

Route	R102 - Mossel Bay
Terminals	R102 - Mossel Bay
Route Description	From City-Pacalsdorp continue to R102 and left into N2, from N2 right into R102 continue to City-Pacalsdorp

Estimated Passenger Demand								
TIME FRAME	Required Capacity at Mode Share				Required Trips at Mode Share			
	15%	30%	45%	60%	15%	30%	45%	60%
	Preferred Vehicle Capacity				Optimum Fleet			
04:00 - 05:00	0	0	0	0	0	0	0	0
05:00 - 06:00	0	0	0	0	0	0	0	0
06:00 - 07:00	7	15	22	30	1	2	3	2
07:00 - 08:00	25	50	75	99	2	3	2	3
08:00 - 09:00	5	11	16	21	1	2	3	2
09:00 - 10:00	1	1	2	3	1	1	1	1
10:00 - 11:00	0	0	0	0	1	1	1	1
11:00 - 12:00	0	0	0	1	1	1	1	1
12:00 - 13:00	1	1	2	2	1	1	1	1
13:00 - 14:00	3	6	9	12	1	1	1	1
14:00 - 15:00	12	23	35	47	1	2	3	2
15:00 - 16:00	3	5	8	10	1	1	1	1
16:00 - 17:00	6	11	17	23	1	1	2	2
17:00 - 18:00	11	21	32	43	1	2	3	2
18:00 - 19:00	4	7	11	14	1	1	1	2
19:00 - 20:00	1	2	3	4	1	1	1	1
20:00 - 21:00	0	0	1	1	1	1	1	1
21:00 - 22:00	0	0	0	0	1	1	1	1
22:00 - 23:00	0	0	0	1	1	1	1	1
23:00 - 00:00	0	0	0	0	1	1	1	1
00:00 - 01:00	0	0	0	0	0	0	0	0
Peak Demand	25	50	75	99	19	24	28	26

Preferred fleet	Veh. Cap	482.6	406.4	356.8	440.267
	Vehs	15	4	6	6
		45	0	0	2
		90	0	0	0
	Trips / Wk Day	15	19	24	27
		45	0	0	1
	90	0	0	0	
Km pa / veh	15	150572	126797	142647	166421
	45	0	0	15850	79248
	90	0	0	0	0

	Driver Hours			
	15%	30%	45%	60%
	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0
	2.2	4.4	6.6	4.4
	4.4	6.6	4.4	6.6
	2.2	4.4	6.6	4.4
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	4.4	6.6	4.4
	2.2	2.2	2.2	2.2
	2.2	2.2	4.4	4.4
	2.2	4.4	6.6	4.4
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	2.2	2.2	2.2	2.2
	0.0	0.0	0.0	0.0
Driver Hrs/day	42	53	62	57
Driver Hrs/week	300	380	440	400
Driver Hrs/yr	15,600	19,760	22,880	20,800
Drivers (min)	9	11	13	12
Drivers (prac.)	10	13	15	14
Drivers/veh	2.50	2.17	1.88	2.33

Work hours per driver year
1,880.00 @ 47 working weeks average p.a.

Operating Information				
Round Trip Route Length	102 km			
Stops		No.	Dwell	Total Dwell
	Terminal A	1	3	3
	No of Intermediate stops	0	0.5	0
	Terminal B	1	5	5
	No of Intermediate stops	0	0.5	0
	Total dwell time per cycle			8 Minutes
Travel Time				
	Estimated Travel Time at	60	km/h	102 Minutes
	Estimated Cycle Time (Hours)			1.83
Performance				
	Average Travel Speed			56 km/hr
	Effective Travel speed over full route excluding terminal time			60 km/hr

Note: Annual veh kms for this route only. Vehicle km will depend on deployment across all routes.
150571 126797 110947 137363

Target Headway (minutes) / Expected Minimum Headway / Vehicle Capacity (passengers)						
Time	Weekdays			Time	Saturdays	
06h00-09h00	30	20	Mixed	06h00-07h00	60	Mixed
09h00-16h00	55	55	Mixed	07h00-13h00	30	Mixed
16h00-18h00	30	30	Mixed	13h00-18h00	60	15
18h00-24h00	60	60	Mixed	18h00-24h00	60	15
24h00-06h00	Metered Taxi Service Only			24h00-06h00	Metered Taxi Service Only	
	Sundays and Public Holidays				Sundays and Public Holidays	
	Sundays				Public Holidays	
06h00-24h00	60	60	15		30/30/15	
24h00-06h00	Metered Taxi Service Only				Metered Taxi Service Only	
Notes	*Sunday timetables to be adapted to community needs. (e.g. Church)					



GEORGE MUNICIPALITY
& WESTERN CAPE PROVINCIAL ADMINISTRATION

GEORGE MOBILITY STRATEGY

ROUTE 109: R102- MOSSEL BAY