



# **FISCAL YEAR** 2021 ANNUAL PERFORMANCE REPORT

JULY 2020 - JUNE 2021

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# 1. Introduction

The annual performance report has three purposes: to report on total and average revenue hours, revenue miles, and boardings data from the Cherriots system during Fiscal Year 2021 (FY21), to compare the performance of the Cherriots system with the previous fiscal year, and to offer insight that can be used by Cherriots staff to develop future service plans.

This FY21 Annual Performance Report covers weekday and Saturday service data from July 1, 2020, through June 30, 2021. For each service type, data from all of FY21 is compared to that of FY20 for both weekday and Saturday services. For each route, data from the month of April is typically used to provide a snapshot of the service due to consistent school schedules, moderate weather, and a lack of national holidays. However, for weekday service this snapshot is not available for FY21 due to the service reductions made in response to the ongoing effects of the COVID-19 pandemic. Instead, weekday route level data for this report has been broken down into three service level based categories – data collected from July 2020 through September 2020 is referred to in this report as 80% of pre-pandemic service; data collected from October 2020 through April 2021 is referred to in this report as 95% of pre-pandemic service; data collected from May 2021 through June 2021 is referred to in this report at 100% of pre-pandemic service. These categories represent the three different weekday service levels that were implemented over the course of FY21. For Saturday service, route level data from the month of April has been used to provide a snapshot of the service due to the fact that Saturday service levels remained at 100 percent of pre-pandemic service throughout FY21.

This report includes data for total and daily average revenue hours, revenue miles, and boardings as well as measures of productivity. On-time performance data is not available in this report due to issues related to the deployment of the GMV Syncromatics CAD/AVL system. Sources of data include schedules, vehicle farebox systems, and reservation software (RouteMatch).

# 2. Services

Service-level data is reported below from the entire span of FY21. Weekday and Saturday service data is compared to FY20 to show trends between fiscal years. The services are comprised of the following:

- **Cherriots Local** includes local-fixed route service and local commuter express routes. (Qualified Human Service Organization routes did not operate in FY21 due to COVID-19 pandemic service reductions.)
- **Cherriots Regional** includes regional express routes and the regional deviated fixed route service.
- **Cherriots Shop and Ride** includes the dial-a-ride service for seniors and people with disabilities within the Salem-Keizer Urban Growth Boundary. (The shopper shuttle service did not operate in FY21 due to COVID-19 pandemic service reductions.)
- **Cherriots LIFT** is the ADA complementary paratransit service provided within the Salem-Keizer Urban Growth Boundary.

# 2.1 Total Revenue Hours, Revenue Miles, and Boardings

Total weekday revenue hours, revenue miles, and boardings from FY20 and FY21 by service are presented in Table 1 below. Total Saturday revenue hours, revenue miles, and boardings from FY21 are in Table 2.

Comico	Revenu	e Hours	Revenu	e Miles	Boardings		
Service	FY20	FY21	FY20	FY21	FY20	FY21	
(Service Days)	255	257	255	257	255	257	
Cherriots Local	150,810	165,418	1,874,768	2,052,305	2,439,420	1,377,232	
<b>Cherriots Regional</b>	17,791	18,267	361,012	379,704	81,797	54,911	
<b>Cherriots Shop and Ride</b>	2,937	2,860	29,492	28,246	4,897	3,645	
Cherriots LIFT	49,096	29,441	591,134	345,243	102,041	42,482	
Total	220,634	215,986	2,856,406	2,805,498	2,628,155	1,478,270	

Table 1. Weekday Total Revenue Hours, Revenue Miles, and Boardings by Service

Table 2. Saturday Total Revenue Hours, Revenue Miles, and Boardings by Service

Service	Revenue	Revenue Hours		e Miles	Boardings		
Service	FY20	FY21	FY20	FY21	FY20	FY21	
(Service Days)	43	51	43	51	43	51	
Cherriots Local	12,592	16,779	158,196	206,134	179,830	181,302	
<b>Cherriots Regional</b>	1,343	1,604	30,750	35,677	4,478	4,163	
Cherriots LIFT	2,005	2,811	22,048	31,137	2,956	4,661	
Total	15,940	21,194	210,994	272,948	187,264	190,126	

## 2.2 Average Revenue Hours, Revenue Miles, and Boardings

In Tables 3 and 4, weekday and Saturday average daily revenue hours, revenue miles, and boardings are displayed for each service, as well as average boardings per revenue hour.

Service	Reven	ue Hours	s / Day	Revenue Miles / Day			
Service	FY20	FY21	% Change	FY20	FY21	% Change	
Cherriots Local	591.4	643.6	8.8%	7,352.0	7,985.6	8.6%	
Cherriots Regional	69.8	71.1	1.9%	1,415.7	1,477.4	4.4%	
Cherriots Shop and Ride	11.5	11.1	-3.4%	115.7	109.9	-5.0%	
Cherriots LIFT	192.5	114.6	-40.5%	2,318.2	1,343.4	-42.1%	
Total	865.2	840.4	-2.9%	11,201.6	10,916.3	-2.5%	

Table 3. Weekday Average Revenue Hours, Revenue Miles, and Boardings by Service

Service	Во	ardings / I	Day	Boardings / Hour			
Service	FY20	FY21	% Change	FY20	FY21	% Change	
Cherriots Local	9,566.4	5,358.9	-44.0%	16.2	8.3	-48.5%	
Cherriots Regional	320.8	213.7	-33.4%	4.6	3.0	-34.6%	
<b>Cherriots Shop and Ride</b>	19.2	14.2	-26.1%	1.7	1.3	-23.6%	
Cherriots LIFT	400.2	165.3	-58.7%	2.1	1.4	-30.6%	
Total	10,306.5	5,752.0	-44.2%	24.5	14.0	-42.7%	

Table 4. Saturday Average Revenue Hours, Revenue Miles, and Boardings by Service

Service	Reve	nue Hours	: / Day	Revenue Miles / Day			
Service	FY20	FY21	% Change	FY20	FY21	% Change	
Cherriots Local	292.8	329.0	12.3%	3,679.0	4,041.8	9.9%	
Cherriots Regional	31.2	31.5	0.7%	715.1	699.5	-2.2%	
Cherriots LIFT	46.6	55.1	18.2%	512.7	610.5	19.1%	
Total	370.7	415.6	12.1%	4,906.8	5,351.9	9.1%	

Comico	Во	ardings /	Day	Boardings / Hour			
Service	FY20	FY21	% Change	FY20	FY21	% Change	
Cherriots Local	4,182.1	3,554.9	-15.0%	14.3	10.8	-24.3%	
Cherriots Regional	104.1	81.6	-21.6%	3.3	2.6	-22.2%	
Cherriots LIFT	68.7	91.4	32.9%	1.5	1.7	12.5%	
Total	4,355.0	3,728.0	-14.4%	19.1	15.1	-21.1%	

In March 2020 Cherriots declared a state of emergency and began fare-free service and rear door-only boarding (except for when the ramp or kneeling bus was required). Cherriots then suspended all services for a total of 6 days between March 31 and April 7, 2020. After that, all services began being incrementally restored throughout the rest of FY20 and FY21. As of June 30, 2021, service levels were at 100 percent of pre-pandemic levels for weekday and Saturday service. The increases in average revenue hours and revenue miles for most Cherriots services reflect the incremental increases in service made at the end of FY20 and throughout FY21. The decreases in average boardings reflect the wider impacts the COVID-19 pandemic has had on the communities Cherriots serves.

## 2.3 Total Revenue Hours and Miles

Table 5 displays the planned and actual revenue hours and revenue miles for the Cherriots Local and Regional services.

Cherriots Local	Planned	Actual	% Change
Revenue Miles	2,447,564	2,258,436	-7.7%
Revenue Hours	197,814	182,197	-7.9%
Cherriots Regional	Planned	Actual	% Change
Revenue Miles	493,138	379,704	-23.0%

Table 5. Total Revenue Hours and Miles, Planned vs. Actual

# 3. Route Snapshots

Staff have historically created route snapshots using data from the month of April to represent fiscal year performance. These route level snapshots are included in this report for FY21 Saturday service, but are not available for FY21 weekday service, see *Section 1. Introduction*.

# 3.1 Revenue Hours, Revenue Miles, and Boardings

For FY21, Cherriots has gathered daily average revenue hours, revenue miles, and boardings. For weekday service, this data is broken down by the three weekday service levels implemented throughout FY21. For Saturday service, the April snapshot is provided. This data is in Tables 6 and 7 below.

			80% of Pre-pandemic Service (July '20 - Sep '20) Daily Averages					
Rou	te		Revenue Hours	Revenue Miles	Boardings			
	Service Days:	68						
1X	Wilsonville / Salem Express		7.8	249.8	20.4			
2	Market / Brown		48.0	593.5	444.8			
3	Portland Road		14.9	173.7	173.5			
4	State Street		15.3	149.7	203.4			
5	Center Street		45.7	519.4	431.4			
6	Mission / Fairview Industrial		20.2	300.2	91.0			
7	Mission / Hawthorne		14.1	178.5	154.2			
8	12th / Liberty via Red Leaf		20.5	273.2	156.2			
9	Cherry / River Road		28.3	416.3	212.1			
10X	Woodburn / Salem Express		15.3	308.7	29.6			
11	Lancaster / Verda		86.8	1,140.7	897.2			
12	Hayesville Drive		13.1	179.9	37.2			
13	Silverton Road		13.8	128.8	180.0			
14	Windsor Island Road		13.6	201.5	49.5			
16	Wallace Road		8.2	109.2	59.4			
17	Edgewater Street		28.3	221.2	252.4			
18	12th / Liberty via Lone Oak		20.6	277.4	155.8			
19	Broadway / River Road		50.0	545.7	608.6			
20X	N.Marion County / Salem Express		11.6	260.4	21.0			
21	South Commercial		45.9	568.1	574.0			
23	Lansing / Hawthorne		14.1	181.7	53.8			
26	Glen Creek / Orchard Heights		6.9	68.2	12.1			
27	Glen Creek / Eola		6.7	89.7	14.8			
30X	Santiam / Salem Express		11.4	224.7	26.5			
40X	Polk County / Salem Express		17.7	373.3	91.9			
45	Central Polk County*		0.0	0.0	0.0			
50X	Dallas / Salem Express		5.6	127.1	12.5			

### Table 6. Weekday Daily Averages by Route and Service Level

			95% of Pre-pandemic Service (Oct '20 - Apr '21) Daily Averages				
Rou	Route		Revenue Hours	Revenue Miles	Boardings		
	Service Days:	147					
1X	Wilsonville / Salem Express		12.1	388.3	25.9		
2	Market / Brown		58.5	726.5	585.4		
3	Portland Road		30.4	354.9	317.6		
4	State Street		31.2	305.7	311.0		
5	Center Street		57.0	648.6	530.4		
6	Mission / Fairview Industrial		22.7	341.0	95.5		
7	Mission / Hawthorne		22.8	206.3	173.0		
8	12th / Liberty via Red Leaf		22.3	300.4	196.7		

9	Cherry / River Road	31.1	459.1	267.4
10X	Woodburn / Salem Express	17.4	352.4	39.7
11	Lancaster / Verda	103.6	1,362.7	1,163.2
12	Hayesville Drive	15.0	205.5	38.4
13	Silverton Road	30.1	276.7	216.6
14	Windsor Island Road	15.5	229.7	54.1
16	Wallace Road	9.6	124.2	76.9
17	Edgewater Street	50.0	452.1	362.2
18	12th / Liberty via Lone Oak	22.7	306.4	186.1
19	Broadway / River Road	59.3	647.8	755.9
20X	N.Marion County / Salem Express	13.4	292.7	26.7
21	South Commercial	56.6	705.1	729.6
23	Lansing / Hawthorne	15.1	194.3	58.1
26	Glen Creek / Orchard Heights	7.9	77.6	12.2
27	Glen Creek / Eola	8.5	115.4	17.0
30X	Santiam / Salem Express	12.2	254.1	30.7
40X	Polk County / Salem Express	18.7	400.4	99.8
45	Central Polk County*	9.7	145.0	14.2
50X	Dallas / Salem Express	5.8	134.8	11.0

\*Route 45 began operation in January 2021 (84 service days Jan – Apr '21)

			100% of Pre-pandemic Service (May '21 - June '21) Daily Averages				
Rou	te		Revenue Hours	Revenue Miles	Boardings		
	Service Days:	42					
1X	Wilsonville / Salem Express		11.9	383.1	29.5		
2	Market / Brown		59.7	743.0	737.4		
3	Portland Road		32.0	373.5	379.2		
4	State Street		32.8	321.0	384.8		
5	Center Street		58.3	662.7	663.5		
6	Mission / Fairview Industrial		22.6	336.5	117.5		
7	Mission / Hawthorne		24.5	226.7	196.5		
8	12th / Liberty via Red Leaf		25.8	346.5	236.7		
9	Cherry / River Road		30.7	452.5	297.3		
10X	Woodburn / Salem Express		17.3	355.2	50.9		
11	Lancaster / Verda		108.9	1,451.9	1,359.2		
12	Hayesville Drive		14.8	202.8	55.9		
13	Silverton Road		32.2	300.3	260.0		
14	Windsor Island Road		15.2	226.6	57.0		
16	Wallace Road		10.0	130.8	89.9		
17	Edgewater Street		51.3	461.4	406.0		
18	12th / Liberty via Lone Oak		25.4	342.5	204.8		
19	Broadway / River Road		61.1	669.7	811.2		
20X	N.Marion County / Salem Express		13.9	314.4	24.6		
21	South Commercial		57.8	720.4	849.1		
23	Lansing / Hawthorne		14.9	191.7	66.6		

26	Glen Creek / Orchard Heights	7.8	76.7	24.7
27	Glen Creek / Eola	8.4	113.8	33.7
30X	Santiam / Salem Express	12.3	256.8	33.4
40X	Polk County / Salem Express	18.6	400.2	115.9
45	Central Polk County*	9.6	146.6	17.5
50X	Dallas / Salem Express	5.8	135.1	10.8

#### Table 7. Saturday Daily Averages by Route (April snapshot)

Route		Revenue Hours		Revenue Miles	Boardings
	Service Days:	4			
2	Market / Brown		27.3	361.8	389
3	Portland Road		15.0	175.0	182
4	State Street		15.3	150.8	183
5	Center Street		27.5	312.0	351
6	Mission / Fairview Industrial		21.0	315.8	61
7	Mission / Hawthorne		14.5	187.8	111
8	12th / Liberty via Red Leaf		21.8	296.3	150
9	Cherry / River Road		15.5	226.5	168
10X	Woodburn / Salem Express		7.3	156.0	20
11	Lancaster / Verda		55.5	703.5	810
13	Silverton Road		13.5	129.3	129
16	Wallace Road		8.8	114.8	64
17	Edgewater Street		27.0	207.8	173
18	12th / Liberty via Lone Oak		21.8	292.3	135
19	Broadway / River Road		26.8	345.5	435
20X	N.Marion County / Salem Express		8.8	212.3	13
21	South Commercial		26.8	332.5	439
30X	Santiam / Salem Express		7.0	96.5	12
40X	Polk County / Salem Express		9.3	200.5	49

## **3.2 Productivity**

For FY21, Cherriots has gathered boardings per revenue hour in order to measure a route's productivity. For weekday service, this data is broken down by the three weekday service levels implemented throughout FY21. For Saturday service, this data is averaged over the entire fiscal year. Routes are listed in Tables 8 and 9 by route type.

*Table 8.* Weekday Boardings per Revenue Hour by Route, Route Type and Service Level

	Route	Frequency (minutes)	Boardings / Revenue Hour
CORRIDOR			
4	State Street	60	13.3
13	Silverton Road	60	13.0
21	South Commercial	15	12.5
19	Broadway / River Road	15	12.2
3	Portland Road	60	11.7
11	Lancaster / Verda	15	10.3
5	Center Street	15	9.4
2	Market / Brown	15	9.3
17	Edgewater Street	30	8.9
8	12th / Liberty via Red Leaf	60	7.6
18	12th / Liberty via Lone Oak	60	7.5
9	Cherry / River Road	30	7.5
COVERAGE			
7	Mission / Hawthorne	30	11.0
16	Wallace Road	60	7.2
6	Mission / Fairview Industrial	60	4.5
23	Lansing / Hawthorne	60	3.8
14	Windsor Island Road	30	3.6
12	Hayesville Drive	60	2.8
27	Glen Creek / Eola	60	2.2
26	Glen Creek / Orchard Heights	60	1.7
REGIONAL	EXPRESS	# of Trips/Day	
40X	Polk County / Salem Express	8	5.2
1X	Wilsonville / Salem Express	4	2.6
	Santiam / Salem Express	4	2.3
	Dallas / Salem Express	4	2.2
	N.Marion County / Salem Express		1.8
	Woodburn / Salem Express	7	1.9
	Central Polk County*	0	N/A

\*Route 45 began operation in January 2021

95% of Pre-pandemic Service (Oct '20 - Apr '21)				
	Route	Frequency (minutes)	Boardings / Revenue Hour	
CORRIDOR				
21	South Commercial	15	12.9	
19	Broadway / River Road	15	12.7	
11	Lancaster / Verda	15	11.2	

Portland Road	30	10.4
Market / Brown	15	10.0
State Street	30	10.0
Center Street	15	9.3
12th / Liberty via Red Leaf	60	8.8
Cherry / River Road	30	8.6
12th / Liberty via Lone Oak	60	8.2
Silverton Road	30	7.2
Edgewater Street	15	7.2
Wallace Road	60	8.0
Mission / Hawthorne	30	7.6
Mission / Fairview Industrial	60	4.2
Lansing / Hawthorne	60	3.8
Windsor Island Road	30	3.5
Hayesville Drive	60	2.6
Glen Creek / Eola	60	2.0
Glen Creek / Orchard Heights	60	1.5
	# of Trips/Day	
Polk County / Salem Express	8	5.3
Santiam / Salem Express	4	2.5
Woodburn / Salem Express	8	2.3
Wilsonville / Salem Express	6	2.1
N.Marion County / Salem Express	5	2.0
Dallas / Salem Express	4	1.9
Central Polk County	5	1.5
	Market / Brown State Street Center Street 12th / Liberty via Red Leaf Cherry / River Road 12th / Liberty via Lone Oak Silverton Road Edgewater Street Wallace Road Mission / Hawthorne Mission / Hawthorne Mission / Fairview Industrial Lansing / Hawthorne Windsor Island Road Hayesville Drive Glen Creek / Eola Glen Creek / Eola Glen Creek / Orchard Heights <b>EXPRESS</b> Polk County / Salem Express Santiam / Salem Express Woodburn / Salem Express Wilsonville / Salem Express N.Marion County / Salem Express Dallas / Salem Express	Market / Brown15State Street30Center Street1512th / Liberty via Red Leaf60Cherry / River Road3012th / Liberty via Lone Oak60Silverton Road30Edgewater Street15Wallace Road60Mission / Hawthorne30Mission / Fairview Industrial60Lansing / Hawthorne60Windsor Island Road30Hayesville Drive60Glen Creek / Eola60Glen Creek / Orchard Heights60EXPRESS# of Trips/DayPolk County / Salem Express8Santiam / Salem Express8Wilsonville / Salem Express6N.Marion County / Salem Express5Dallas / Salem Express4

100% of Pre-pandemic Service (May '21 - June '21)				
	Route	Frequency (minutes)	Boardings / Revenue Hour	
CORRIDOR				
21	South Commercial	15	14.7	
19	Broadway / River Road	15	13.3	
11	Lancaster / Verda	15	12.5	
2	Market / Brown	15	12.4	
3	Portland Road	30	11.8	
4	State Street	30	11.7	
5	Center Street	15	11.4	
9	Cherry / River Road	30	9.7	
8	12th / Liberty via Red Leaf	60	9.2	
13	Silverton Road	30	8.1	
18	12th / Liberty via Lone Oak	60	8.1	
17	Edgewater Street	15	7.9	
COVERAGE				
16	Wallace Road	60	9.0	

7	Mission / Hawthorne	30	8.0
6	Mission / Fairview Industrial	60	5.2
23	Lansing / Hawthorne	60	4.5
27	Glen Creek / Eola	60	4.0
12	Hayesville Drive	60	3.8
14	Windsor Island Road	30	3.7
26	Glen Creek / Orchard Heights	60	3.2
REGIONAL	EXPRESS	# of Trips/Day	
40X	Polk County / Salem Express	8	6.2
10X	Woodburn / Salem Express	8	2.9
30X	Santiam / Salem Express	4	2.7
1X	Wilsonville / Salem Express	6	2.5
20X	N.Marion County / Salem Express	5	1.8
45	Central Polk County	5	1.8
50X	Dallas / Salem Express	4	1.8

### Table 9. Saturday Boardings per Revenue Hour by Route and Route Type

Route		Frequency (minutes)	Boardings / Revenue Hour
CORRIDOR			
19	Broadway / River Road	30	17.5
21	South Commercial	30	15.8
2	Market / Brown	30	13.6
11	Lancaster / Verda	30	13.3
5	Center Street	30	12.0
4	State Street	60	11.3
3	Portland Road	60	11.2
13	Silverton Road	60	9.7
9	Cherry / River Road	60	9.3
17	Edgewater Street	30	7.2
8	12th / Liberty via Red Leaf	60	6.8
18	12th / Liberty via Lone Oak	30	6.0
COVERAGE			
7	Mission / Hawthorne	30	7.9
16	Wallace Road	60	6.9
6	Mission / Fairview Industrial	60	2.6
REGIONAL	EXPRESS	# of Trips/Day	
40X	Polk County / Salem Express	4	5.1
10X	Woodburn / Salem Express	3	2.2
20X	N.Marion County / Salem Express	3	1.3
30X	Santiam / Salem Express	2	1.3

## **3.3 On-Time Performance**

The preferred way to measure on-time performance is by comparing the scheduled departure time to the observed departure time at every time point along a route. Unfortunately, until the GMV Syncromatics CAD/AVL system is able to accurately calculate on-time performance, staff is unable to measure it this precisely.

As a proxy, staff have historically used end-of-route on-time performance. However, because efforts have been focused on implementing the GMV Syncromatics CAD/AVL system the staffing time necessary to gather this data was not available in FY21.

# 4. Conclusion

Data included in this report will be useful in planning for situations similar to the COVID-19 pandemic should they arise in the future and as Cherriots adjusts to the "new normal" going forward.