

# Route Optimization Analysis Report

Generated on: 7/7/2025 at 7:14:50 AM

## Overall Summary

Metric	Value
Total Routes	87
Unassigned Trips	49
Total Trips	609
Total Miles	11050
Total Revenue Miles	7904
Total Empty Miles	5288
Average Load %	7.65%
Total Ambulatory Passengers	1340
Total WC Passengers	179
Total Passengers	1519
Overall Passengers per Hour	1.71
Average Miles per Route	127
Average Passengers per Route	17

## Route Details

Vehicle	Start	End	Miles	Rev Miles	Empty	Load%	Pax	Pax/Hr	Total Duration	Wait Time
2638 (3A/1W)	06:54	18:00	132	38	103	7.16%	13A/2W	1.35	11:06	2:33
2591 (3A/1W)	08:03	19:20	124	69	76	13.91%	12A/4W	1.42	11:17	3:32
2639 (3A/1W)	07:33	17:56	112	85	46	19%	16A/3W	1.83	10:22	1:46
2634 (3A/1W)	07:38	17:49	134	117	53	21.75%	18A/3W	2.06	10:10	0:48
2590 (3A/1W)	07:12	18:09	146	44	110	7.6%	12A/0W	1.1	10:57	2:00
2462 (8A/2W)	08:13	18:25	117	58	66	4.97%	8A/0W	0.78	10:11	3:36
2605 (8A/2W)	07:59	18:47	125	107	40	8.61%	21A/3W	2.22	10:48	2:10
2563 (8A/2W)	07:27	17:10	118	85	59	7.2%	12A/8W	2.06	9:43	2:10
2429 (8A/2W)	07:40	18:41	157	121	78	7.72%	20A/0W	1.82	11:01	1:45
2466 (8A/2W)	07:32	18:15	122	85	54	6.95%	14A/2W	1.49	10:42	2:26
2427 (8A/2W)	07:53	18:25	133	80	70	6.05%	14A/4W	1.71	10:31	0:49
2431 (8A/2W)	08:31	19:09	77	54	42	7.04%	9A/2W	1.03	10:38	5:08
2509 (14A/2W)	07:56	19:56	142	147	65	6.51%	19A/2W	1.75	11:59	2:38
2440 (8A/2W)	07:09	17:14	132	193	29	14.63%	26A/2W	2.78	10:05	2:42
2436 (8A/2W)	07:57	18:27	142	77	74	5.45%	16A/0W	1.52	10:29	1:16
2460 (8A/2W)	07:47	19:10	137	57	90	4.15%	12A/2W	1.23	11:23	1:24
2607 (8A/2W)	07:45	18:28	86	107	39	12.37%	18A/6W	2.24	10:43	4:12
2433 (8A/2W)	07:59	19:52	104	49	61	4.68%	16A/0W	1.35	11:53	3:33
2468 (8A/2W)	07:30	15:18	94	79	34	8.38%	15A/0W	1.92	7:48	0:24
2555 (8A/2W)	07:55	18:34	149	160	52	10.77%	23A/0W	2.16	10:39	2:01
2438 (8A/2W)	07:57	19:56	152	97	71	6.42%	18A/4W	1.84	11:58	1:25
2434 (8A/2W)	07:44	16:32	126	43	83	3.42%	11A/2W	1.48	8:47	0:19
2435 (8A/2W)	07:32	18:50	130	148	36	11.41%	22A/0W	1.95	11:18	2:33
2510 (14A/2W)	07:45	19:42	175	103	83	3.66%	16A/0W	1.34	11:56	2:43
2507 (14A/2W)	07:55	18:57	122	121	55	10.77%	19A/2W	1.45	11:57	1:52

## Route Details (Page 2)

Vehicle	Start	End	Miles	Rev Miles	Empty	Load%	Pax	Pax/Hr	Total Duration	Wait Time
2557 (8A/2W)	07:24	16:53	154	90	71	5.81%	13A/4W	1.79	9:29	1:15
2471 (8A/2W)	07:28	17:01	153	115	58	7.48%	17A/5W	2.31	9:32	0:41
2397 (8A/2W)	07:48	19:39	156	138	63	8.86%	20A/4W	2.03	11:50	2:22
2467 (8A/2W)	07:26	18:50	83	56	34	6.7%	8A/0W	0.7	11:23	6:20
2439 (8A/2W)	08:45	17:48	143	237	34	16.55%	17A/6W	2.54	9:02	2:26
2641 (8A/2W)	08:15	15:54	70	76	24	10.95%	14A/2W	2.09	7:38	2:10
2553 (8A/2W)	06:38	16:06	136	143	46	10.46%	25A/0W	2.64	9:27	0:16
2560 (8A/2W)	08:31	18:37	136	58	87	4.28%	10A/4W	1.39	10:05	2:37
2625 (8A/2W)	07:46	17:25	122	58	75	4.77%	10A/7W	1.76	9:39	0:33
2478 (8A/2W)	07:48	17:13	134	11	122	0.84%	8A/0W	0.85	9:24	1:06
2475 (8A/2W)	07:45	18:49	147	66	95	4.46%	10A/3W	1.17	11:03	2:32
2556 (8A/2W)	07:57	19:48	124	61	74	4.91%	14A/5W	1.6	11:51	2:43
2624 (8A/2W)	07:49	19:00	124	62	68	5.01%	14A/0W	1.25	11:11	3:33
2569 (8A/2W)	07:36	16:20	130	57	82	4.34%	14A/0W	1.6	8:44	1:12
2551 (8A/2W)	07:42	19:18	133	76	72	5.67%	13A/2W	1.29	11:35	3:37
2554 (8A/2W)	08:32	16:29	157	128	51	8.14%	14A/0W	1.76	7:56	0:30
2606 (8A/2W)	07:37	16:23	100	51	66	5.09%	8A/6W	1.6	8:46	1:19
2457 (8A/2W)	07:42	17:46	126	126	56	10.05%	20A/2W	2.18	10:04	1:38
2458 (8A/2W)	07:45	19:03	123	124	52	10.11%	26A/3W	2.57	11:17	2:13
2393 (8A/2W)	08:30	19:08	148	98	66	6.65%	14A/0W	1.32	10:38	0:51
2473 (8A/2W)	07:46	18:07	127	68	73	5.34%	19A/2W	2.03	10:21	2:31
2568 (8A/2W)	07:50	16:48	138	59	79	4.29%	9A/0W	1.01	8:57	0:57
2461 (8A/2W)	07:09	17:44	90	54	43	6.03%	14A/0W	1.32	10:34	4:21
2390 (8A/2W)	07:55	19:27	159	168	38	10.54%	26A/2W	2.43	11:31	0:31
2464 (8A/2W)	08:16	19:10	120	98	41	8.19%	20A/3W	2.11	10:54	3:04
2566 (8A/2W)	08:07	17:47	125	155	34	12.44%	23A/2W	2.59	9:39	1:27
2474 (8A/2W)	08:04	16:40	159	102	87	6.46%	8A/6W	1.63	8:35	0:37
2469 (8A/2W)	07:48	19:41	101	65	37	6.43%	10A/2W	1.01	11:53	5:00
2565 (8A/2W)	07:24	16:28	98	69	42	7.05%	19A/2W	2.32	9:03	1:33
2463 (8A/2W)	07:26	19:01	161	98	78	6.07%	16A/2W	1.55	11:35	2:51
2479 (8A/2W)	07:52	19:39	149	127	53	8.48%	19A/2W	1.78	11:46	2:18
2396 (8A/2W)	07:01	17:20	180	190	69	10.54%	20A/2W	2.13	10:18	0:55

## Route Details (Page 3)

Vehicle	Start	End	Miles	Rev Miles	Empty	Load%	Pax	Pax/Hr	Total Duration	Wait Time
2465 (8A/2W)	07:36	19:28	168	71	108	4.23%	16A/2W	1.52	11:51	1:32
2508 (14A/2W)	07:20	18:09	104	65	55	3.89%	10A/4W	1.29	10:49	4:27
2395 (8A/2W)	07:04	18:53	173	91	93	5.23%	15A/0W	1.27	11:49	2:10
2511 (14A/2W)	07:41	16:59	119	82	70	4.29%	17A/0W	1.83	9:18	0:16
2517 (14A/2W)	07:36	18:58	121	83	67	4.29%	21A/2W	2.02	11:21	3:07
2391 (8A/2W)	07:18	13:46	85	30	59	3.57%	12A/0W	1.86	6:27	0:23
2348 (4A/0W)	08:17	19:40	104	86	39	20.82%	12A/0W	1.05	11:23	5:30
2349 (4A/0W)	07:41	15:28	86	36	50	10.45%	8A/0W	1.03	7:46	1:51
2351 (4A/0W)	07:29	15:47	109	33	82	7.56%	8A/0W	0.97	8:17	1:11
2423 (8A/2W)	07:46	16:57	98	53	52	5.44%	14A/3W	1.85	9:11	0:36
2503 (8A/2W)	07:32	18:47	145	105	50	7.26%	19A/7W	2.31	11:14	1:25
2601 (8A/2W)	07:56	15:53	113	81	32	7.16%	10A/0W	1.26	7:57	0:50
2571 (8A/2W)	08:59	19:41	77	78	30	10.11%	18A/0W	1.68	10:41	4:00
2499 (8A/2W)	07:56	18:40	99	183	21	18.41%	27A/0W	2.52	10:43	2:13
2487 (8A/2W)	07:43	16:04	103	69	57	6.67%	20A/0W	2.39	8:21	0:07
2489 (8A/2W)	07:46	19:18	189	100	111	5.26%	18A/2W	1.73	11:32	0:59
2421 (8A/2W)	09:02	16:14	54	45	21	8.3%	8A/4W	1.67	7:11	1:28
2603 (8A/2W)	07:50	19:00	192	218	42	11.37%	18A/2W	1.79	11:10	2:59
2573 (8A/2W)	07:27	19:08	198	148	83	7.47%	18A/3W	1.8	11:40	1:05
2495 (8A/2W)	08:27	18:36	124	86	71	6.89%	20A/2W	2.17	10:09	1:30
2493 (8A/2W)	07:48	15:36	92	53	51	5.84%	17A/0W	2.18	7:48	0:09
2494 (8A/2W)	08:06	15:25	93	49	49	5.25%	16A/0W	2.19	7:18	1:11
2602 (8A/2W)	07:58	14:53	127	96	53	7.51%	12A/2W	2.02	6:54	0:00

## Vehicle Capacity Summary

Vehicle ID	Ambulatory Slots	WC Slots	Total Capacity
2348	4	0	4
2349	4	0	4
2351	4	0	4
2390	8	2	10
2391	8	2	10
2393	8	2	10
2395	8	2	10
2396	8	2	10
2397	8	2	10
2421	8	2	10
2423	8	2	10
2427	8	2	10
2429	8	2	10
2431	8	2	10
2433	8	2	10
2434	8	2	10
2435	8	2	10
2436	8	2	10
2437	8	2	10
2438	8	2	10
2439	8	2	10
2440	8	2	10
2457	8	2	10
2458	8	2	10
2460	8	2	10
2461	8	2	10
2462	8	2	10
2463	8	2	10
2464	8	2	10
2465	8	2	10
2466	8	2	10
2467	8	2	10
2468	8	2	10
2469	8	2	10
2471	8	2	10
2472	8	2	10
2473	8	2	10
2474	8	2	10
2475	8	2	10
2476	8	2	10
2478	8	2	10
2479	8	2	10
2487	8	2	10
2489	8	2	10
2493	8	2	10
2494	8	2	10
2495	8	2	10
2499	8	2	10
2503	8	2	10
2507	14	2	16
2508	14	2	16
2509	14	2	16
2510	14	2	16
2511	14	2	16
2517	14	2	16
2551	8	2	10
2553	8	2	10
2554	8	2	10
2555	8	2	10

