

Presentation of Atomic City Transit S RTP IR1 to the Transportation Board

Existing Conditions and Transit Review





Transit Plan Objectives

- 5-Year Business Plan for the transit agency
- How have transit conditions changed?
- How is Atomic City Transit performing?
- What are potential improvements to the transit system over the next 5 years?

Population Characteristics

Table 20: Los Alamos County Relative Transit Needs by Census Tract

Census Tract	Census Block Group	Square Miles (1)	Area Description	Total Population	Total Households	Youth per Sq. Mi.	Rank	Seniors per Sq. Mi.	Rank	Low Income per Sq. Mi.	Rank	Disabled per Sq. Mi.	Rank	Zero Vehicle Households per Sq. Mi.	Rank	Overall Score	Final Rank
1	1	4.3	Santa Fe National Forest; Northeast Los Alamos County	1,212	490	58.2	1	62.5	1	6.9	1	22.6	1	0.0	1	5	1
1	2	1.4	Los Alamos - Northeast	861	353	105.2	1	136.4	1	0.0	1	50.6	1	12.3	1	5	1
1	3	1.5	Los Alamos - Central East	1,809	693	181.5	1	186.2	2	69.6	2	100.0	1	4.8	1	7	2
2	1	16.7	Los Alamos - Central West	1,071	494	16.7	1	1.9	1	4.1	1	5.1	1	0.6	1	5	1
2	2	0.4	Los Alamos - North	1,195	364	717.5	3	516.4	3	77.0	2	234.4	3	0.0	1	12	3
2	3	0.5	Los Alamos - Southwest	1,537	687	303.6	1	750.6	5	0.0	1	229.0	3	22.6	2	12	3
2	4	1.7	Sante Fe National Forest; Northwest Los Alamos County	1,569	688	184.0	1	213.5	2	33.6	1	73.1	1	0.0	1	6	2
4	1	1.1	Los Alamos - Southeast	731	401	54.8	1	141.6	1	0.0	1	57.5	1	0.0	1	5	1
4	2	0.2	Los Alamos - Central	1,000	488	851.2	3	366.1	3	45.8	2	393.6	4	4.6	1	13	3
4	3	1.8	Los Alamos National Laboratory	768	427	18.1	1	92.8	1	11.0	1	36.3	1	0.0	1	5	1
4	4	0.6	Los Alamos - Central South	1,326	729	122.2	1	298.4	2	211.1	5	181.0	2	0.0	1	11	3
5	1	0.3	White Rock - Northern Region	527	244	162.6	1	223.1	2	98.3	3	181.3	2	0.0	1	9	3
5	2	0.1	White Rock - Central East	875	327	1759.5	5	901.2	5	0.0	1	569.5	5	0.0	1	17	3
5	3	1.7	White Rock - East	1,505	446	202.9	1	131.7	1	38.2	1	80.5	1	0.0	1	5	1
5	4	2.6	South of NM State Road 4	763	325	7.8	1	113.3	1	2.7	1	27.1	1	0.0	1	5	1
5	5	0.4	White Rock - West	945	292	595.8	2	340.8	2	0.0	1	194.1	2	0.0	1	8	2
5	6	0.2	White Rock - Central West	1,282	445	1285.4	4	784.0	5	159.5	4	531.8	5	82.0	5	23	5
Total County				18,976	7,893	Attachment A											

Source: US Census American Community Survey, 2020

Note 1: Excludes National Forest and LANL property where there are no residential areas.

Review of Transit Services

Figure 8: ACT Annual Ridership History by Type of Service

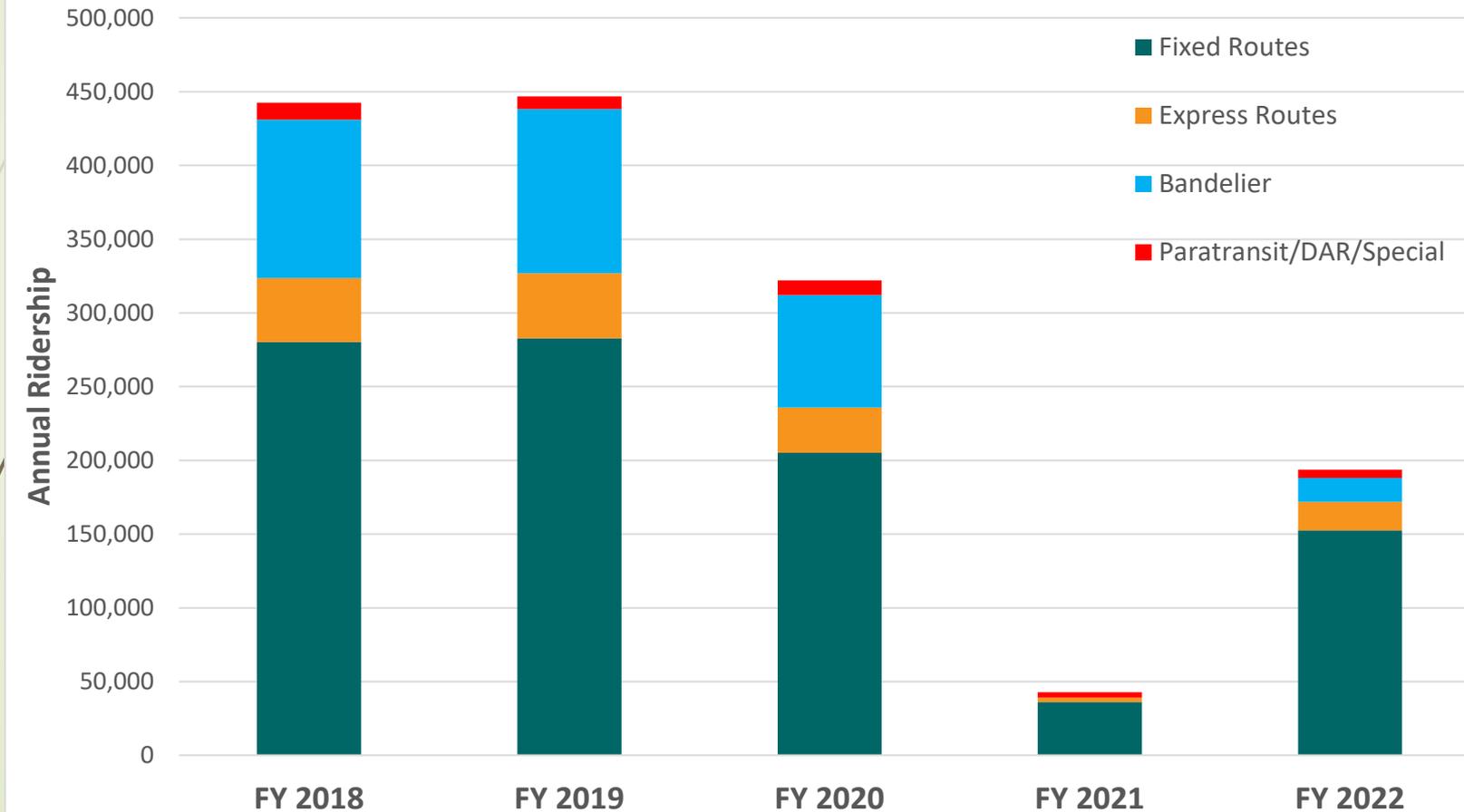


Figure 9: ACT Monthly Ridership by Route
April 2021 to March 2022

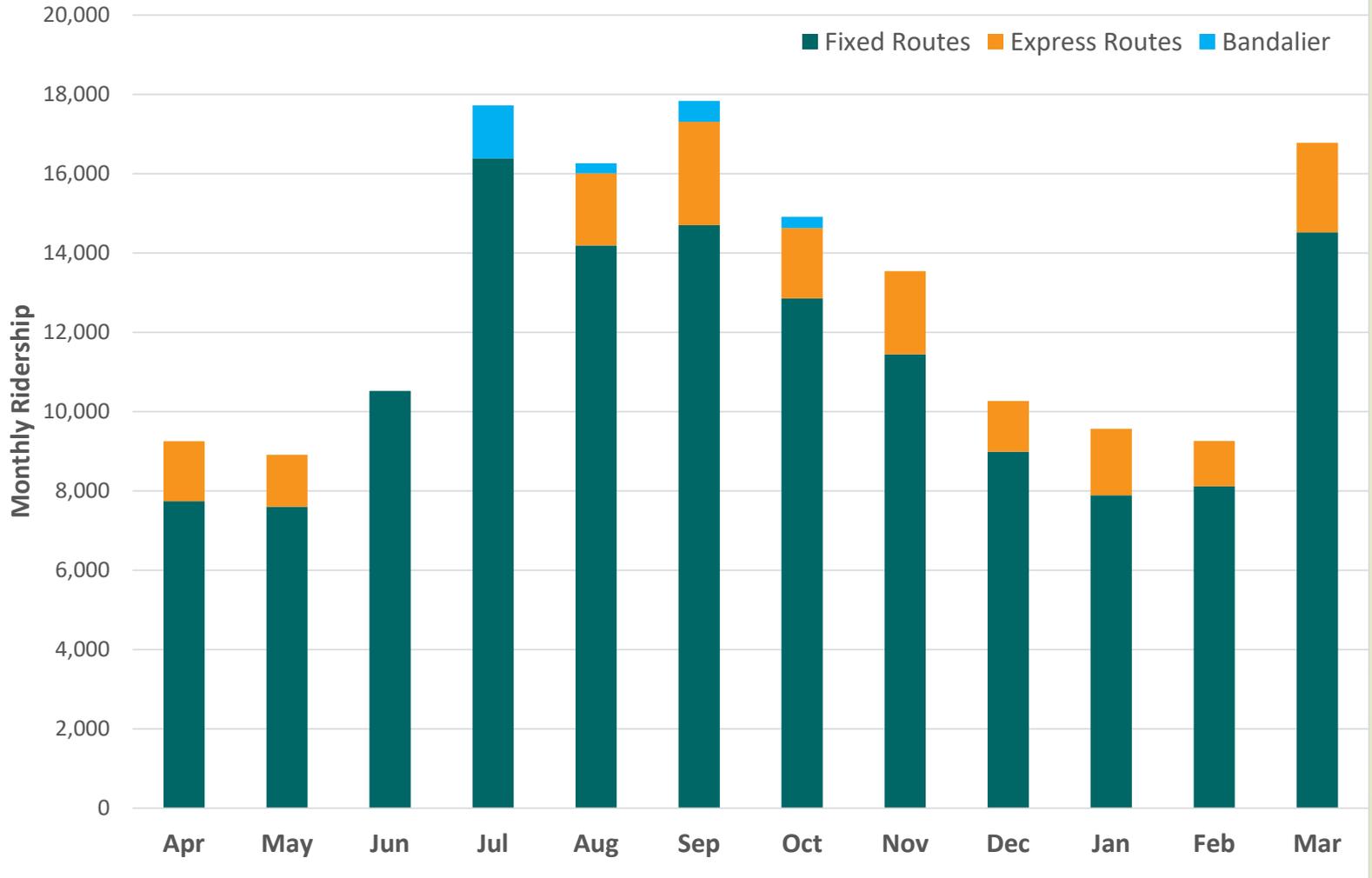


Figure 11: Average Daily Ridership by Route and Hour - July 2021

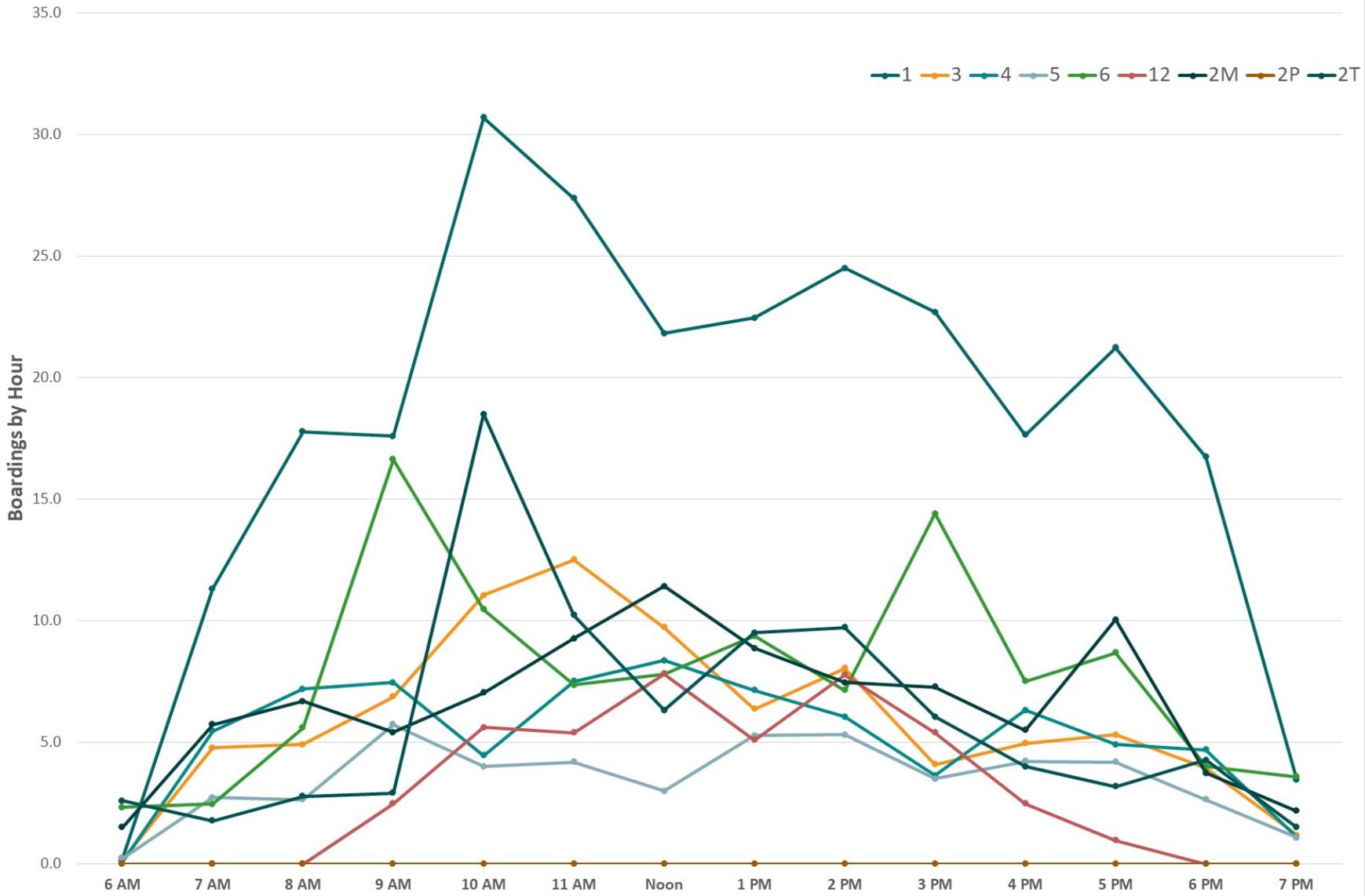


Figure 10: Average Daily Ridership by Route and Hour - March 2022

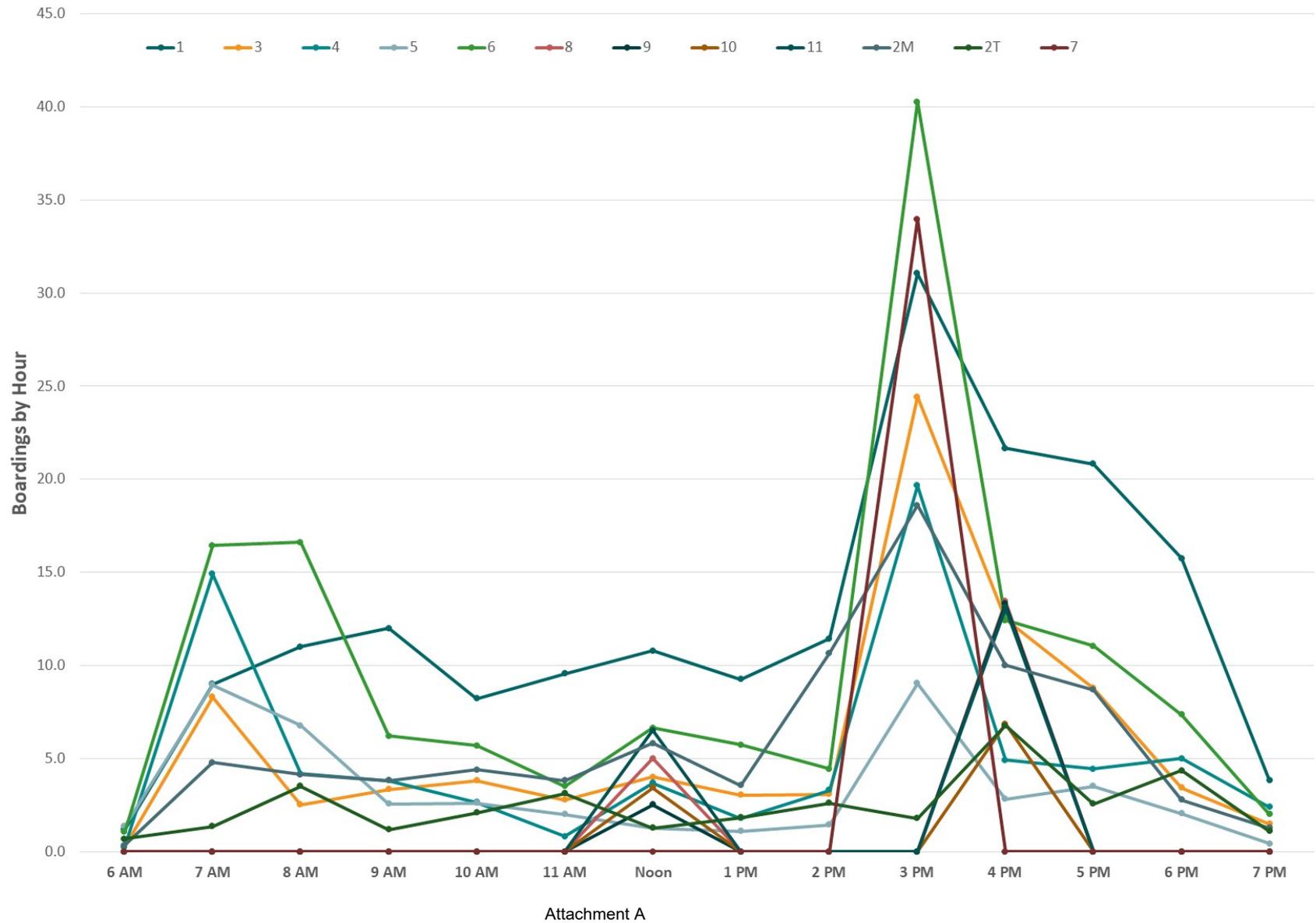


Table 10: Ridership by Route and Hour

March 2022

Route	Trip Start Time														Average Daily Trips
	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	Noon	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	
1	27	207	253	276	189	220	248	213	263	714	498	479	362	88	288
3	6	191	58	77	88	64	92	70	71	562	287	202	79	34	134
4	6	343	96	88	61	19	85	41	76	452	113	102	115	55	118
5	31	206	156	59	60	46	29	25	33	208	65	81	47	10	75
6	24	378	382	143	131	81	153	132	102	926	286	254	169	46	229
8	0	0	0	0	0	0	115	0	0	0	309	0	0	0	30
9	0	0	0	0	0	0	58	0	0	0	306	0	0	0	26
10	0	0	0	0	0	0	79	0	0	0	158	0	0	0	17
11	0	0	0	0	0	0	150	0	0	0	301	0	0	0	32
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2M	8	110	95	88	101	88	134	82	245	428	230	200	64	29	136
2P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2T	16	31	81	27	48	72	29	42	60	41	156	59	100	25	56
7A	0	0	0	0	0	0	0	0	0	116	0	0	0	0	8
7B	0	0	0	0	0	0	0	0	0	665	0	0	0	0	48
7C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	118	1,466	1,121	758	678	590	1,172	605	850	4,112	2,709	1,377	936	287	1,199

Source: LSC Transportation Consultants, Inc.

Table 12: Ridership by Passenger Type by Route

July 2017 to March 2022

Route / Service Name		Percent of Boardings by Passenger Type					
		Adult	Student	Senior	ADA	Bike	Lift
1	Downtown Circulator	56%	37%	5%	1%	1%	0%
2M	White Rock via Main Hill	42%	50%	5%	2%	1%	0%
2P	White Rock via Truck Route	57%	32%	3%	6%	3%	0%
2T	White Rock via Truck Route	48%	43%	5%	1%	2%	1%
3	Canyon & Central	48%	46%	3%	1%	1%	0%
4	North Community	40%	55%	3%	1%	1%	0%
5	Barranca Mesa	40%	51%	6%	1%	2%	0%
6	North Mesa	32%	63%	2%	1%	1%	0%
7A	North Mesa Express	2%	98%	0%	0%	0%	0%
7B	North Mesa Express	2%	98%	0%	0%	0%	0%
7C	North Mesa Express	5%	94%	0%	1%	0%	0%
8	North Community Express	4%	95%	0%	1%	0%	0%
9	Aspen Area Express	15%	80%	0%	4%	0%	0%
10	Barranca Mesa Express	7%	92%	0%	1%	0%	0%
11	White Rock Express	4%	95%	0%	1%	0%	0%
12	Bandelier	56%	11%	10%	6%	3%	14%
	Fixed Routes Subtotal	44%	49%	4%	1%	1%	0%
	Express Routes Subtotal	6%	92%	0%	1%	0%	0%
	System Total	43%	46%	5%	2%	1%	3%

Atomic City Transit Performance

Figure 12: FY 2022 Passengers per Vehicle-Hour by Service

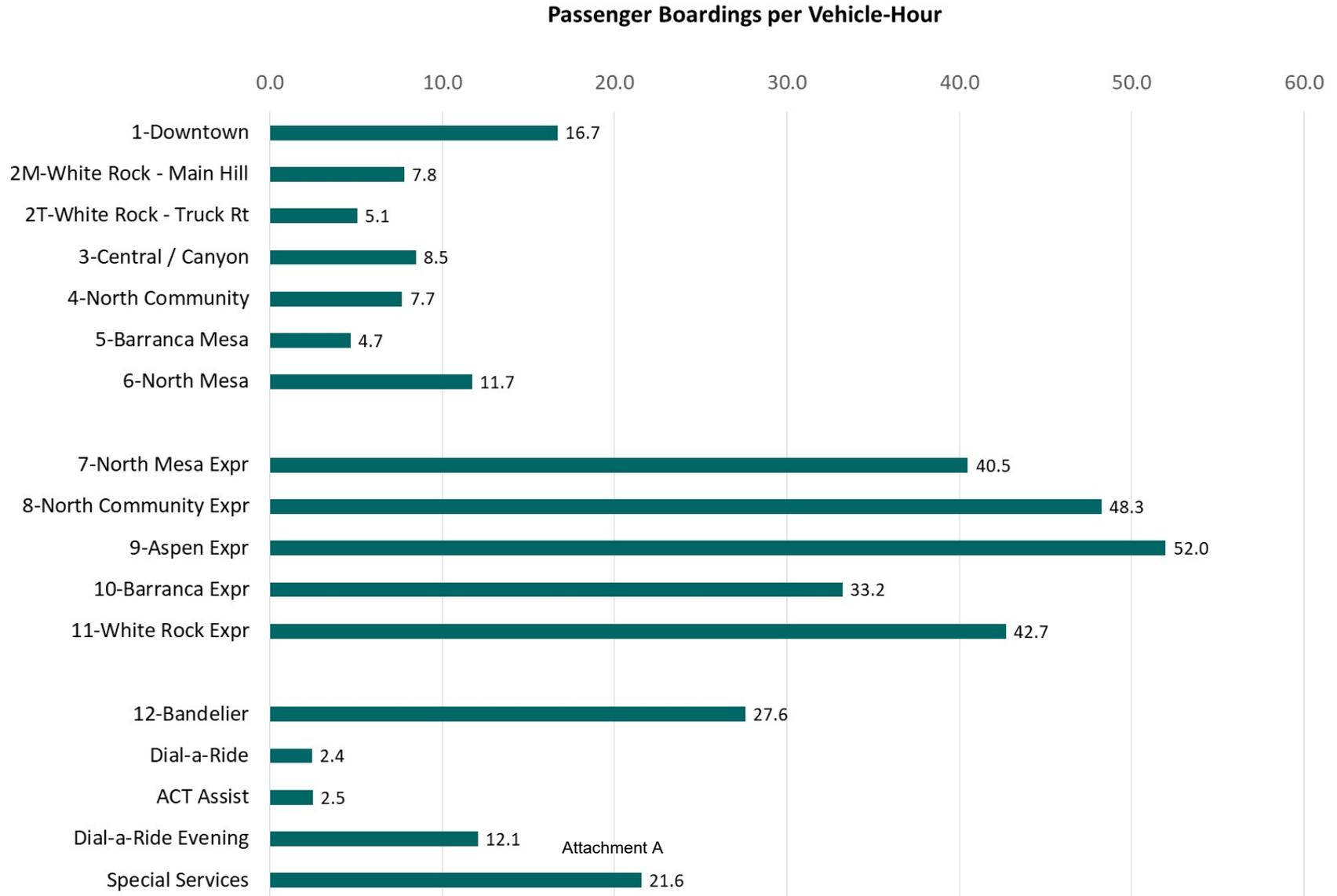


Figure 14: FY 2022 Cost per Passenger by Service

Marginal Operating Cost per Passenger Boarding

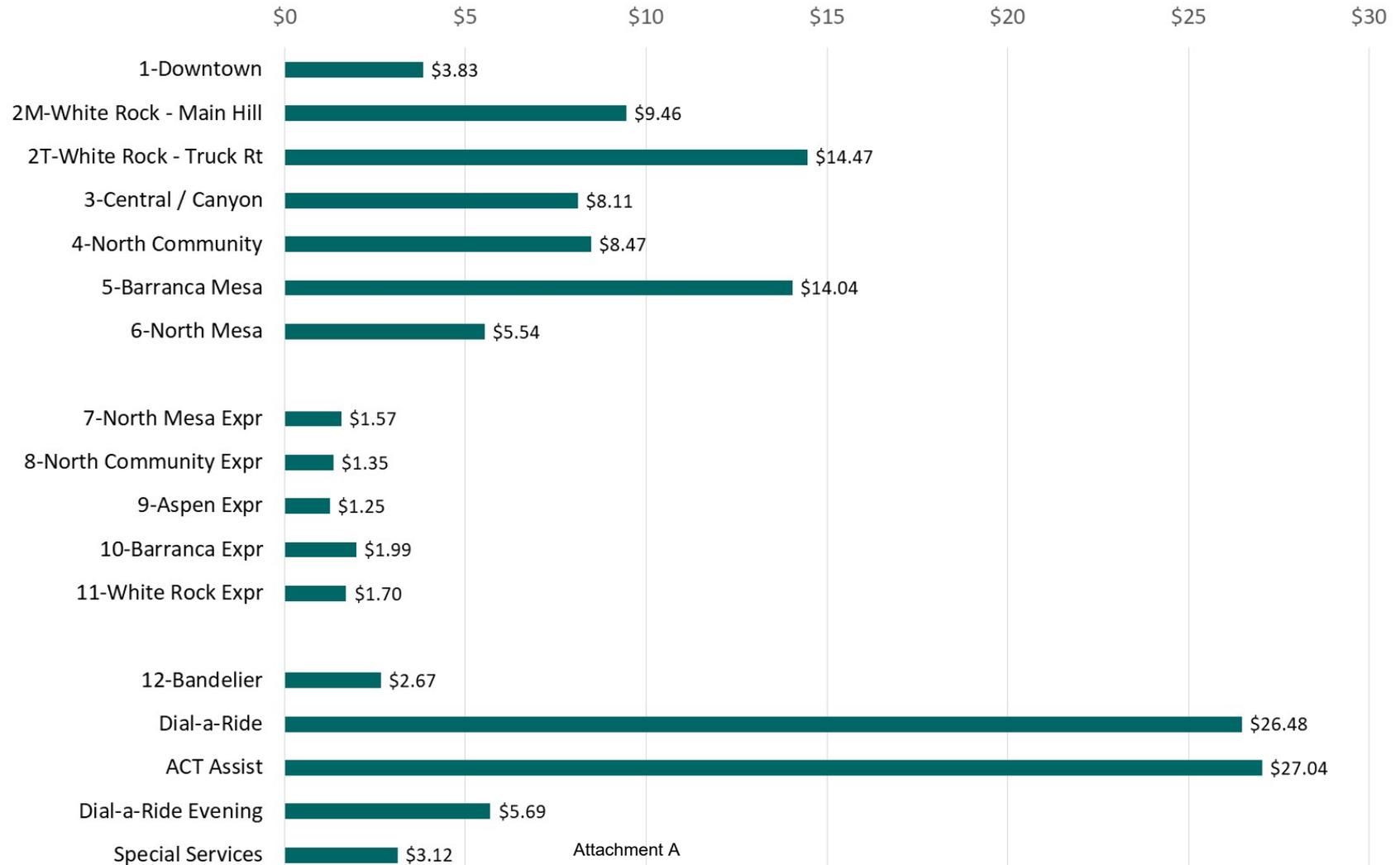
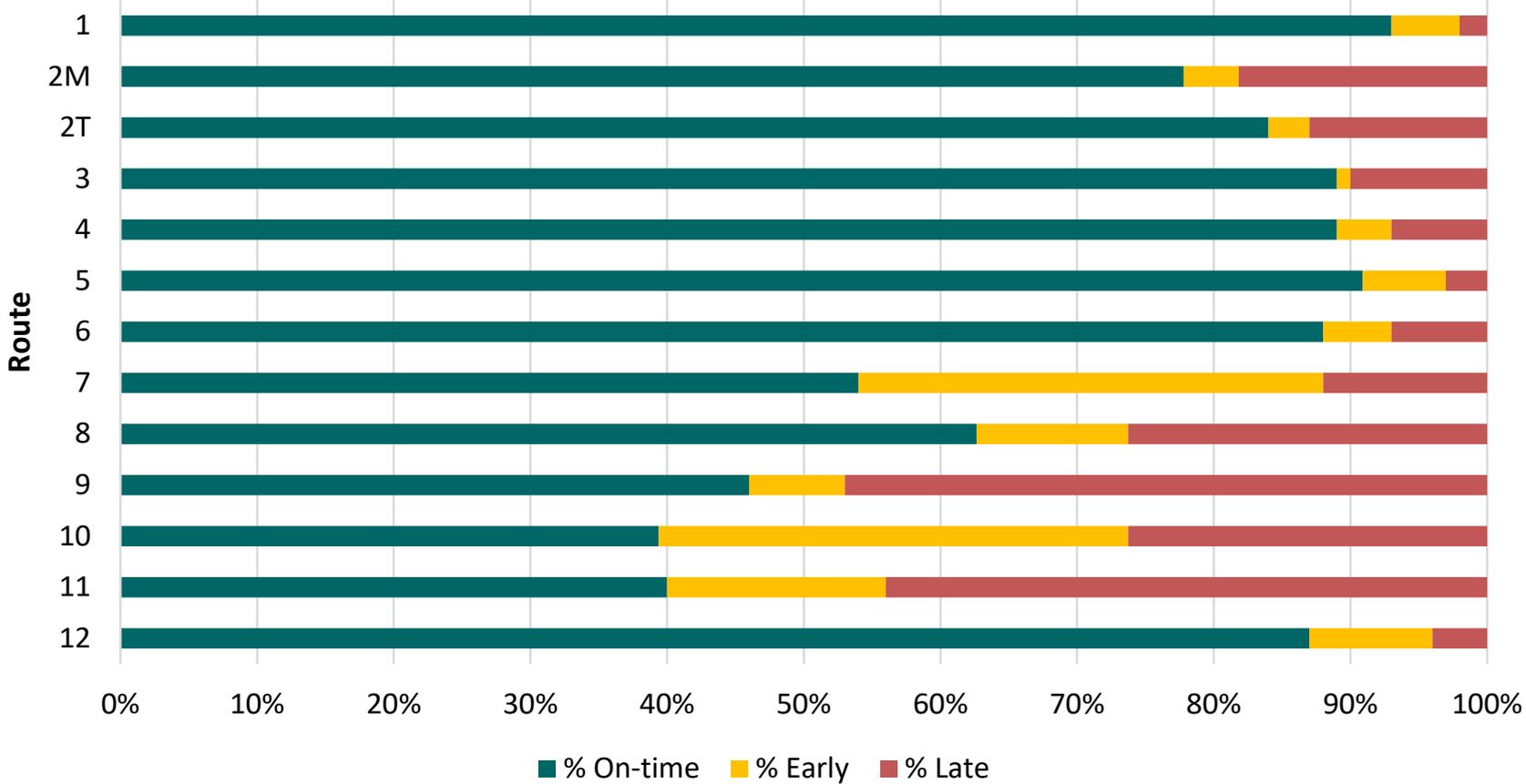


Figure 15: Atomic City Transit On-Time Performance by Route

April 18, 2021 - April 17, 2022



On-board Surveys

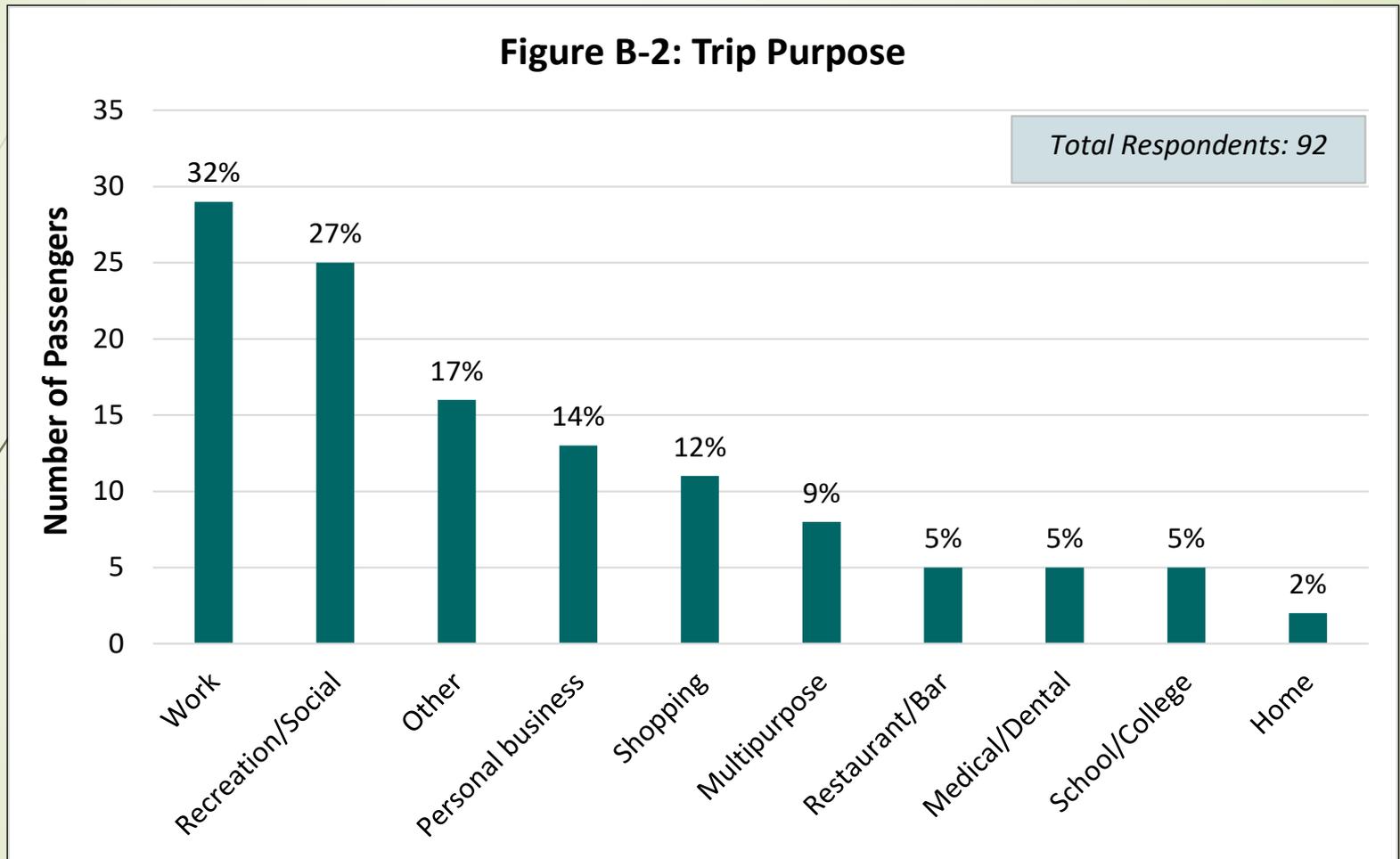


Figure B-4: Passenger Opinions on ACT Service

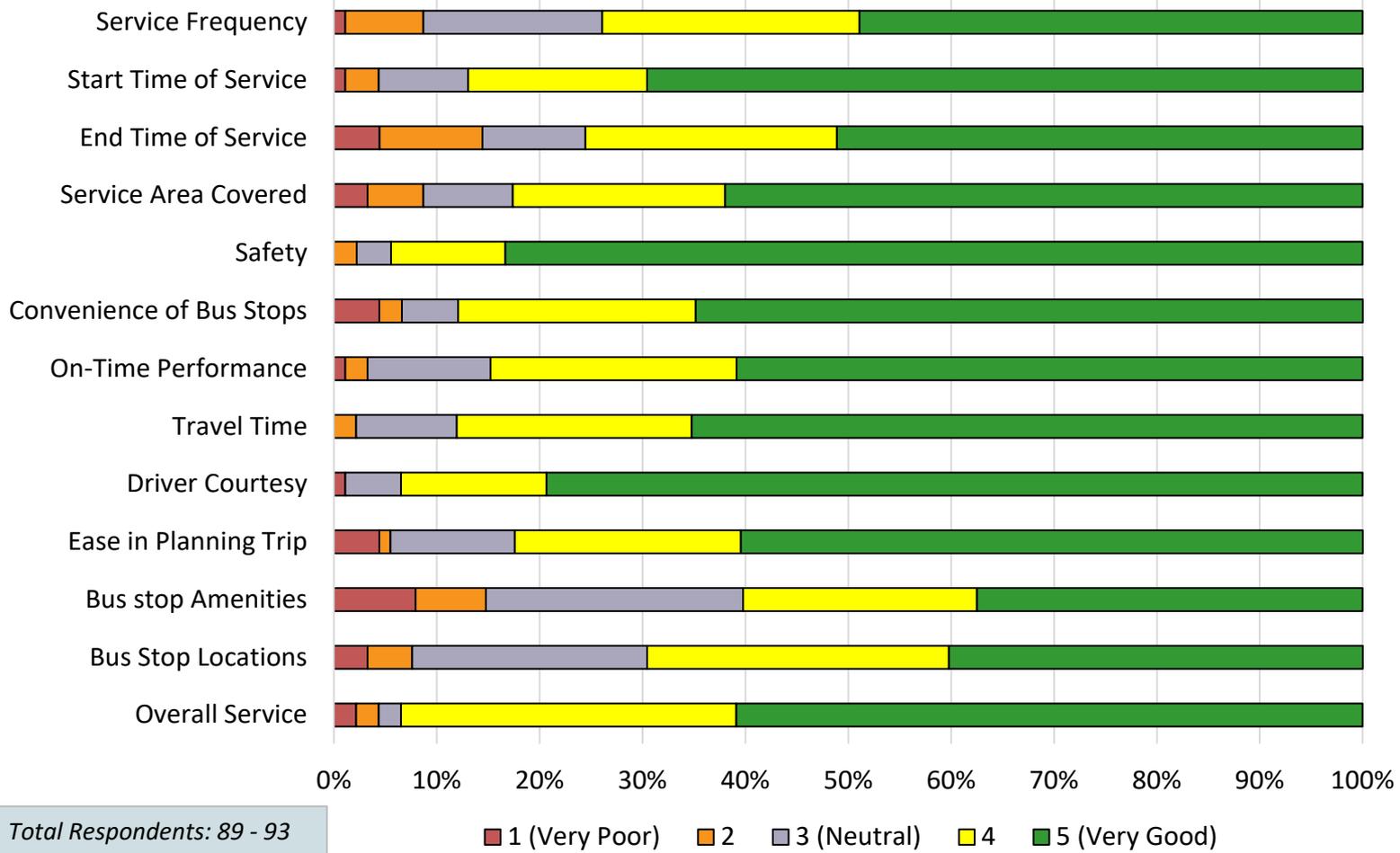
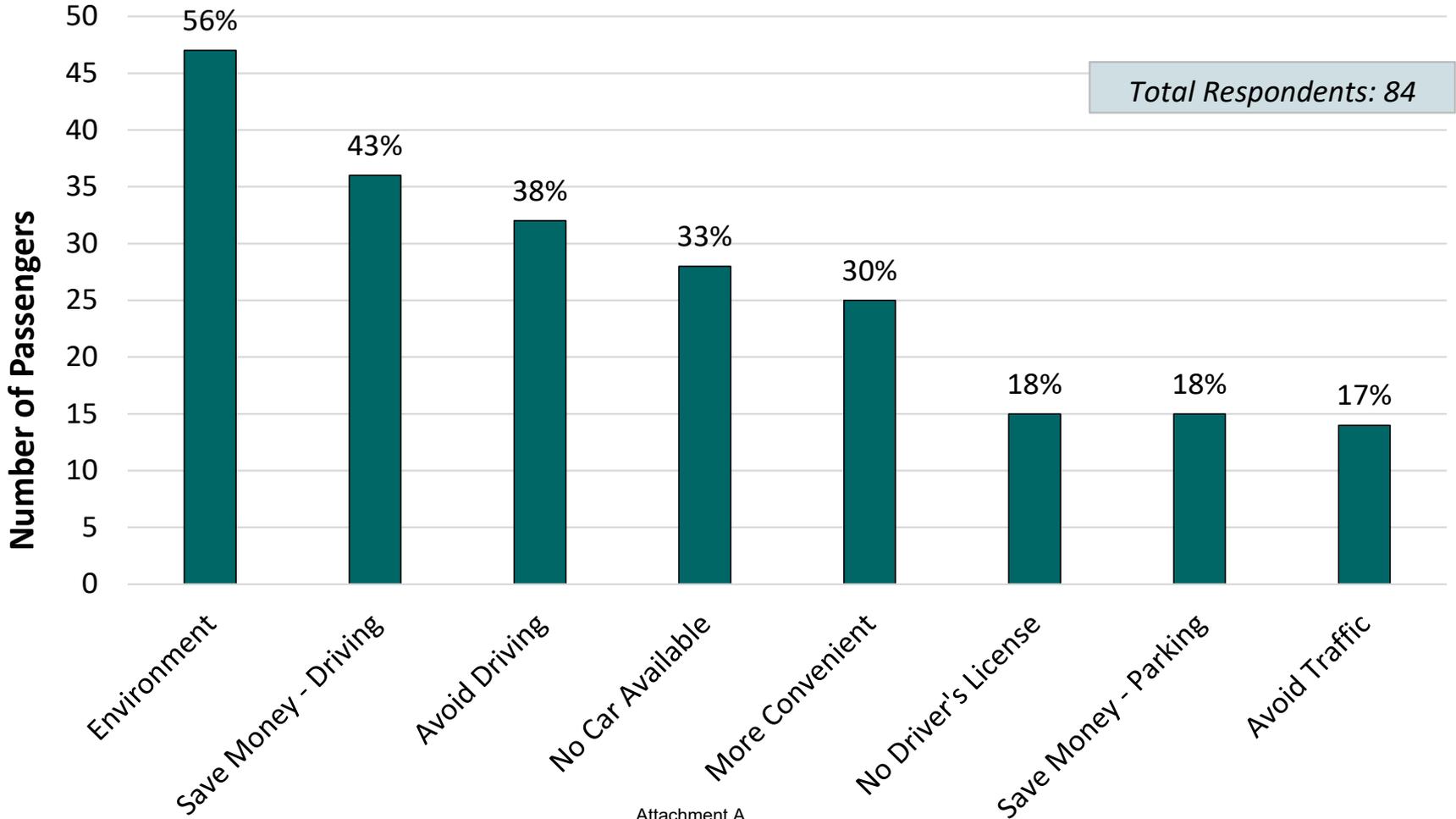


Figure B-11: Top Motivations for Riding ACT Services



Community Survey

Figure C-3: Top Motivations for Riding ACT Services

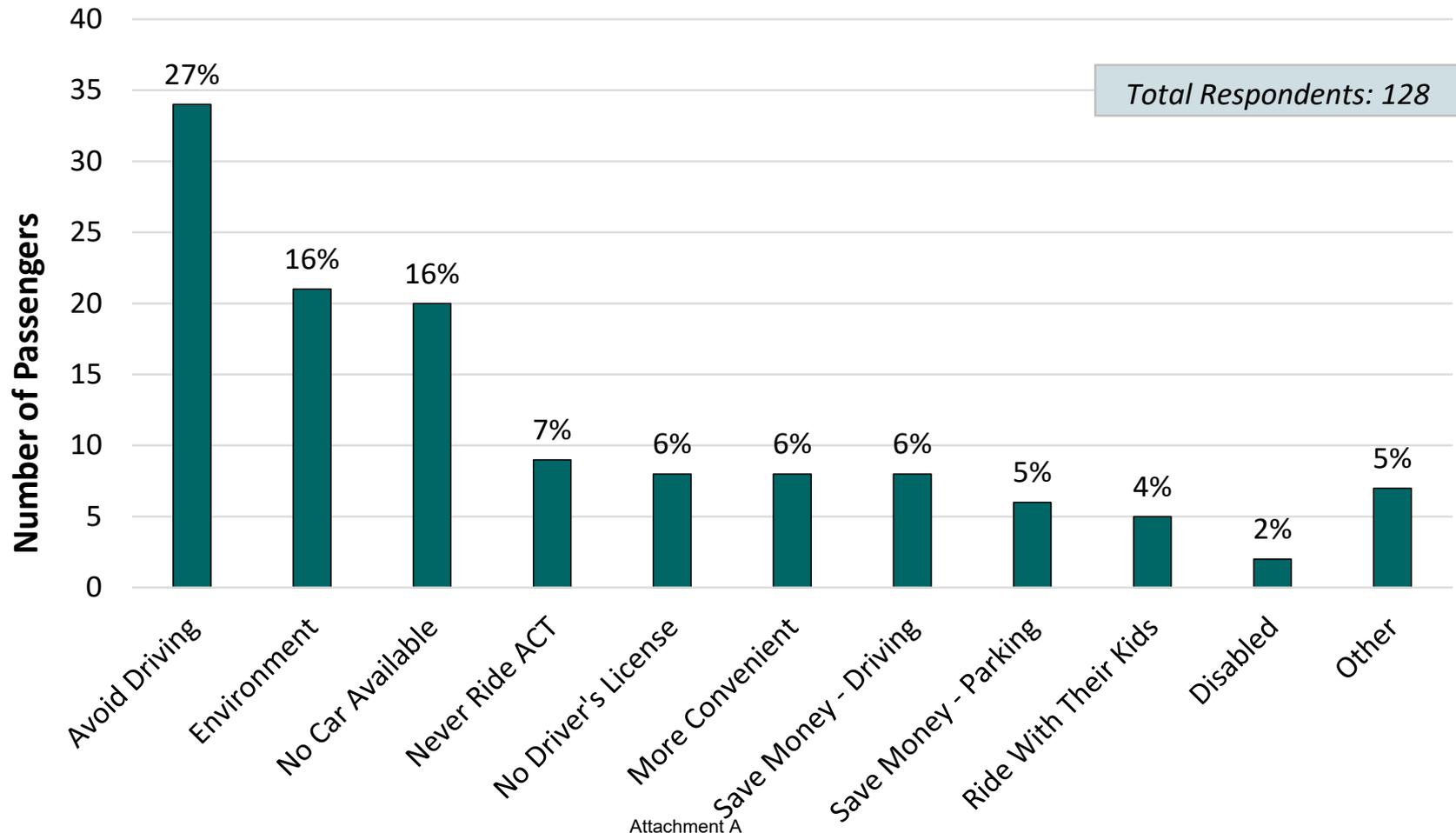


Figure C-5: Participant Opinions on ACT Service

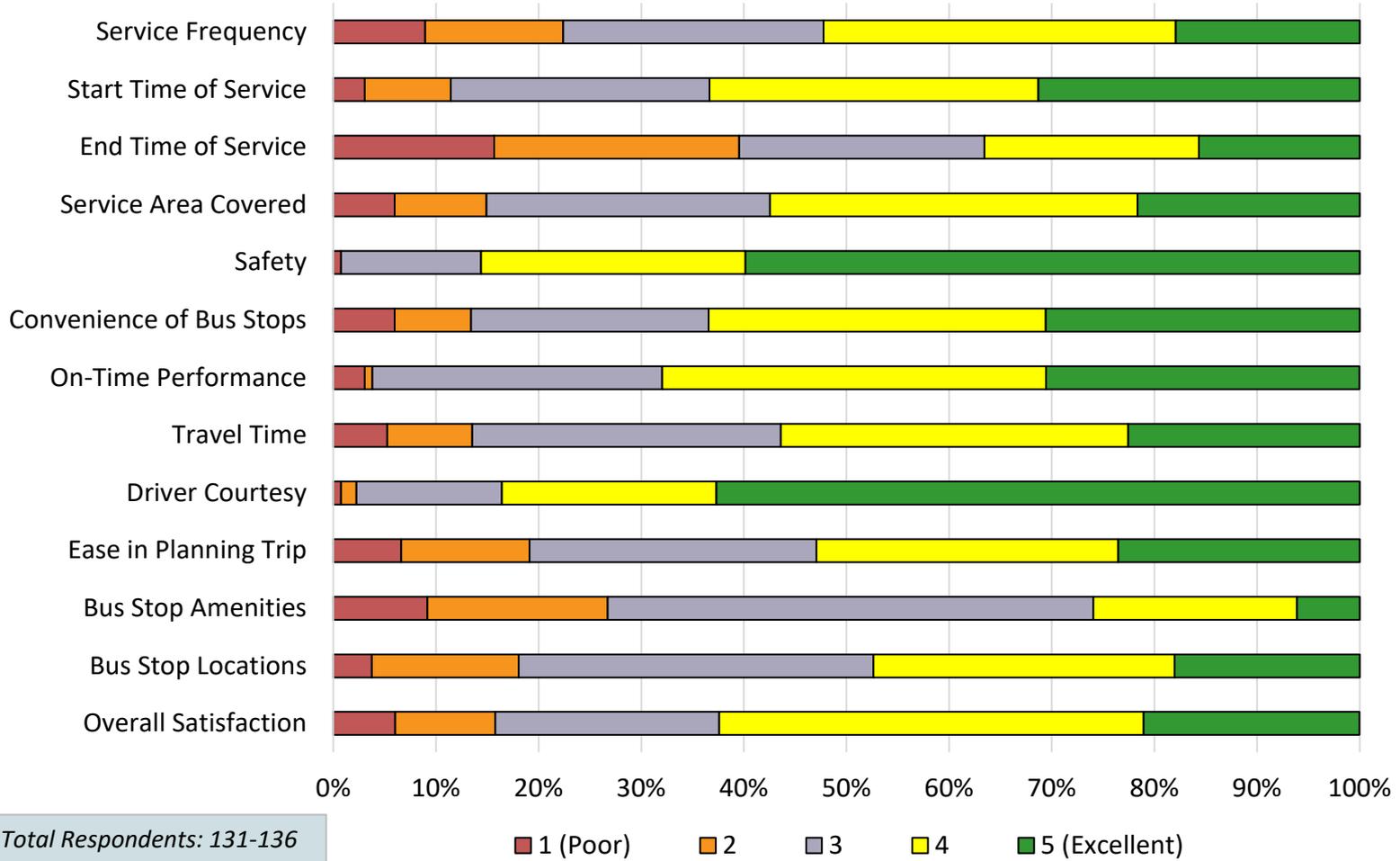


Table C-3: Issues Preventing Participants From Riding ACT

Issue	# of Participants	% of Participants
Bus Schedule/Frequency	57	38%
Other Transportation Available	22	15%
Service Area	18	12%
No Issues	17	11%
Too Much Time	8	5%
No Weekend Service	6	4%
Reliability of Services	5	3%
Never Used Transit	4	3%
Don't Know How To	3	2%
Pet Policy	2	1%
Other	9	6%
Total Responses	150	100%

Initial Alternatives

- Saturday Service
 - Fixed Route
 - Micro-transit
- Micro-transit on-demand with app for evening service
- Evaluate changes on Routes 2T and 2M to improve on-time performance and to improve service to/from White Rock
- Increase peak service on Route 1 and Route 6
- Eliminate poor performing runs
- Review driver schedules to limit split shifts
- Discuss options to reduce service if driver shortage continues
- Route adjustments as LANL implements their transit plan
- Review options for a transit center downtown

Next Steps

- ▶ Alternatives Analysis Memo - November
- ▶ Draft Plan - December
- ▶ Final Plan – February

Contact: Genevieve Evans

LSC Transportation Consultants Inc.

530-583-4053

genevieve@lsctrans.com