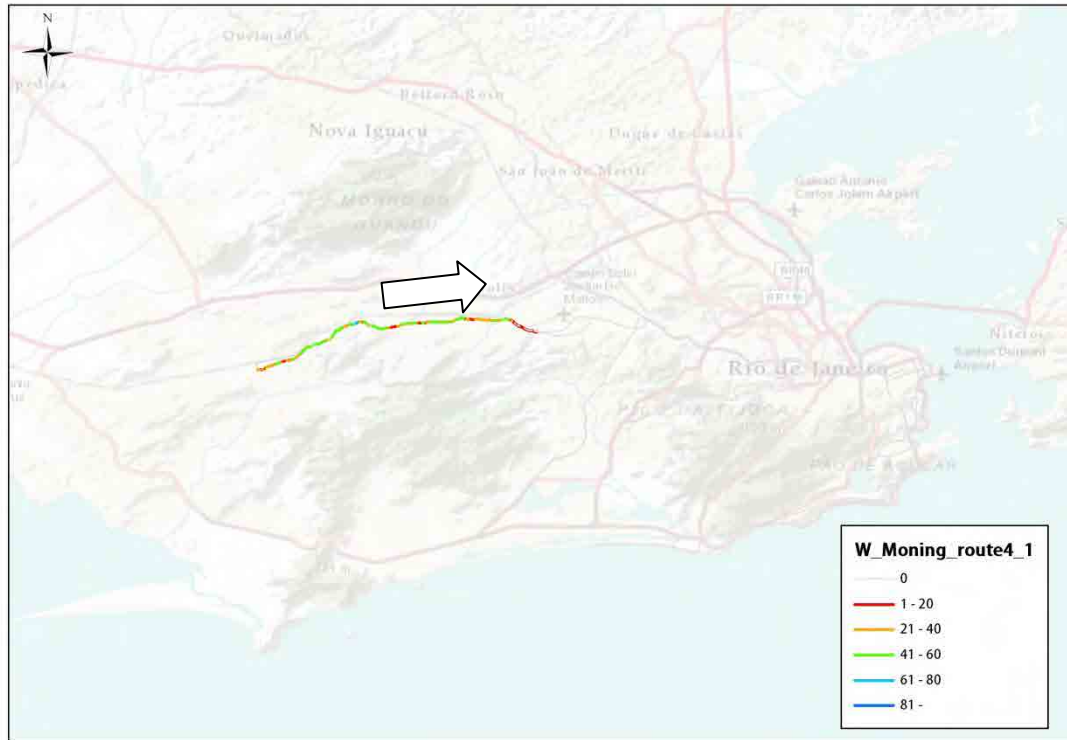


Direction 2

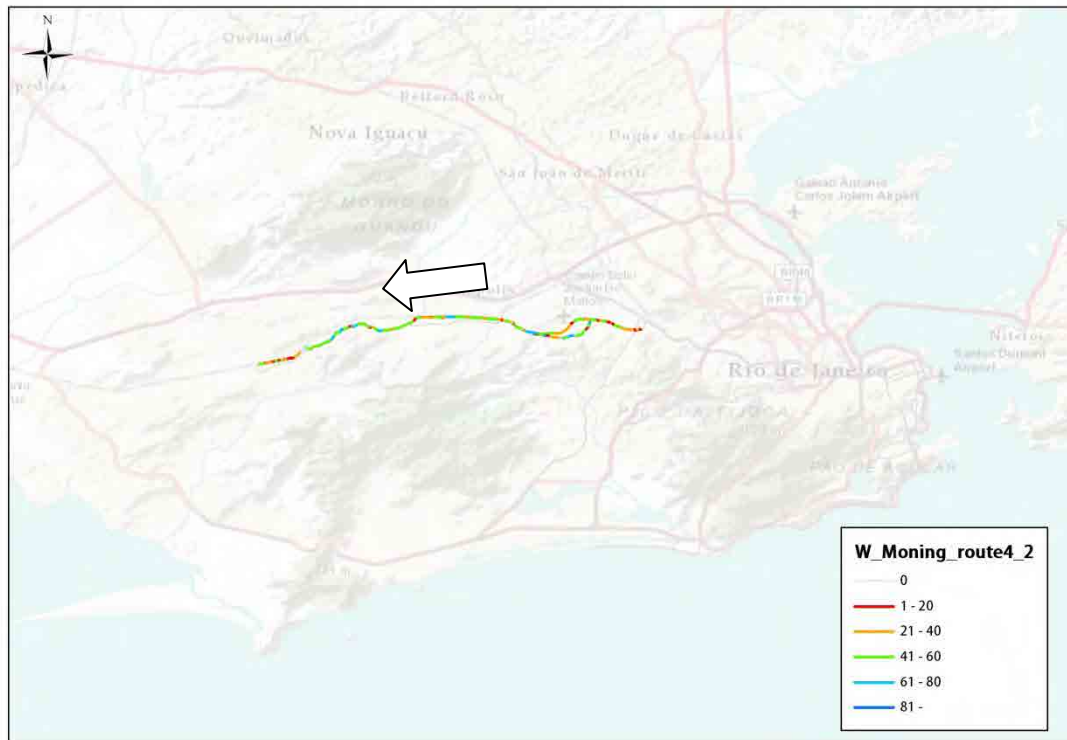


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

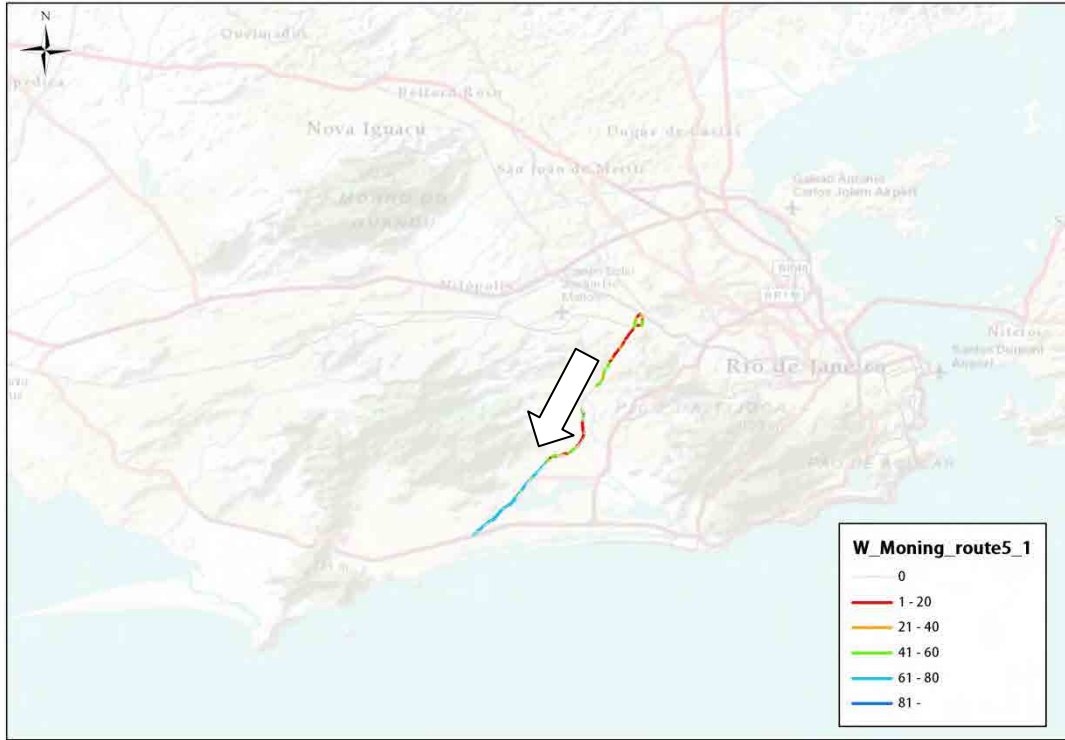


Direction 2

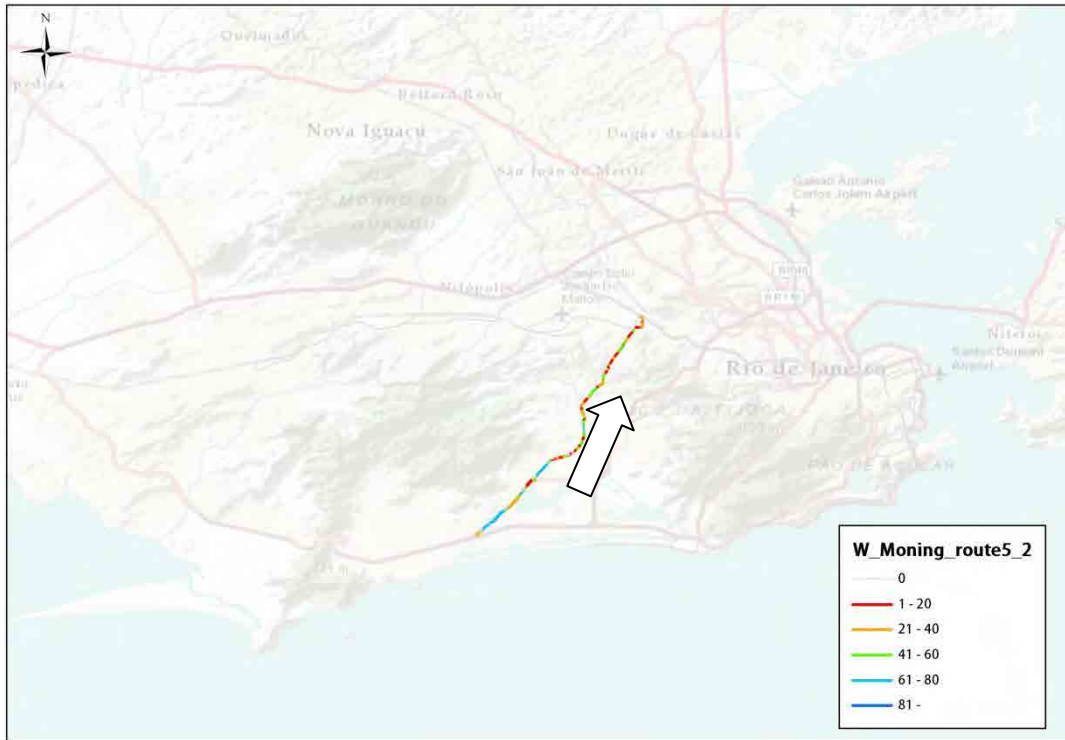


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

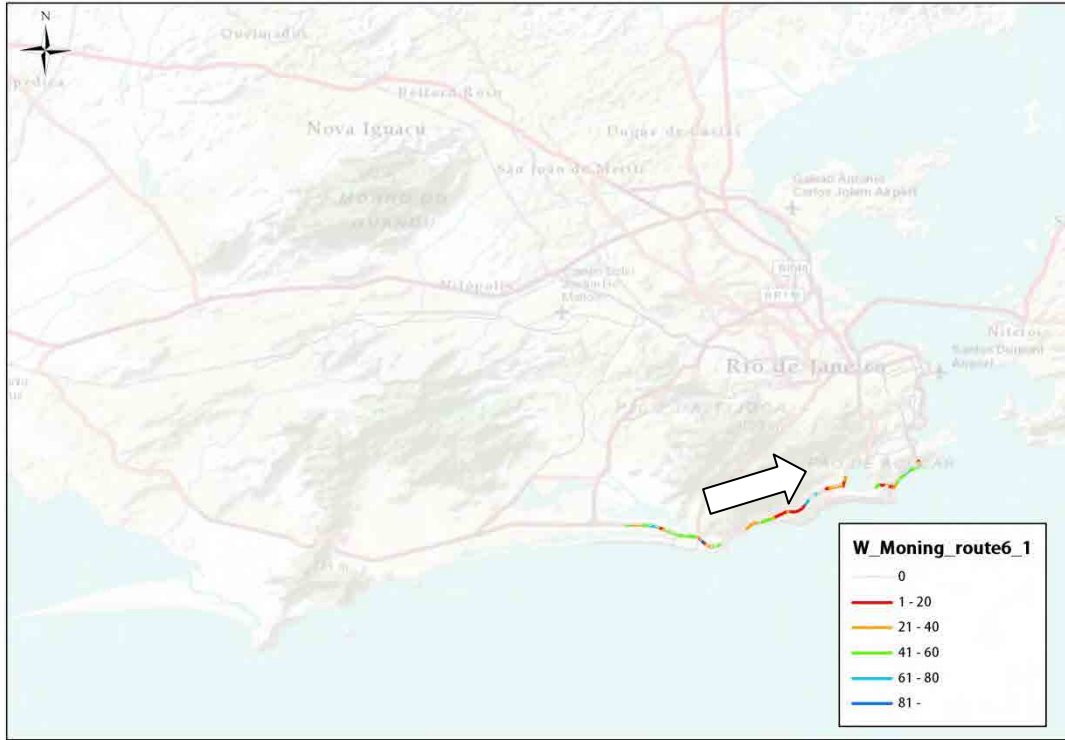


Direction 2

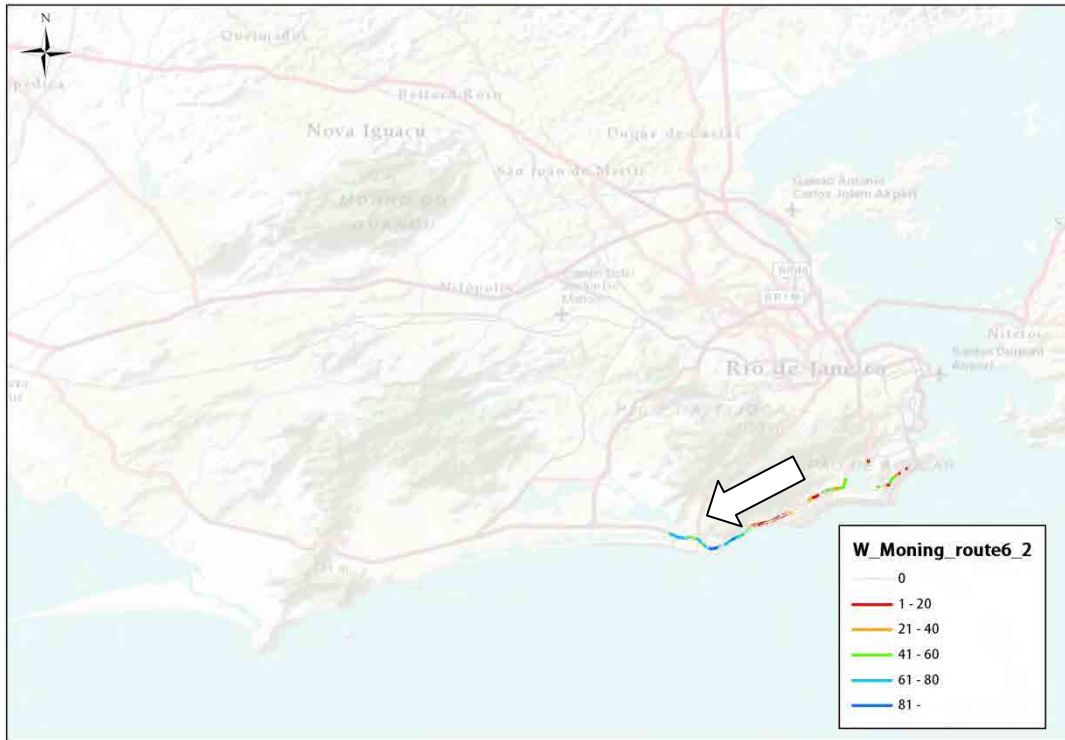


Route	Direction	Start	Goal	Main Road	Distance(km)
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22

Direction 1

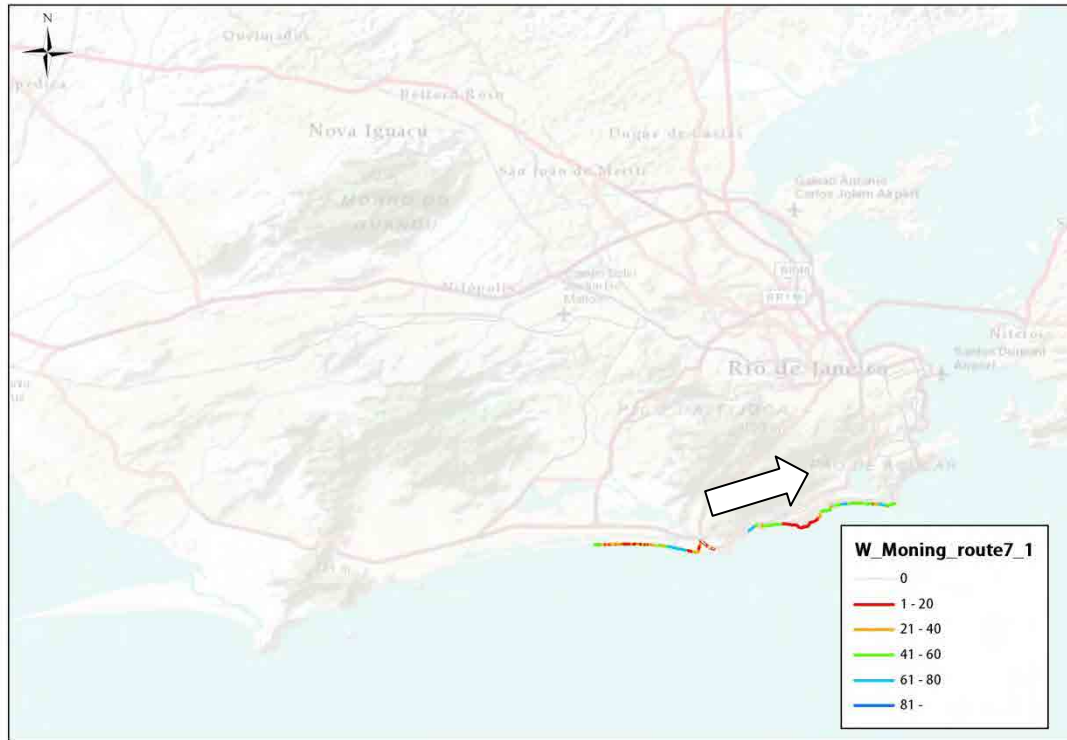


Direction 2

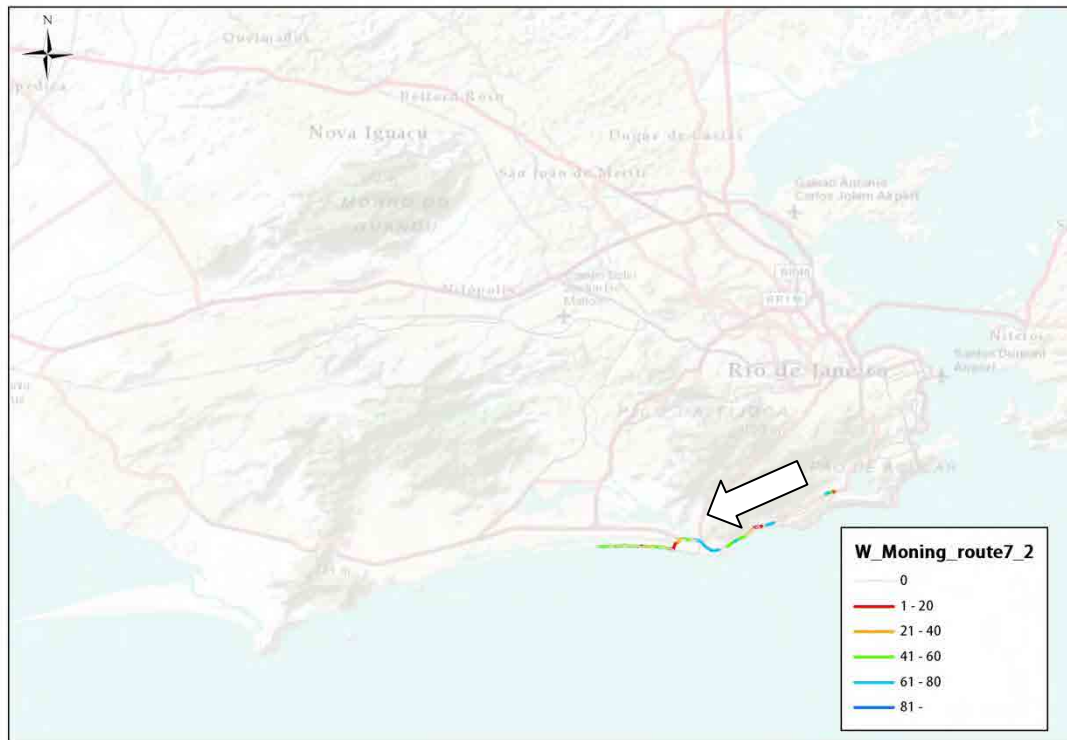


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av. Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av. Ayrton Senna		22

Direction 1



Direction 2



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

Direction 1



Direction 2



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

Direction 1

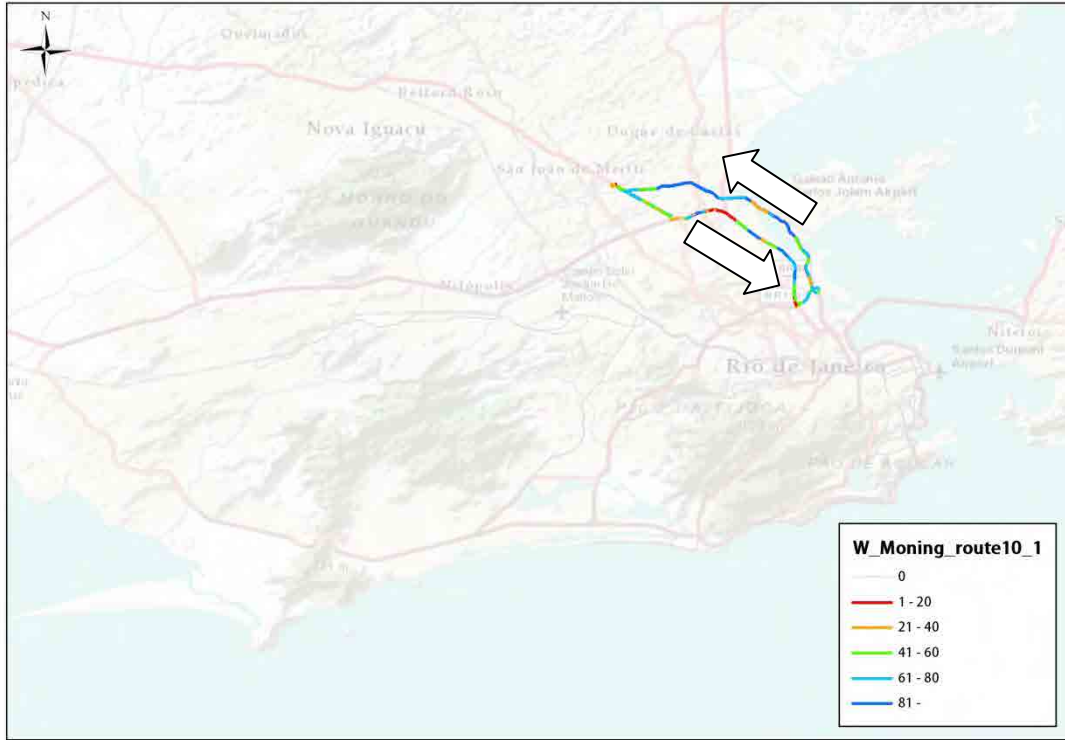


Direction 2

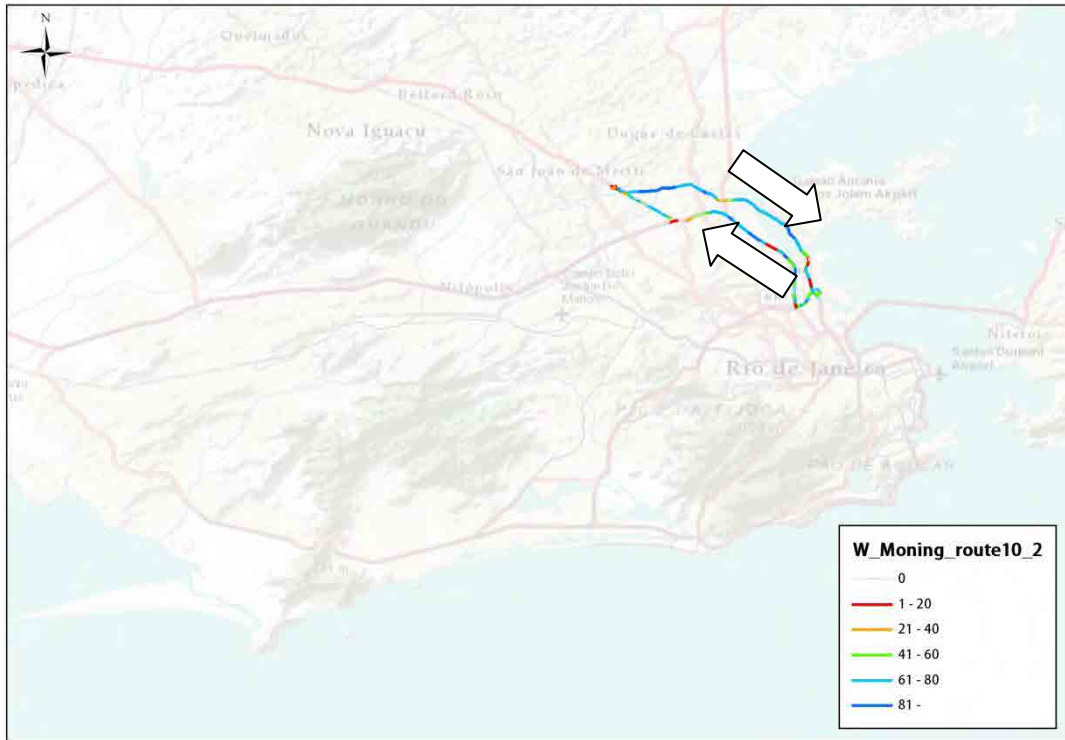


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

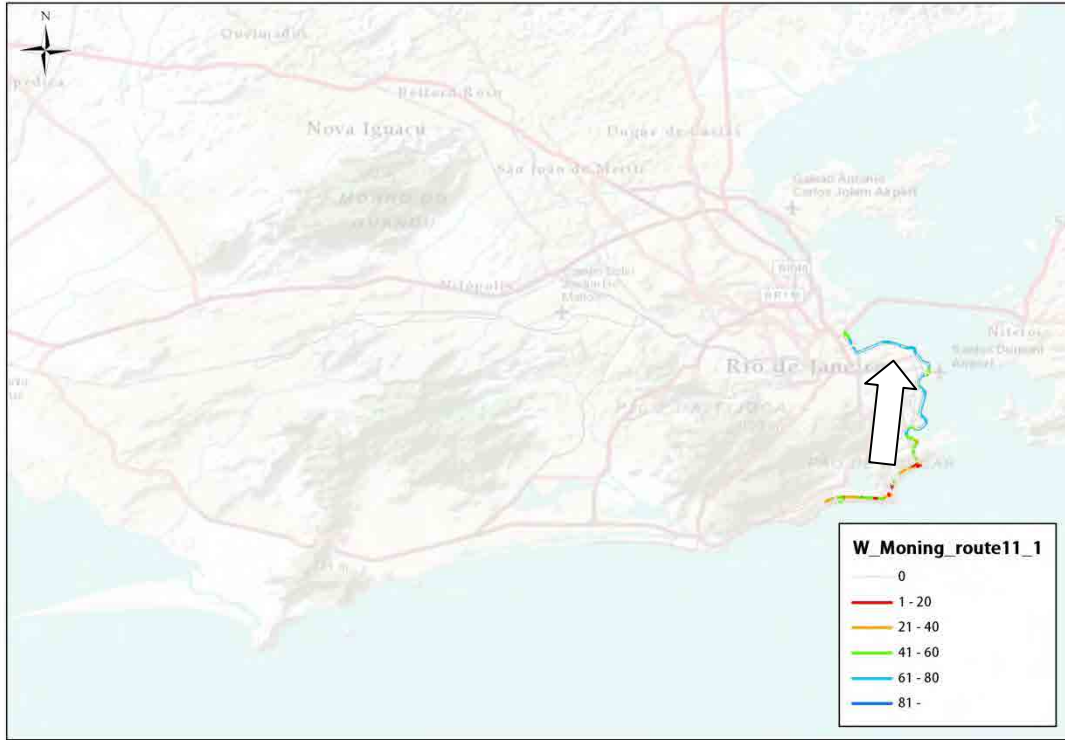


Direction 2

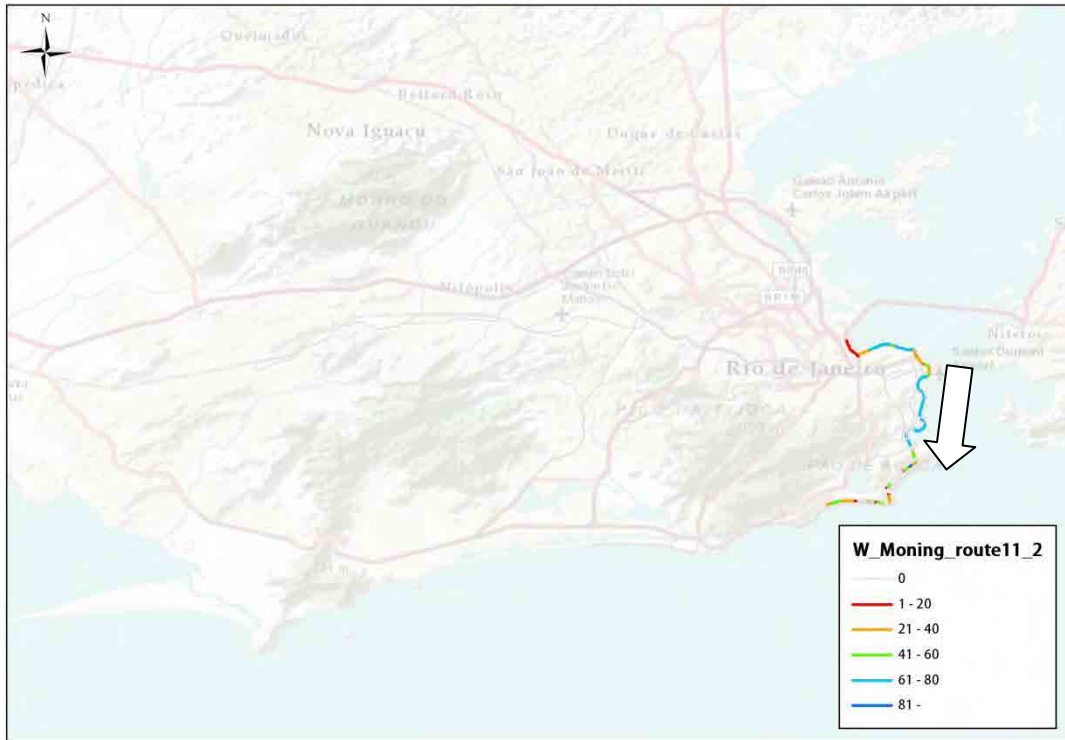


Route	Direction	Start	Goal	Main Road	Distance(km)
11	11-1	Av. Ataulfo de Paiva / R. Visc. de Albuquerque	Vevd. da Perimetral /Av. Brasil	Av. Ns. de Copacabana, Av. Gen. Justo	21
	11-2	Vevd. da Perimetral /Av. Brasil	Av. Gen. San Martin / R. Visc. de Albuquerque		20

Direction 1



Direction 2



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

Direction 1

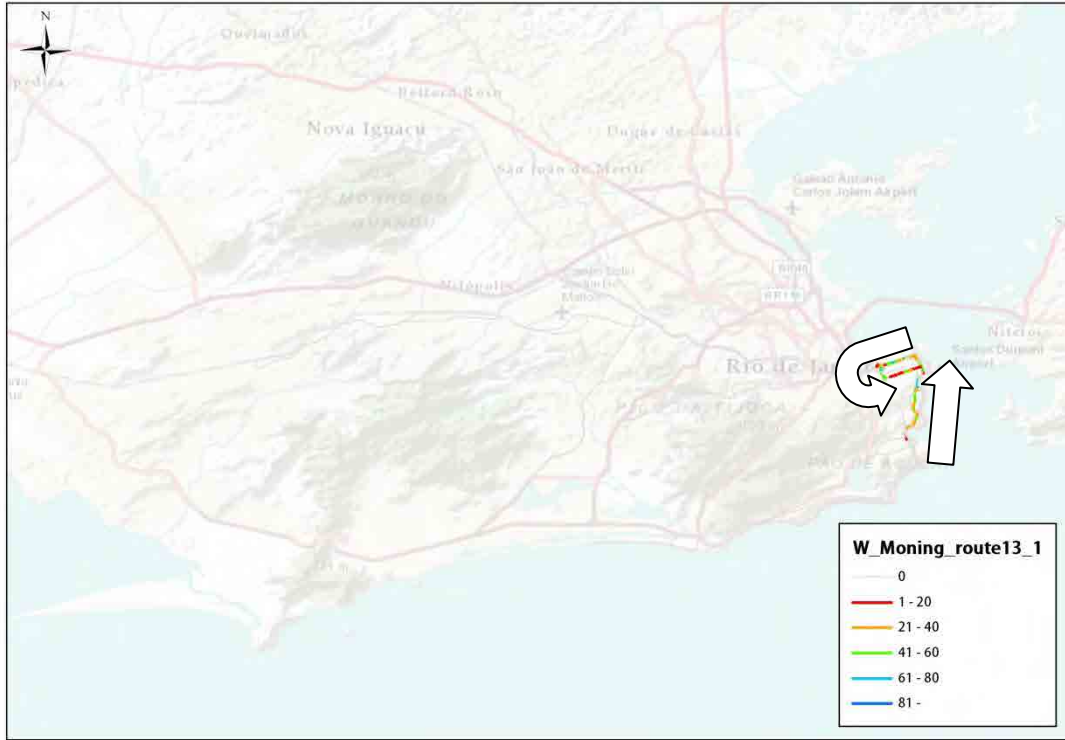


Direction 2

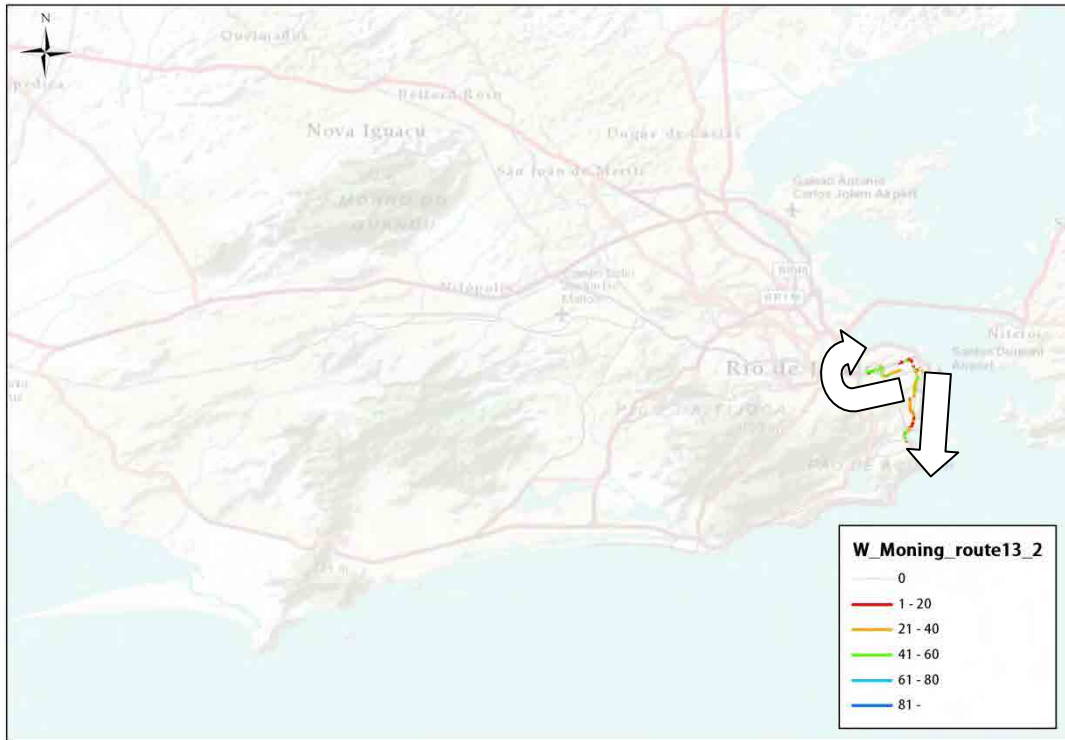


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chille, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do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

Direction 1

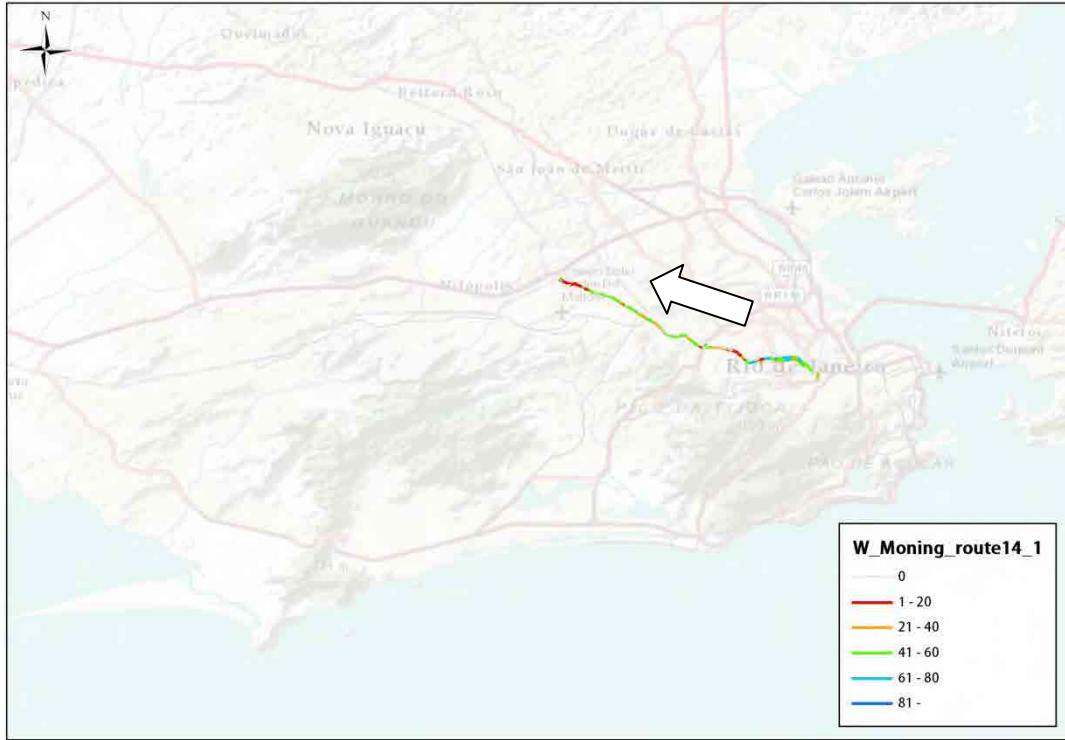


Direction 2

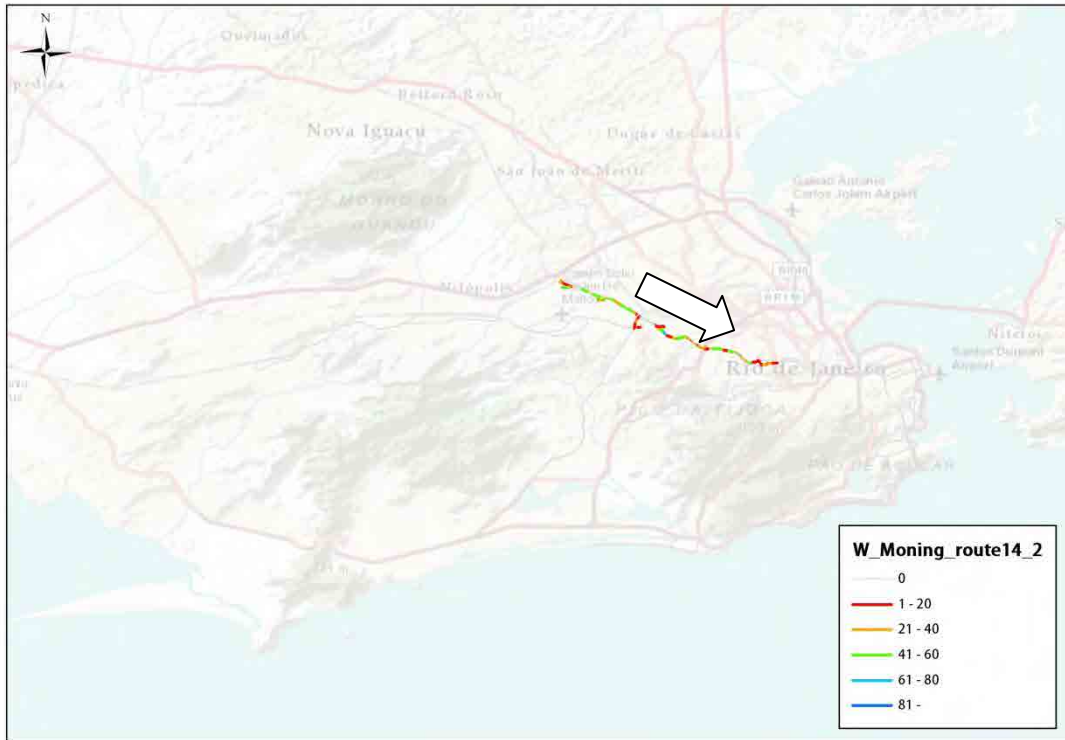


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1



Direction 2

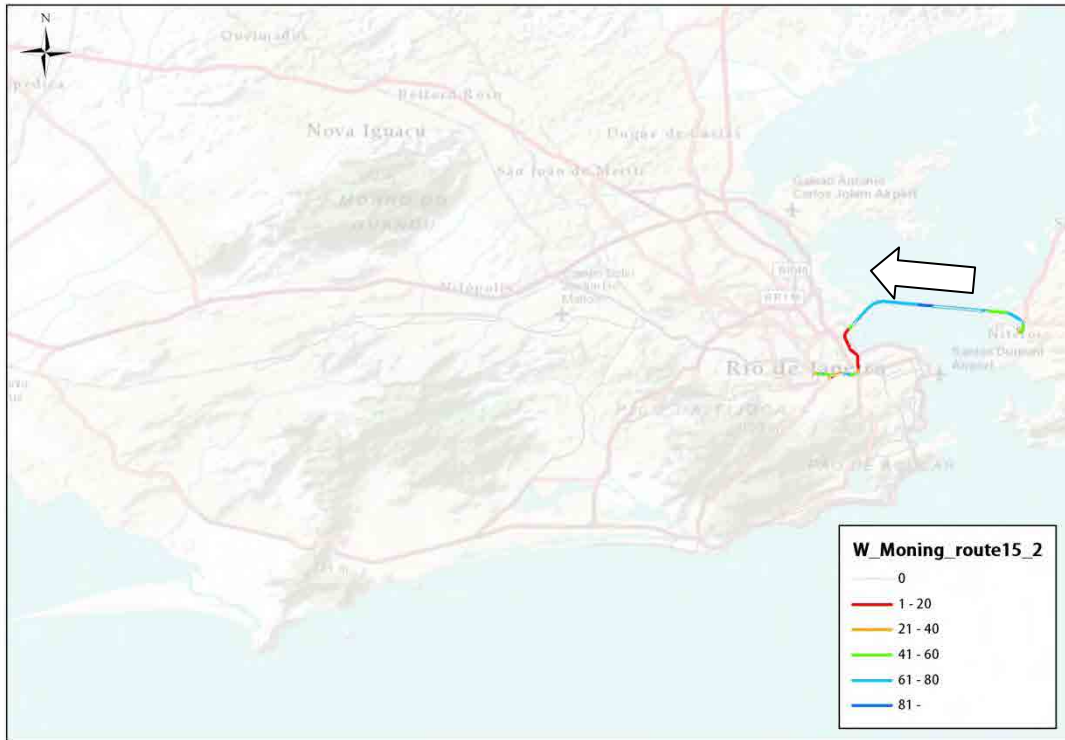


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



[Off Peak]

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

Direction 1

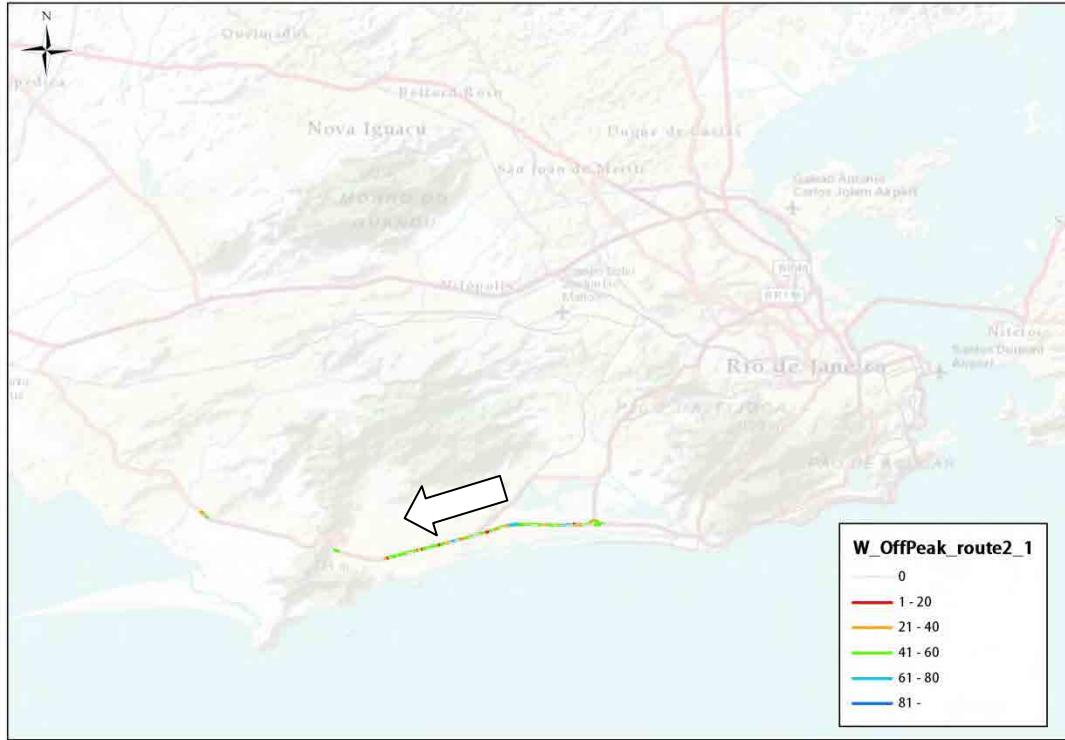


Direction 2



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

Direction 1



Direction 2



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

Direction 1

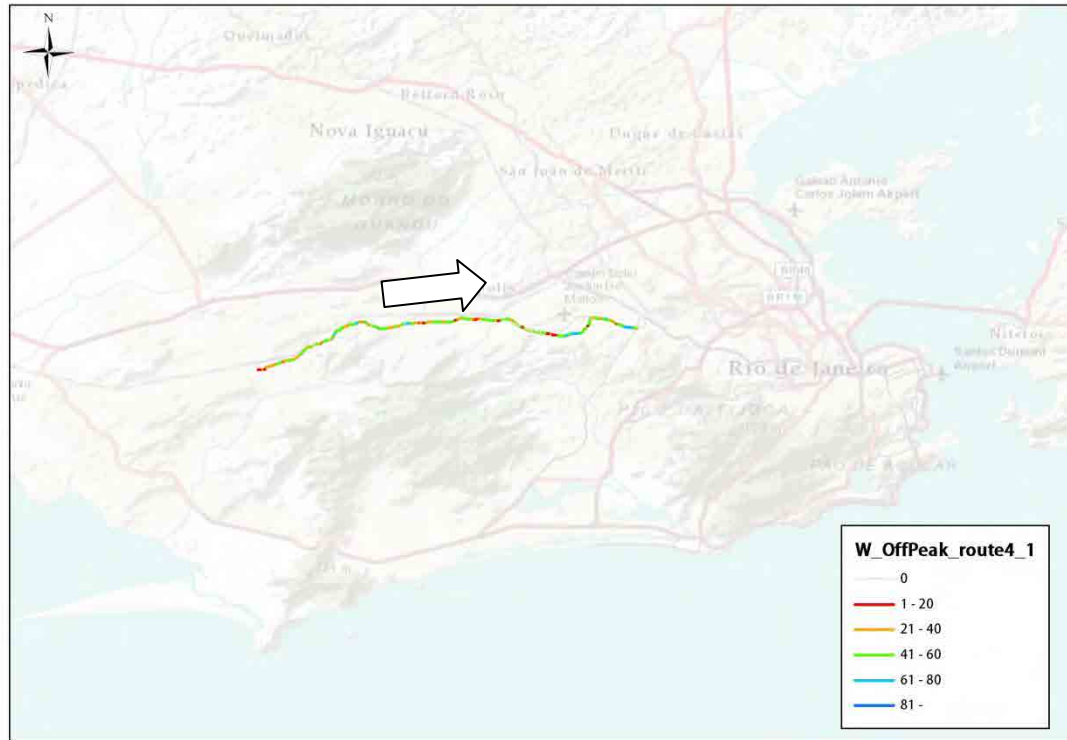


Direction 2

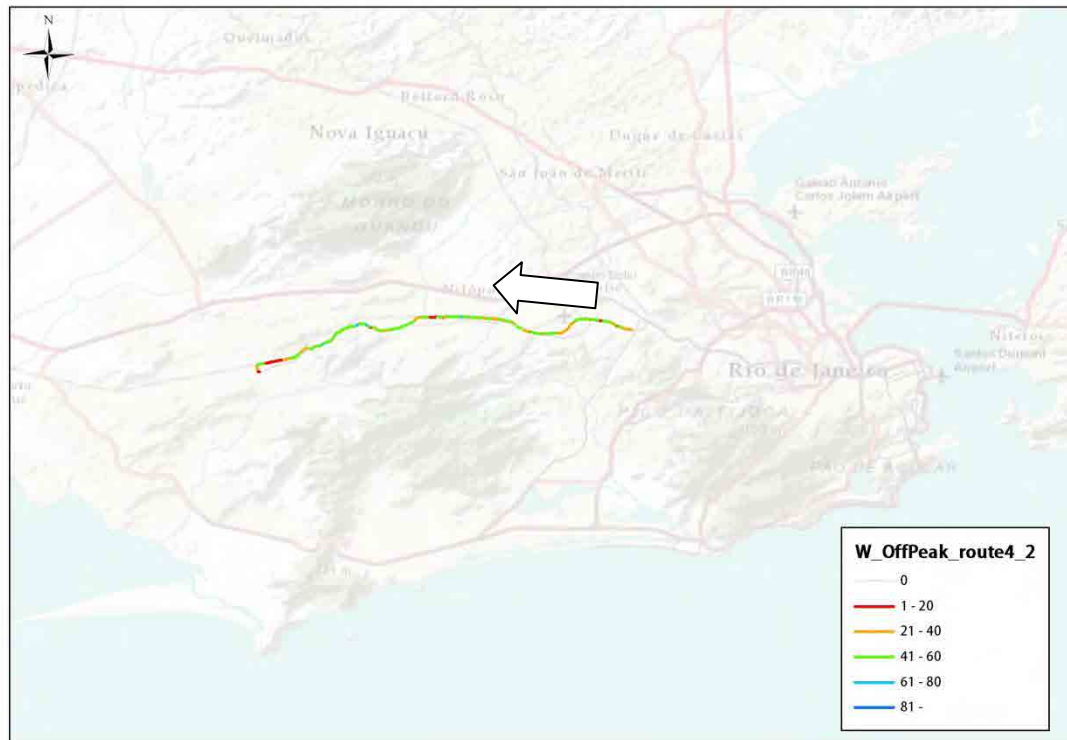


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1



Direction 2

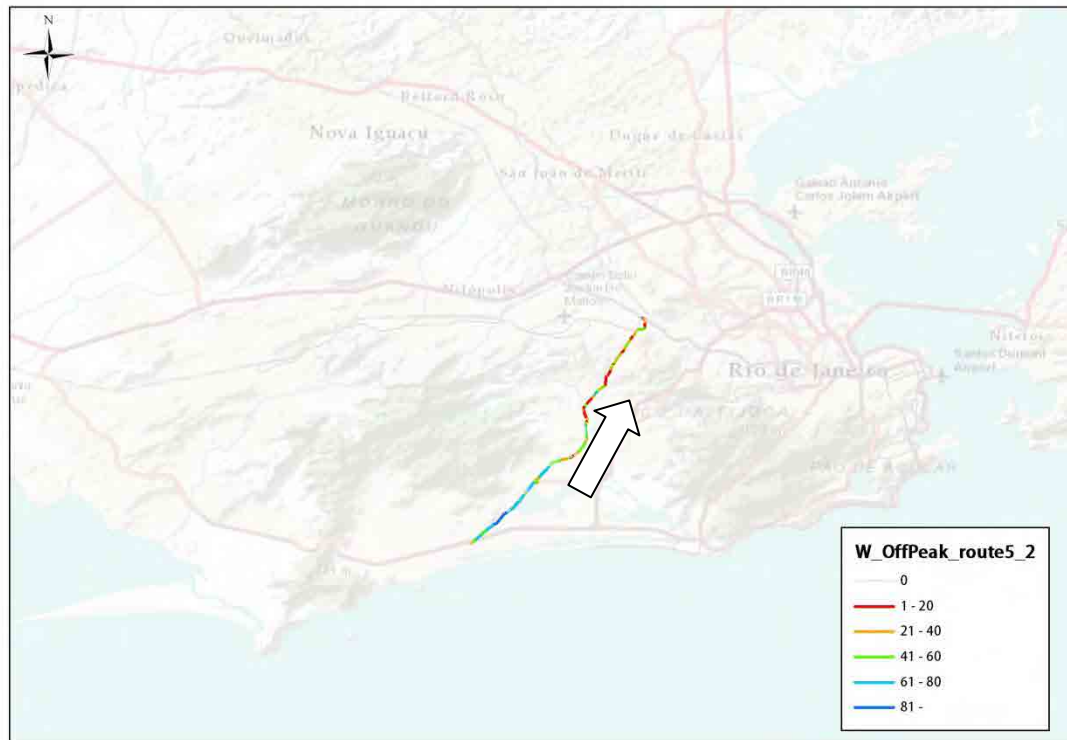


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

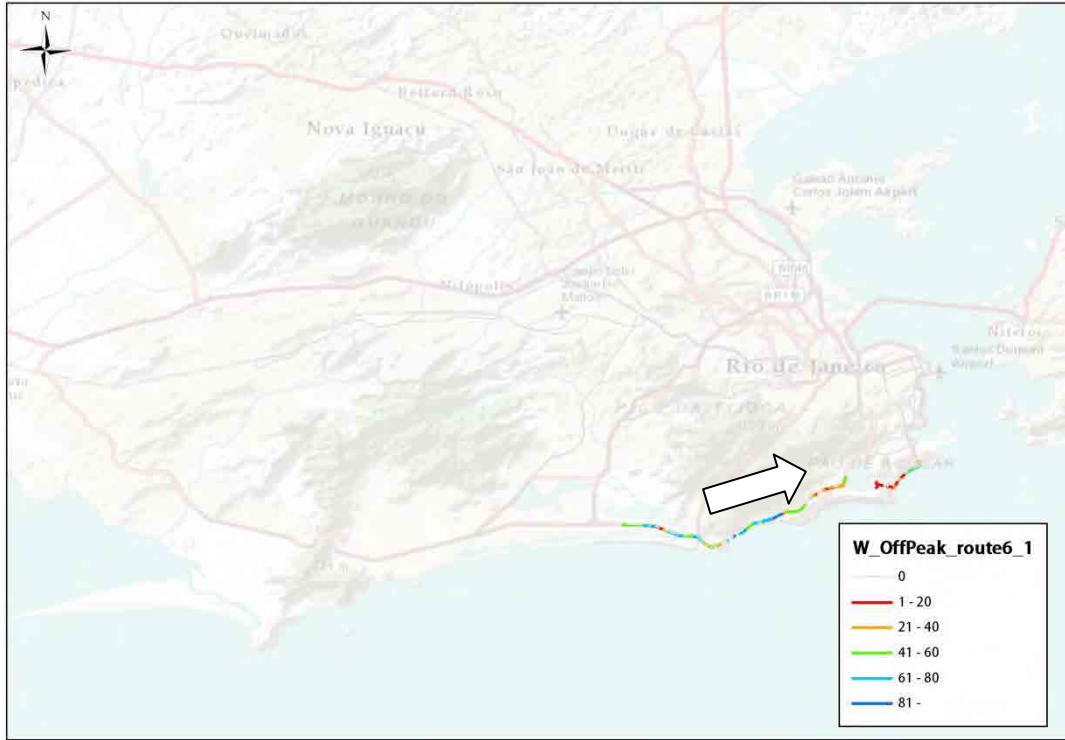


Direction 2



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

Direction 1

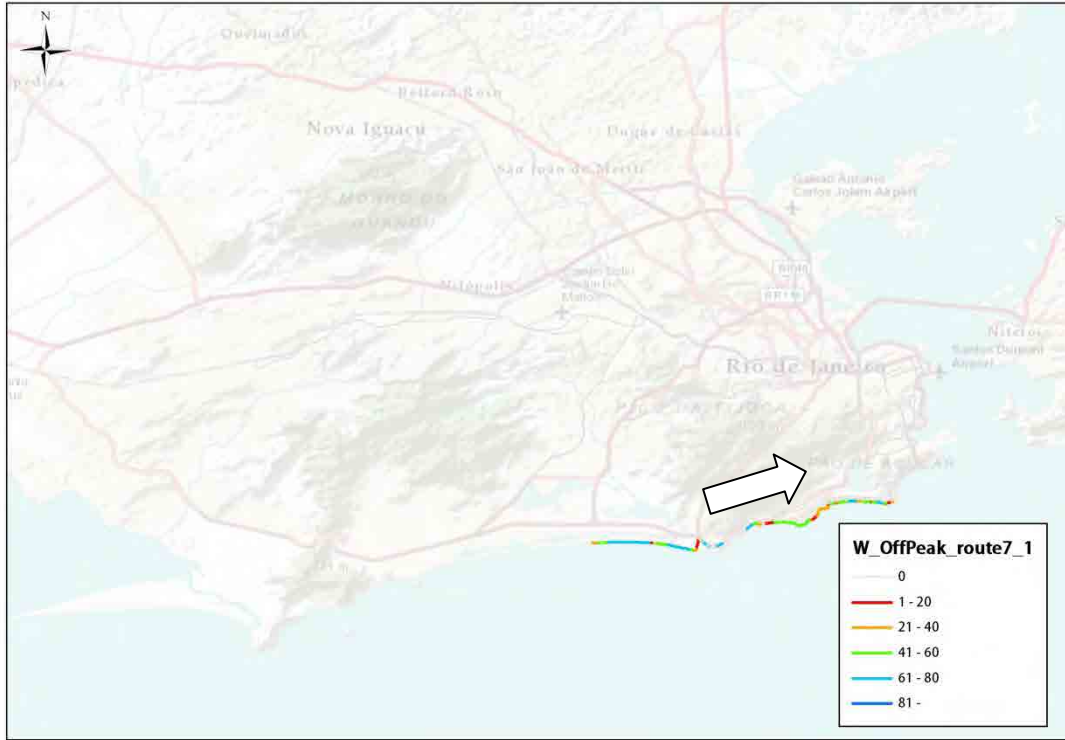


Direction 2

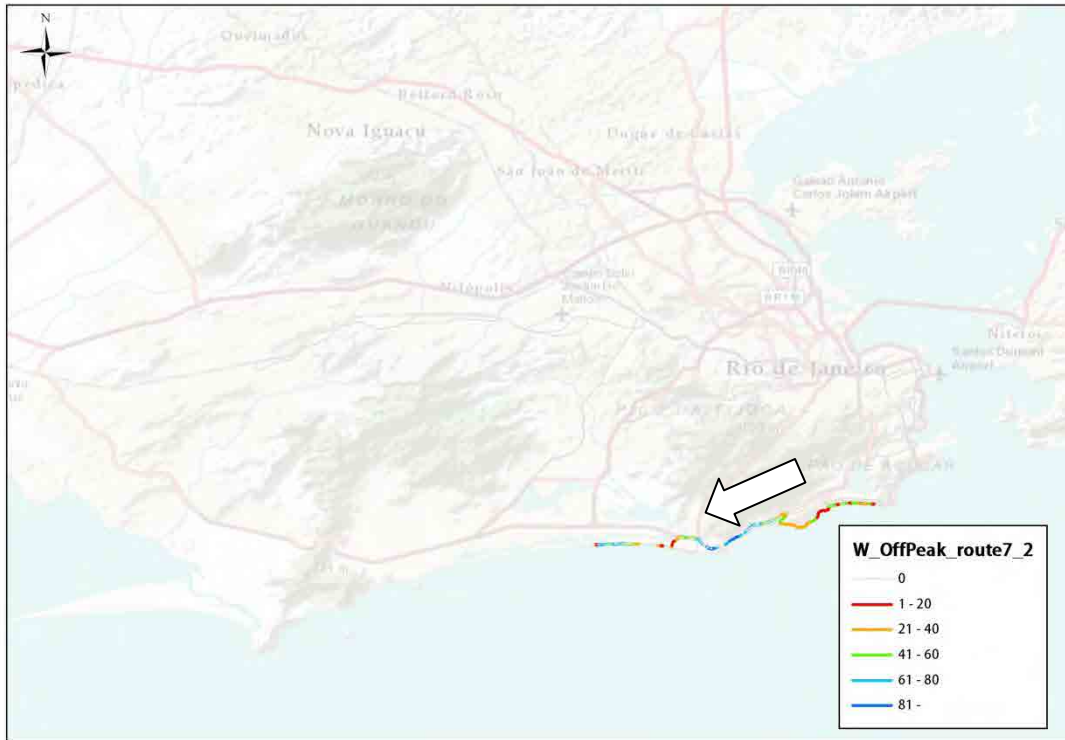


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2



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

Direction 1



Direction 2



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

Direction 1

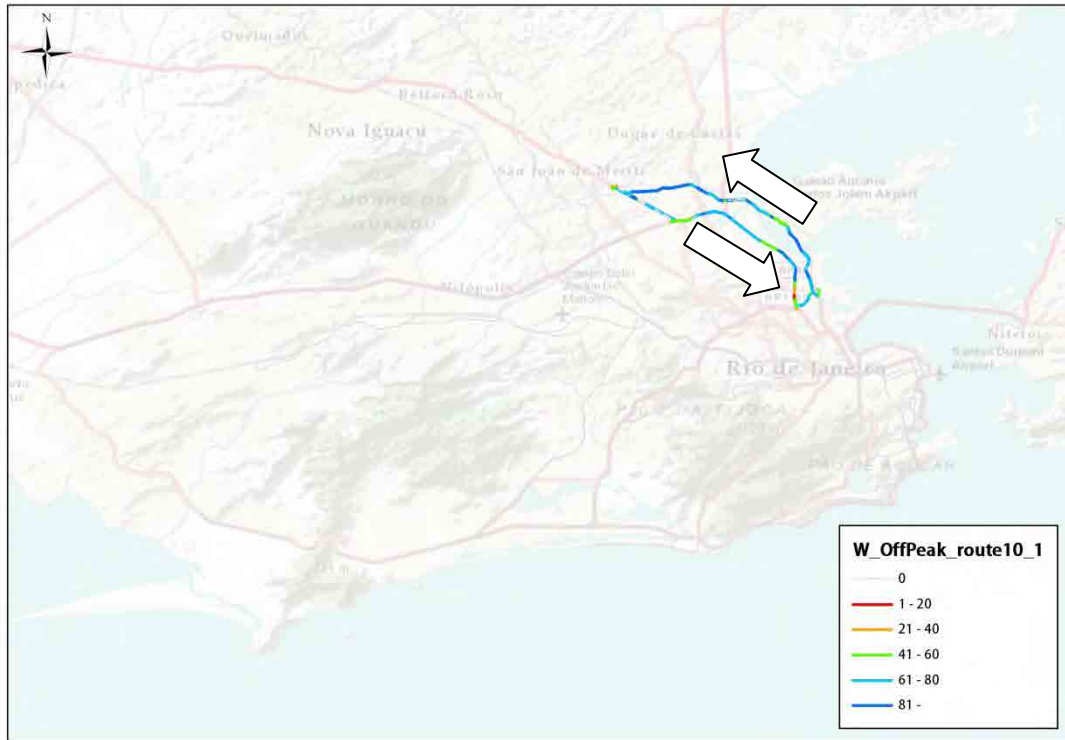


Direction 2

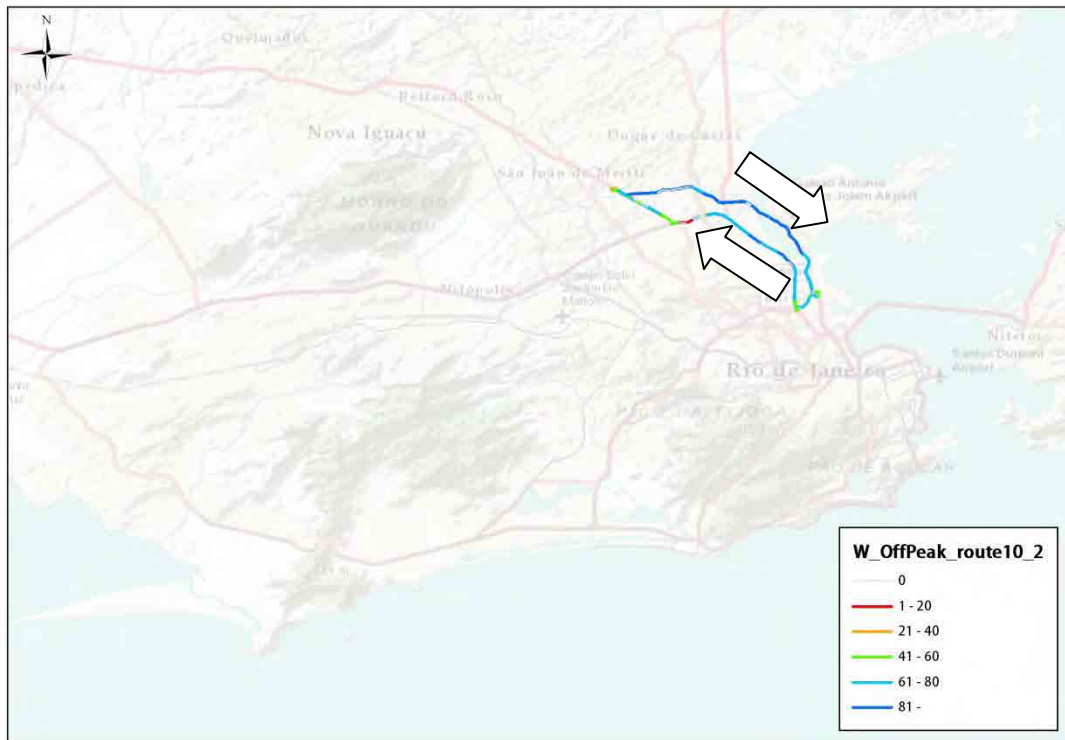


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

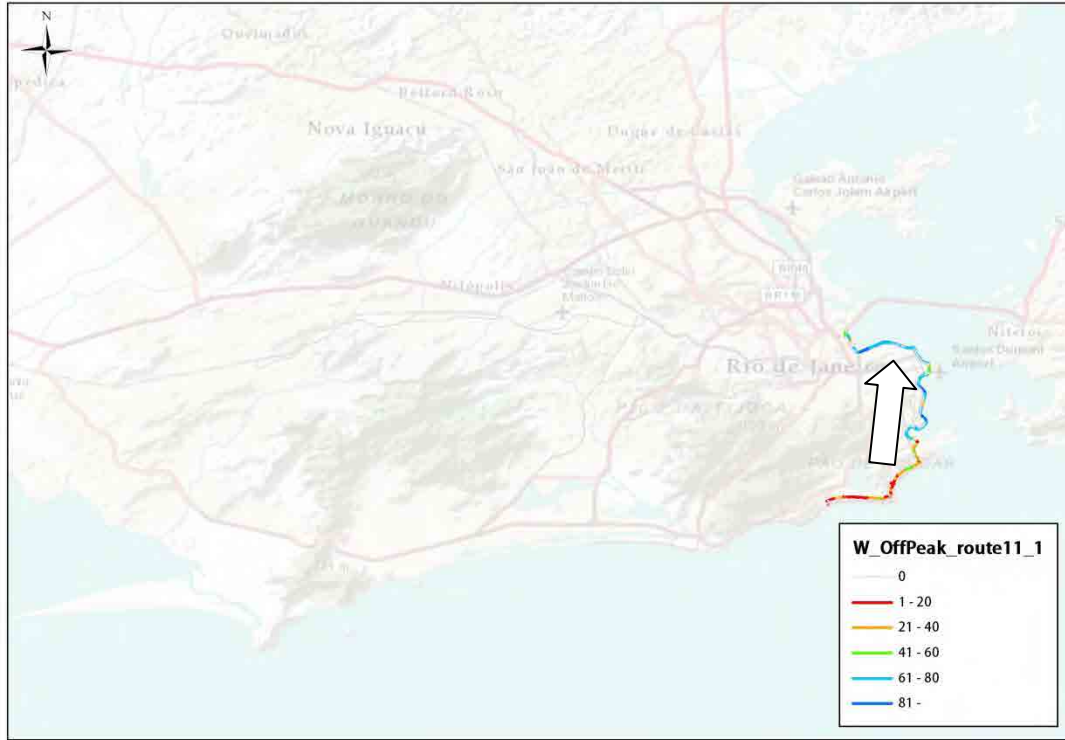


Direction 2



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

Direction 1



Direction 2



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

Direction 1

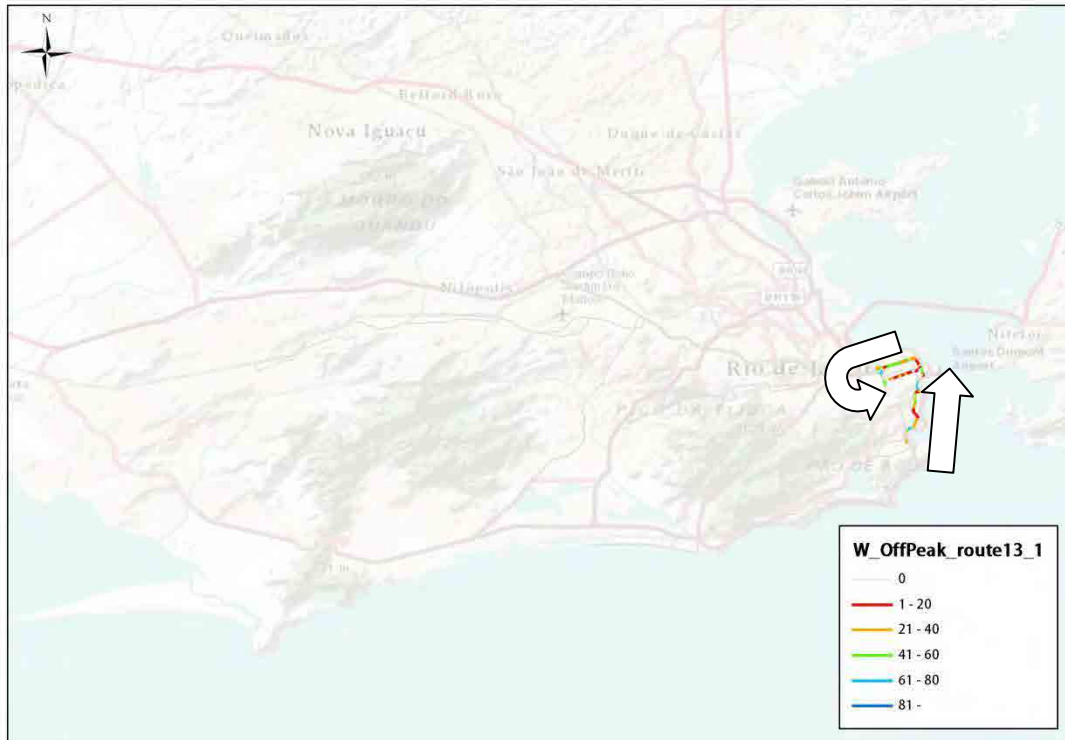


Direction 2

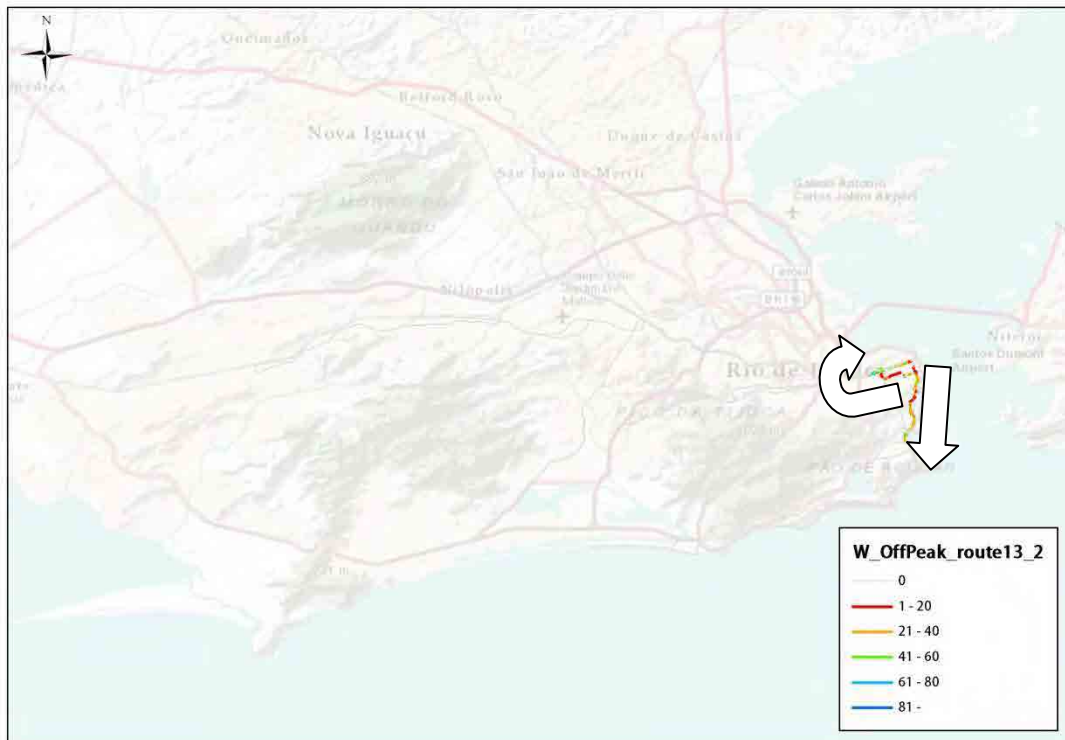


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do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

Direction 1

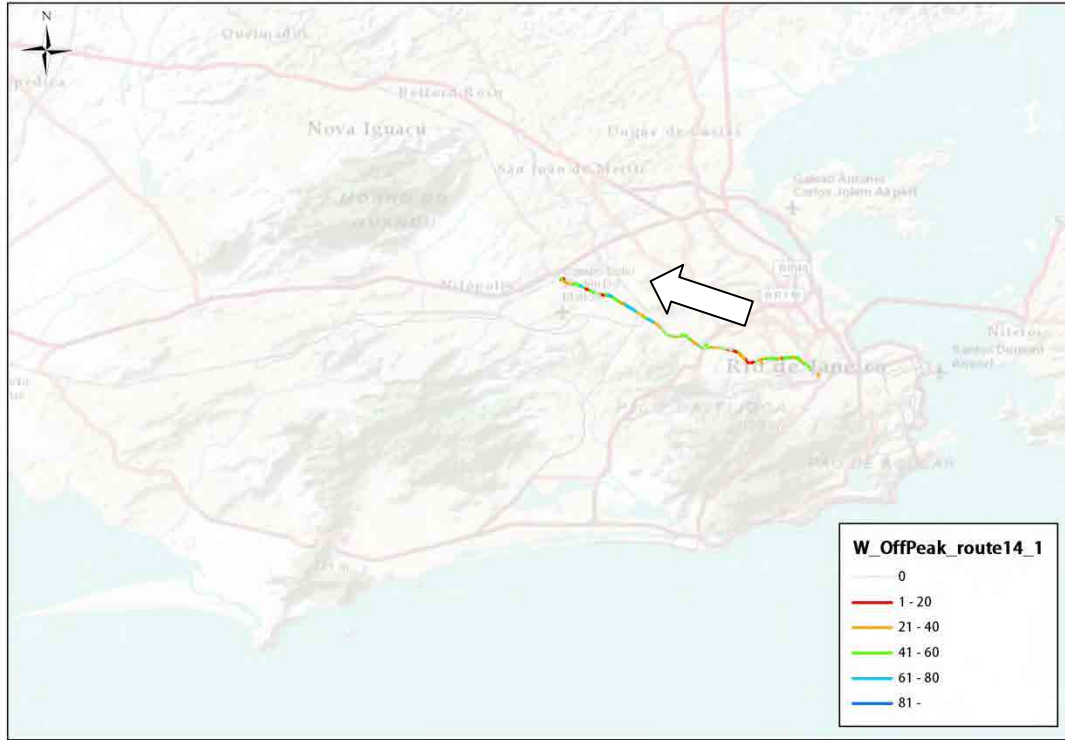


Direction 2

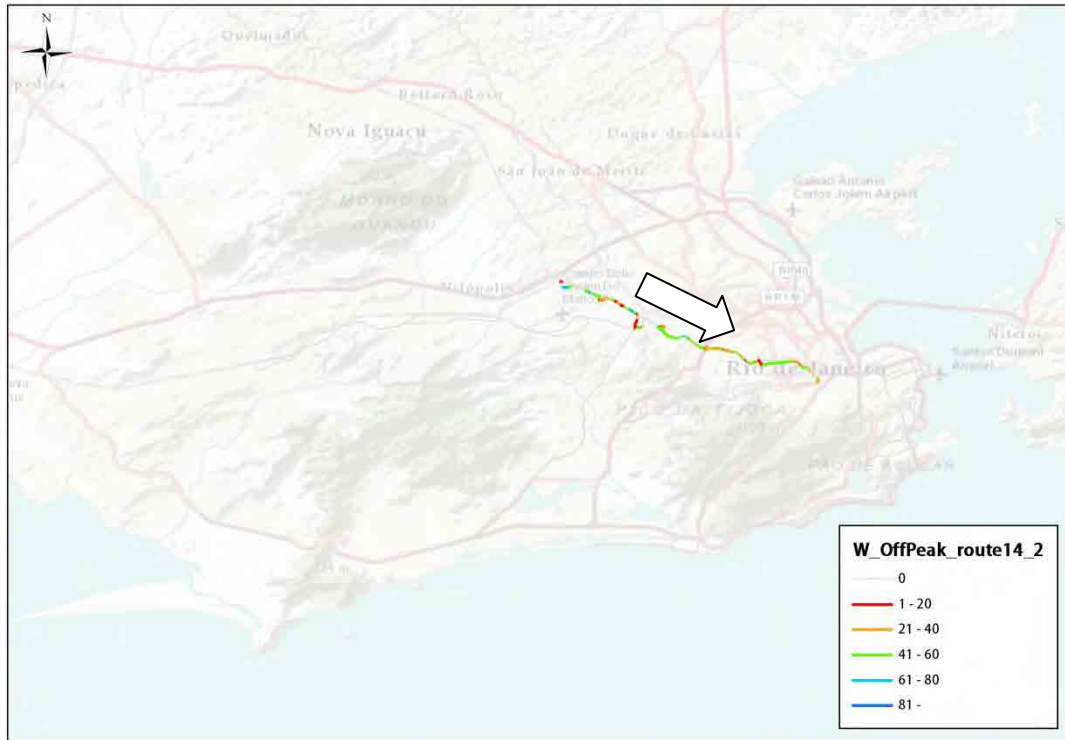


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1



Direction 2

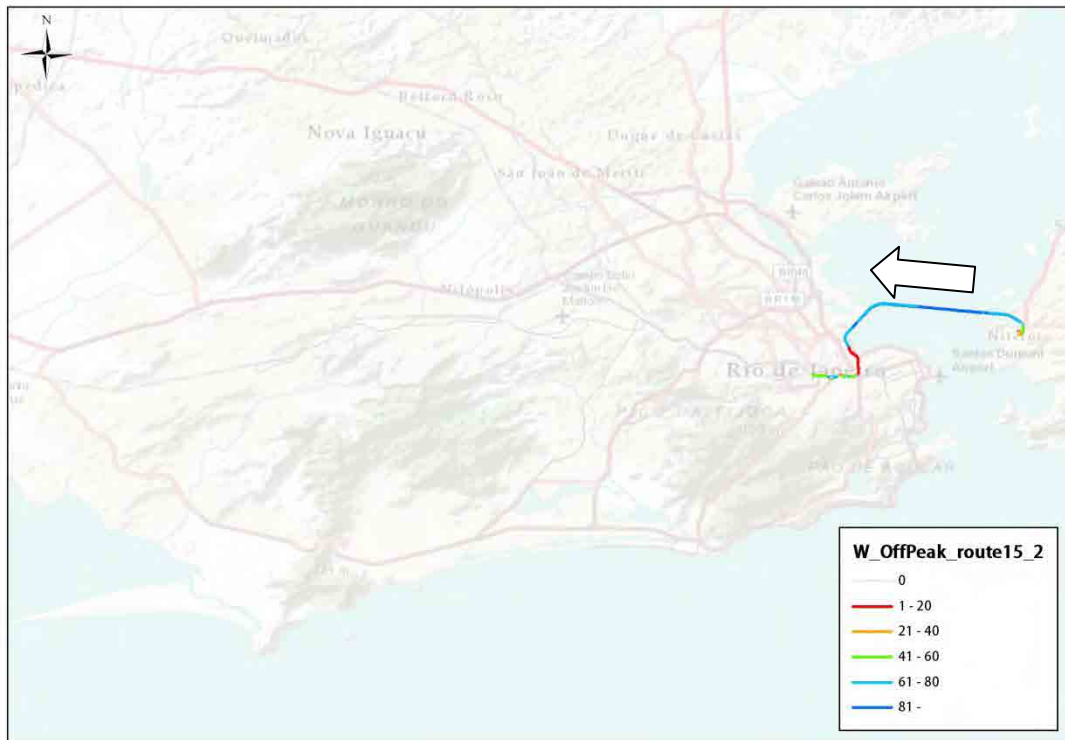


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



[Evening Peak]

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

Direction 1



Direction 2

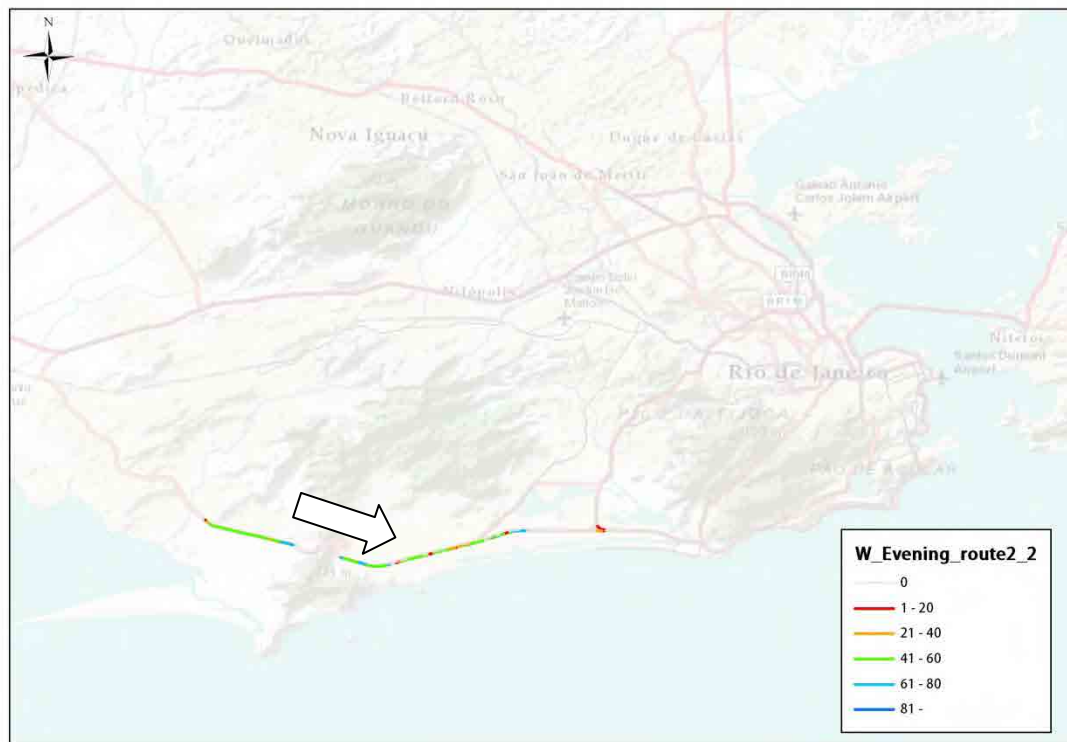


Route	Direction	Start	Goal	Main Road	Distance(km)
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28

Direction 1



Direction 2



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

Direction 1

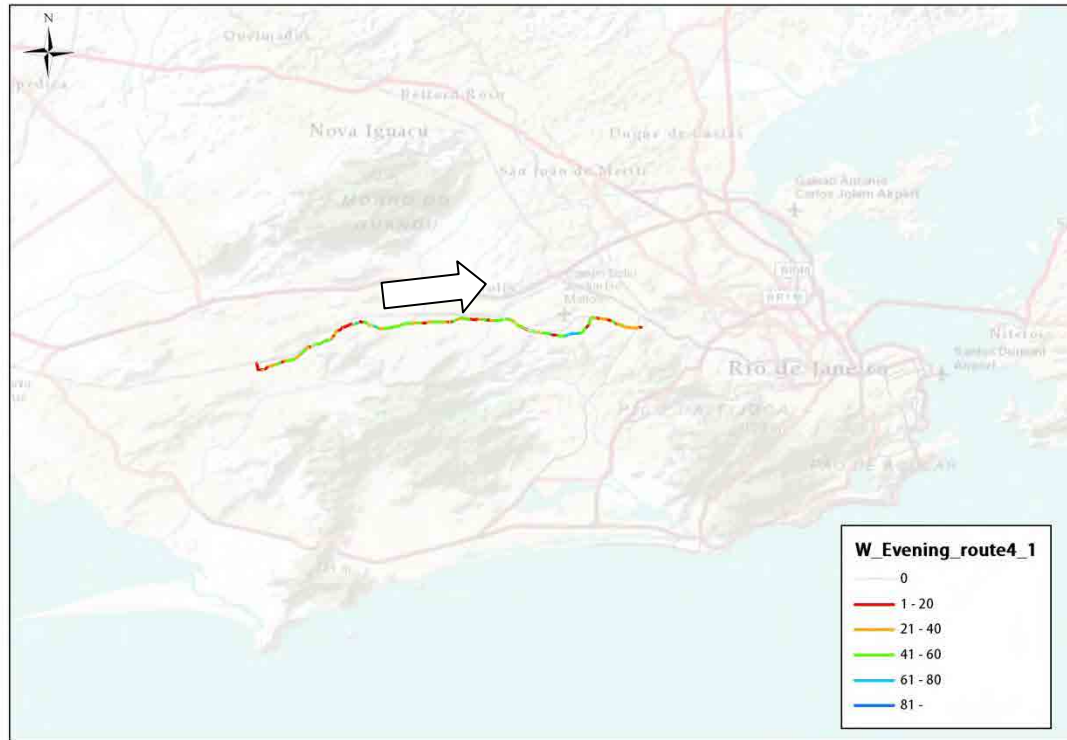


Direction 2

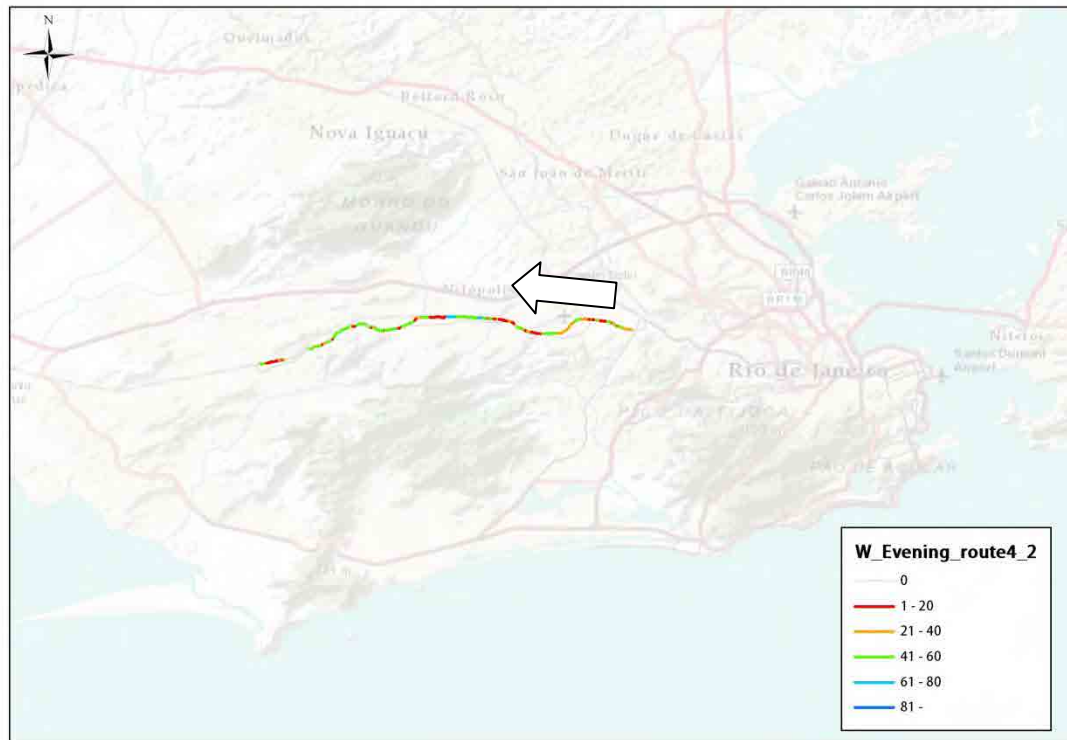


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

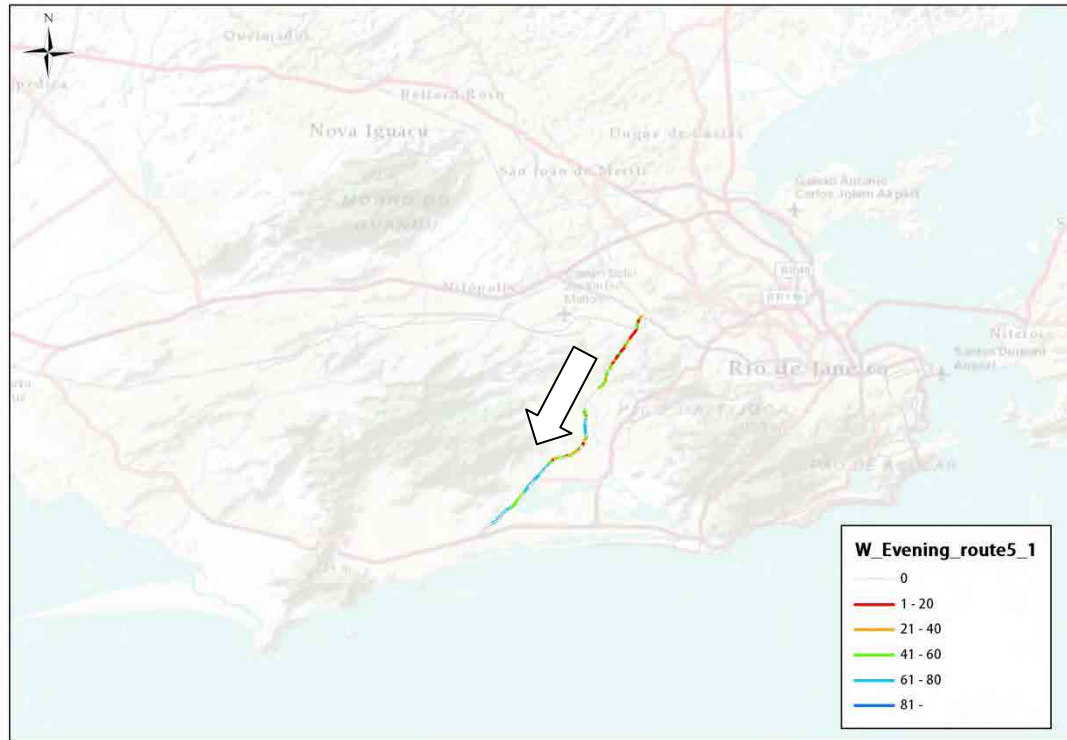


Direction 2

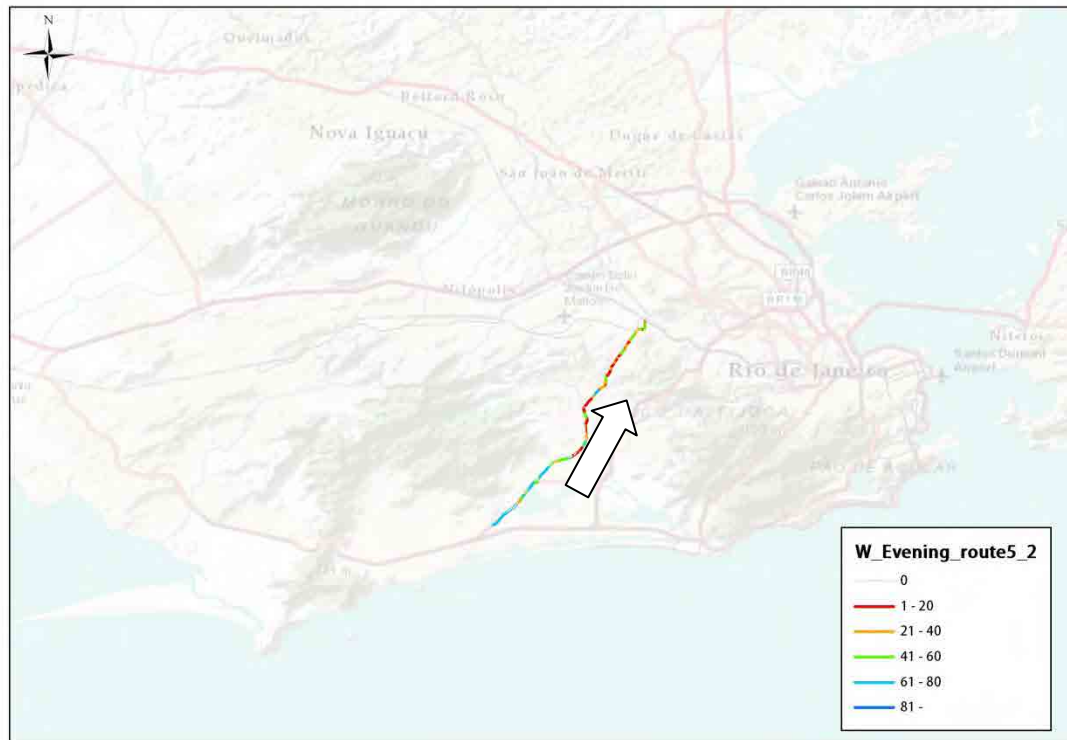


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvador Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvador Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

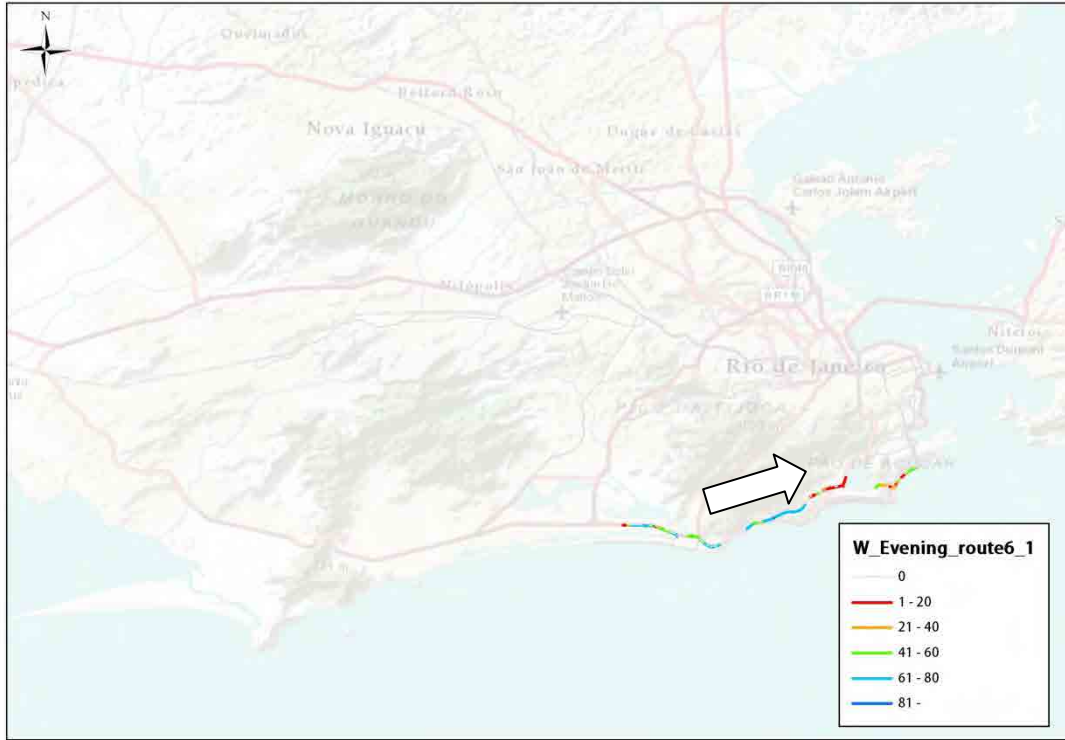


Direction 2

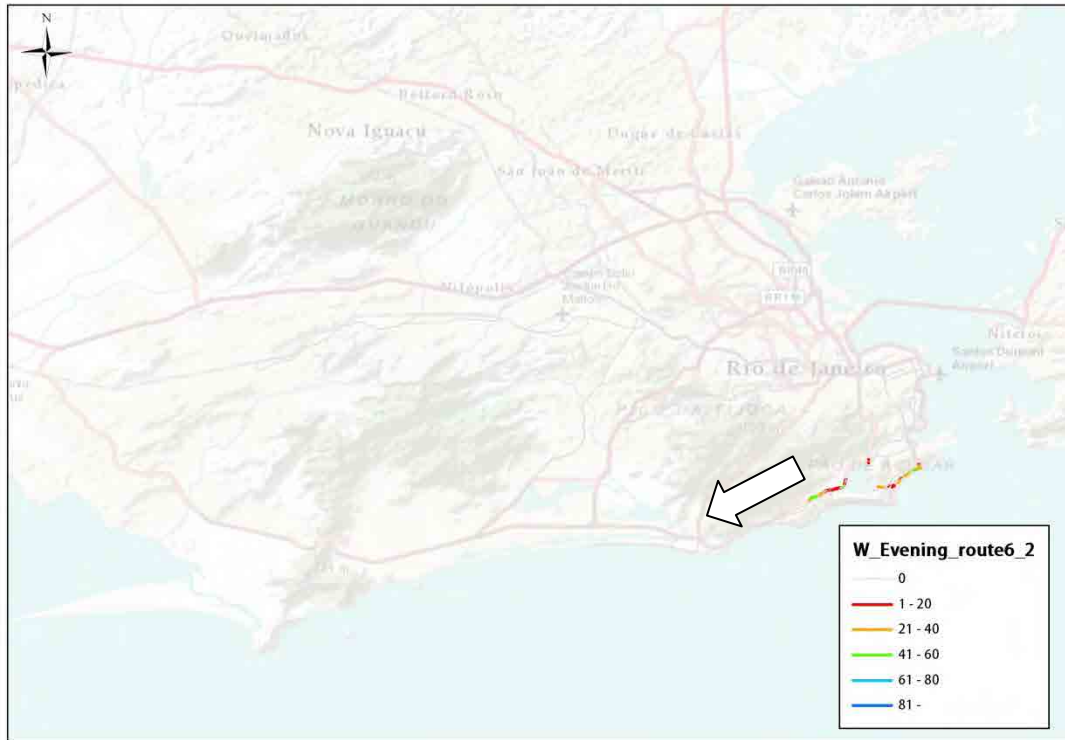


Route	Direction	Start	Goal	Main Road	Distance(km)
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22

Direction 1



Direction 2

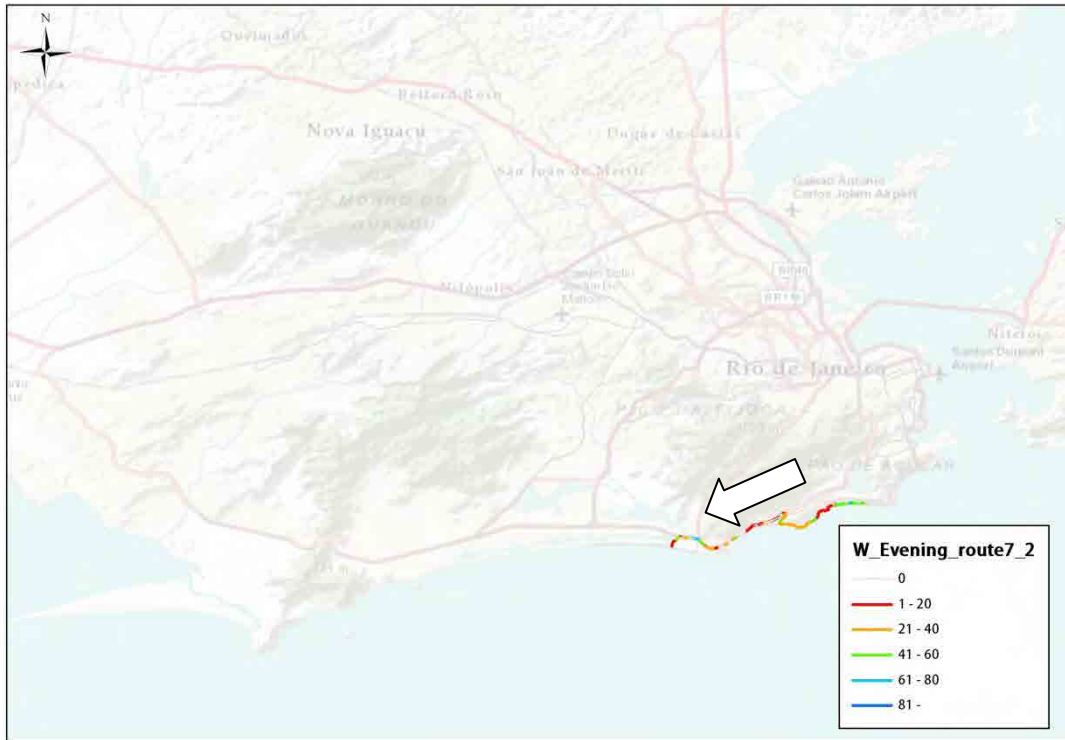


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2



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

Direction 1



Direction 2



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

Direction 1

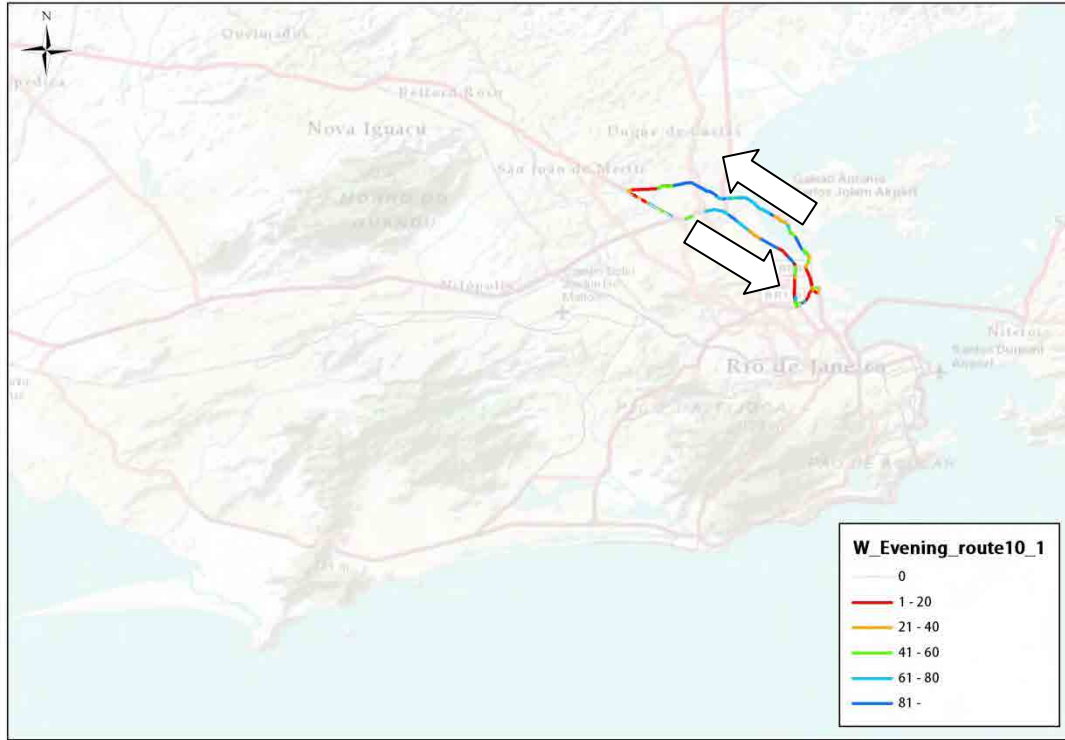


Direction 2

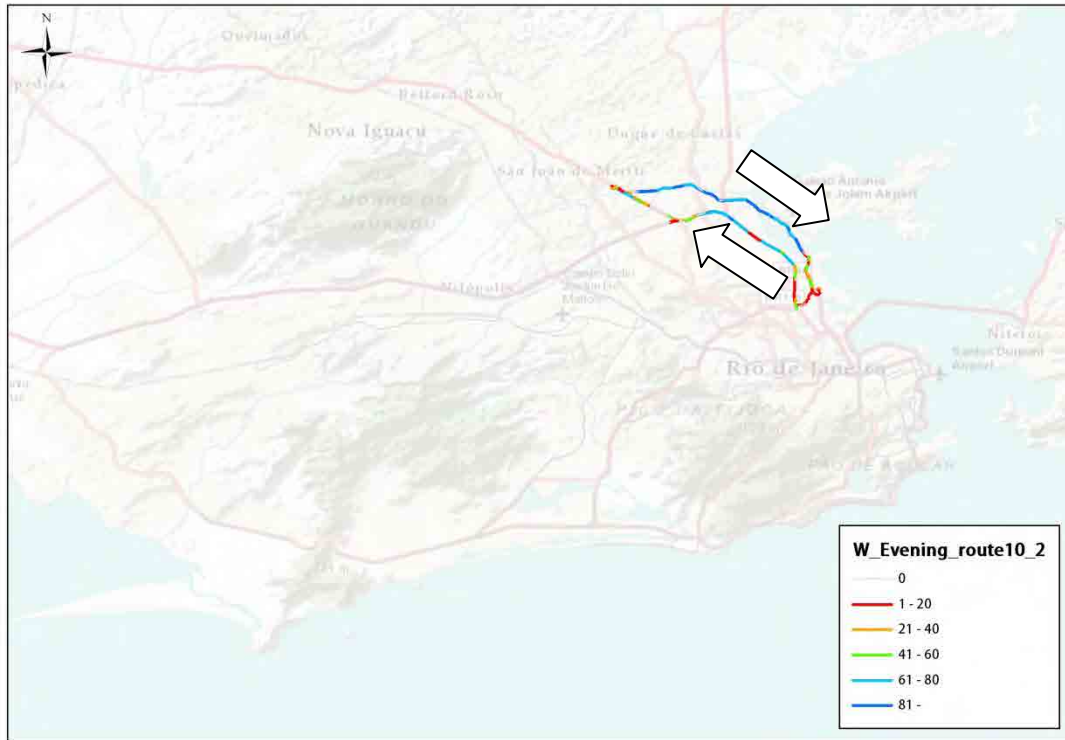


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

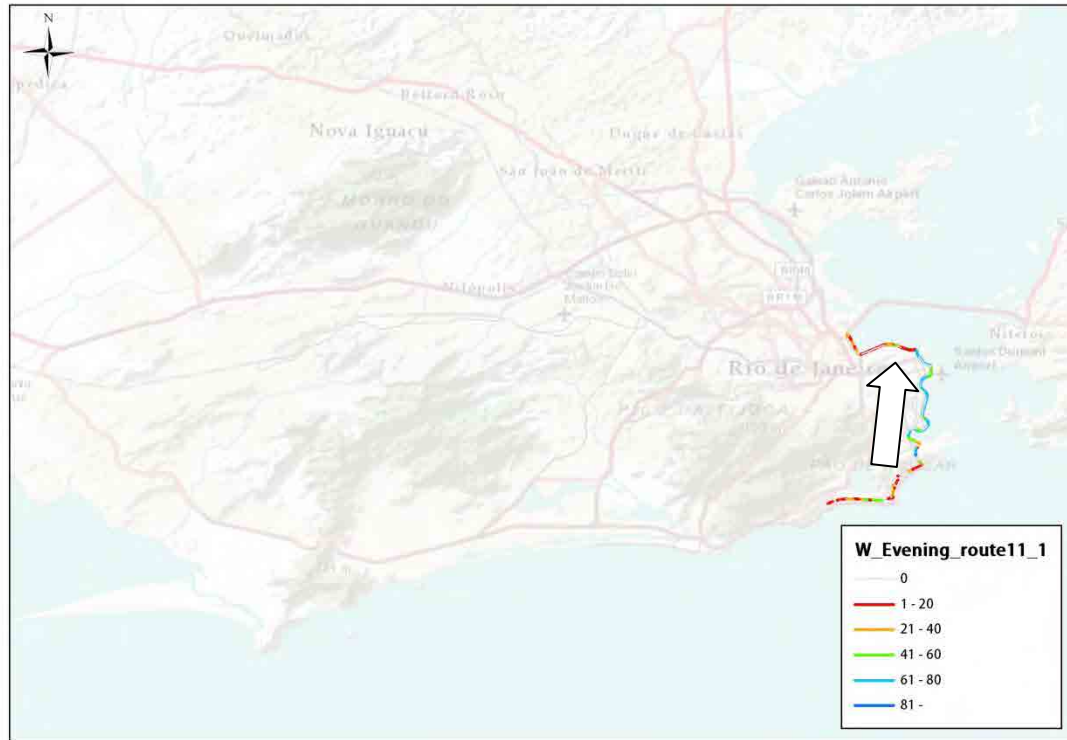


Direction 2



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

Direction 1



Direction 2



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

Direction 1



Direction 2

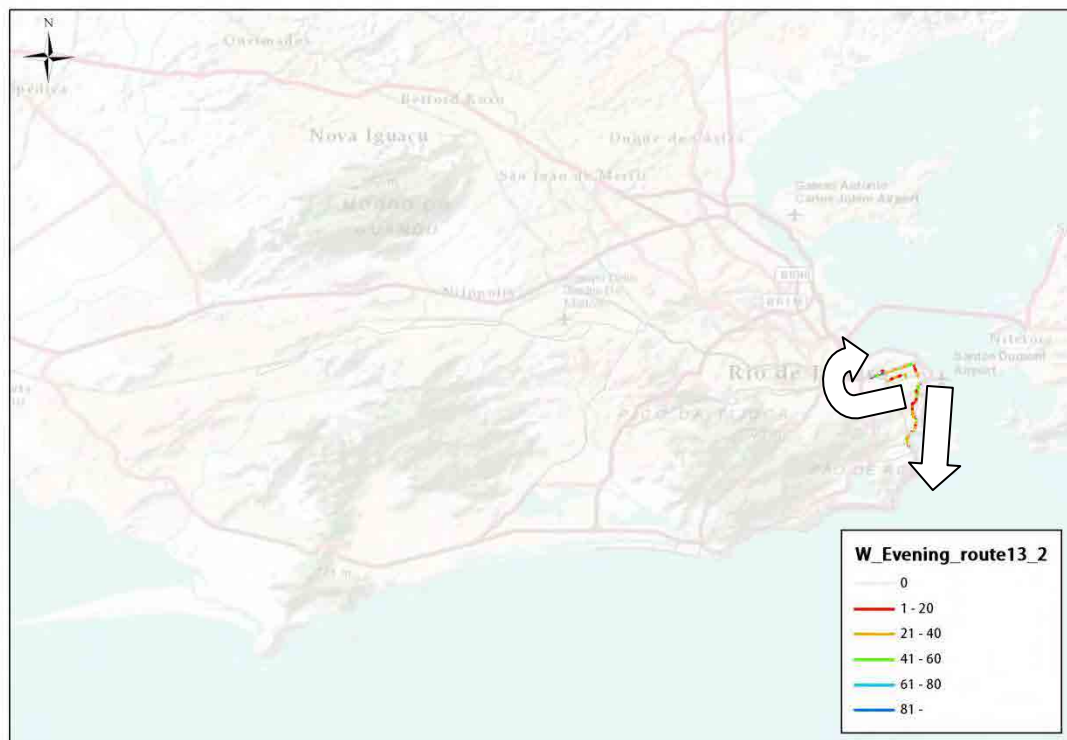


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do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

Direction 1



Direction 2

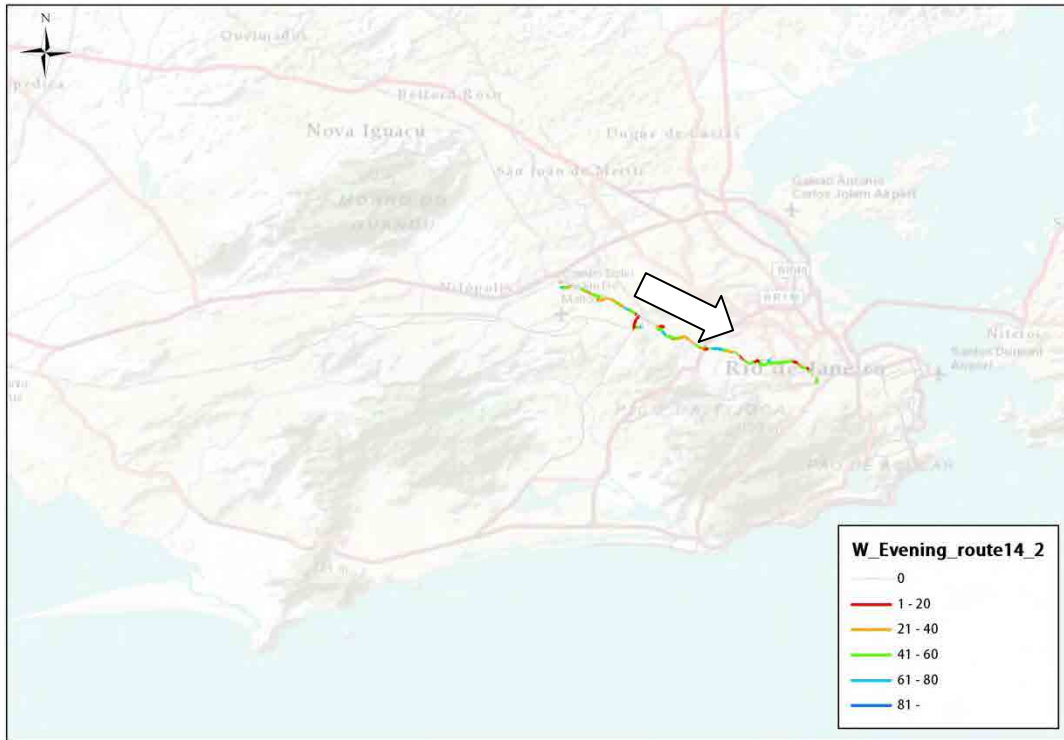


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1



Direction 2

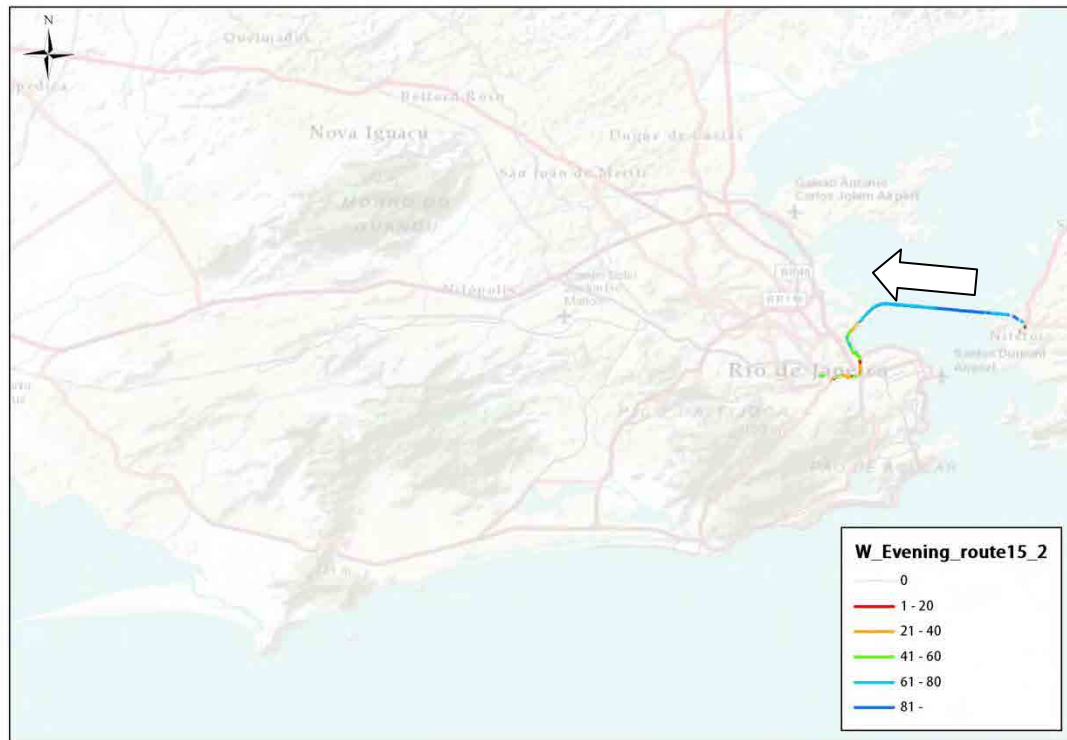


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



3) Travel Time Data (Holiday)

[Morning Peak]

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

Direction 1

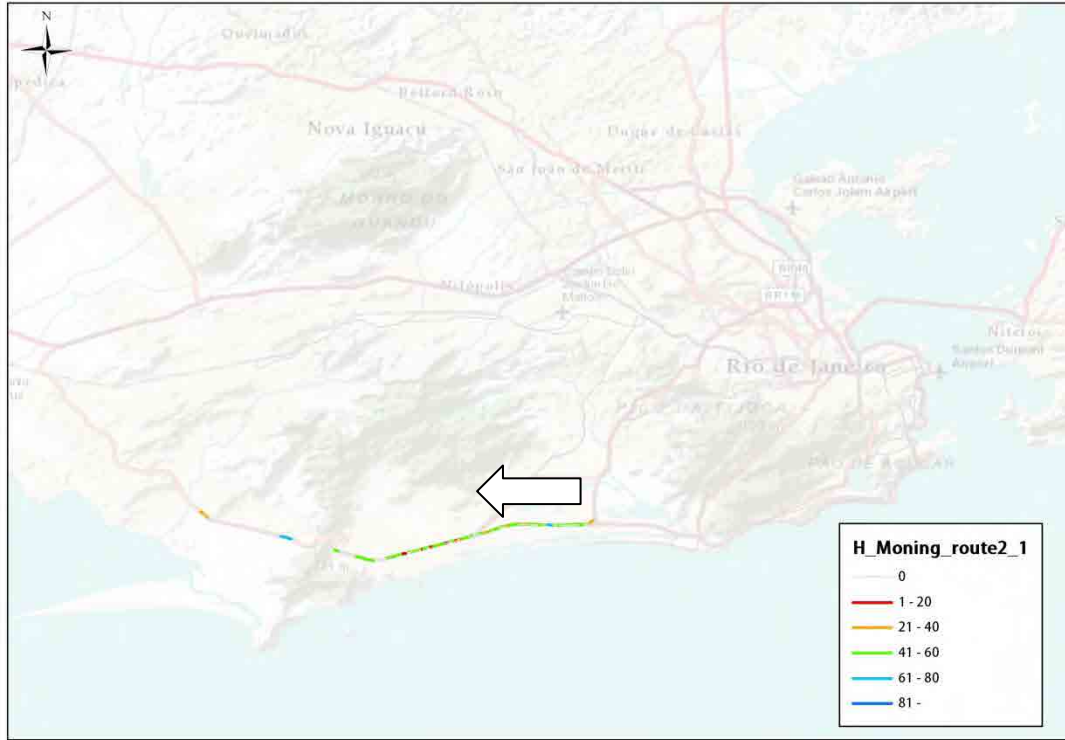


Direction 2



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

Direction 1



Direction 2



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

Direction 1

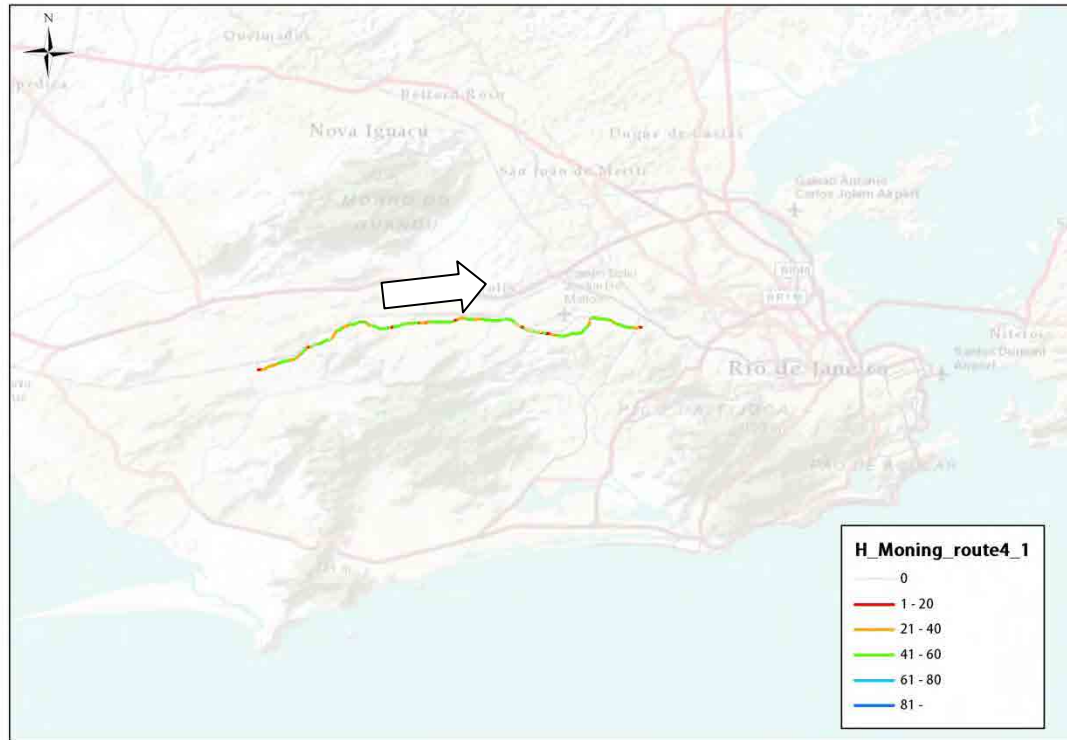


Direction 2

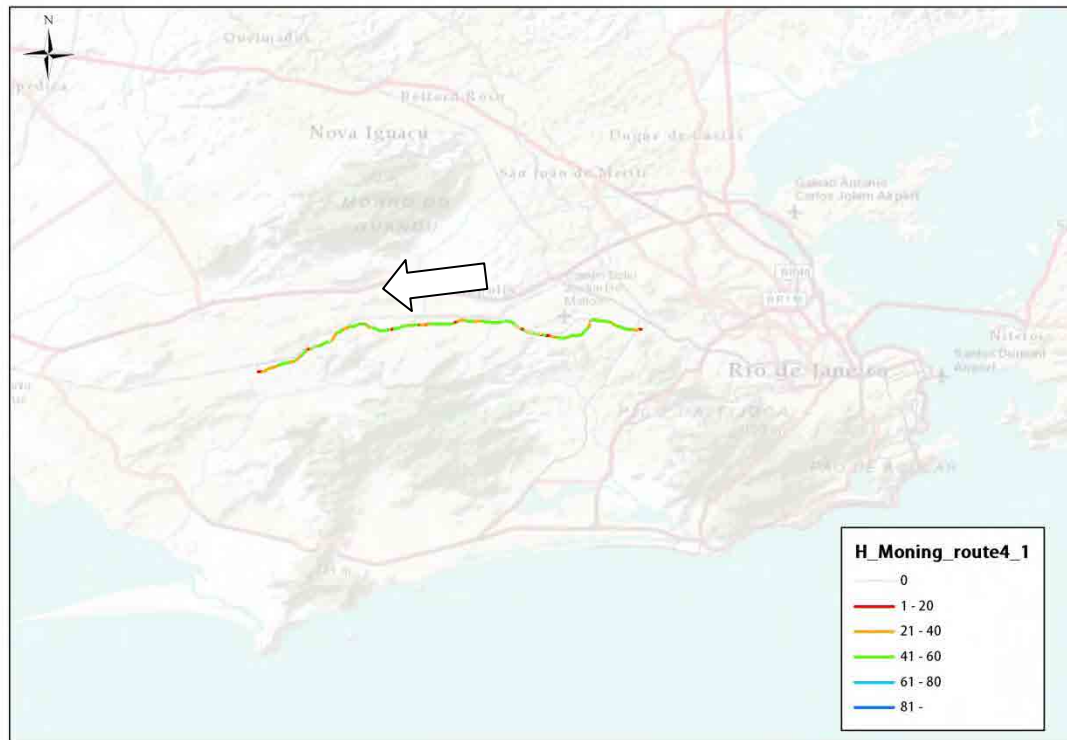


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1



Direction 2

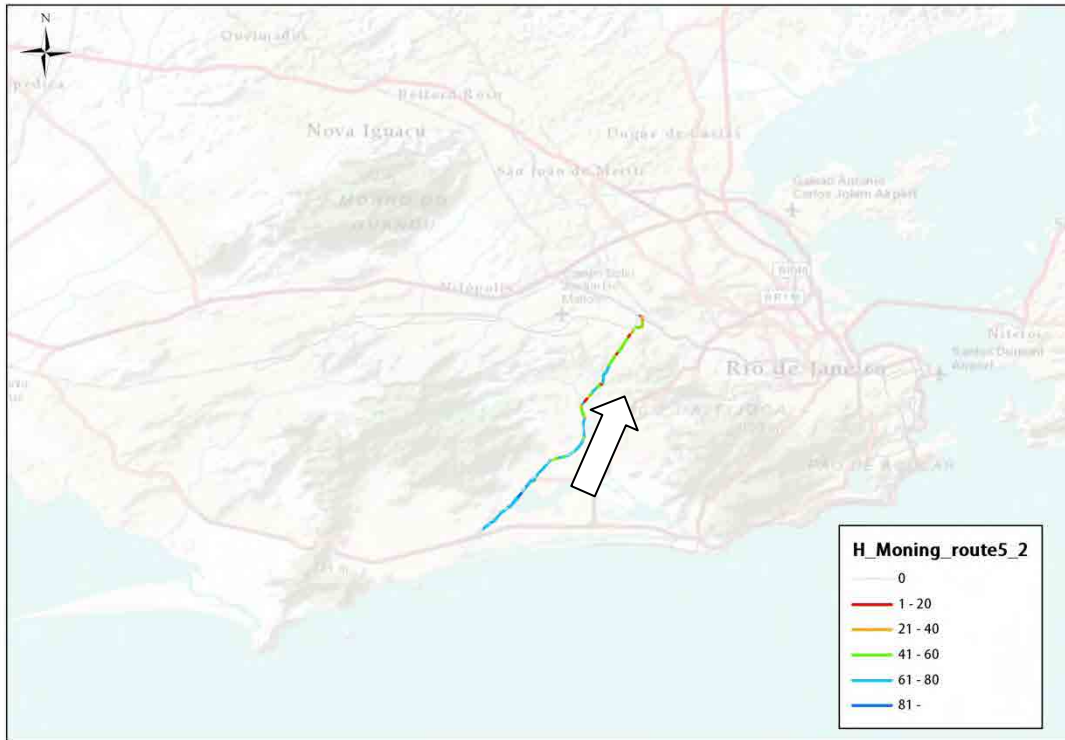


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

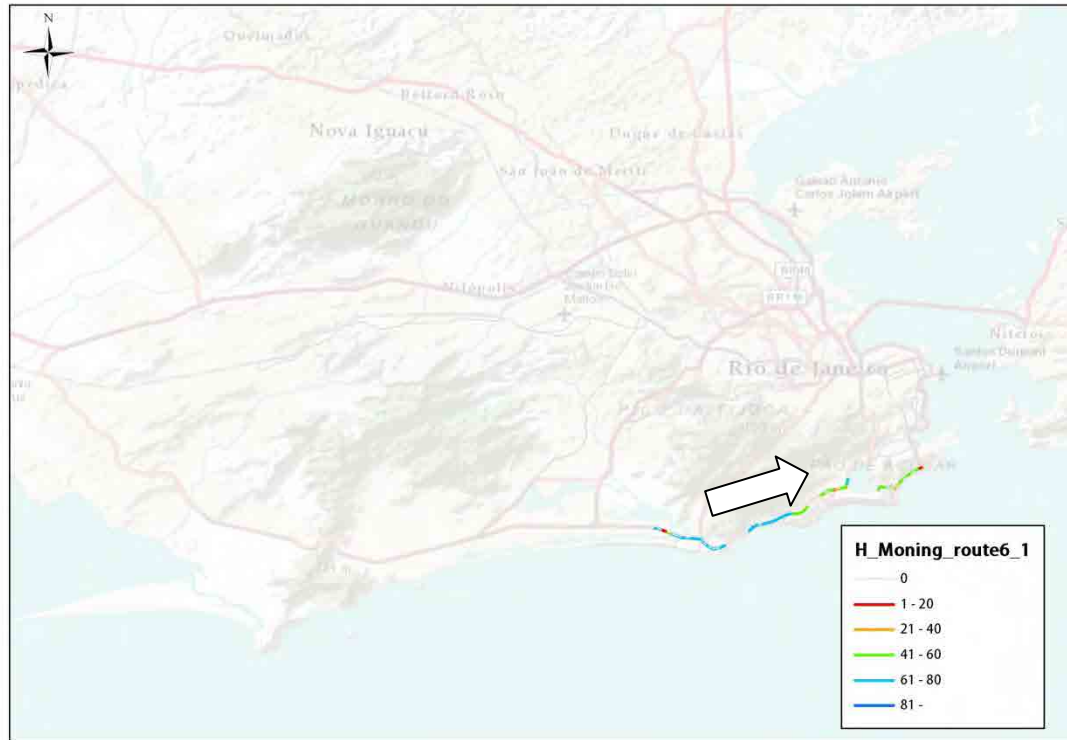


Direction 2



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

Direction 1

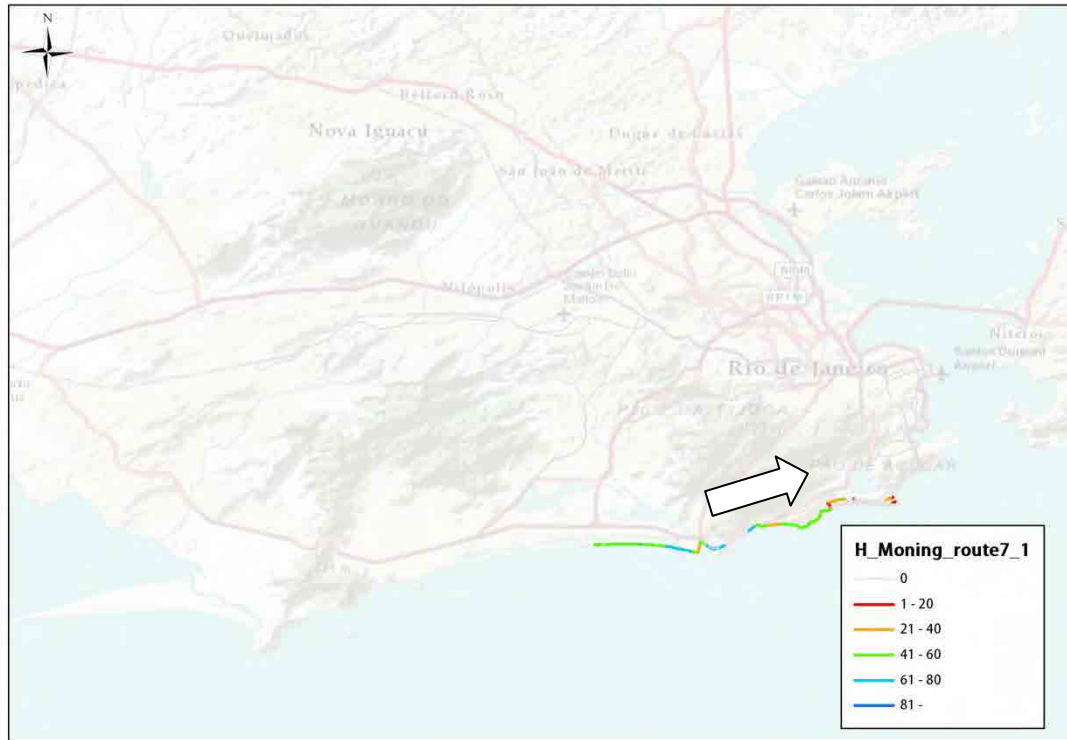


Direction 2

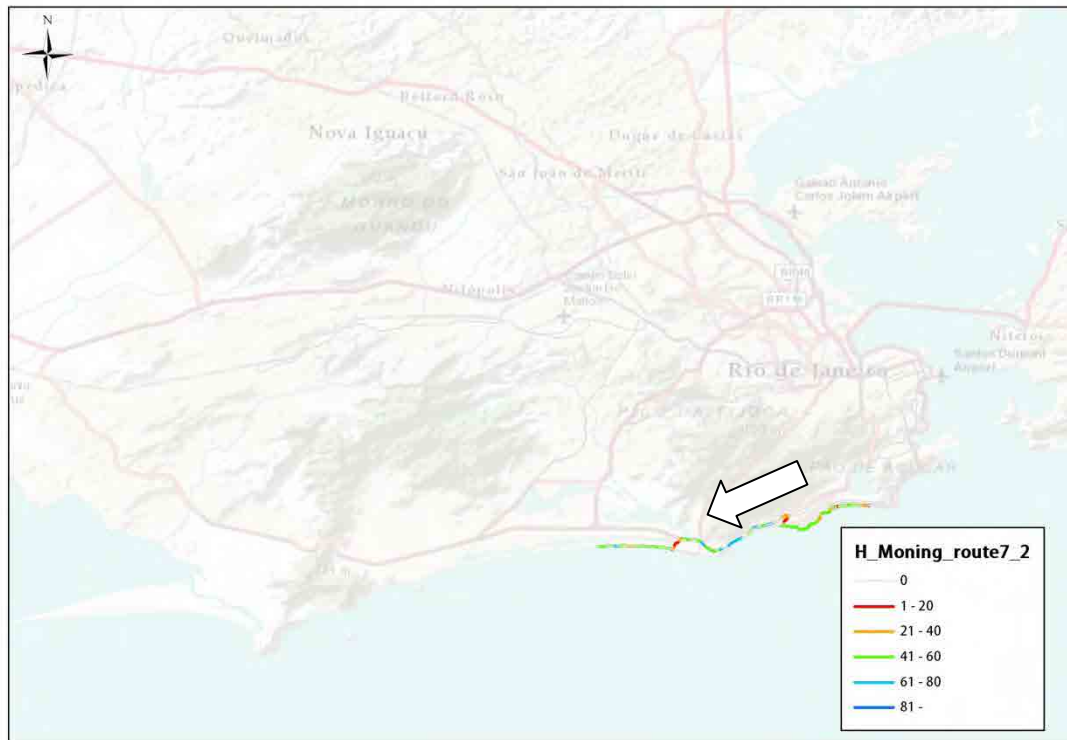


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1

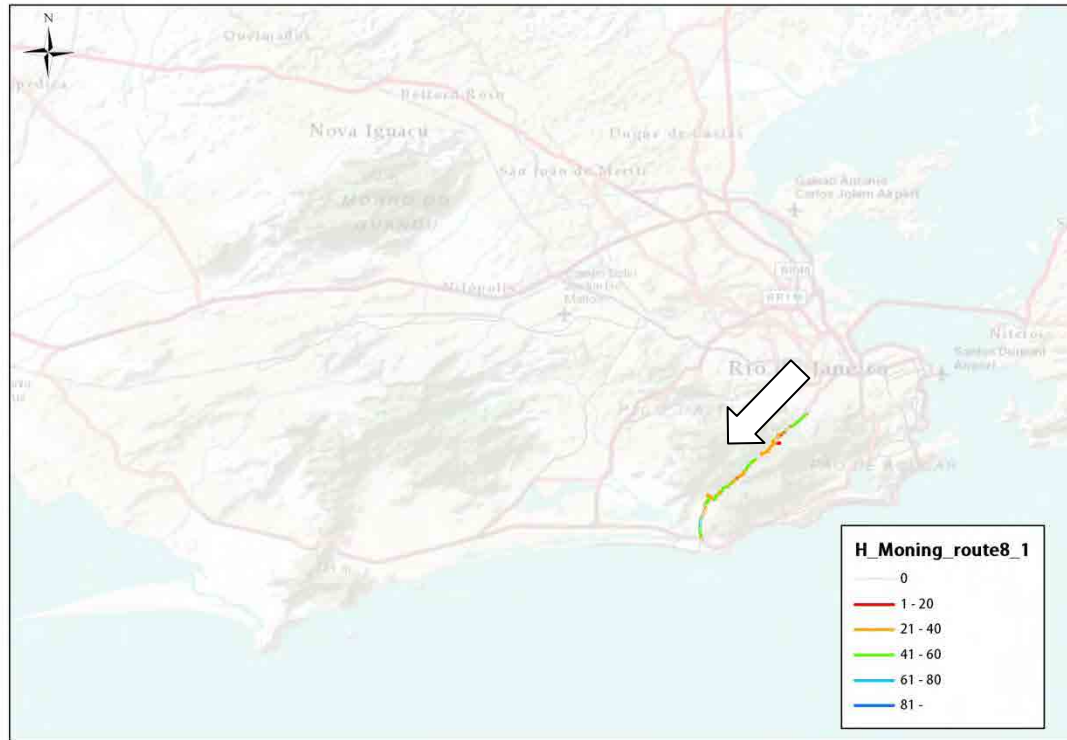


Direction 2

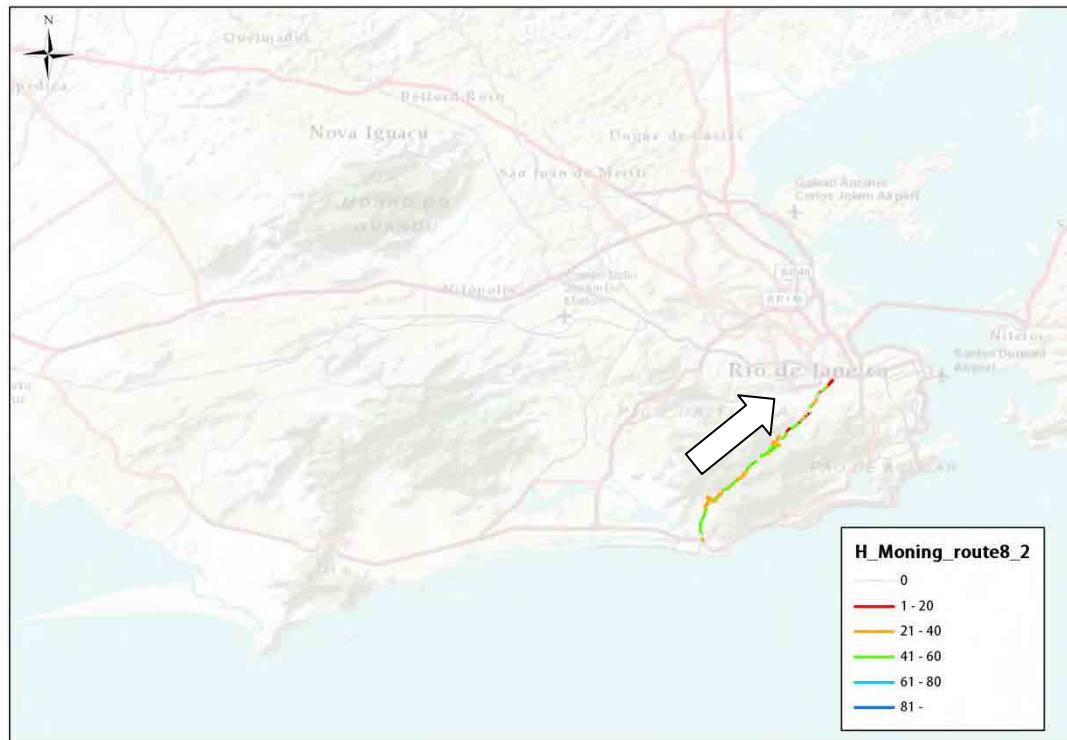


Route	Direction	Start	Goal	Main Road	Distance(km)
8	8-1	Around Maracana Stadium	Pte. Nova / Av. Amando Lombardi	Estr. Velha Tijuca	17
	8-2	Pte. Velha / Av. Amando Lombardi	Around Maracana Stadium		17

Direction 1



Direction 2



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

Direction 1

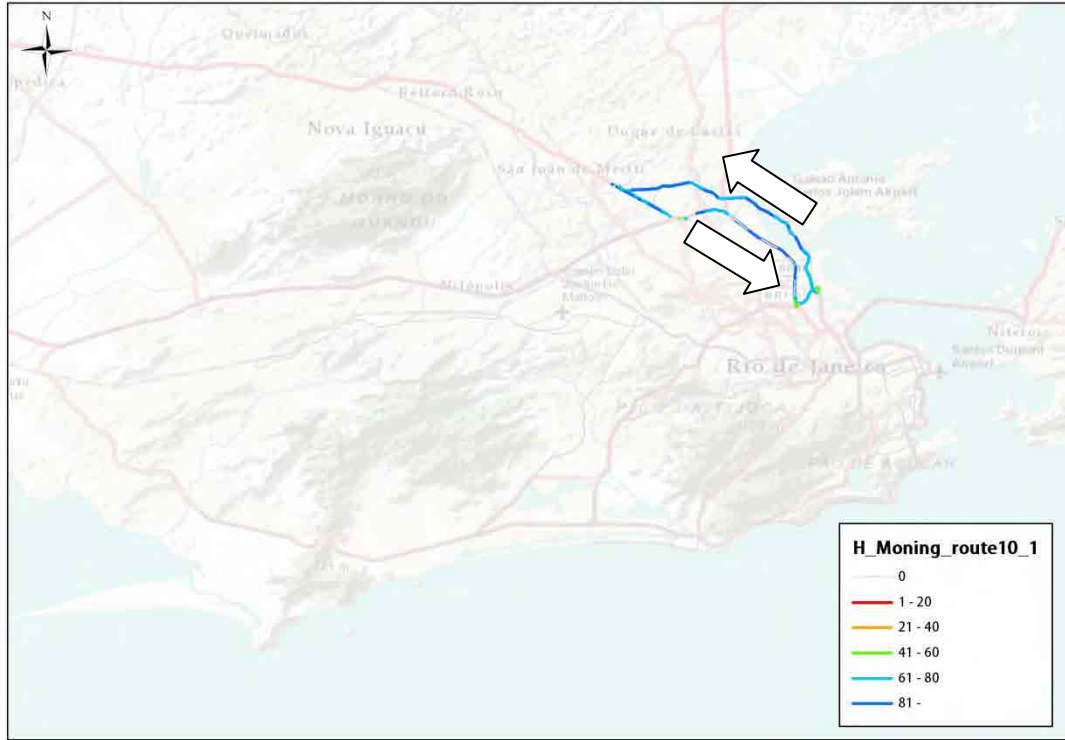


Direction 2

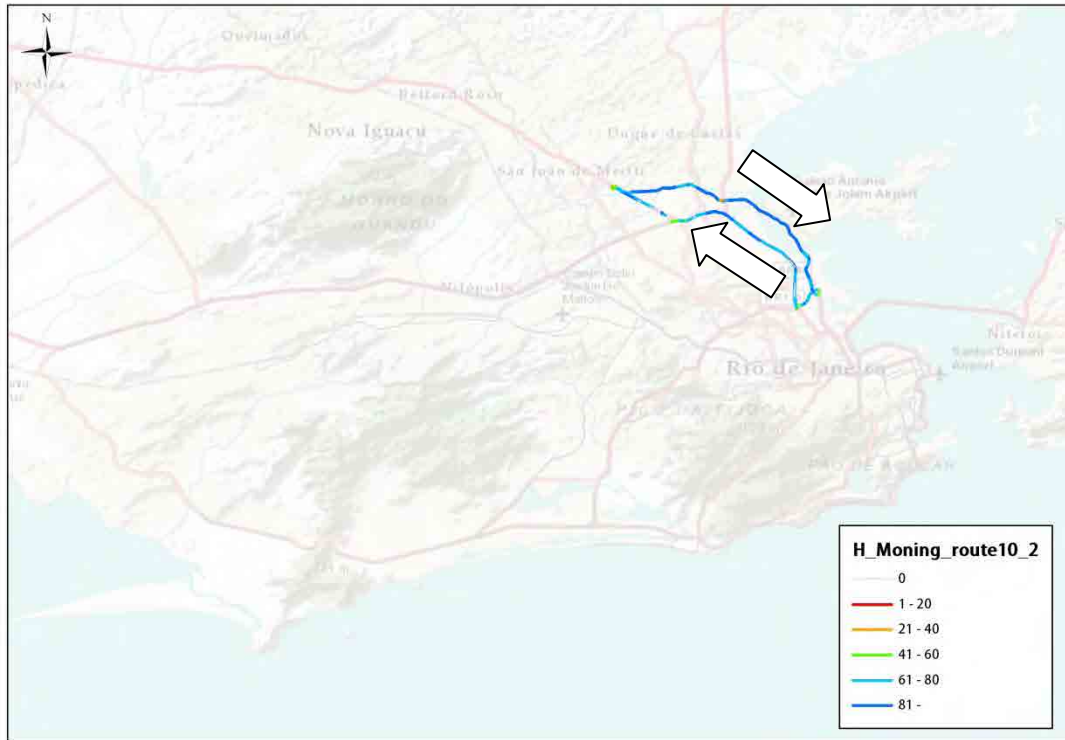


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

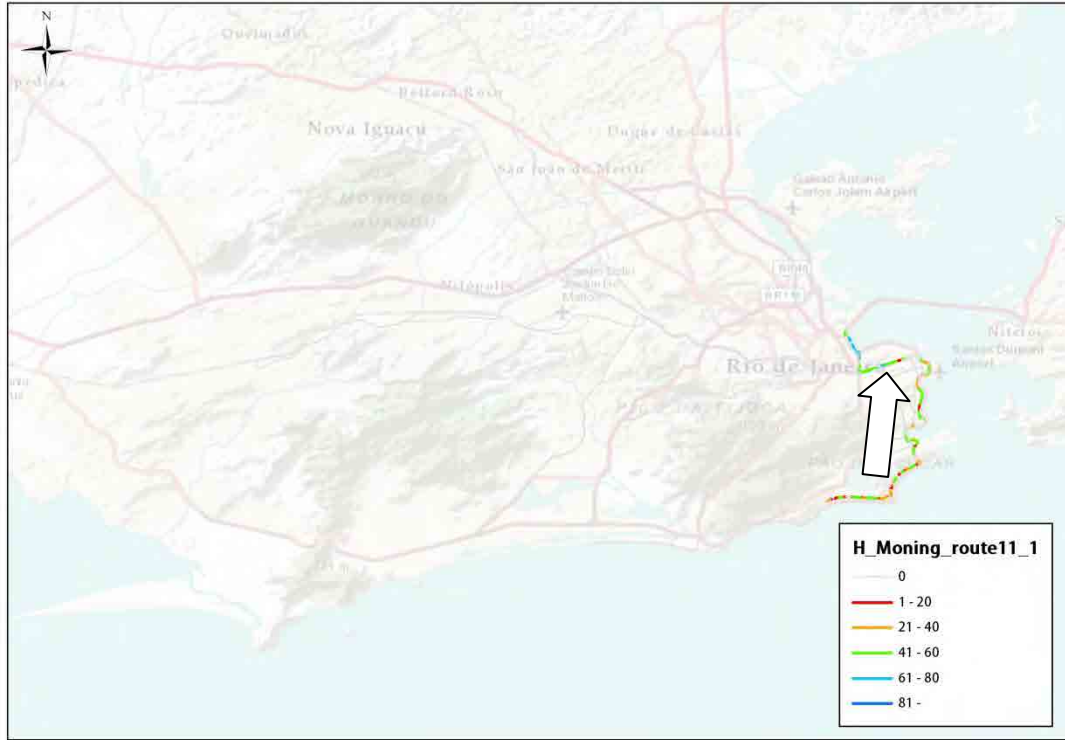


Direction 2



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

Direction 1



Direction 2

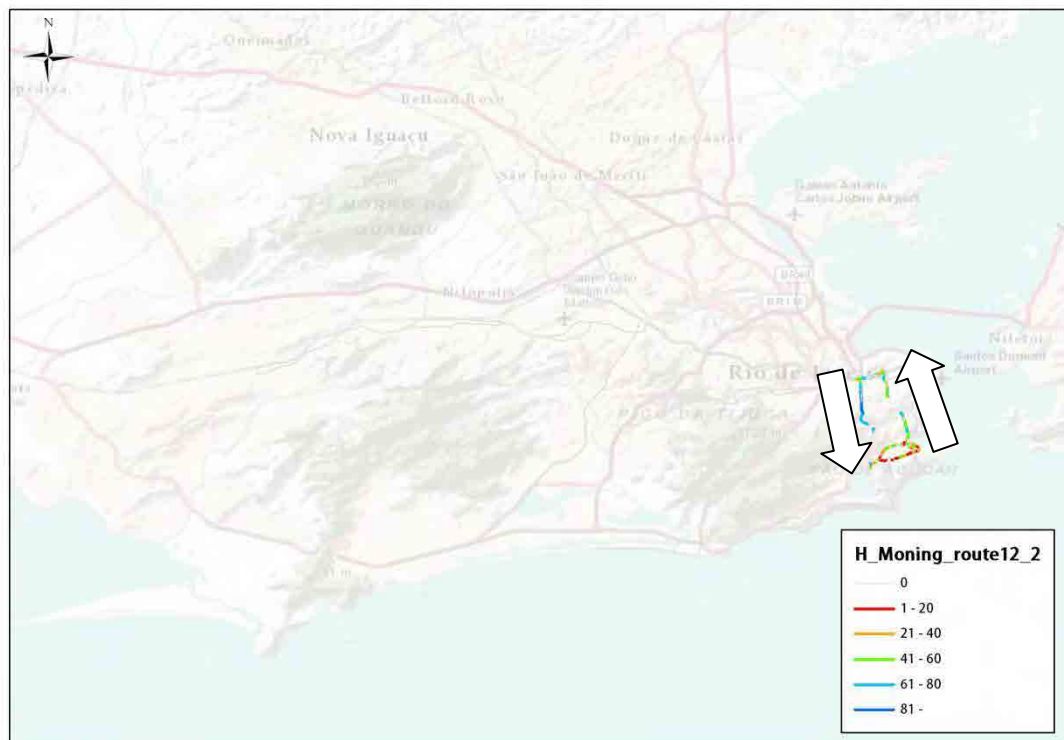


Route	Direction	Start	Goal	Main Road	Distance(km)
12	12-1	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Vevd. Eng. Freyssinet, Vevd. Eng. Noronha	15
	12-2	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio,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

Direction 1

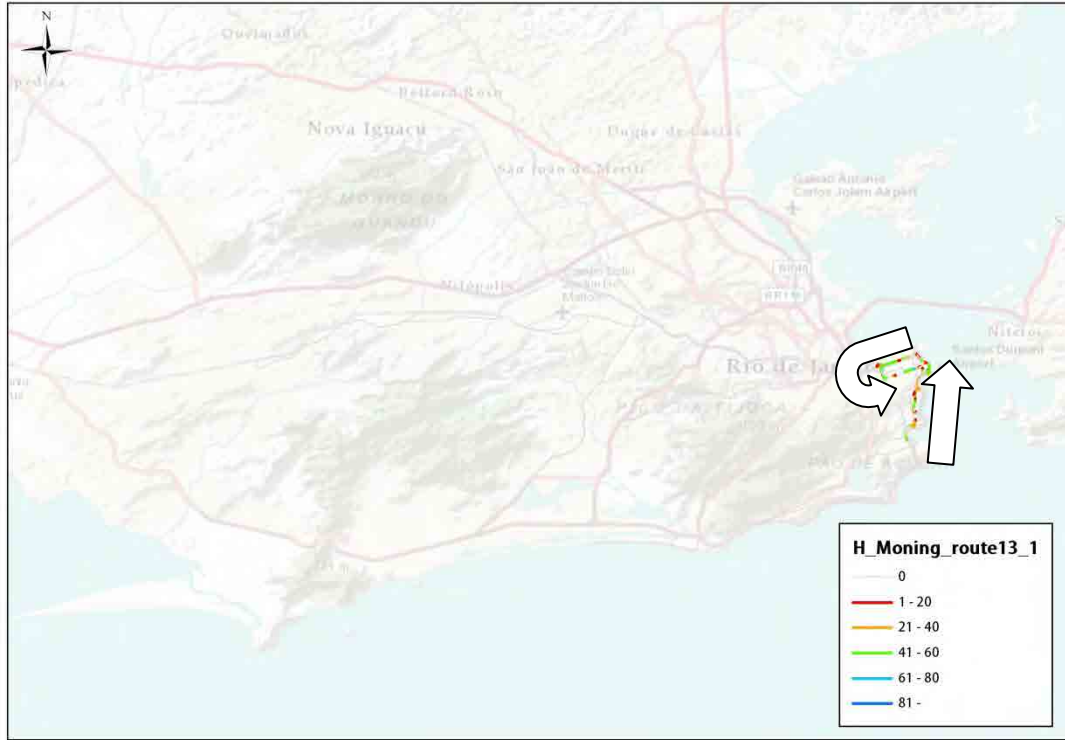


Direction 2

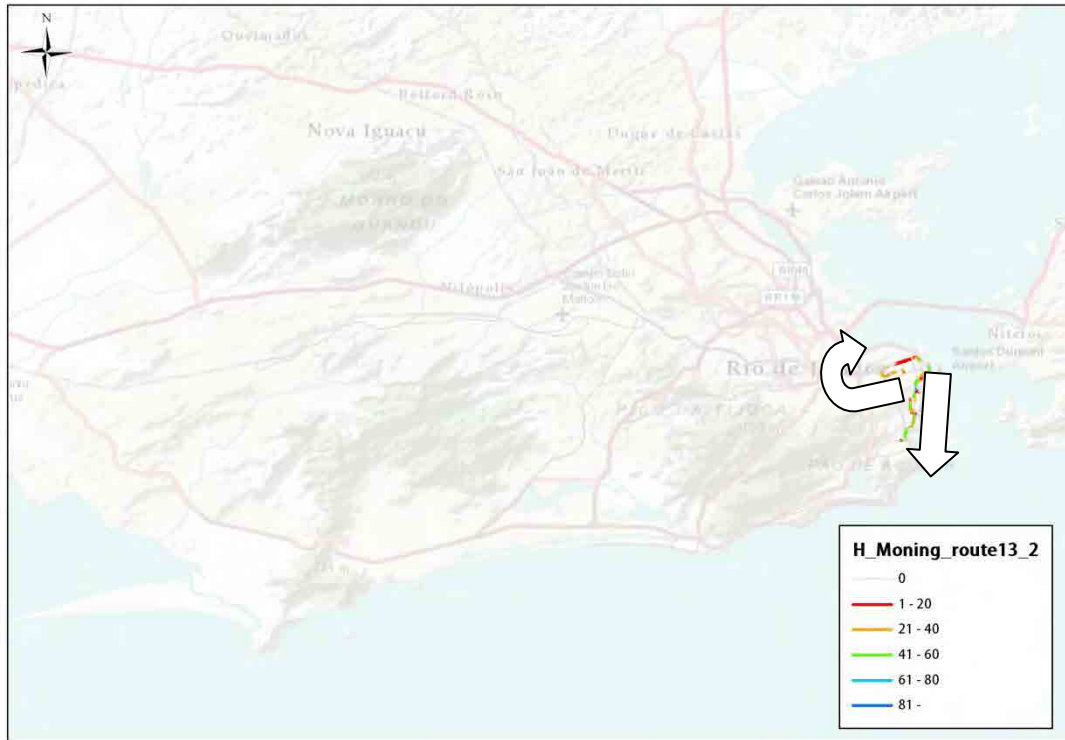


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	Chille,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

Direction 1

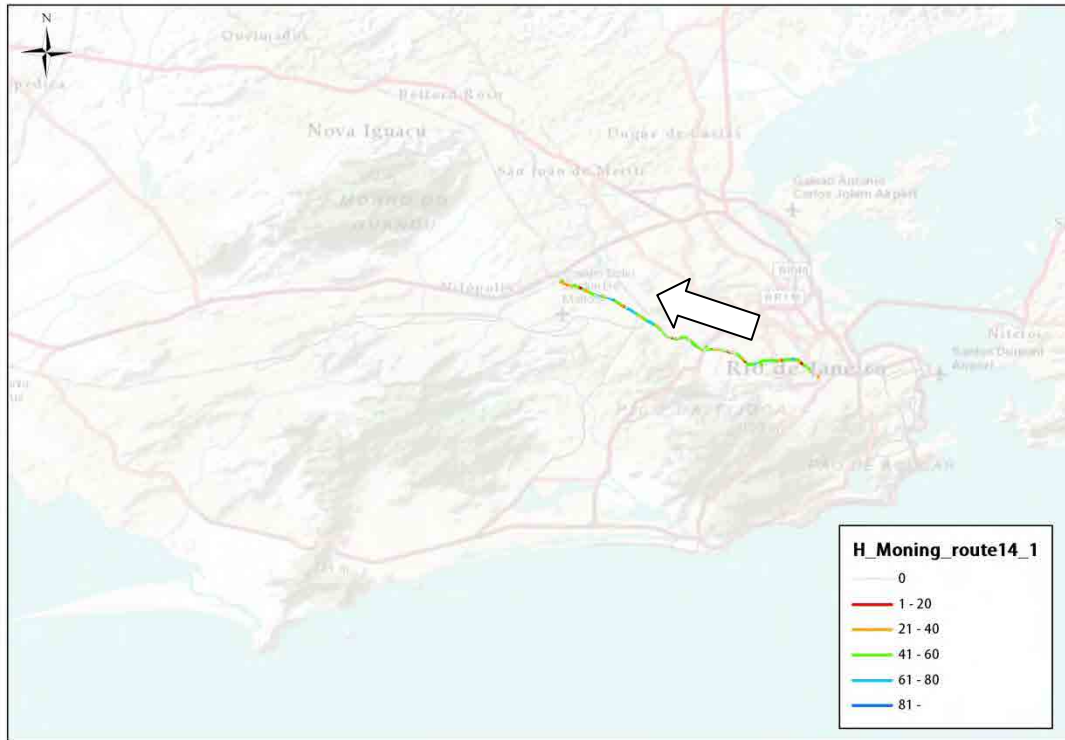


Direction 2

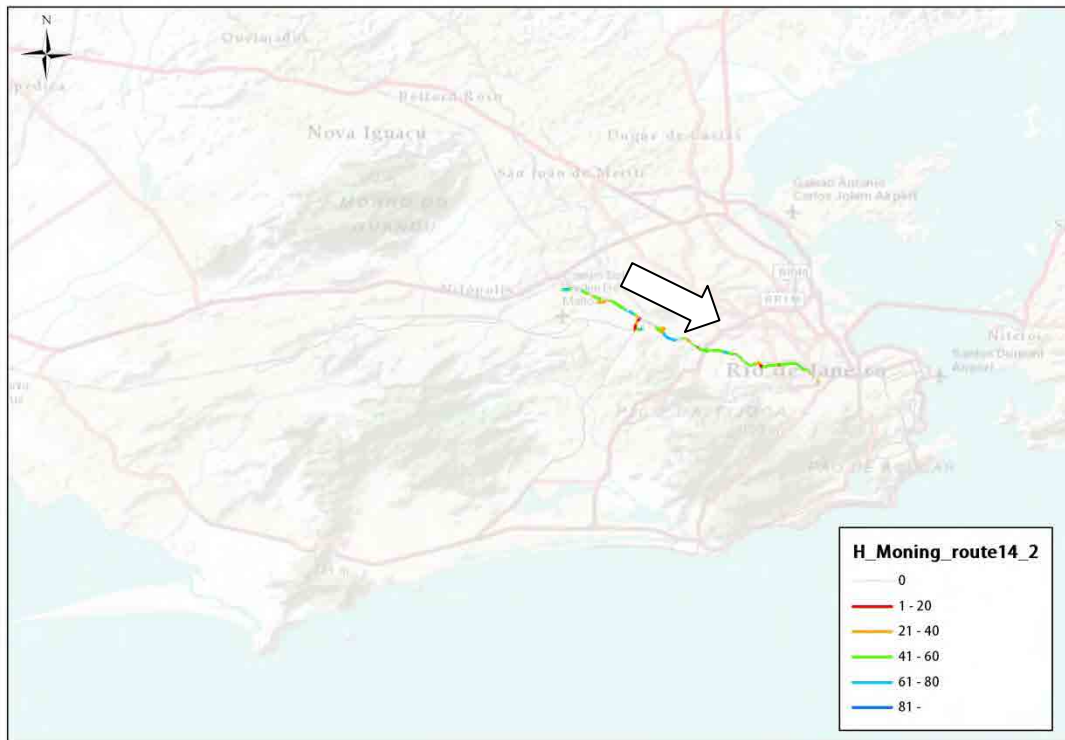


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium	R. Joao Vicente, Av. Amaro Cavalcanti	21

Direction 1

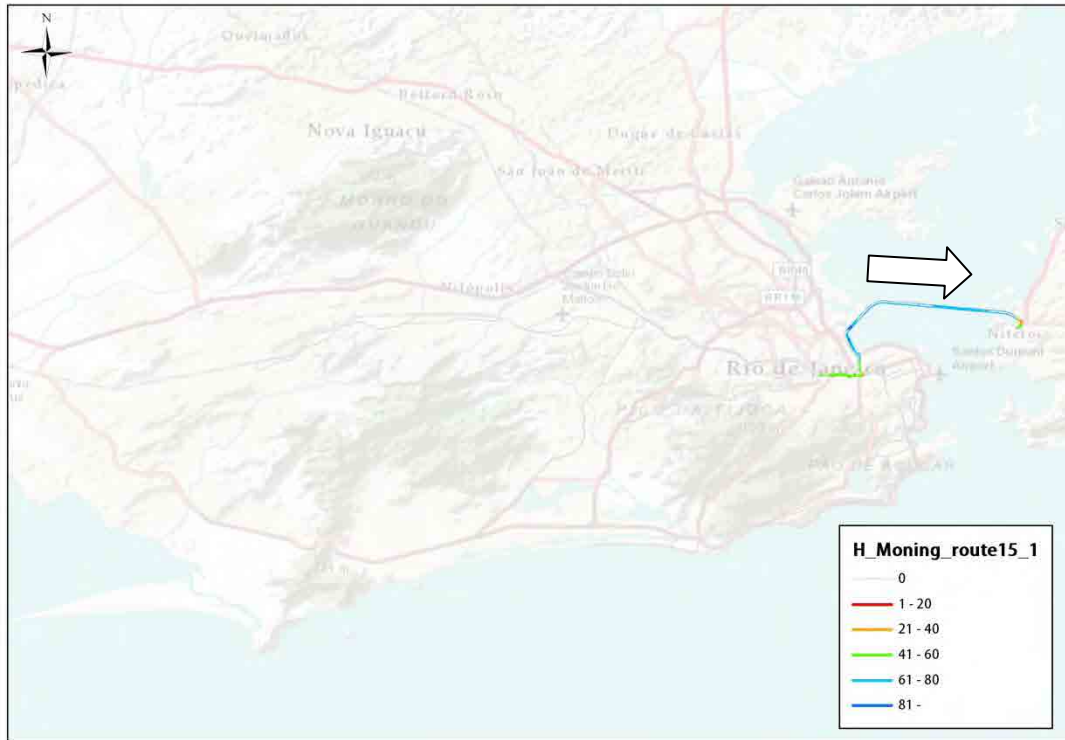


Direction 2

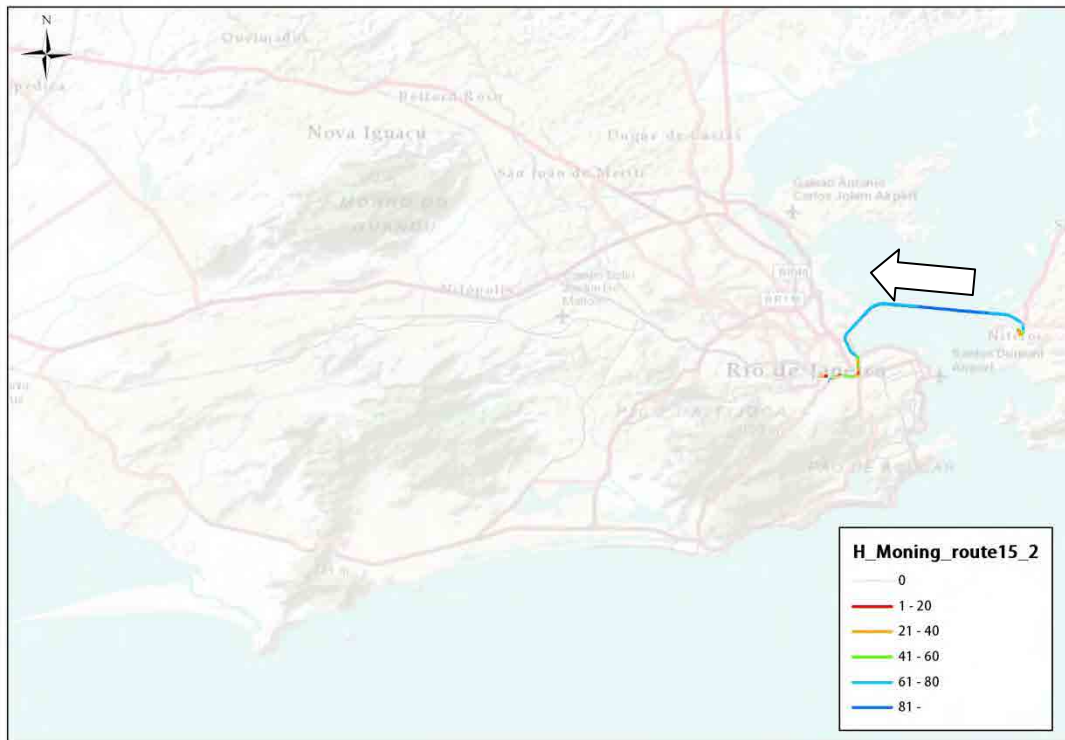


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



[Off Peak]

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

Direction 1

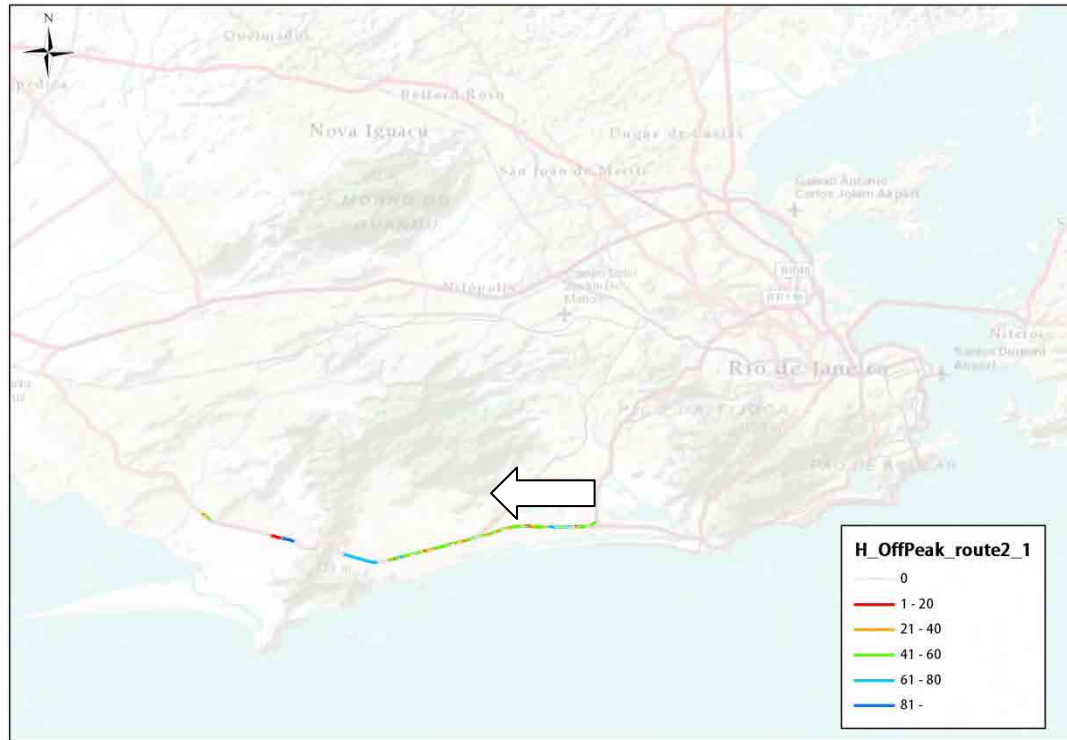


Direction 2

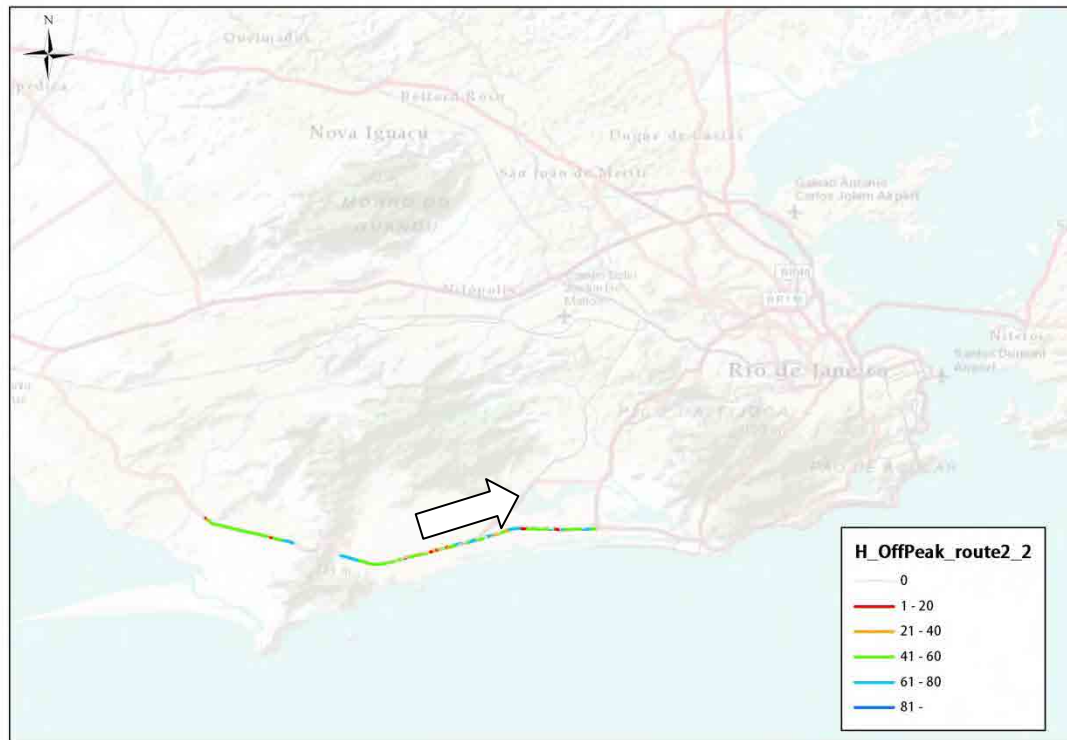


Route	Direction	Start	Goal	Main Road	Distance(km)
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28

Direction 1

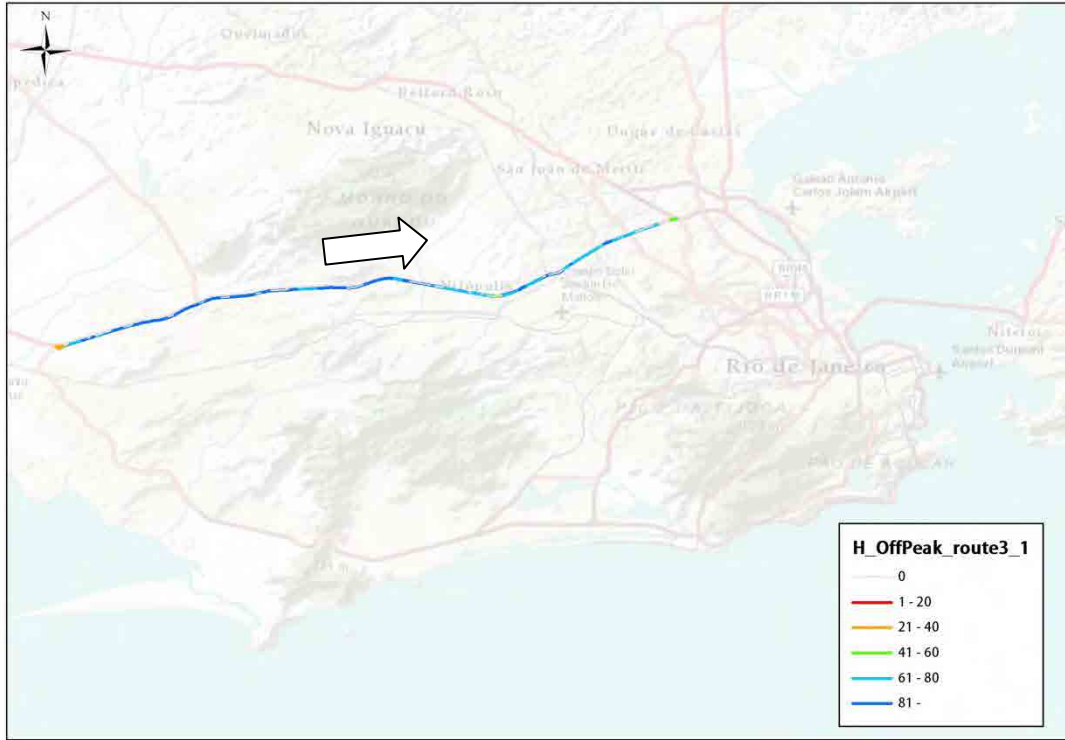


Direction 2



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

Direction 1

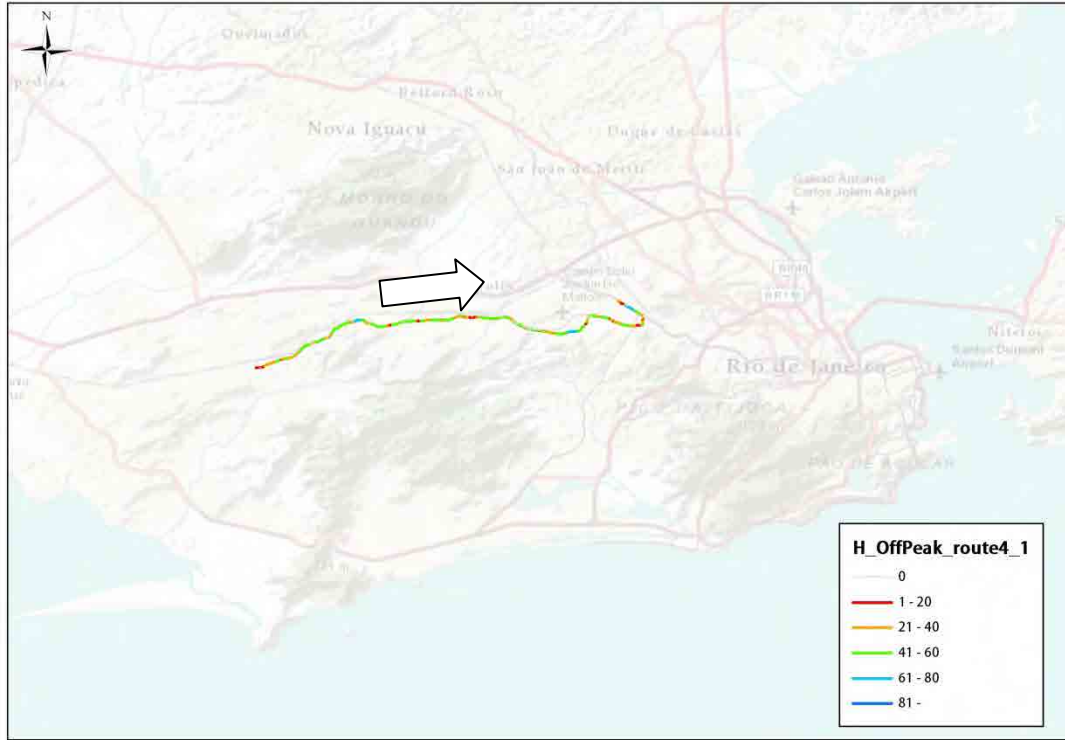


Direction 2

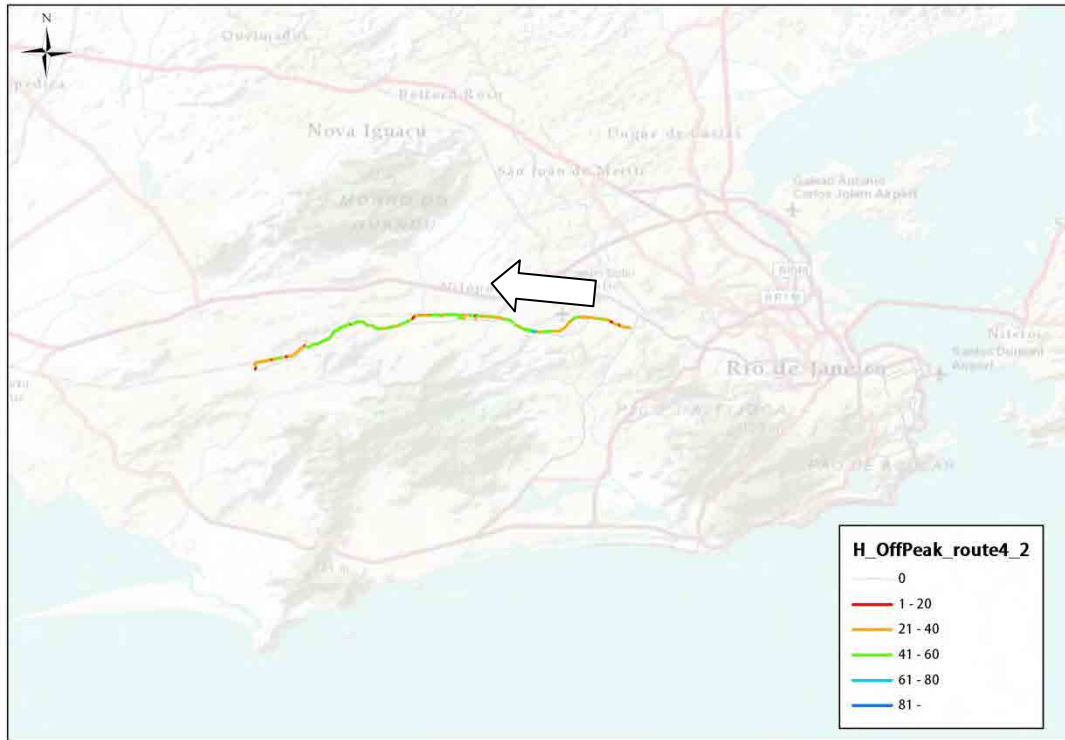


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

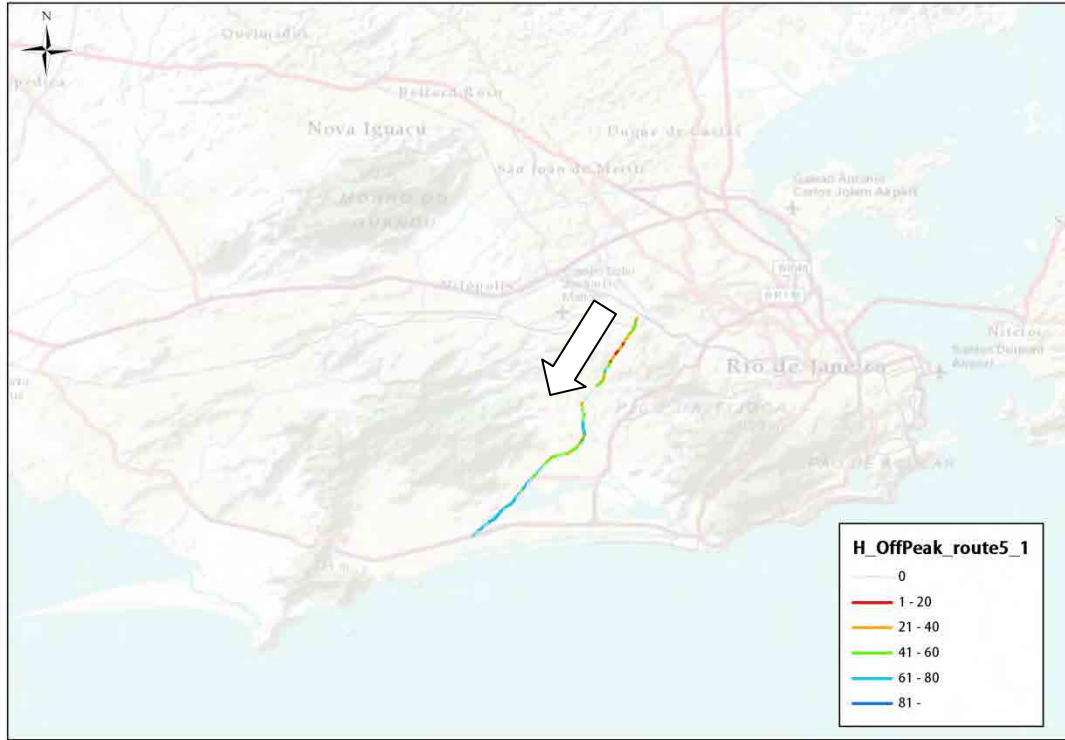


Direction 2

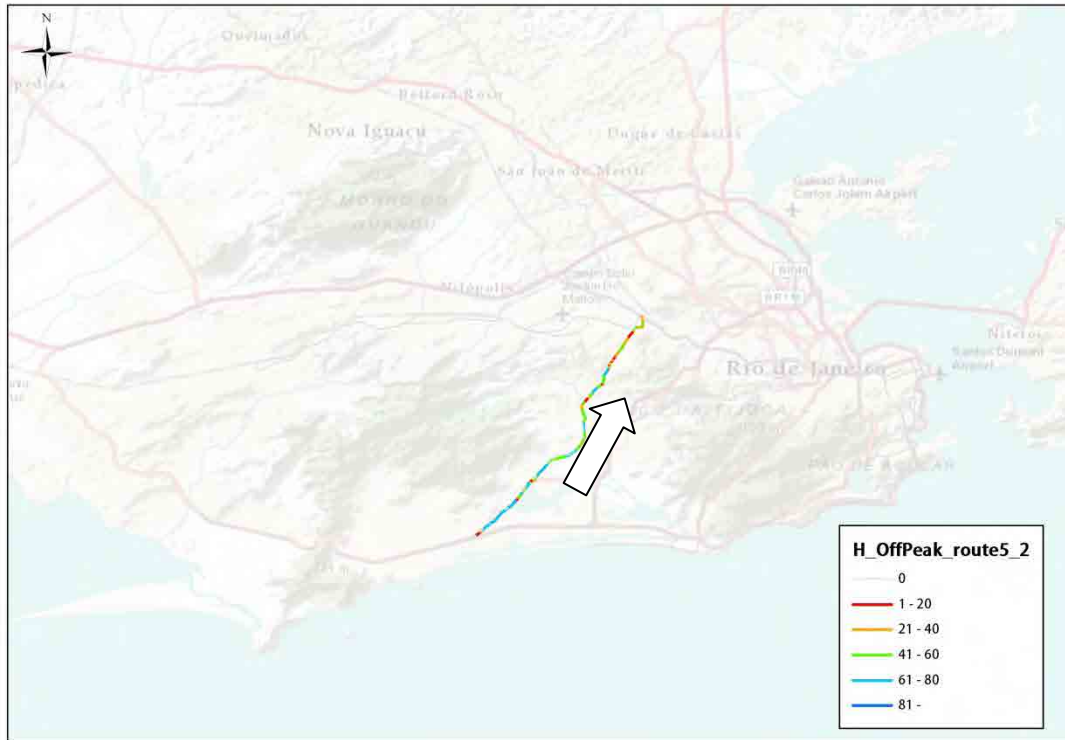


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

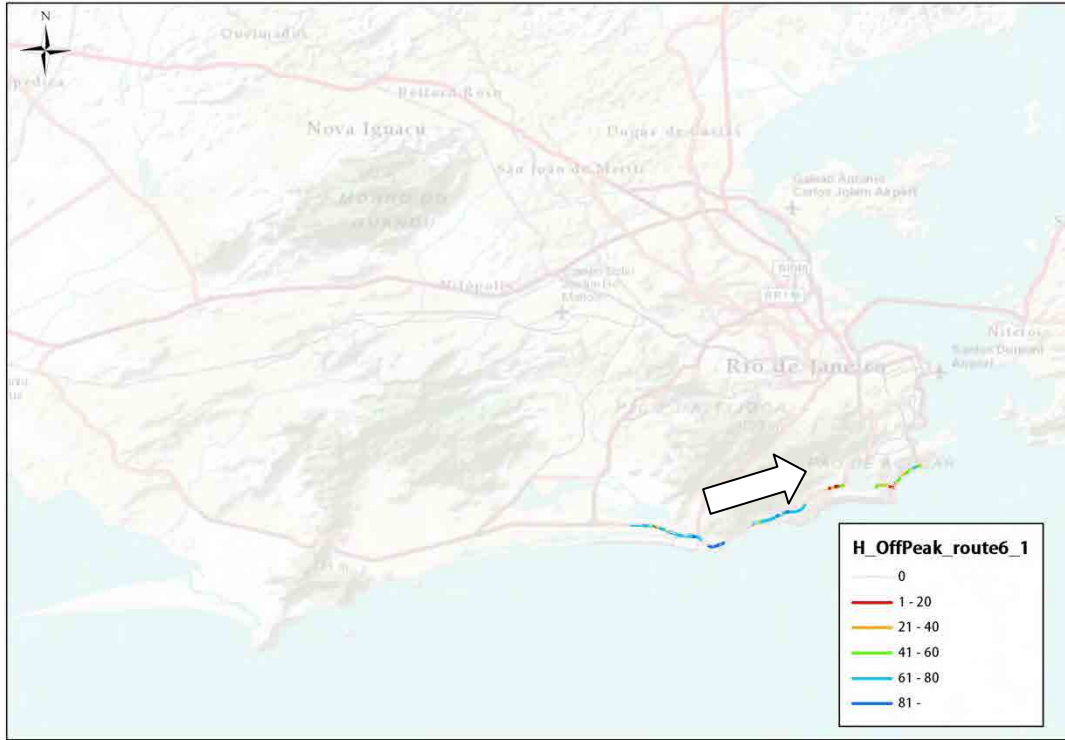


Direction 2

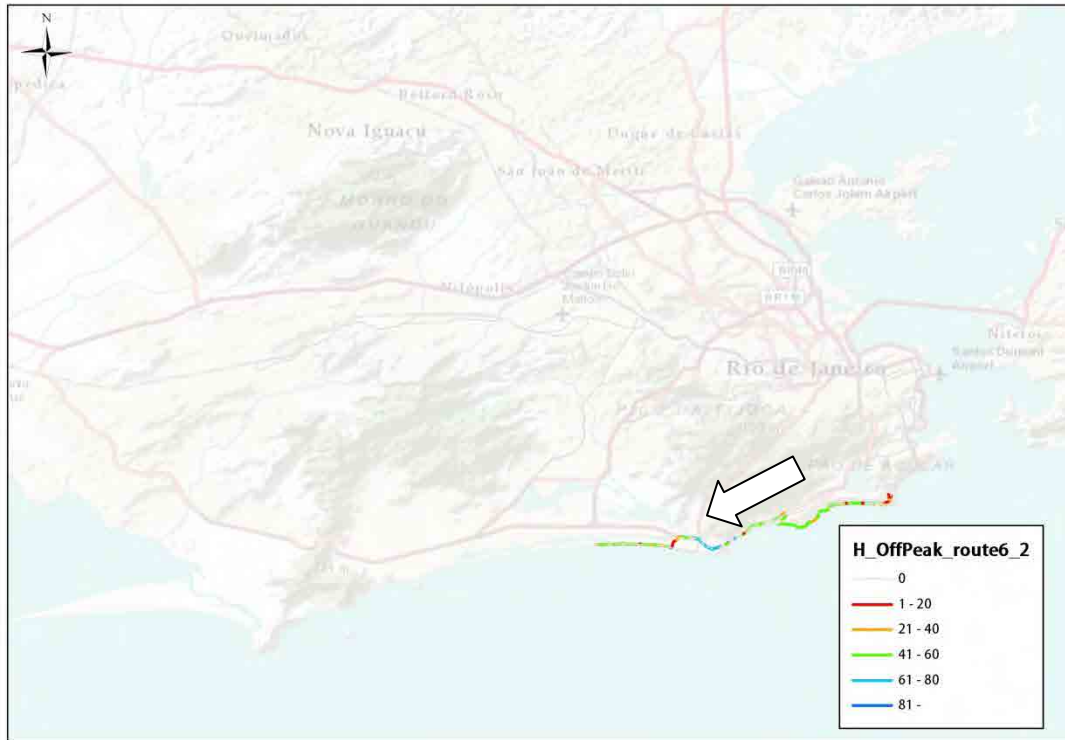


Route	Direction	Start	Goal	Main Road	Distance(km)
6	6-1	Barra Square Shoppin Center	Av. Atlantica / Av. Prca. Isabel	Av. das Americas, Estr. Lagoa Barra	21
	6-2	Av. Atlantica / Av. Prca. Isabel	Barra Square Shoppin Center		22

Direction 1

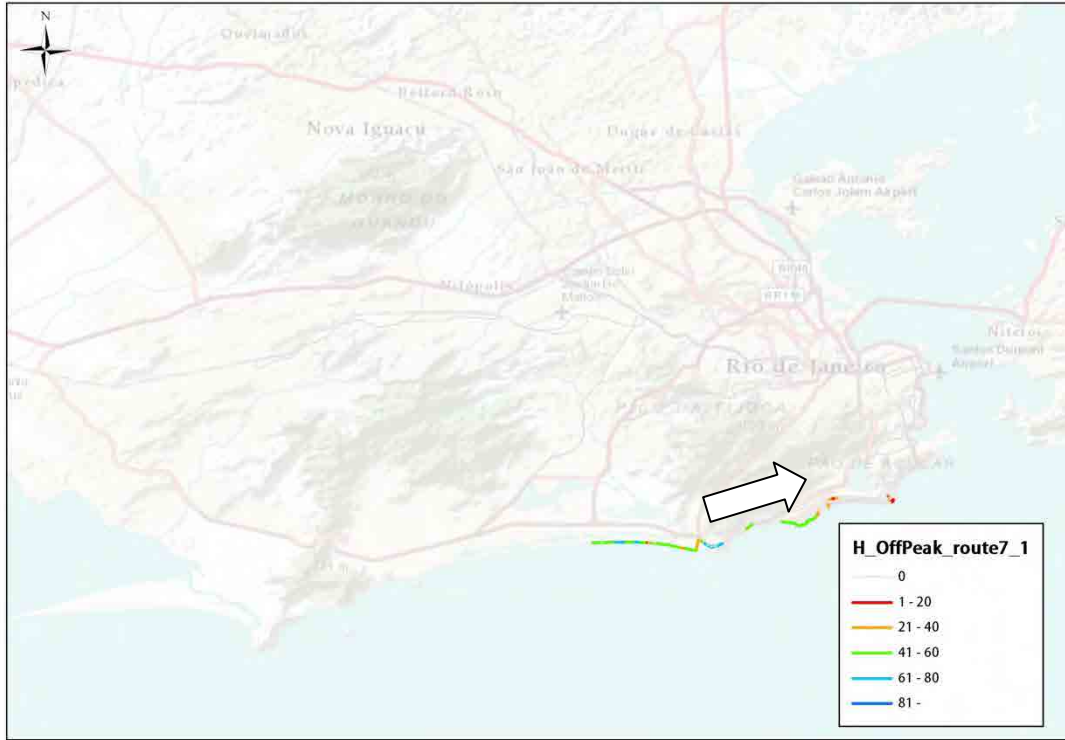


Direction 2

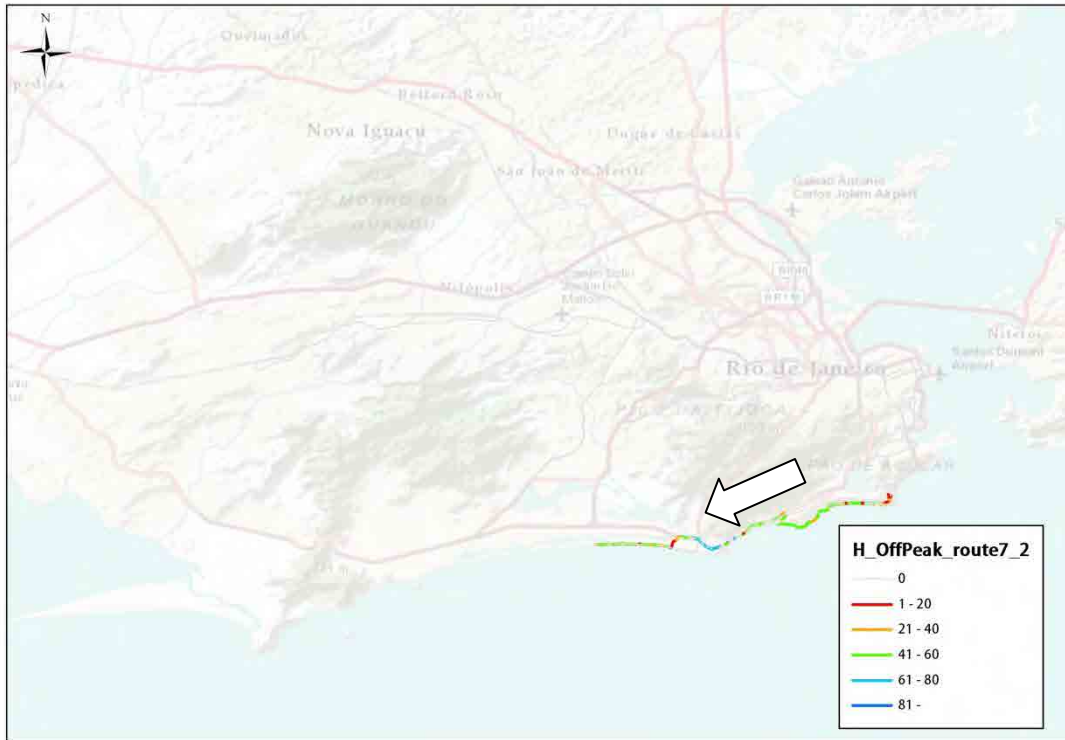


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2

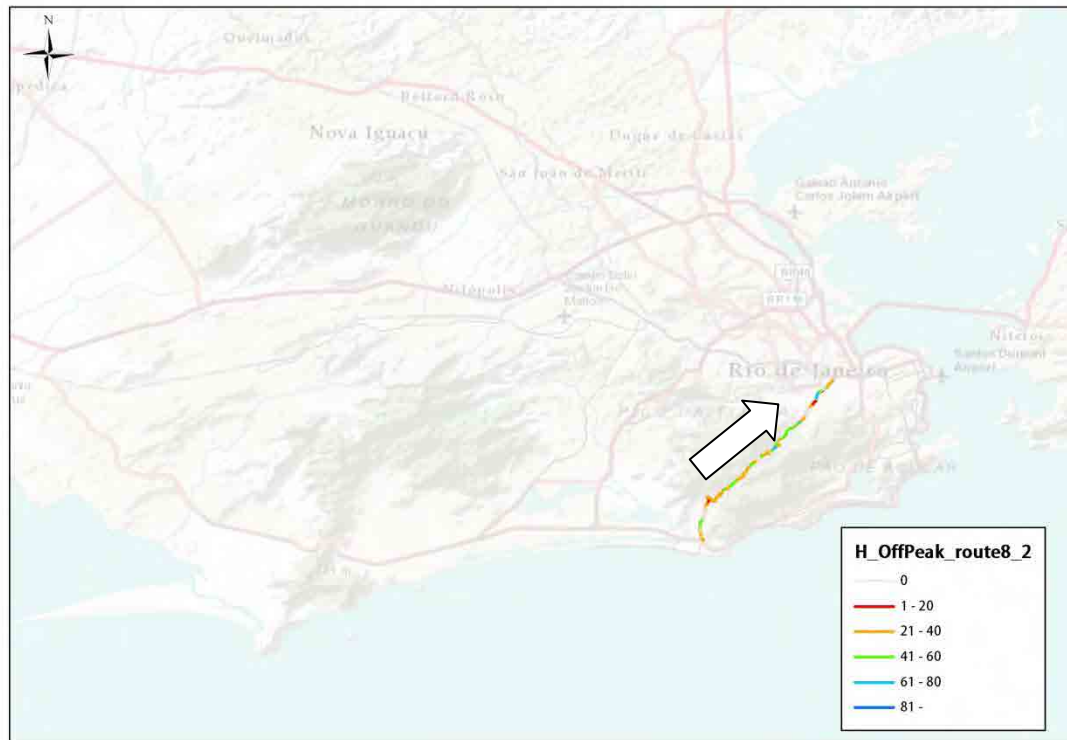


Route	Direction	Start	Goal	Main Road	Distance(km)
8	8-1	Around Maracana Stadium	Pte. Nova / Av. Amando Lombardi	Estr. Velha Tijuca	17
	8-2	Pte. Velha / Av. Amando Lombardi	Around Maracana Stadium		17

Direction 1



Direction 2

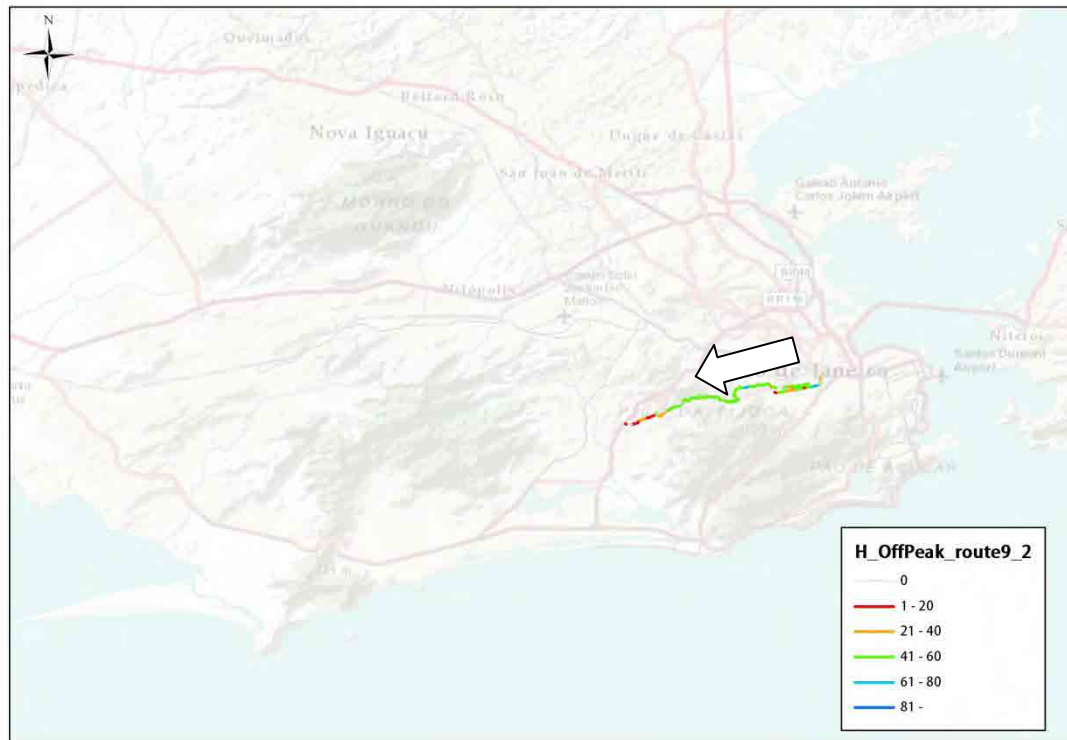


Route	Direction	Start	Goal	Main Road	Distance(km)
9	9-1	Av. Geremário Dantas / Ln. Amarela	Around Maracana Stadium	Av. Menezes Cortes	15
	9-2	Around Maracana Stadium	Av. Geremário Dantas / Ln. Amarela		15

Direction 1

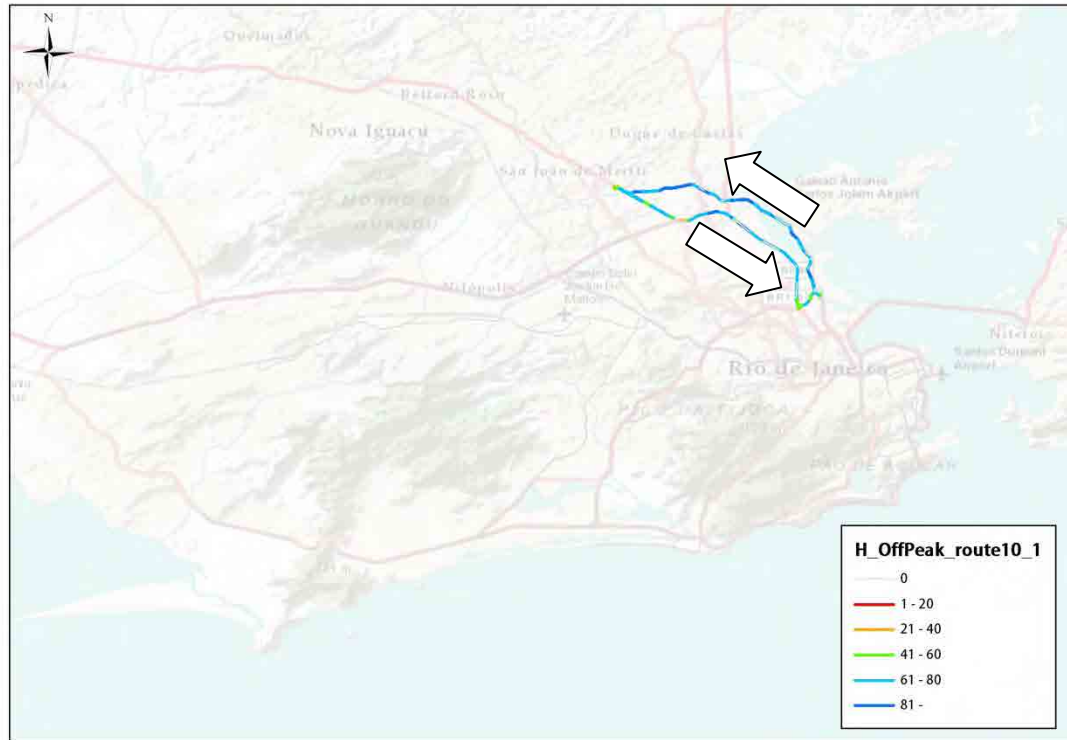


Direction 2

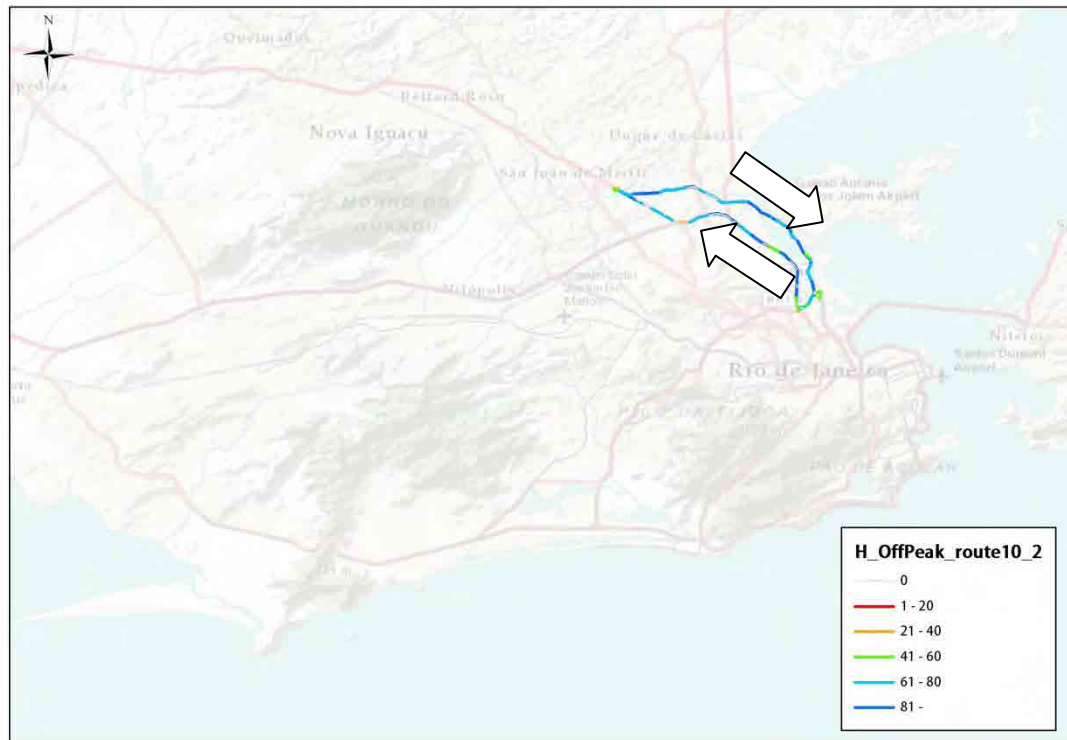


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1



Direction 2



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

Direction 1



Direction 2

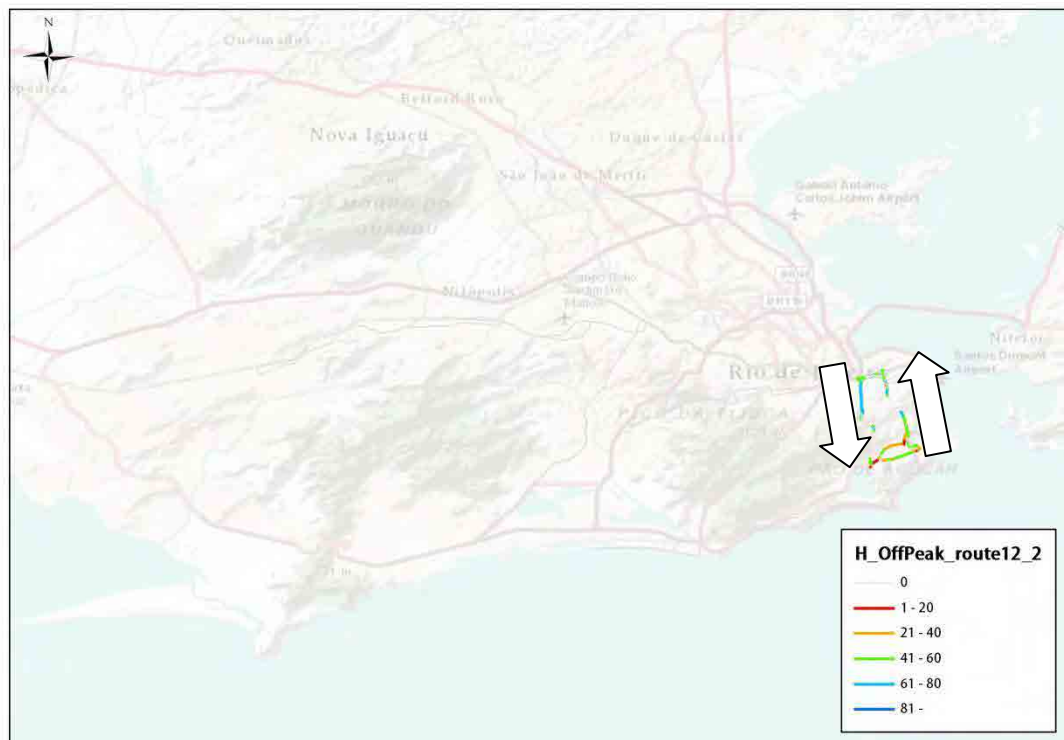


Route	Direction	Start	Goal	Main Road	Distance(km)
12	12-1	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Vevd. Eng. Freyssinet, Vevd. Eng. Noronha	15
	12-2	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio,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

Direction 1



Direction 2

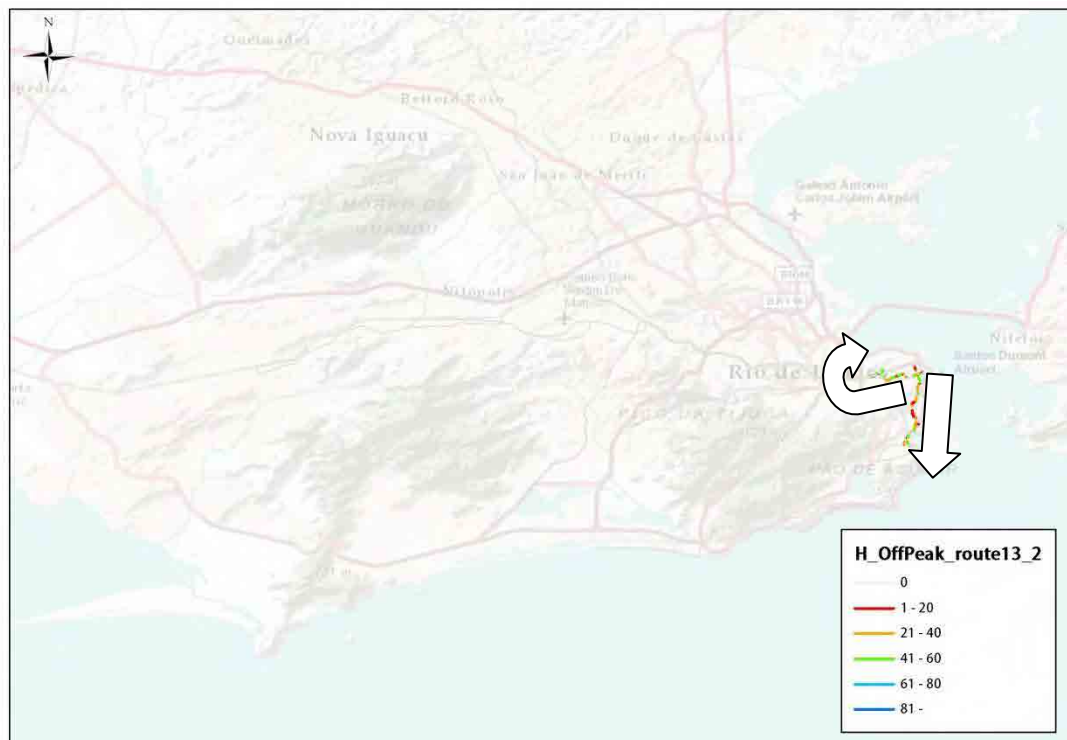


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do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

Direction 1

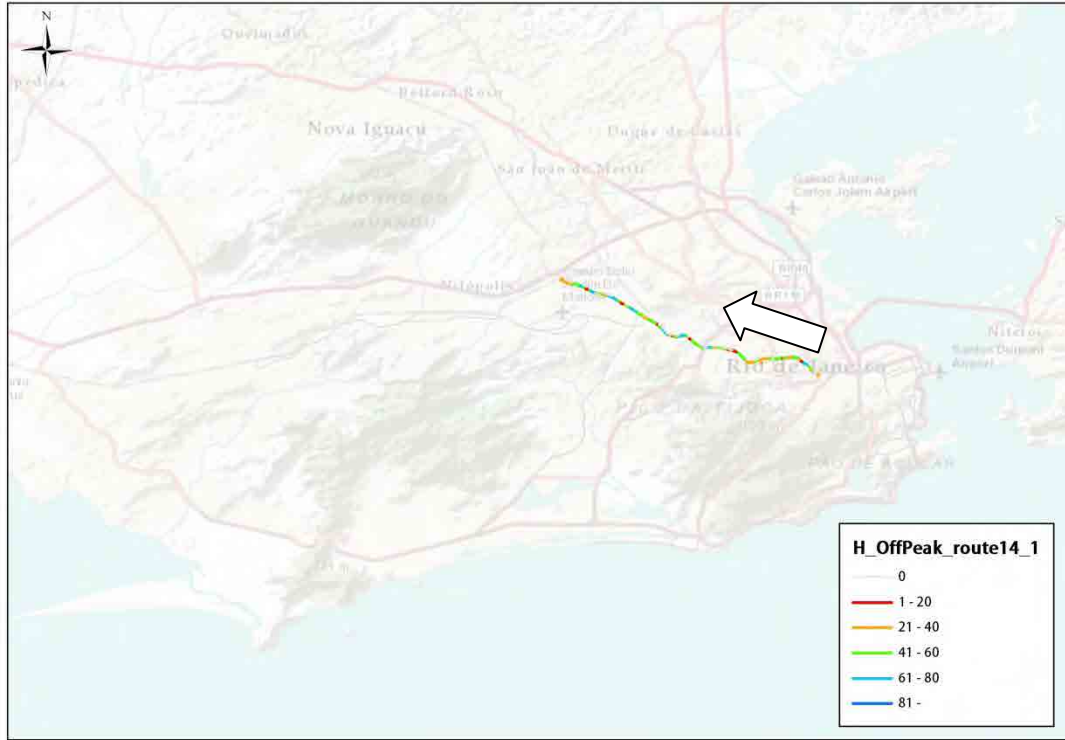


Direction 2

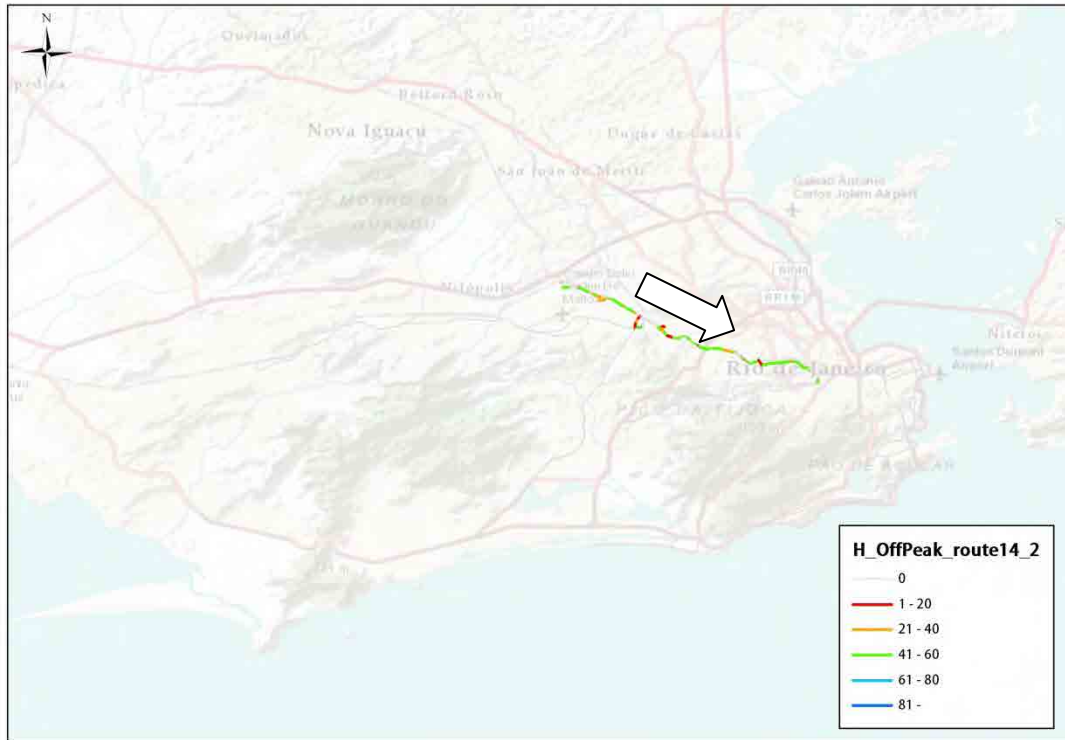


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1



Direction 2



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

Direction 1



Direction 2



[Evening Peak]

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

Direction 1

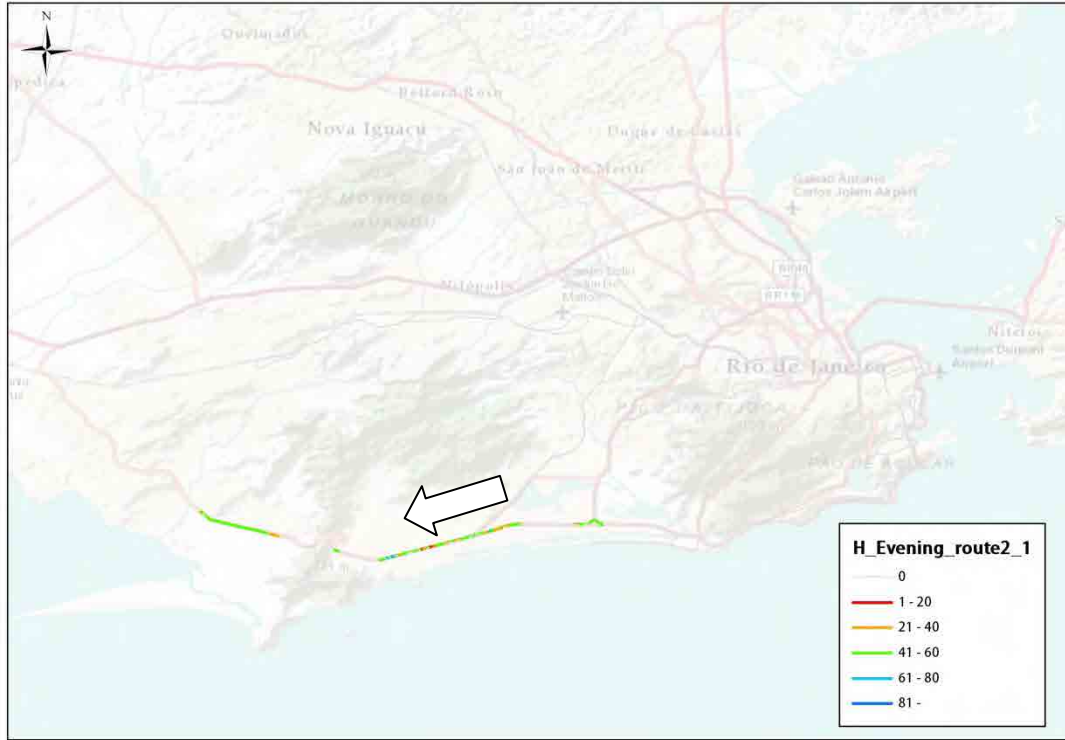


Direction 2

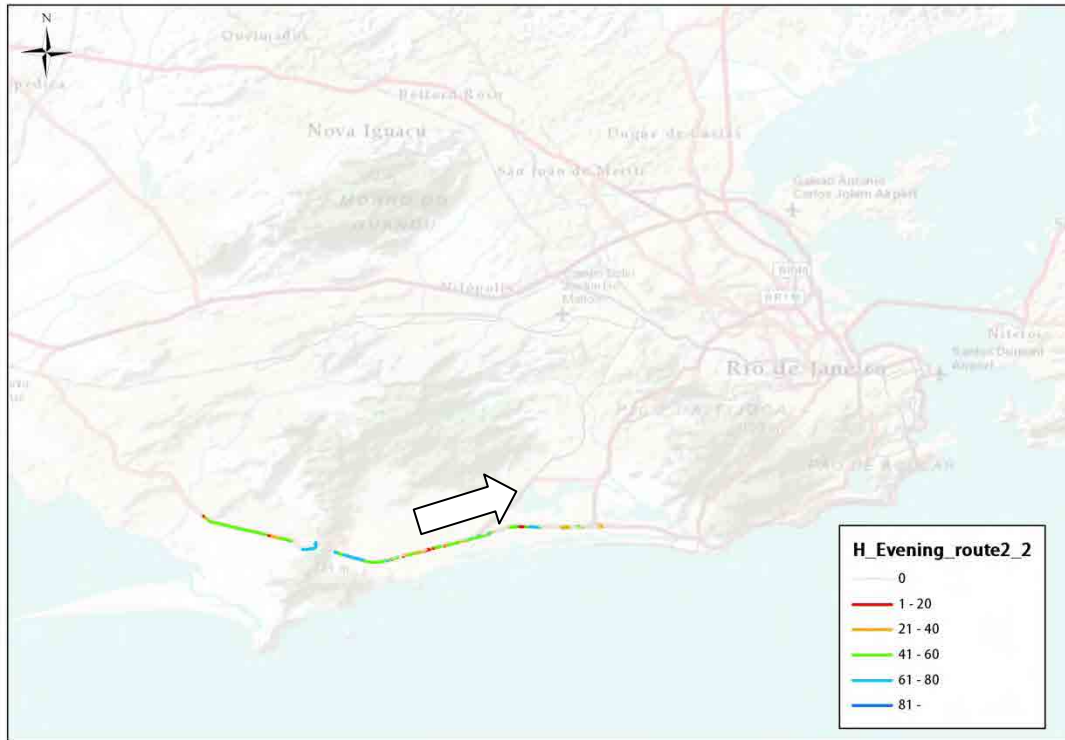


Route	Direction	Start	Goal	Main Road	Distance(km)
2	2-1	Cidade da Musica	Av. das Americas / Estr. Da Matriz	Av. das Americas	27
	2-2	Av. das Americas / Estr. Da Matriz	Cidade da Musica		28

Direction 1



Direction 2

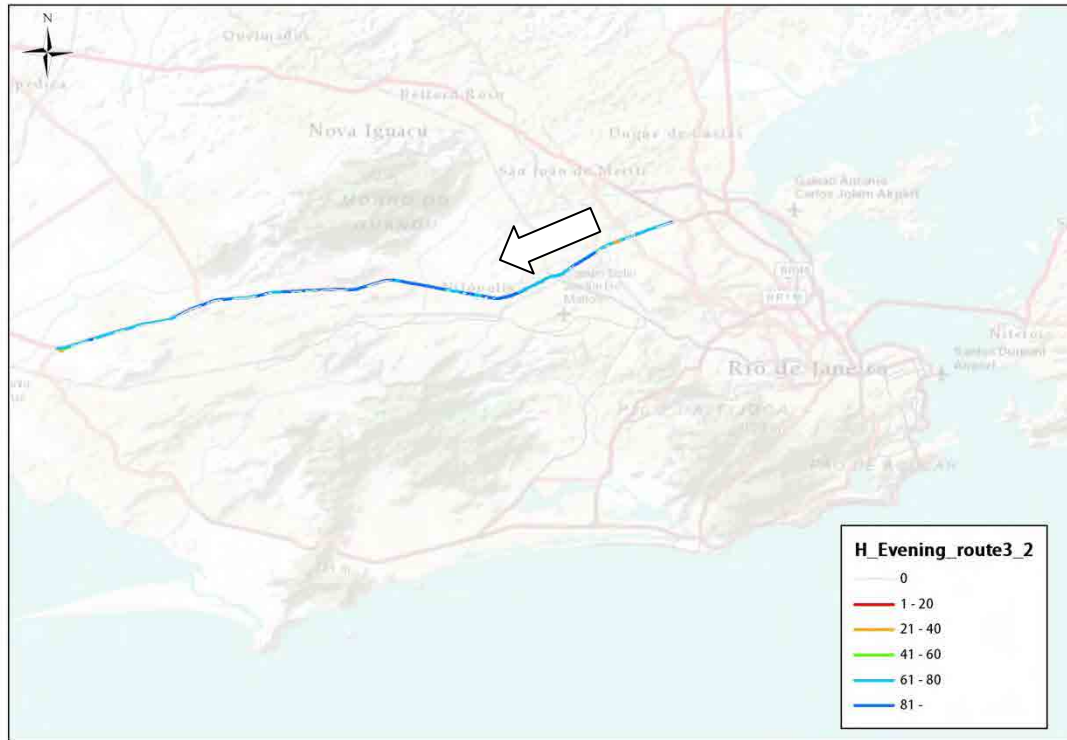


Route	Direction	Start	Goal	Main Road	Distance(km)
3	3-1	Av. da Brasil / Rod. Rio-santos	Av. da Brasil / Rod. Pres. Dutra	Av. Brasil	40
	3-2	Av. da Brasil / Rod. Pres. Dutra	Av. da Brasil / Rod. Rio-santos		39

Direction 1

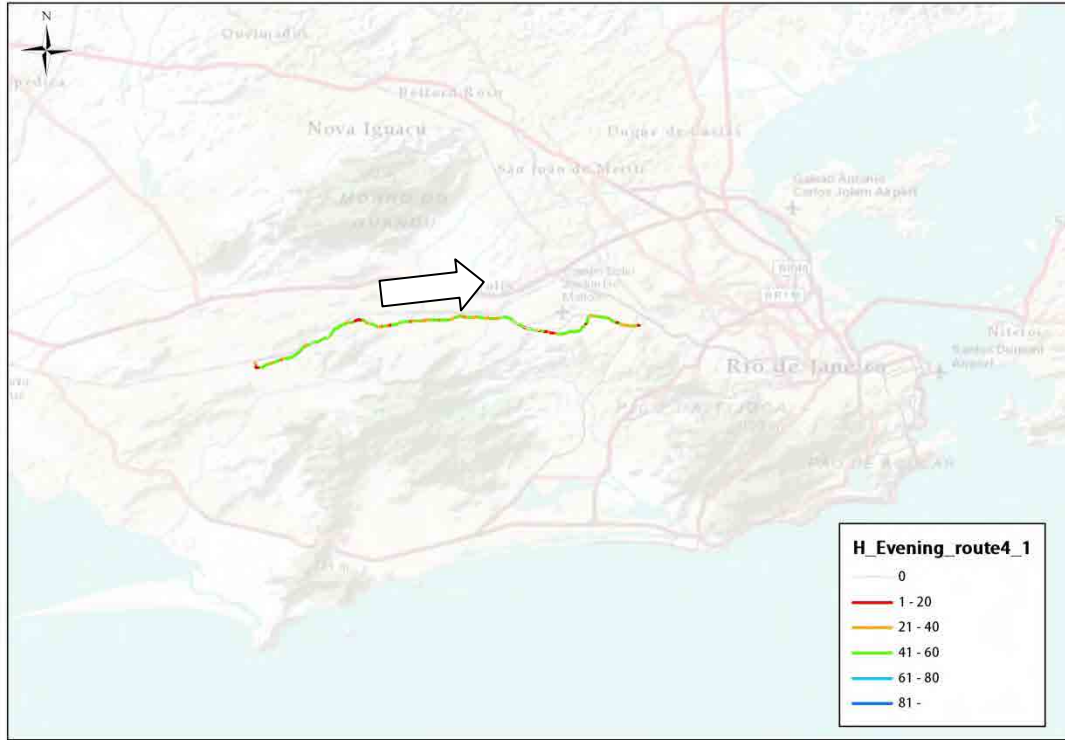


Direction 2

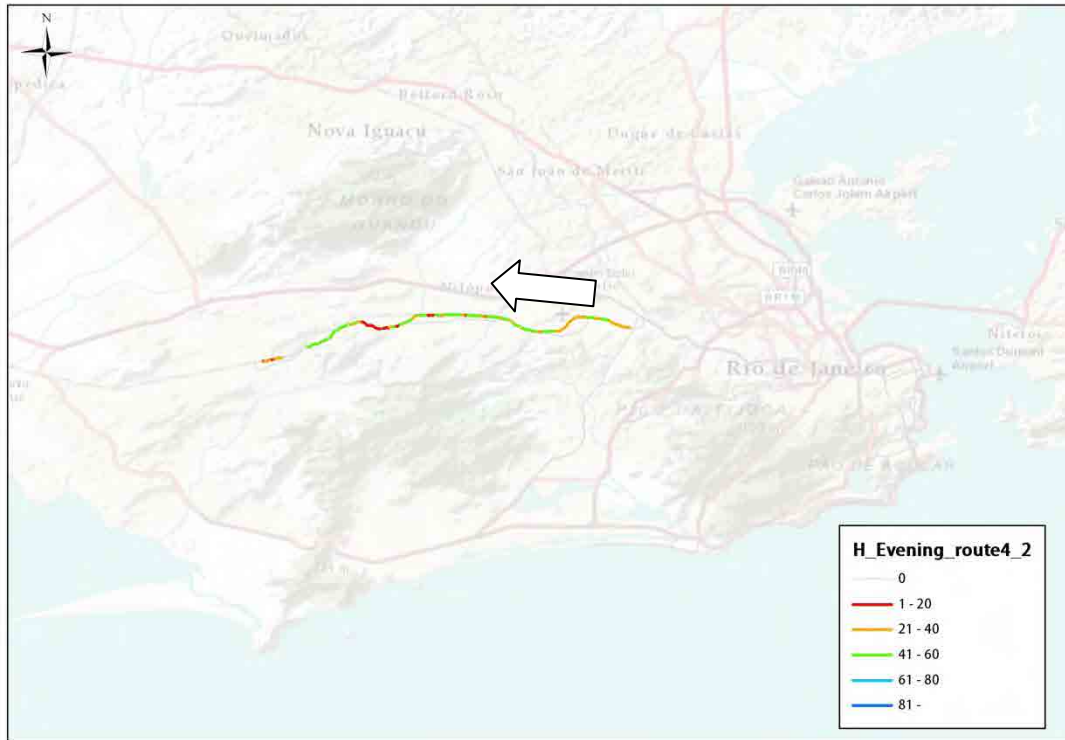


Route	Direction	Start	Goal	Main Road	Distance(km)
4	4-1	Av. Cesario de Melo / Av. Maria Teresa	Estr. Int. Magalhães / R. Dominges Lopes	Av. de Santa Cruz	25
	4-2	Estr. Int. Magalhães / R. Dominges Lopes	Av. Cesario de Melo / Av. Maria Teresa		25

Direction 1

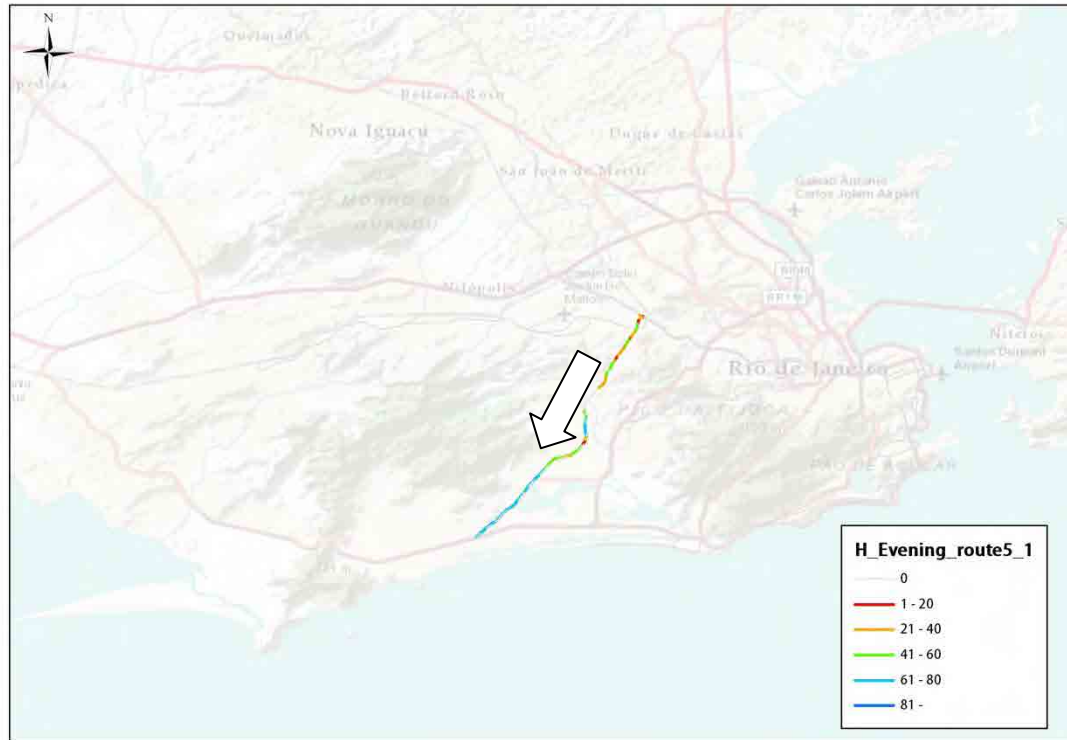


Direction 2

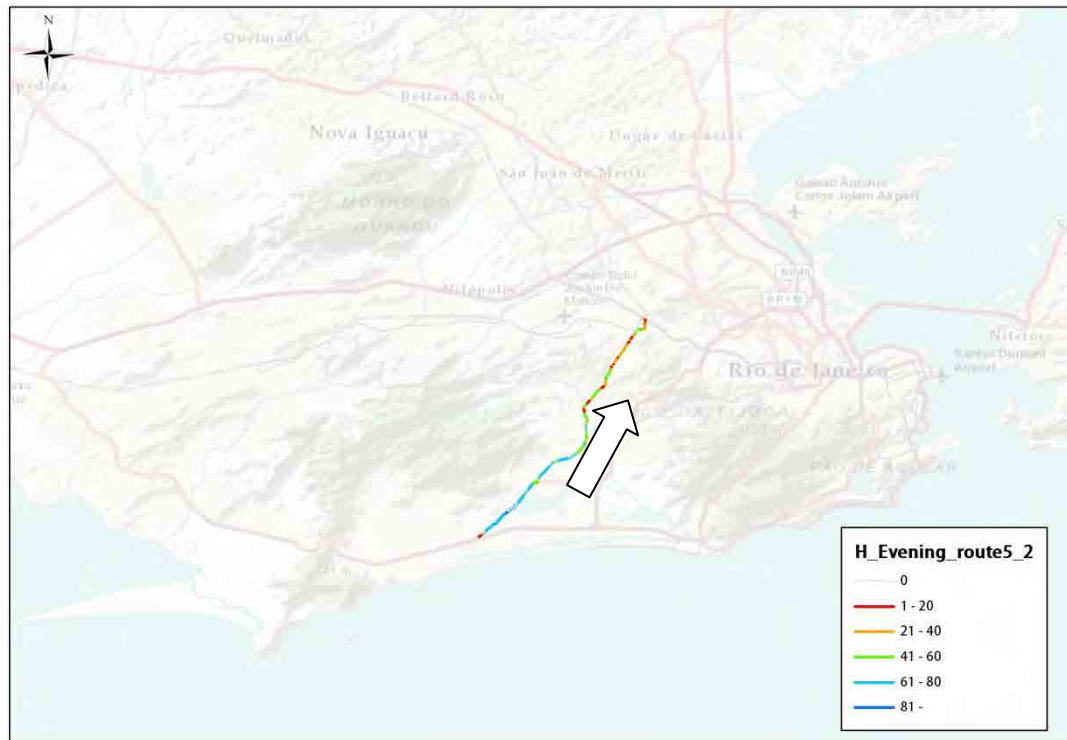


Route	Direction	Start	Goal	Main Road	Distance(km)
5	5-1	R. Dominges Lopes / R. Joao Vicente	Av. Salvaror Allende / Av. das Americas	Av. Salvador Allende, Av. Nelson Cardoso	19
	5-2	Av. Salvaror Allende / Av. das Americas	R. Dominges Lopes / R. Joao Vicente		20

Direction 1

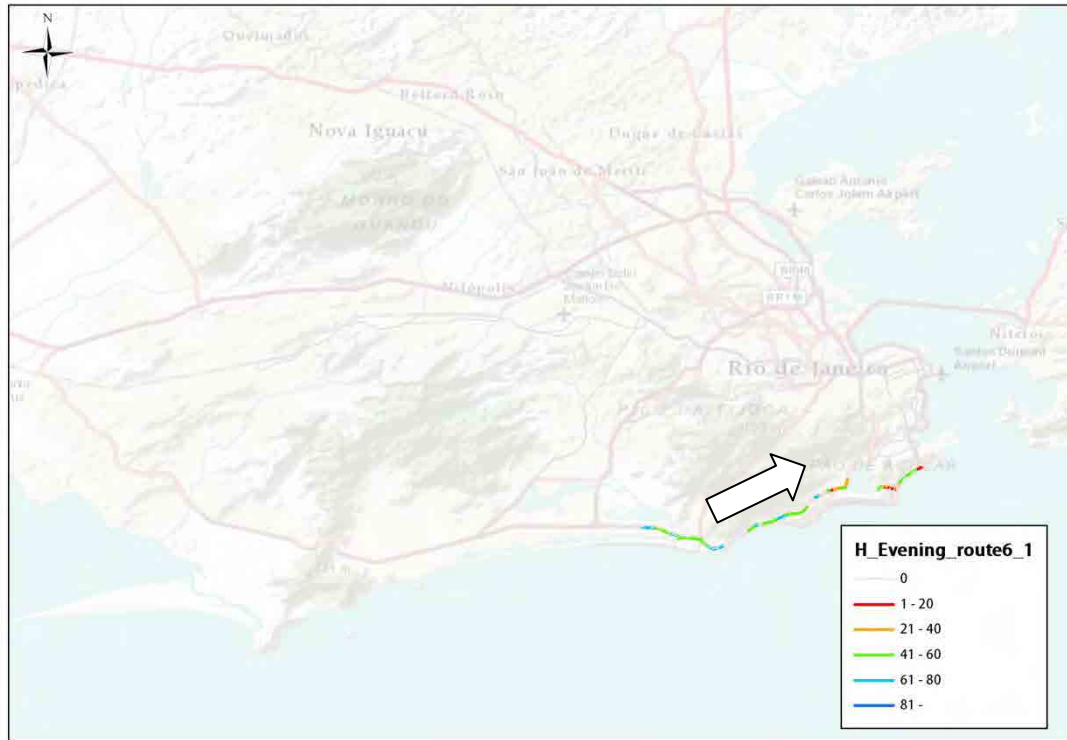


Direction 2



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

Direction 1

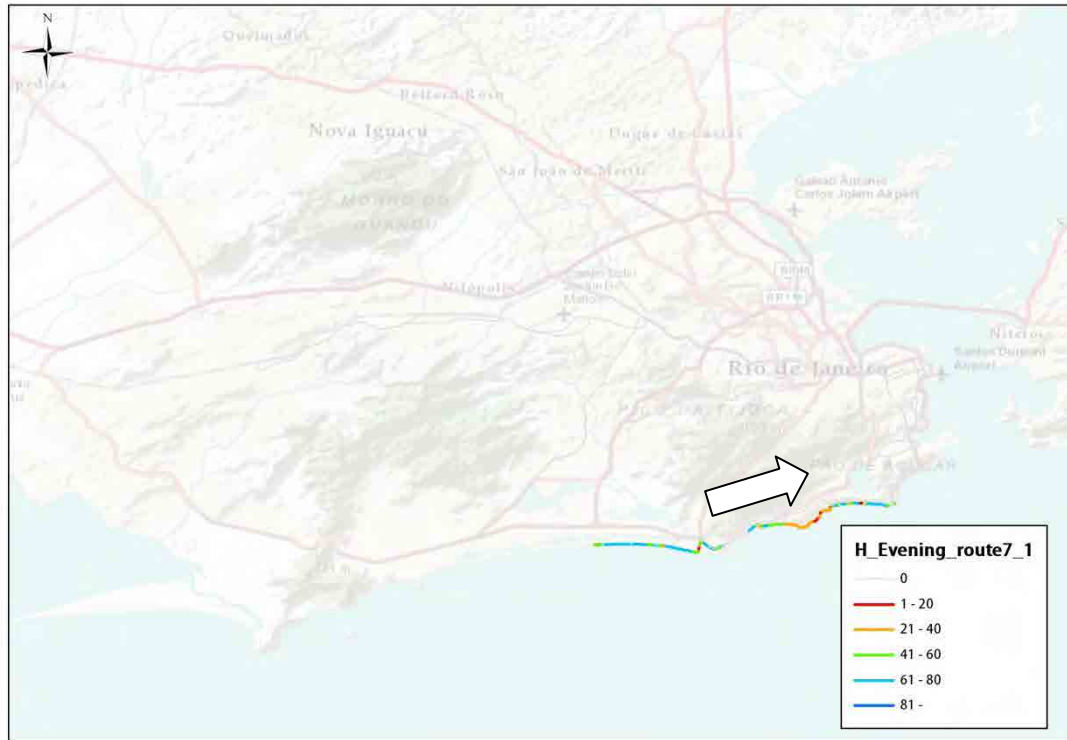


Direction 2

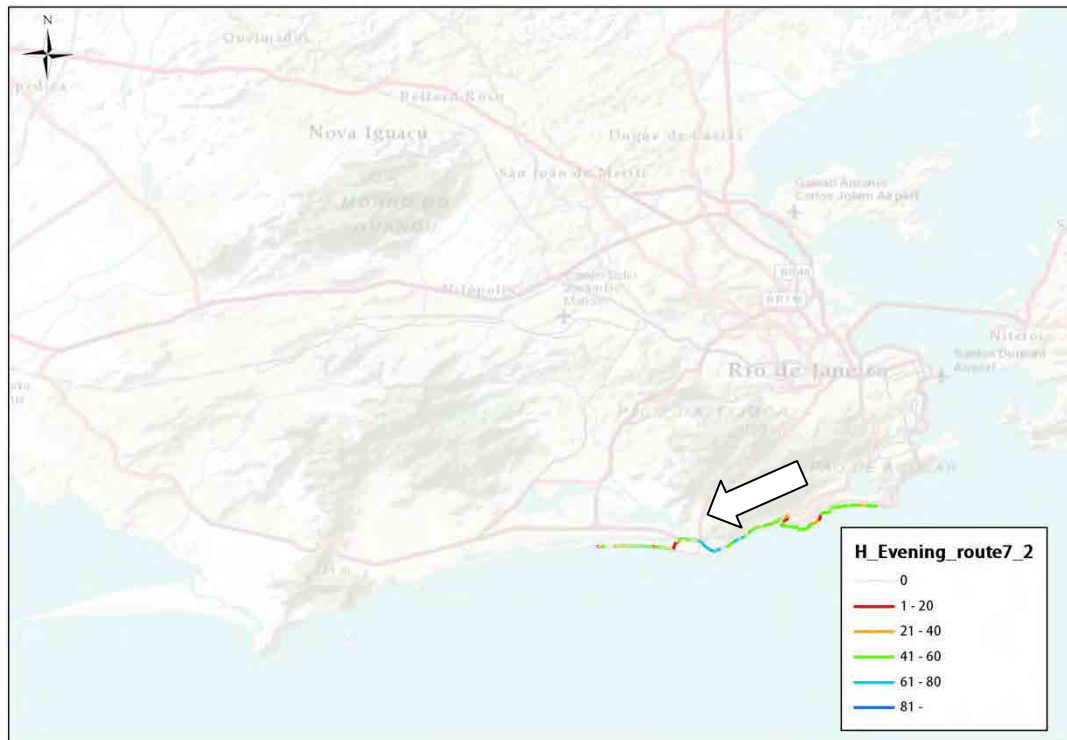


Route	Direction	Start	Goal	Main Road	Distance(km)
7	7-1	Av. Lucio Costa / Av.Ayrton Senna	R. Francisco Otaviano / Av. Atlantica	Av. Ayrton Senna, Av. Sernambetiba	21
	7-2	R. Joaquim Nabuco / Av. Atlantica	Av. Lucio Costa / Av.Ayrton Senna		22

Direction 1



Direction 2



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

Direction 1



Direction 2

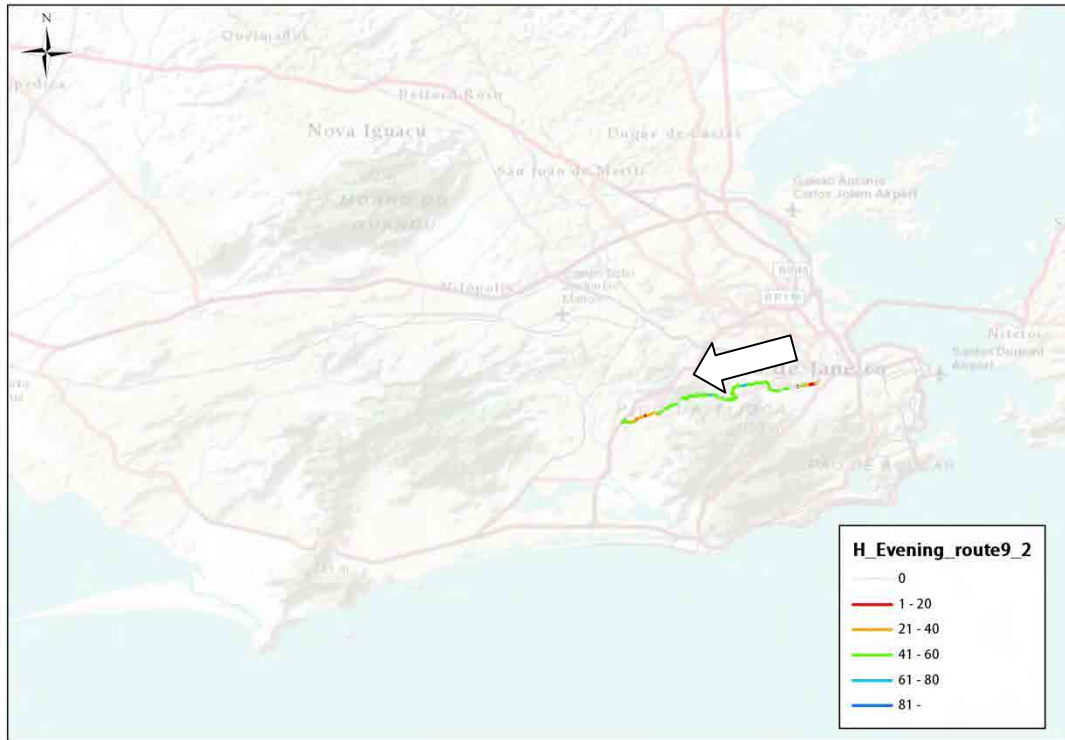


Route	Direction	Start	Goal	Main Road	Distance(km)
9	9-1	Av. Geremário Dantas / Ln. Amarela	Around Maracana Stadium	Av. Menezes Cortes	15
	9-2	Around Maracana Stadium	Av. Geremário Dantas / Ln. Amarela		15

Direction 1

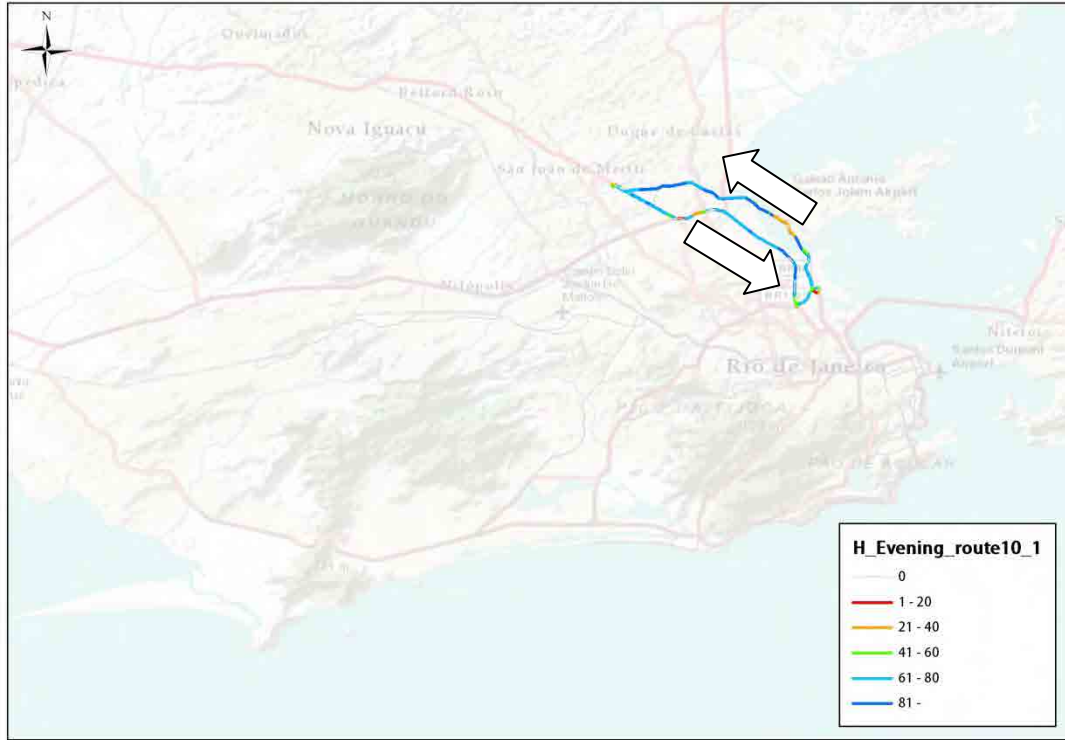


Direction 2

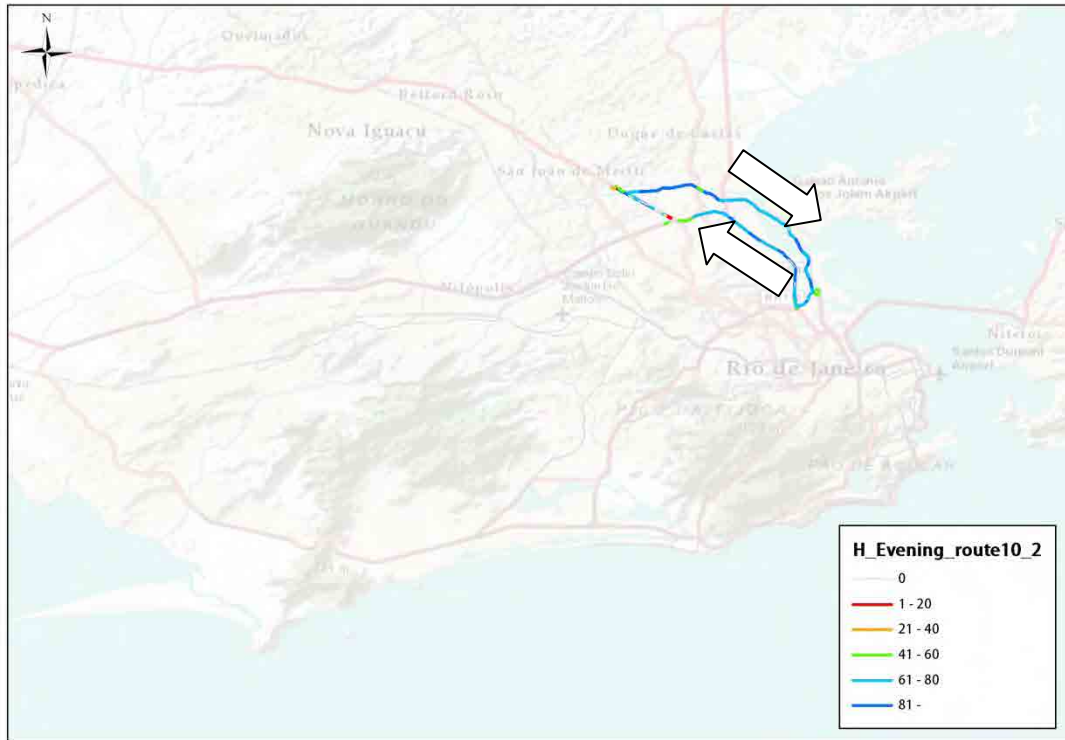


Route	Direction	Start	Goal	Main Road	Distance(km)
10	10-1	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra	Av. Brasil, Linha Vermelha	35
	10-2	Av. Brasil / Rod. Pres. Dutra	Av. Brasil / Rod. Pres. Dutra		31

Direction 1

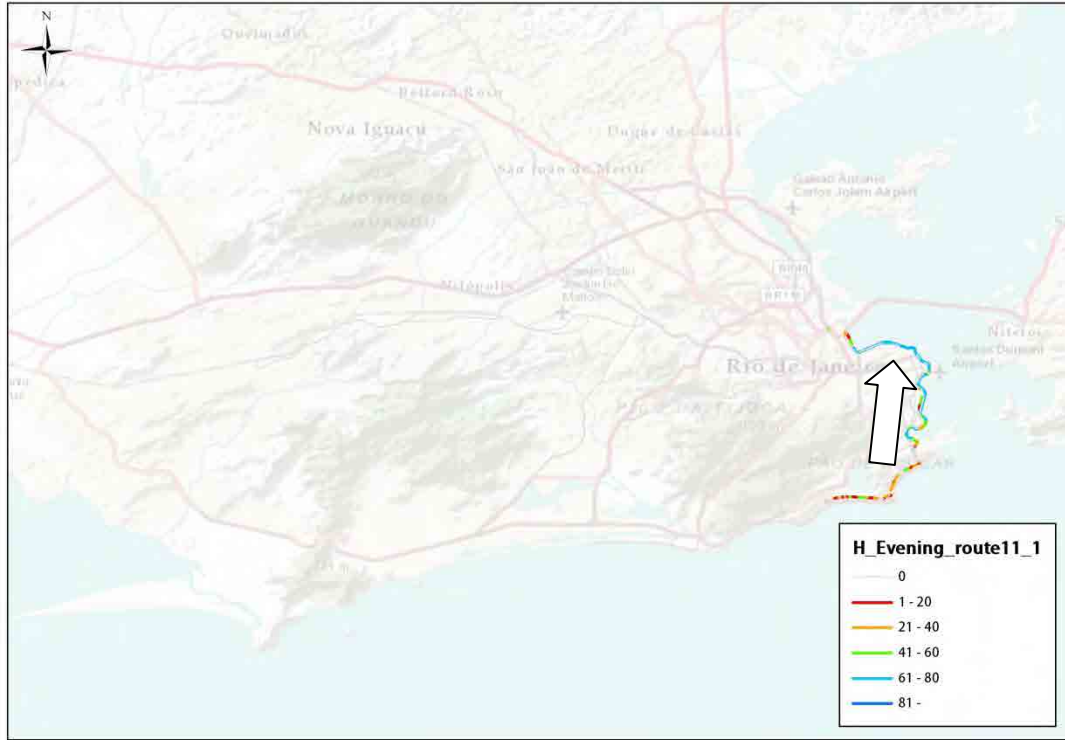


Direction 2



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

Direction 1



Direction 2

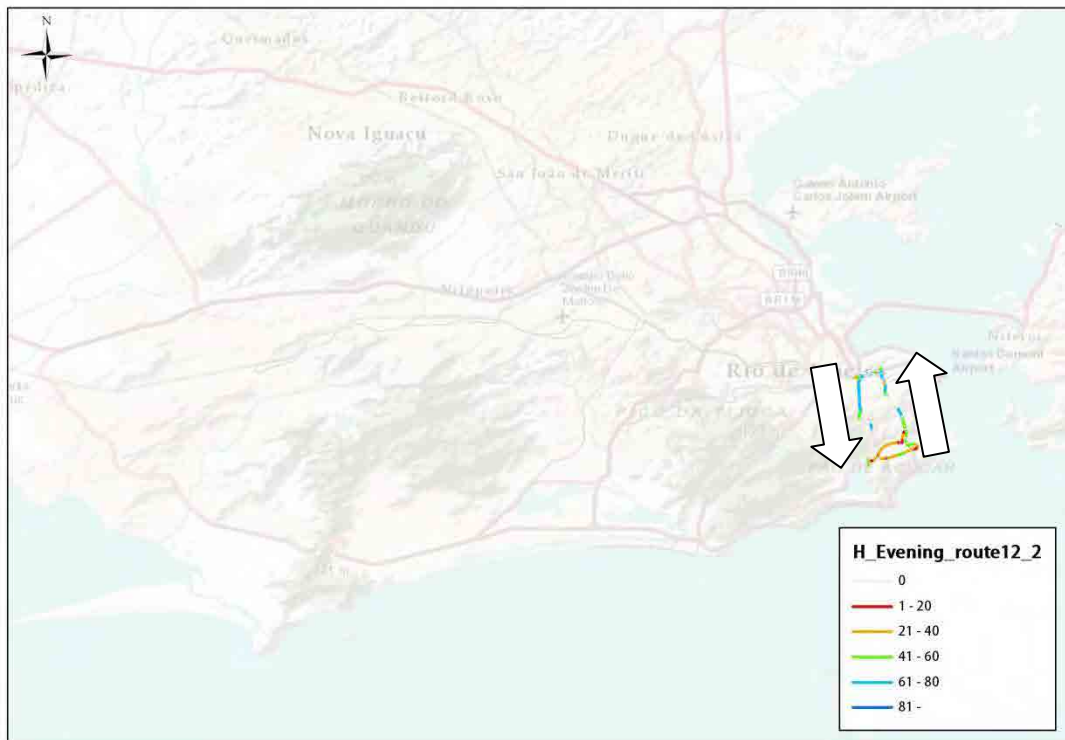


Route	Direction	Start	Goal	Main Road	Distance(km)
12	12-1	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Vevd. Eng. Freyssinet, Vevd. Eng. Noronha	15
	12-2	Around Praça Marcos Tamoio, 02.06.008 E.M. Pedro Ernesto	Around Praça Marcos Tamoio,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

Direction 1



Direction 2

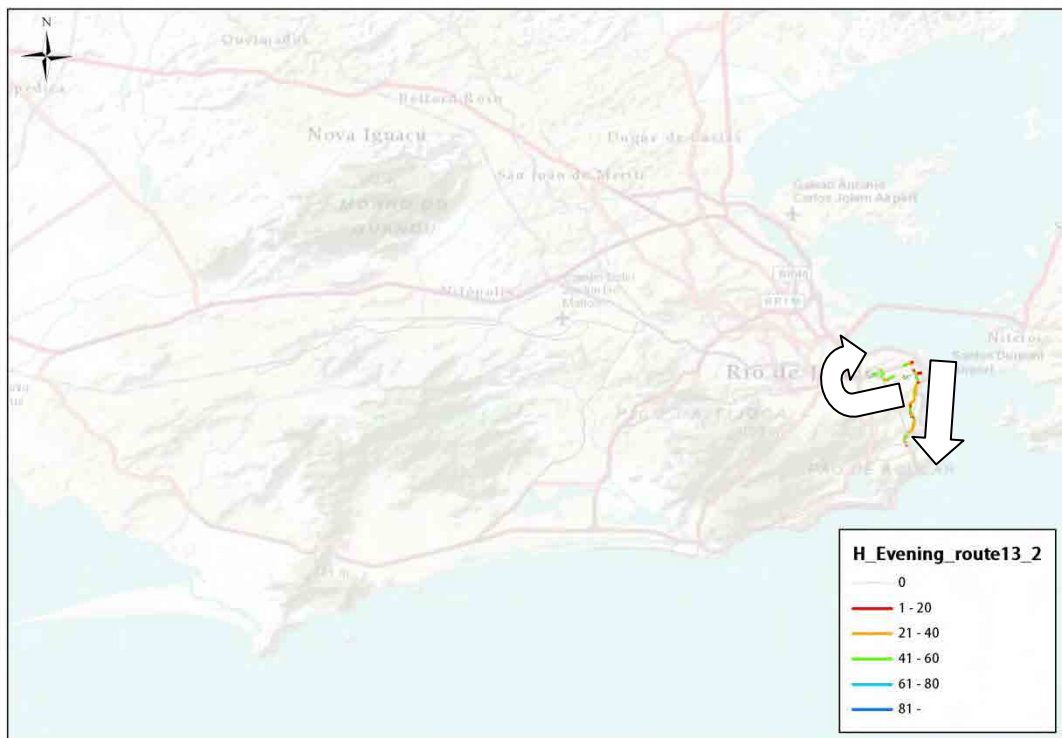


Route	Direction	Start	Goal	Main Road	Distance(km)
13	13-1	Around Largo Alm Indio do Brasil	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Av. Pres. Vargas, R. Primeiro Marco, Av. Republica do Chile, R. do Catete	14
	13-2	Av. Alm. Barroso / Av. Pres. Antonio Carlos	Around Largo Alm Indio do Brasil	R. do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

Direction 1

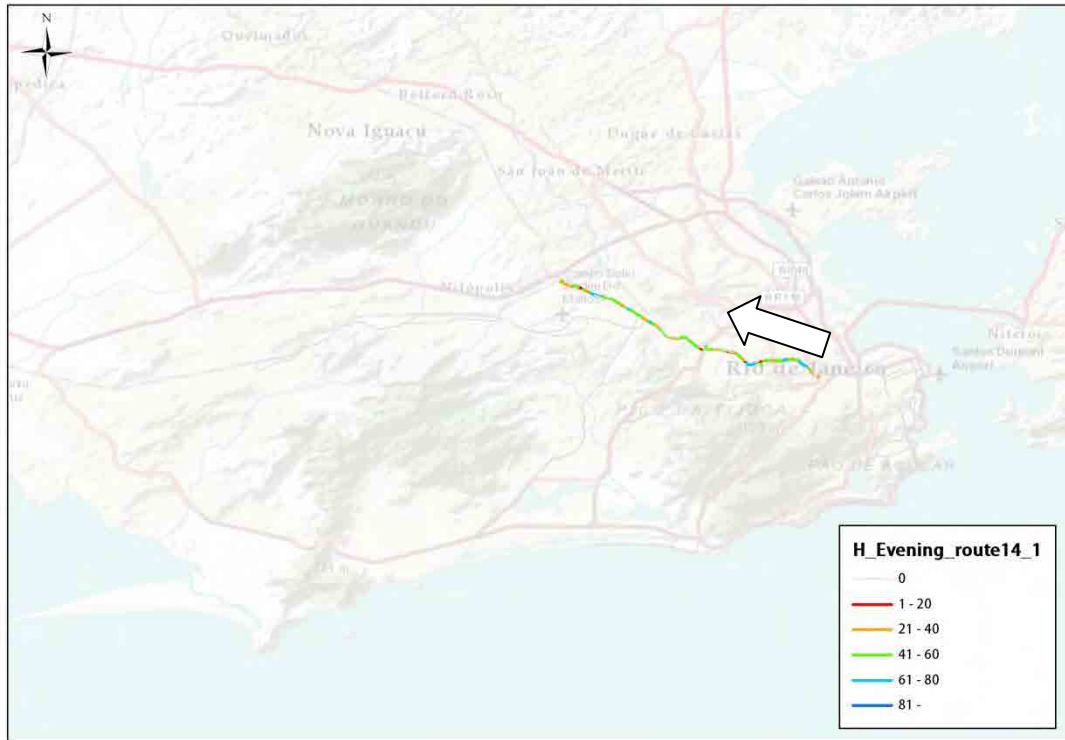


Direction 2

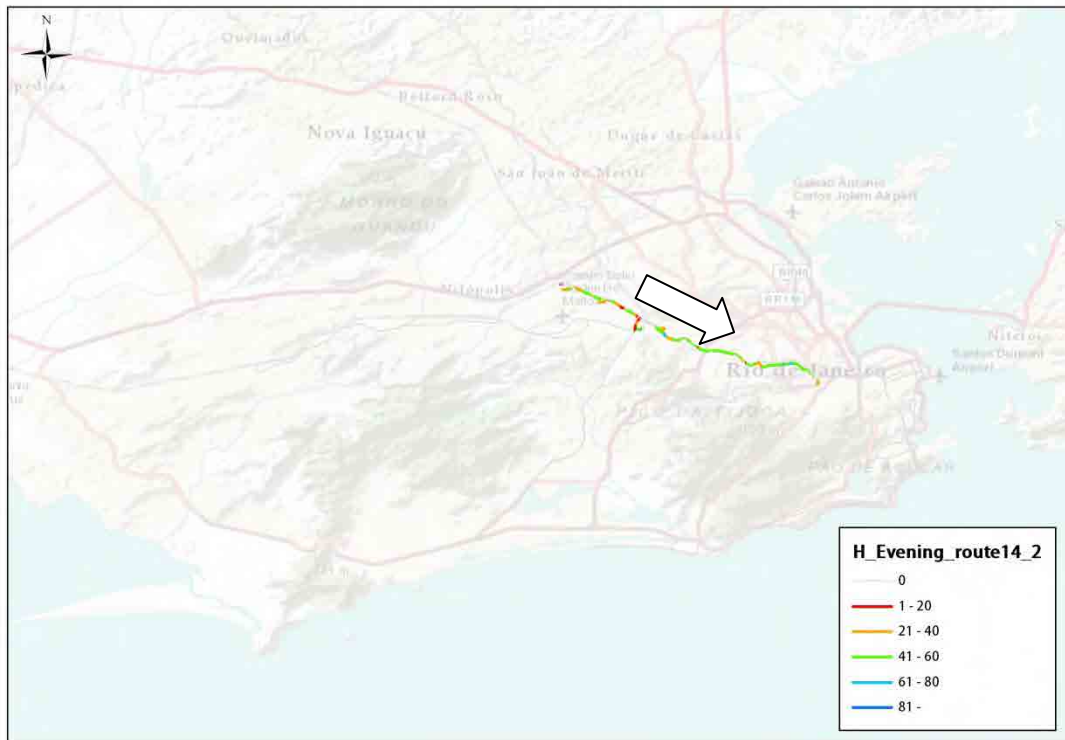


Route	Direction	Start	Goal	Main Road	Distance(km)
14	14-1	Around Maracana Stadium	Deodoro Station	R. Joao Vicente, Av. Amaro Cavalcanti	19
	14-2	Deodoro Station	Around Maracana Stadium		21

Direction 1



Direction 2

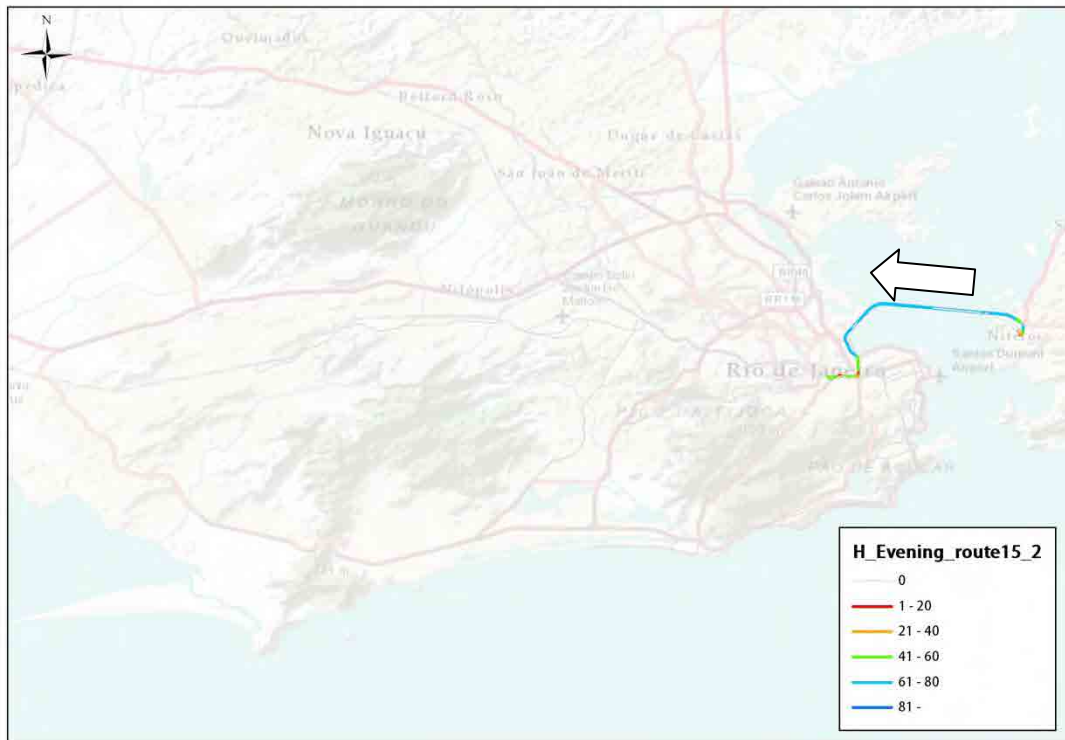


Route	Direction	Start	Goal	Main Road	Distance(km)
15	15-1	Around Maracana Stadium	Praca Dez de Novembro	Av. Pst. Martin Luther King Junior	17
	15-2	Praca Dez de Novembro	Around Maracana Stadium		18

Direction 1



Direction 2



4) Travel Speed in Each Link in Rio Central Area

[Weekday, Rio Central Area]

As shown in Figure 2-41 below, roads in the downtown area were congested during peak and off-peak periods. On the other hand, radial roads were congested during the morning and evening peaks. The lowest travel speeds were observed during the evening peak.

Morning Peak (7:00 – 9:00 a.m.)



Off-peak (11:00 a.m. and 2:00 p.m.)



Evening Peak (5:00 – 7:00 p.m.)



Source: JICA Study Team

[Weekend, Rio Central Area]

Copacabana was the most congested area during the weekend as shown in Figure 2-43 below.

Morning Peak (7:00 – 9:00 a.m.)



Off-peak (11:00 a.m and 2:00 p.m.)



Evening Peak (5:00 – 7:00 p.m.)

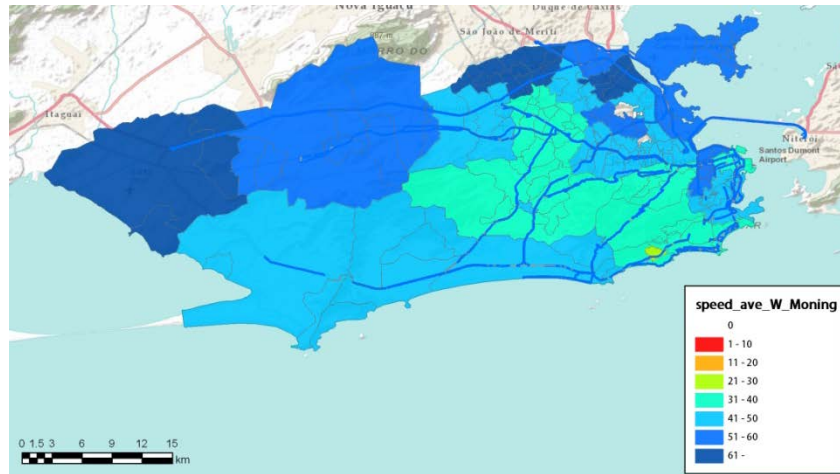


Source: JICA Study Team

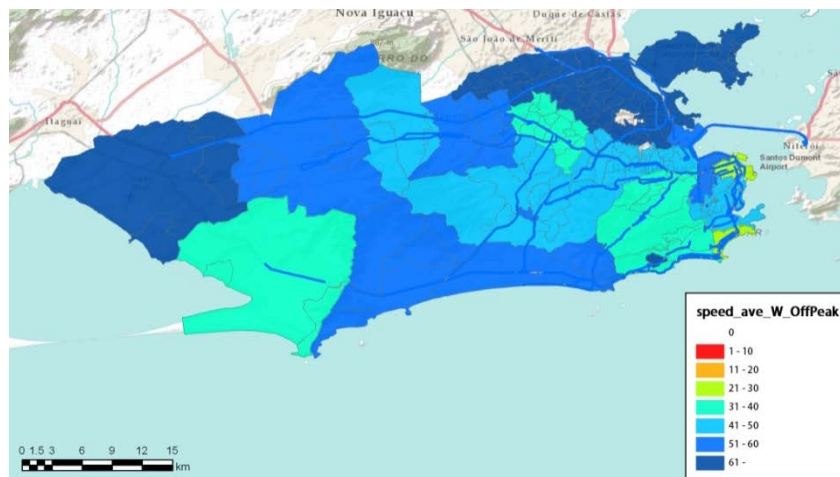
5) Average Travel Speed by Area

Using the travel time results, the average speeds in each area were calculated. In Centro and Copacabana areas, the average travel speed was less than 30 km/h during the weekday.

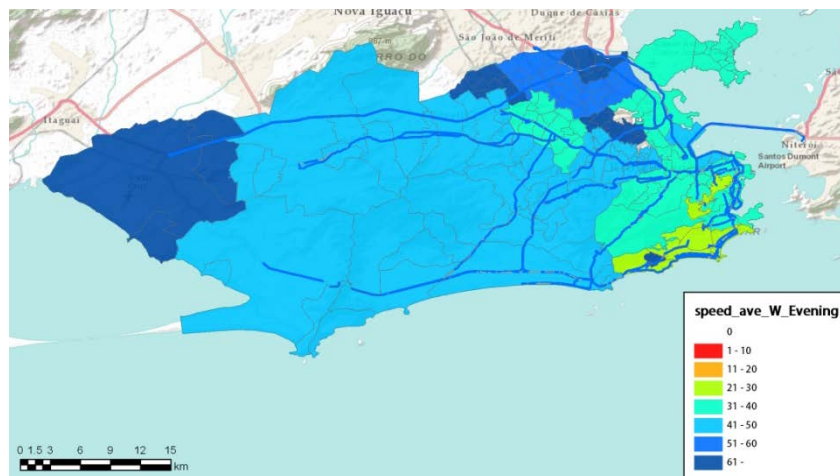
[Weekday, Morning]



[Weekday, Off-peak]



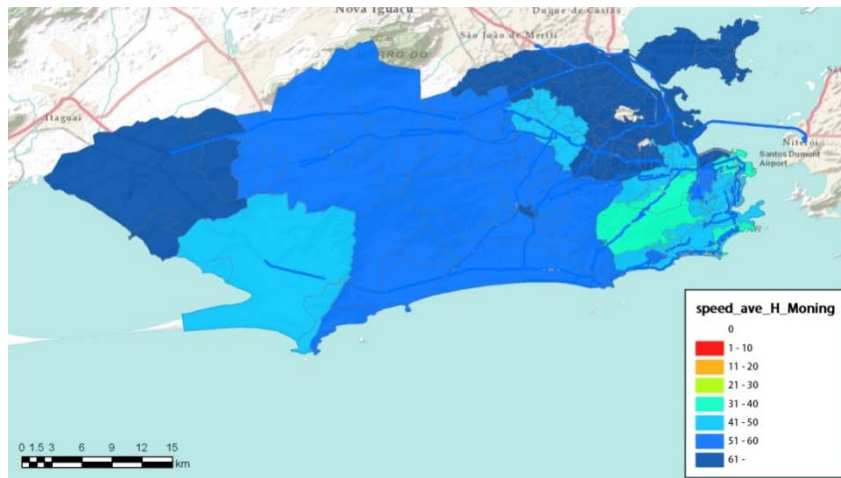
[Weekday, Evening]



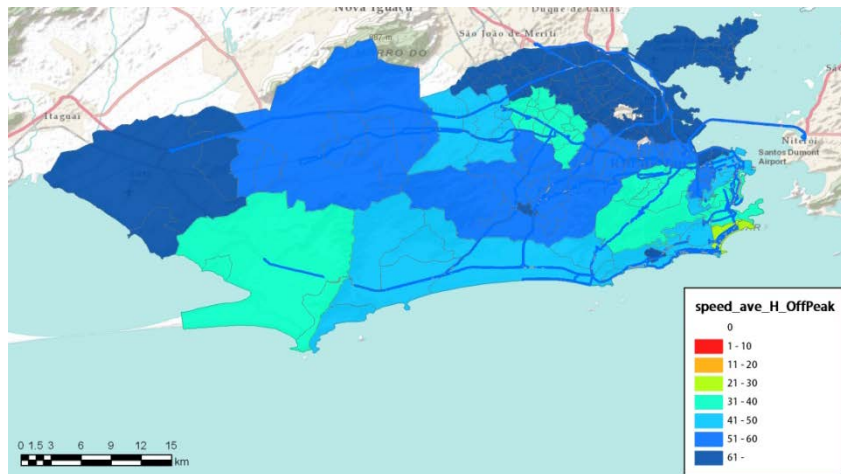
Source: JICA Study Team

During the weekend, only the average travel speed in Copacabana area was less than 30 km/h.

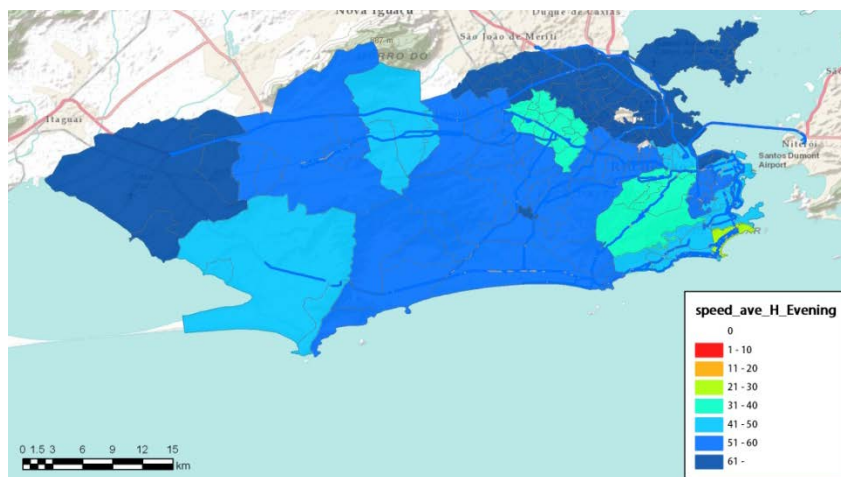
[Weekend, Morning]



[Weekend, Off-peak]



[Weekend, Evening]

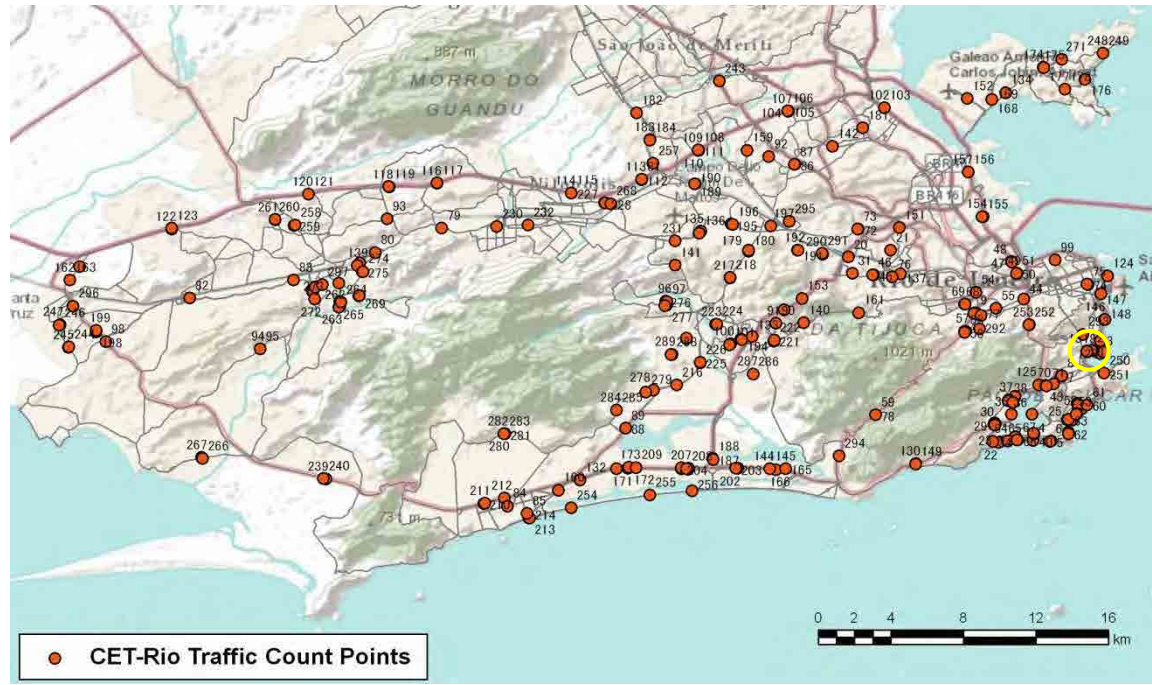


Source: JICA Study Team

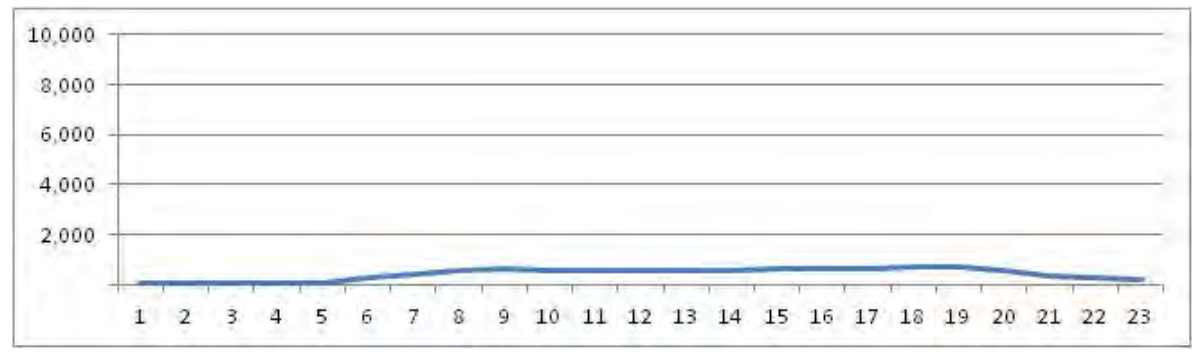
CET-Rio Traffic Count Data

No.	Point	Towards
1	Av. OswaldoCruz proxPca Nicaragua	Botafogo

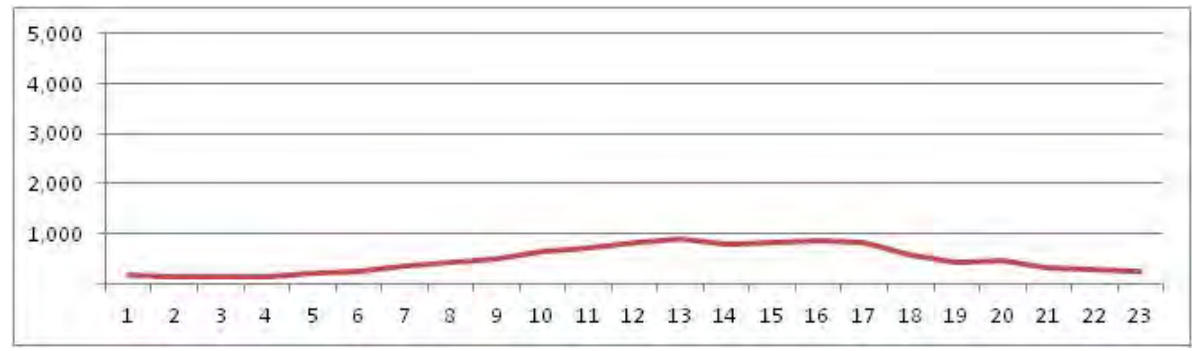
[Location]



[Weekday]

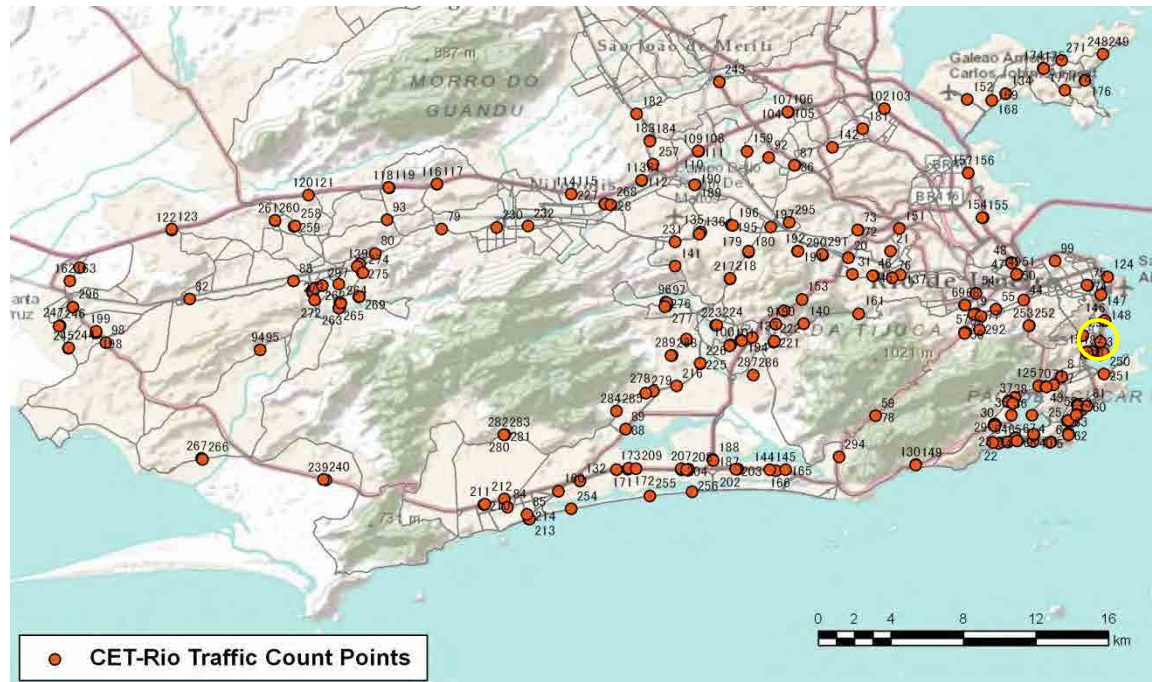


[Weekend]

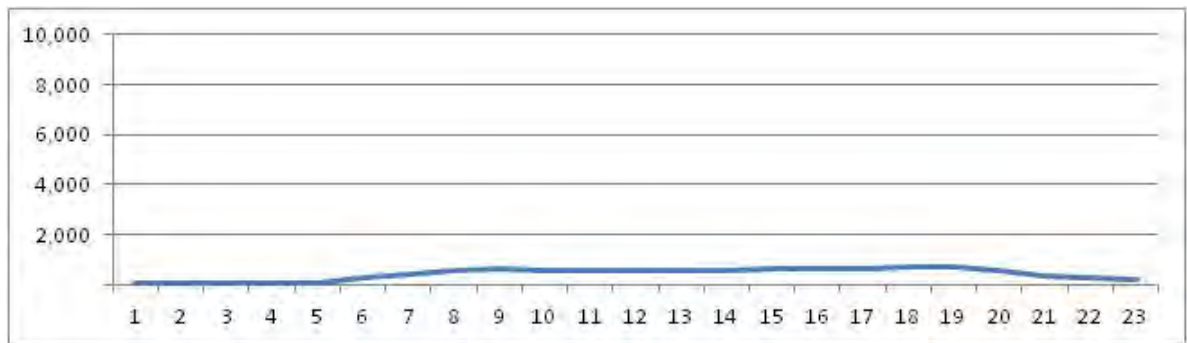


No.	Point	Towards
1	Av. OswaldoCruz proxPca Nicaragua	Botafogo

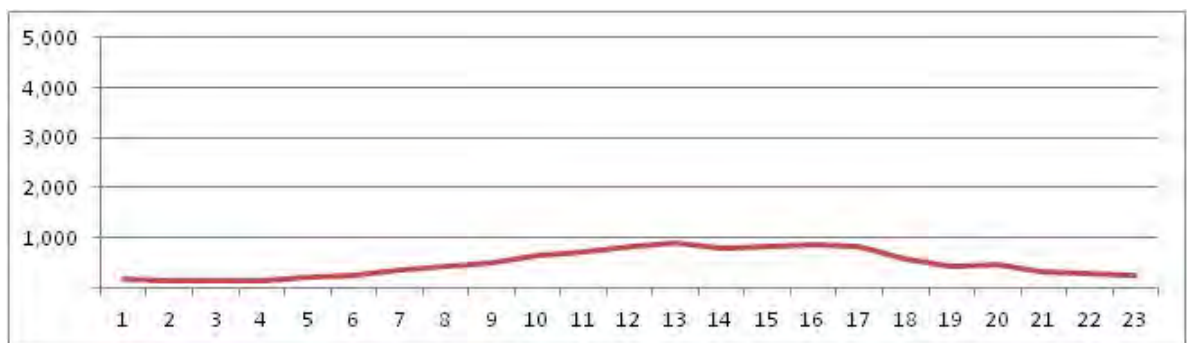
[Location]



[Weekday]

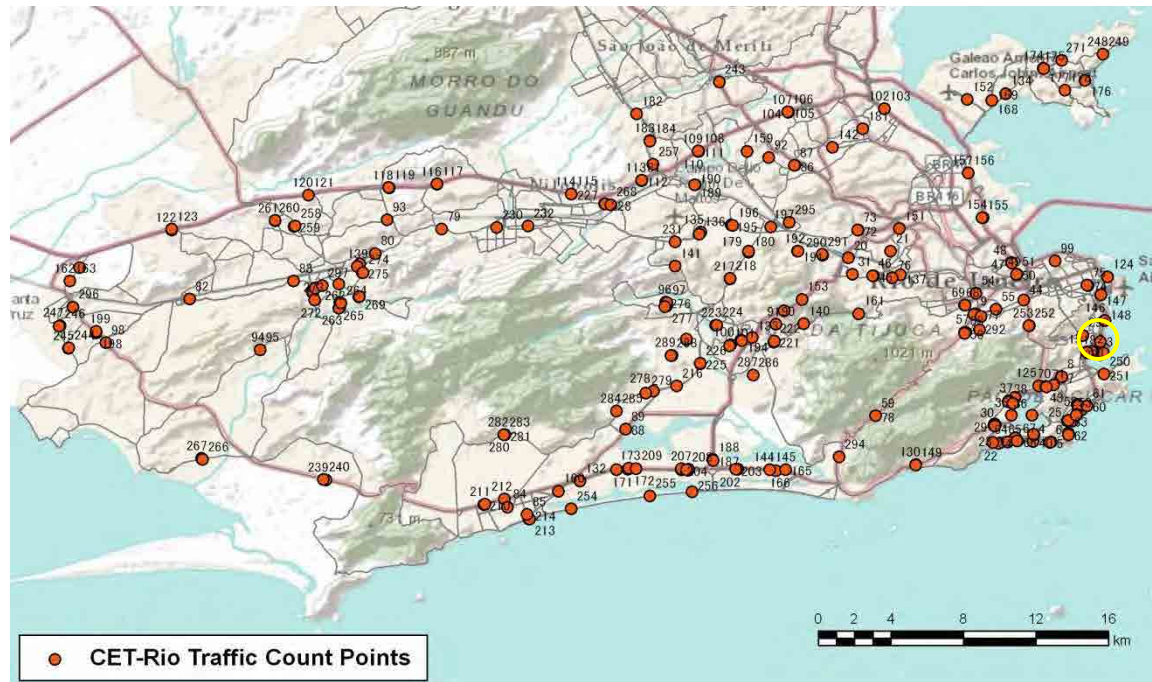


[Weekend]

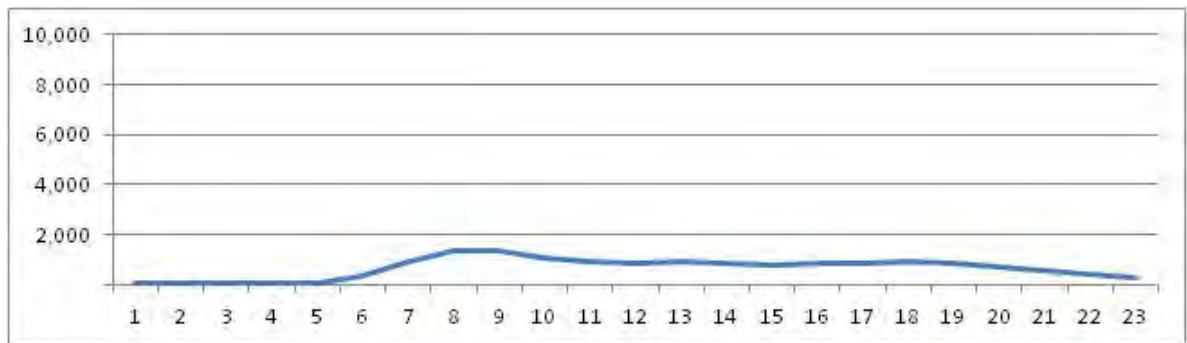


No.	Point	Towards
2	PraiaBotafogoproxpcMarinhaBrasil	Centro

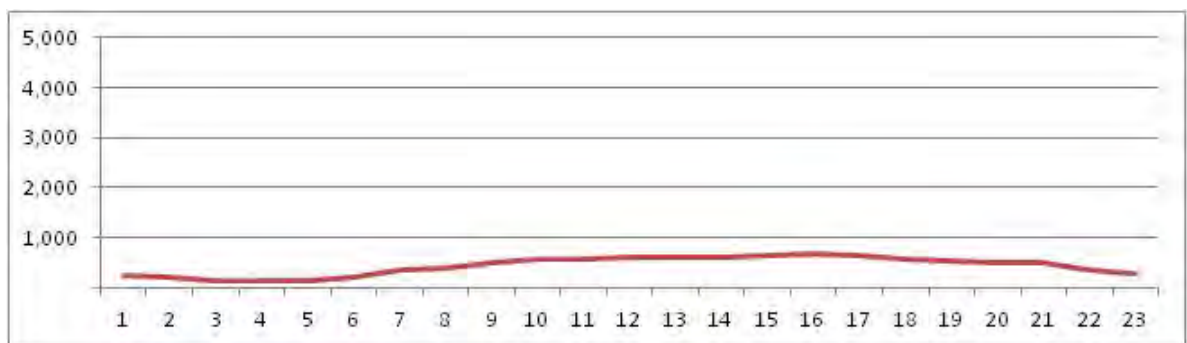
[Location]



[Weekday]

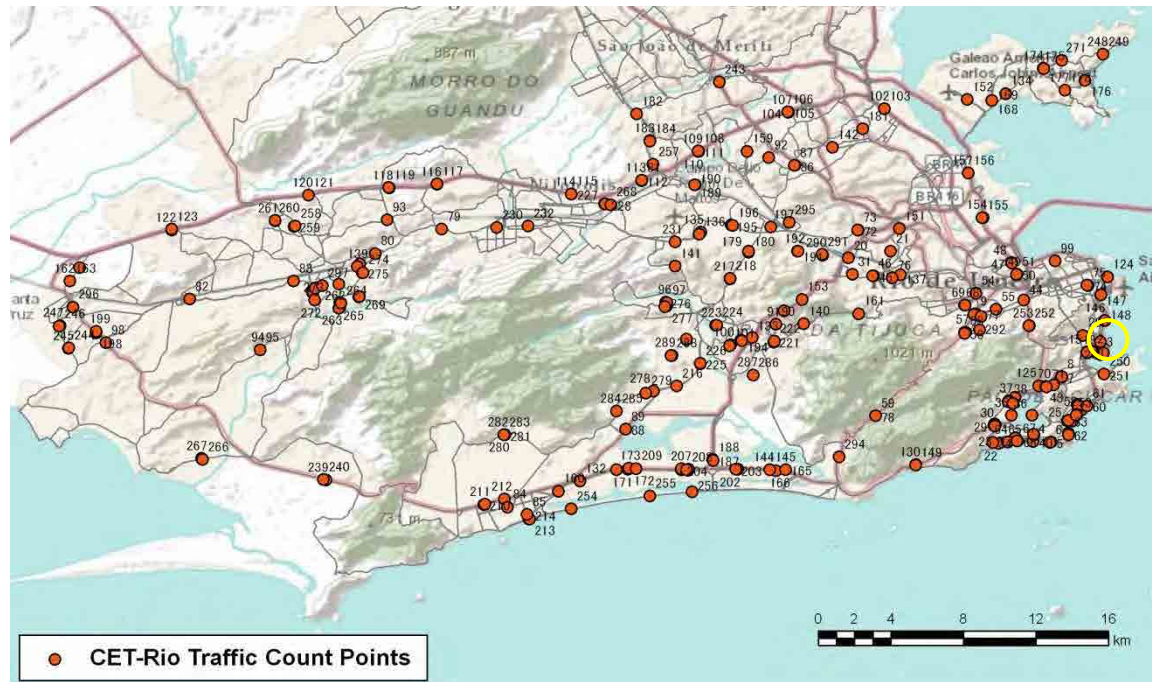


[Weekend]

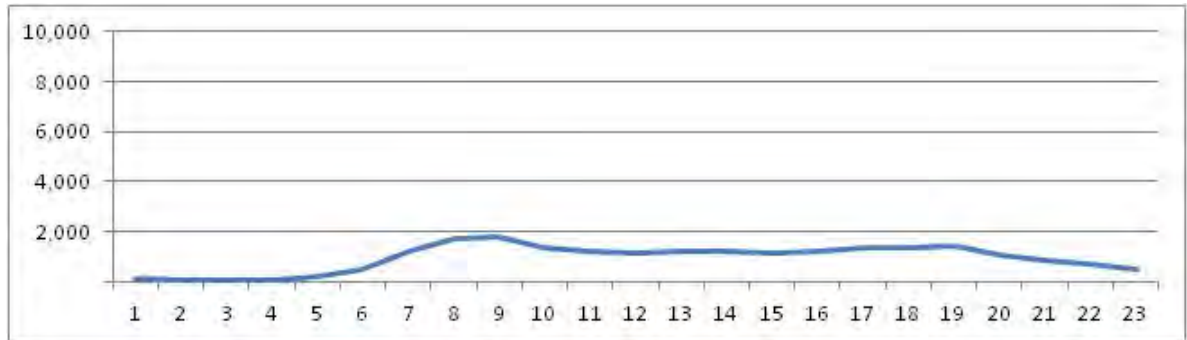


No.	Point	Towards
3	Av Rui Barbosa próx. Inst. Fernandes Figueira	

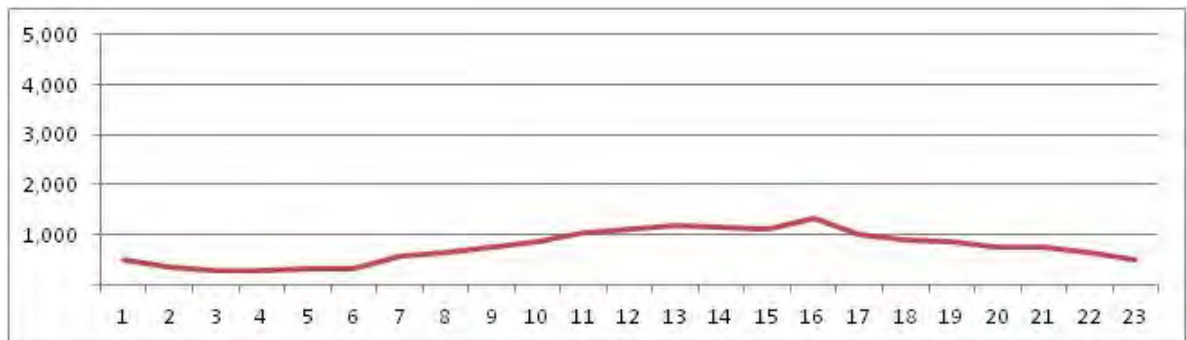
[Location]



[Weekday]

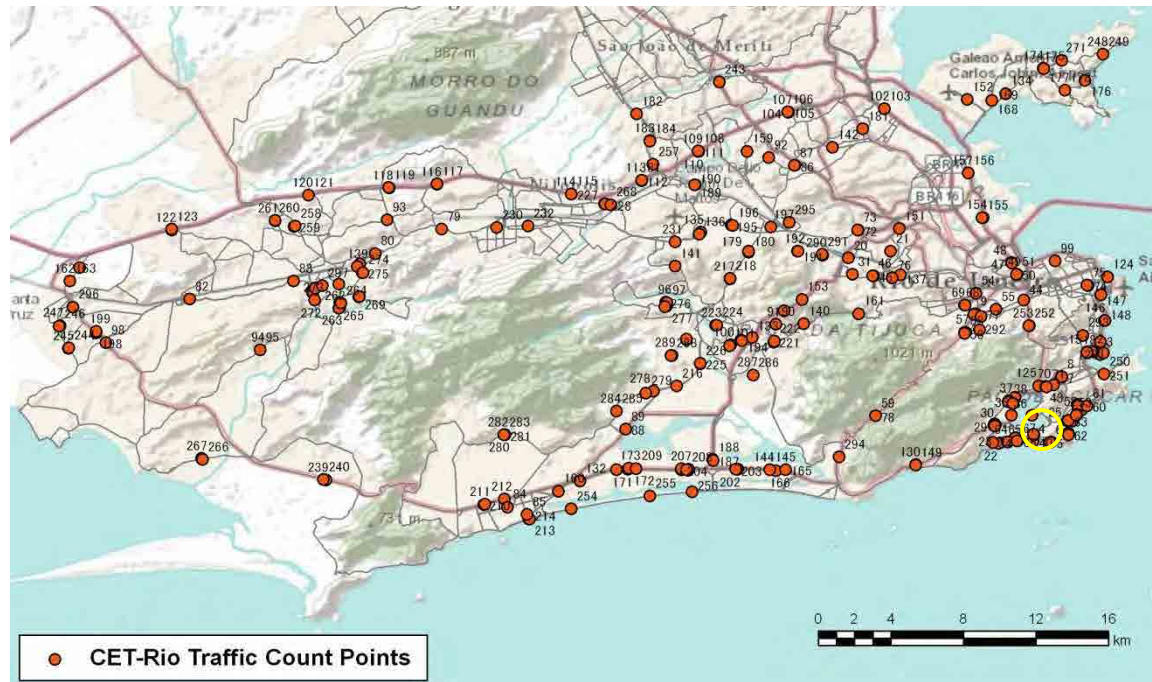


[Weekend]

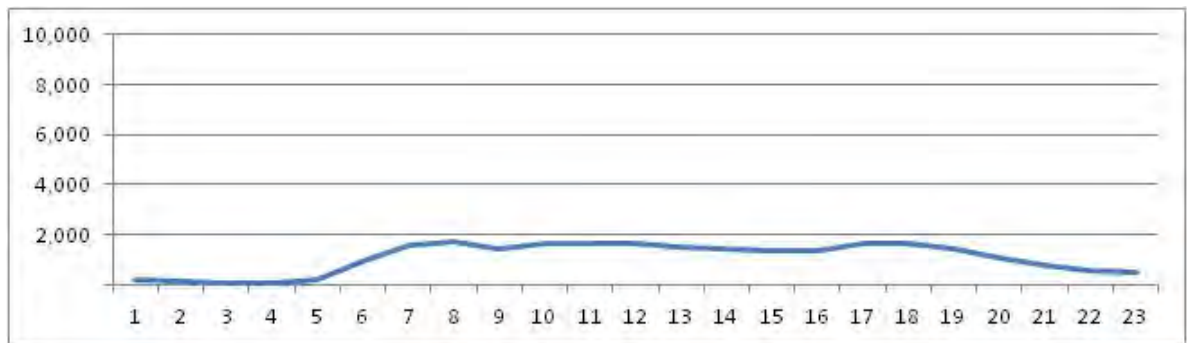


No.	Point	Towards
4	Av. Vieira Souto prox. n460	Copacabana

[Location]



[Weekday]



[Weekend]

