

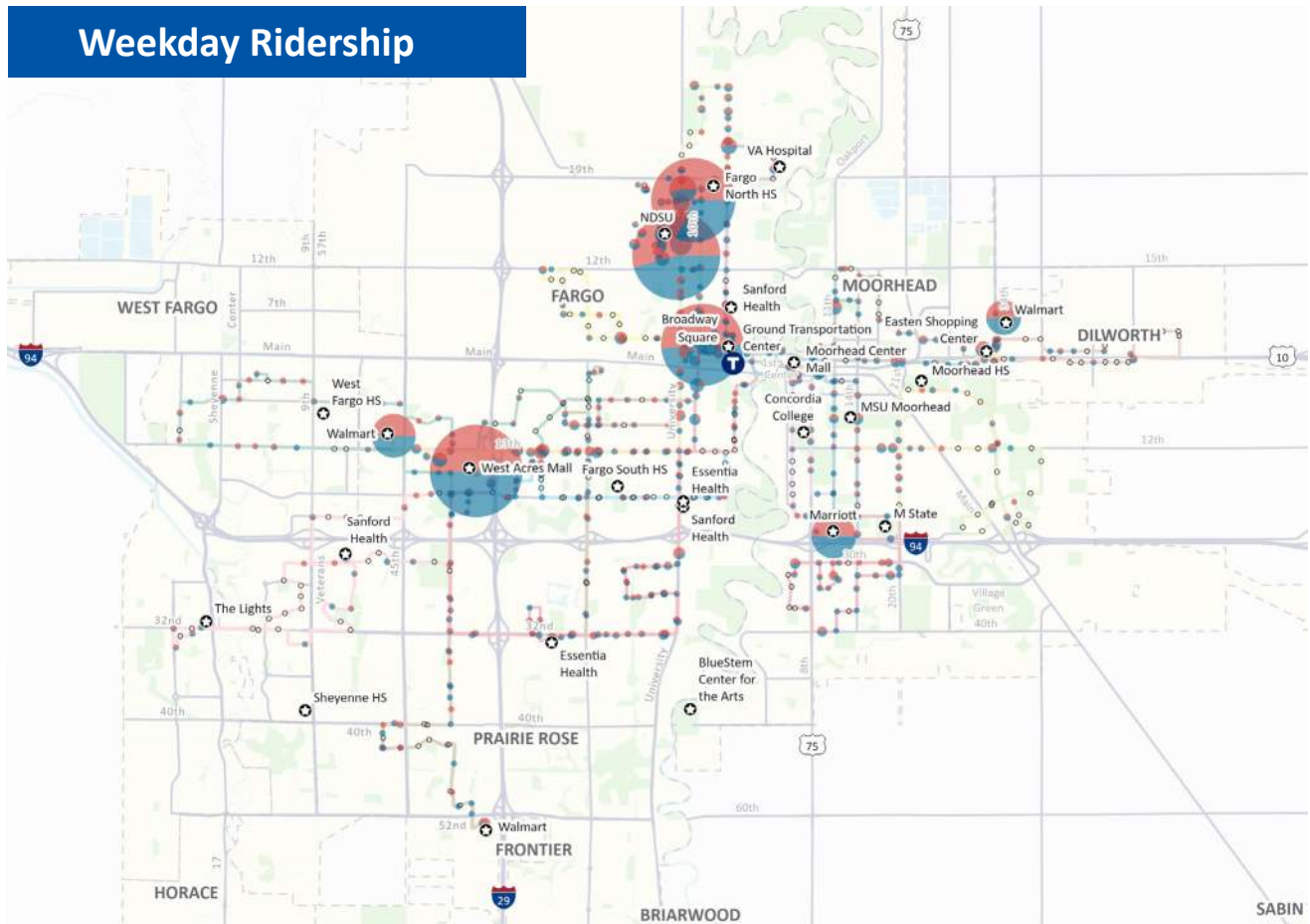


APPENDIX B

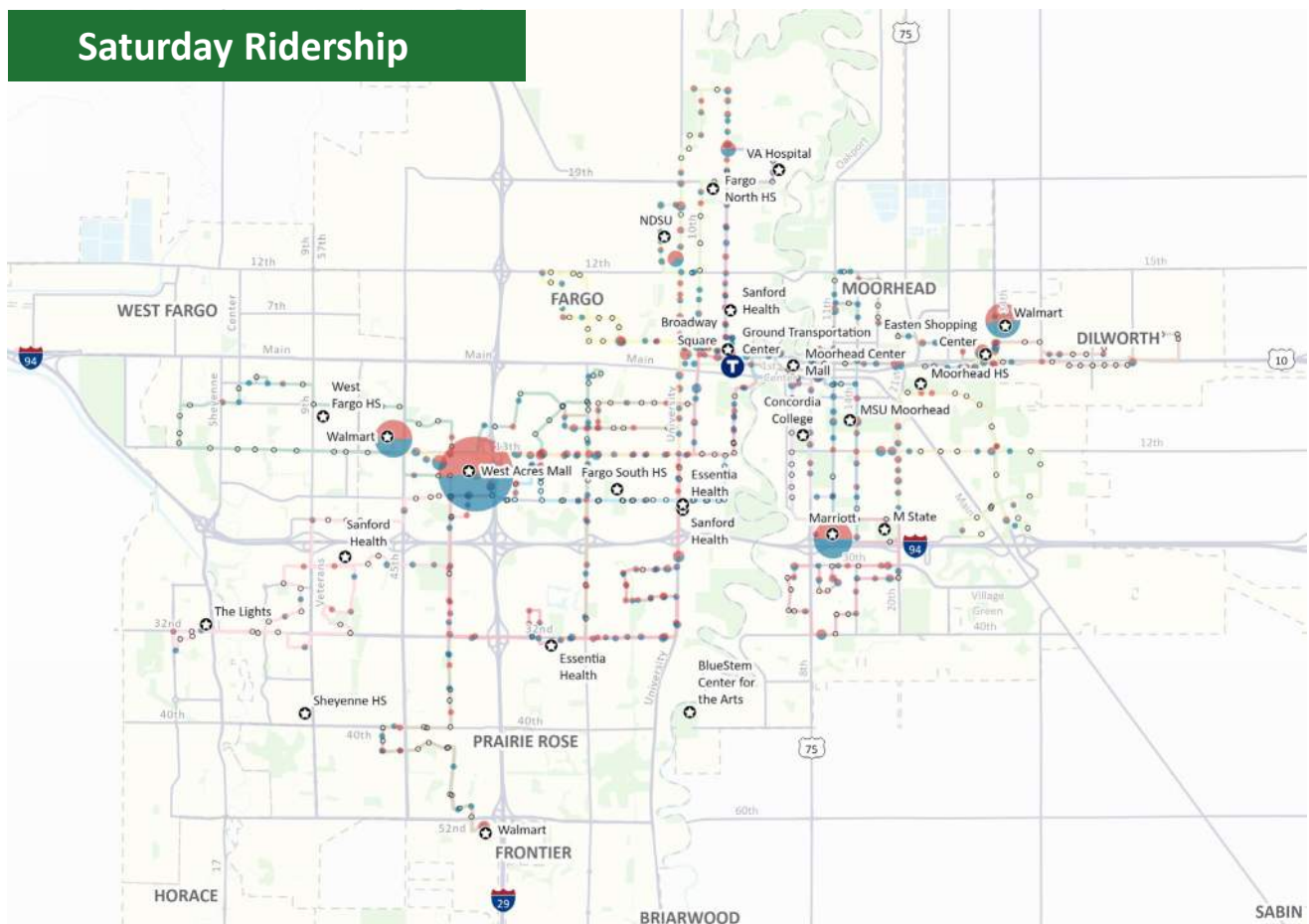
Route Profiles

System-wide Ridership September 1-28, 2024

Weekday Ridership

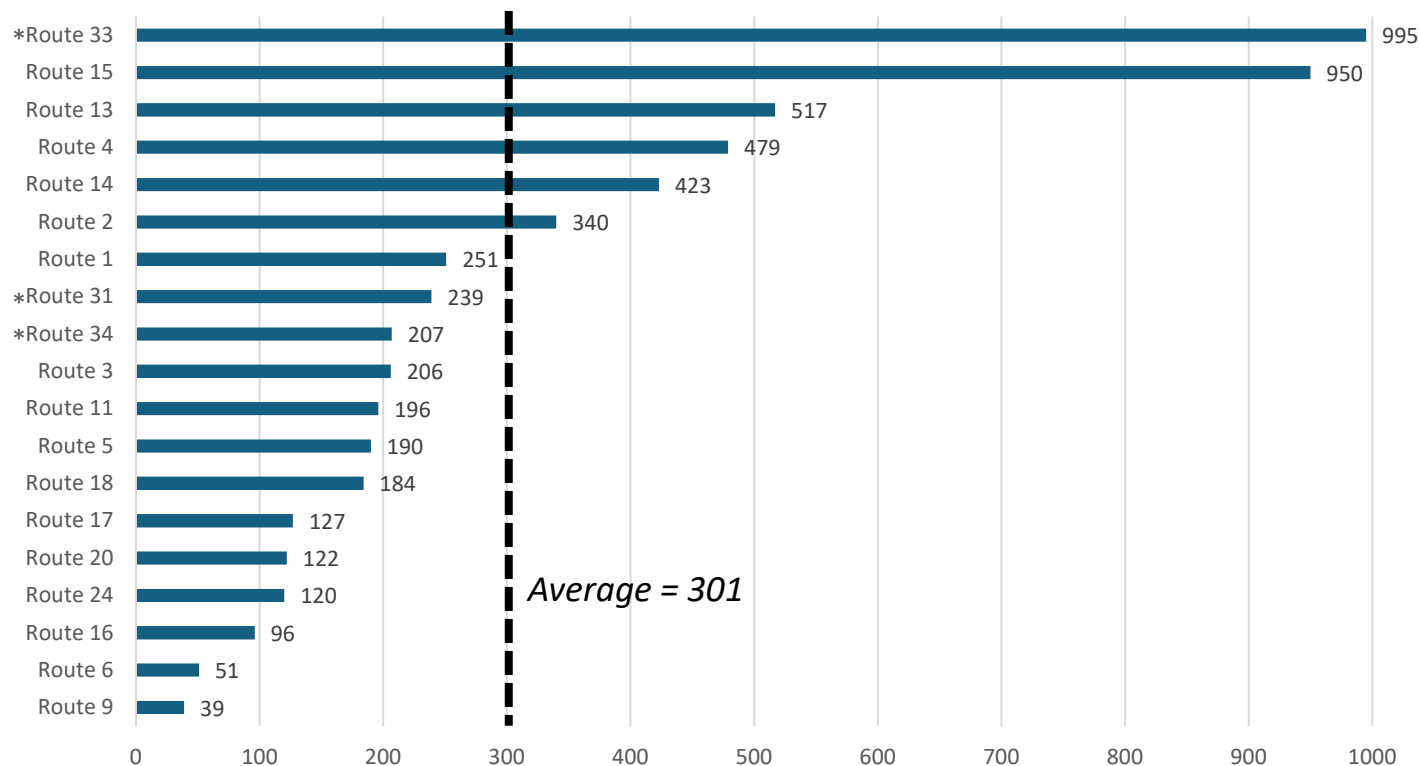


Saturday Ridership



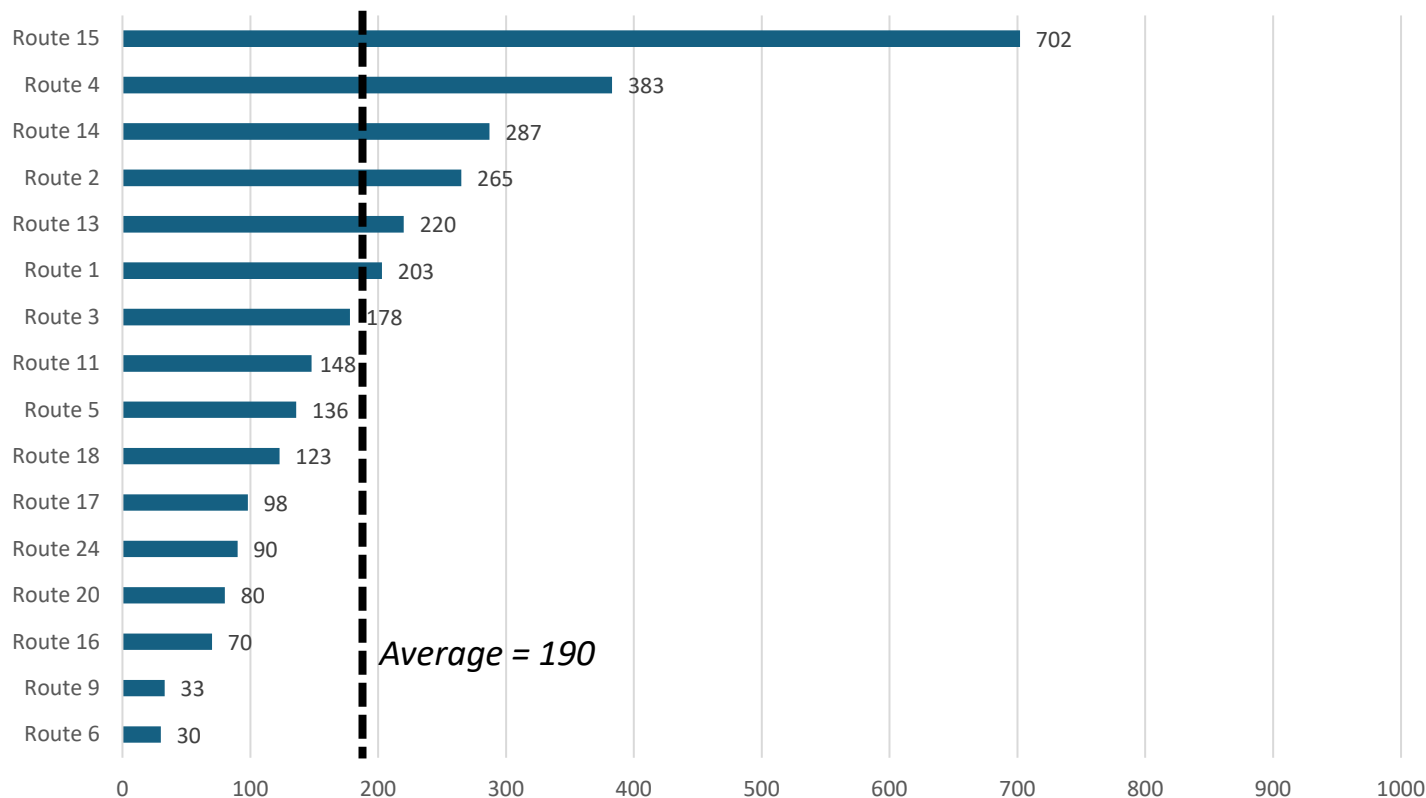
Average Daily Boardings September 2024

Weekday



*Weekday only

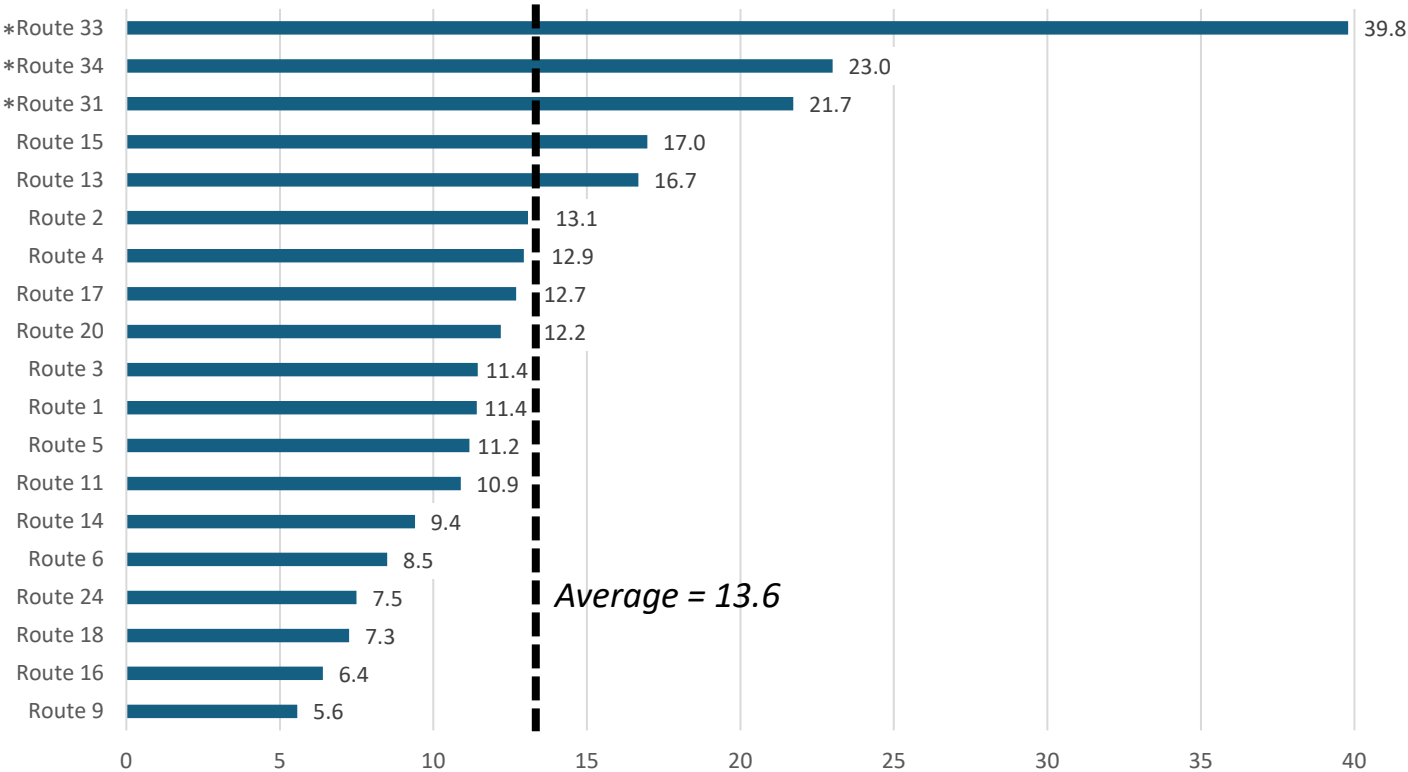
Saturday



Boardings per Revenue Hour

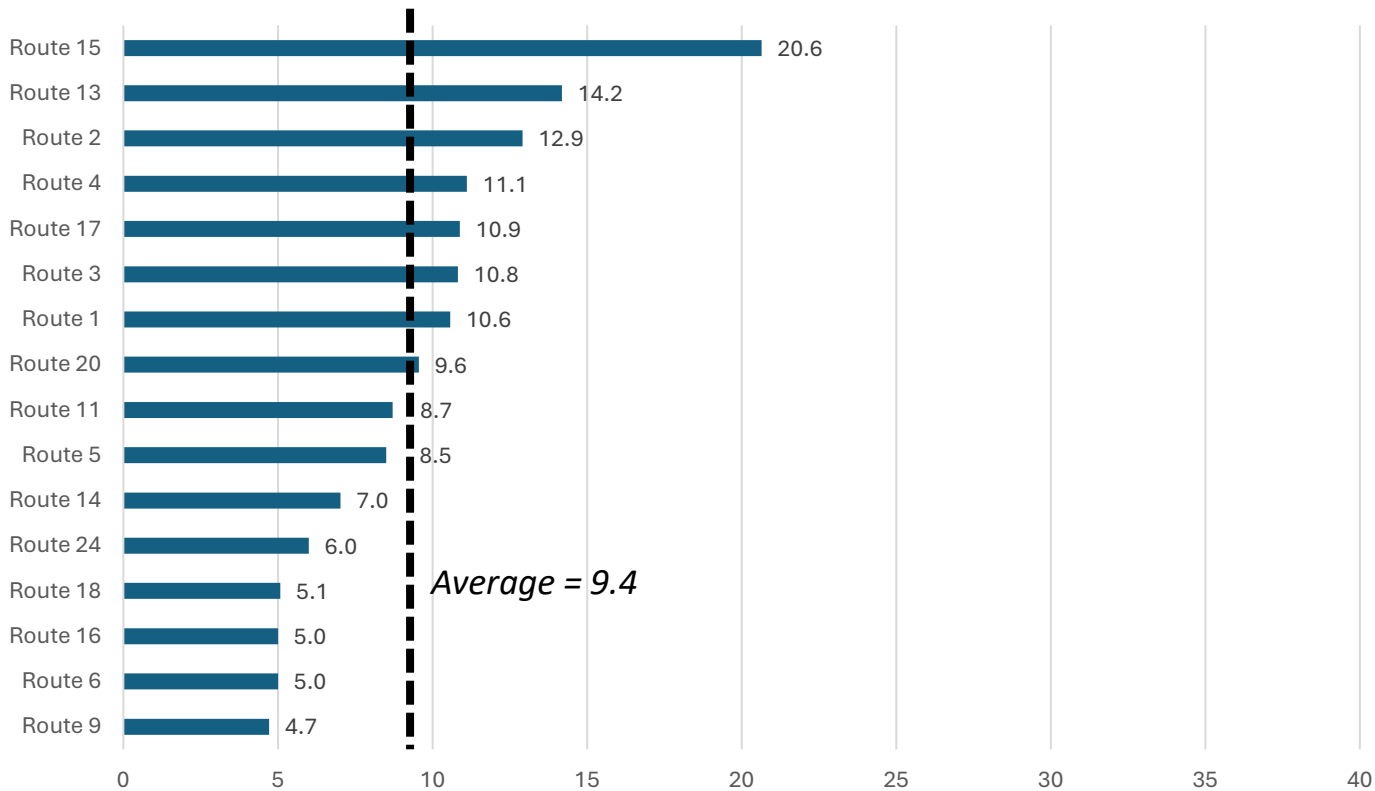
September 2024

Weekday



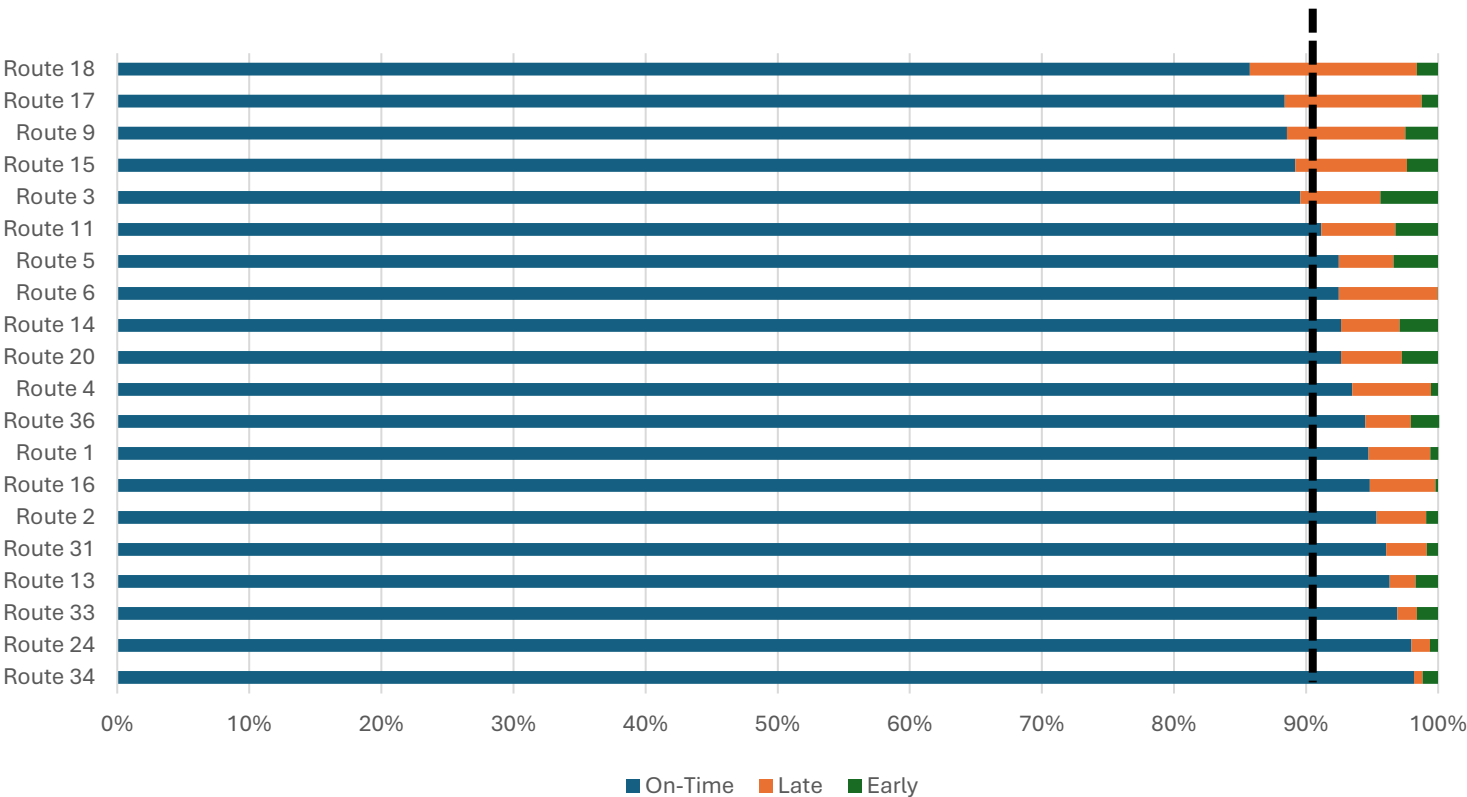
*Weekday only

Saturday

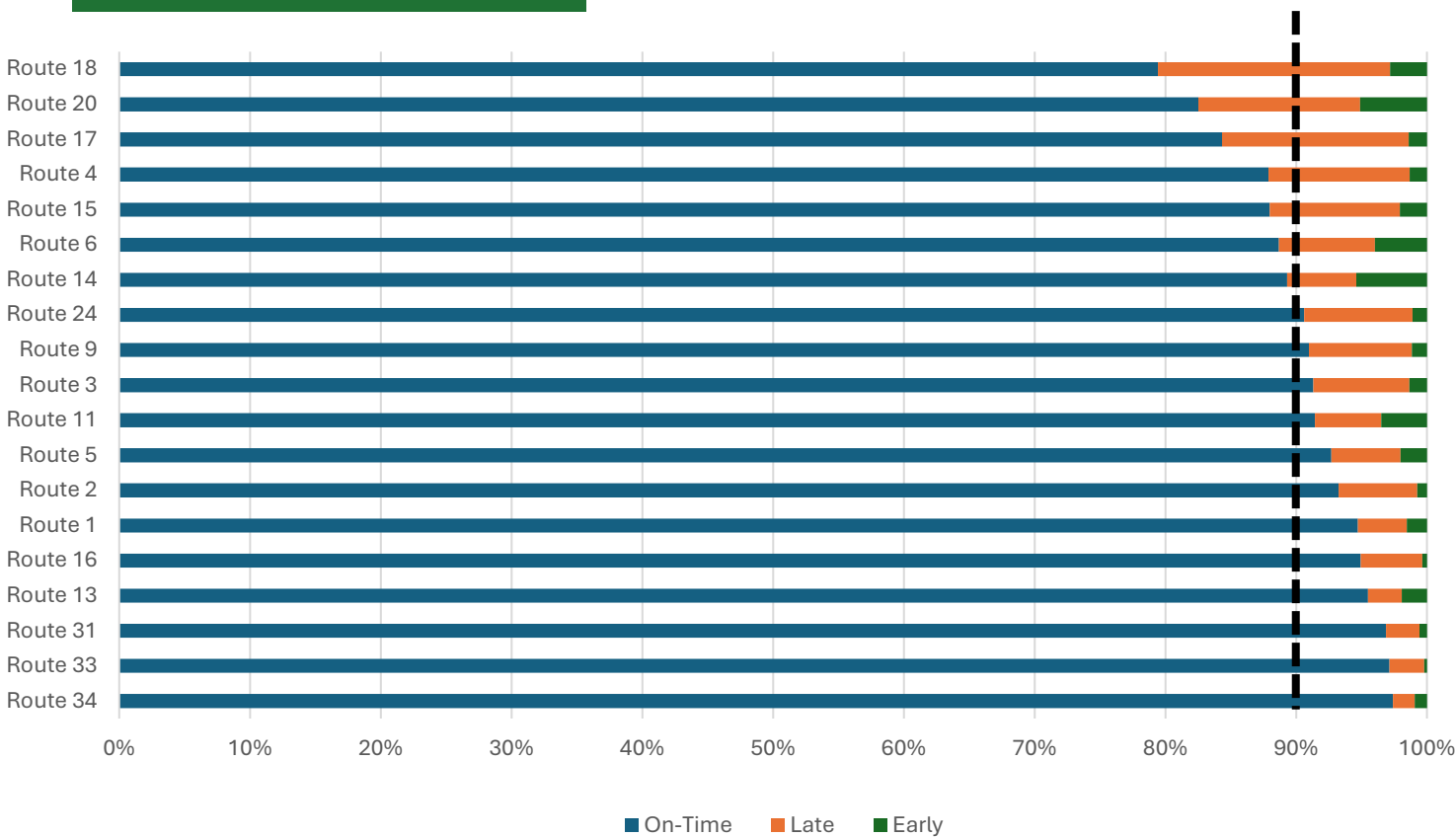


On-Time Performance February & September, 2023

February 2023



September 2023



Route 1 GTC to Marriott

Route Description

Route 1 connects the MATBUS Ground Transportation Center (GTC) and the Marriott Transfer Hub. Buses travel east on Main Avenue, south on 8th Street S, and return north on 5th Street S. Route 1 serves the Moorhead Public Library, Concordia College, Brookdale Mall, Rourke Art Museum, and Hopkins Elementary School.

Buses depart from the GTC every 30 minutes. Service runs Monday through Saturday with slightly reduced hours of service on Saturday. Ridership per revenue hour is consistently high on weekdays and Saturday. Service is provided year-round.

Route 1 interlines with Route 3 at the Marriott.

Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	10:15 PM	10:15 PM
Headway (morning/midday/eve)	30/30/30	30/30/30
Average Daily Boardings	251	222
Boardings per Revenue Hour	11.41	10.57
Peak Vehicles	1	1
Average Distance Between Stops	1,064 feet (0.2 miles)	

Route Strengths

- Similar productivity (boardings per revenue hour) on the weekdays and Saturdays
- High boarding activity at north and south end of route
- Late afternoon peaks in boardings
- Interlines with Route 3 provides single-seat rides to more destinations

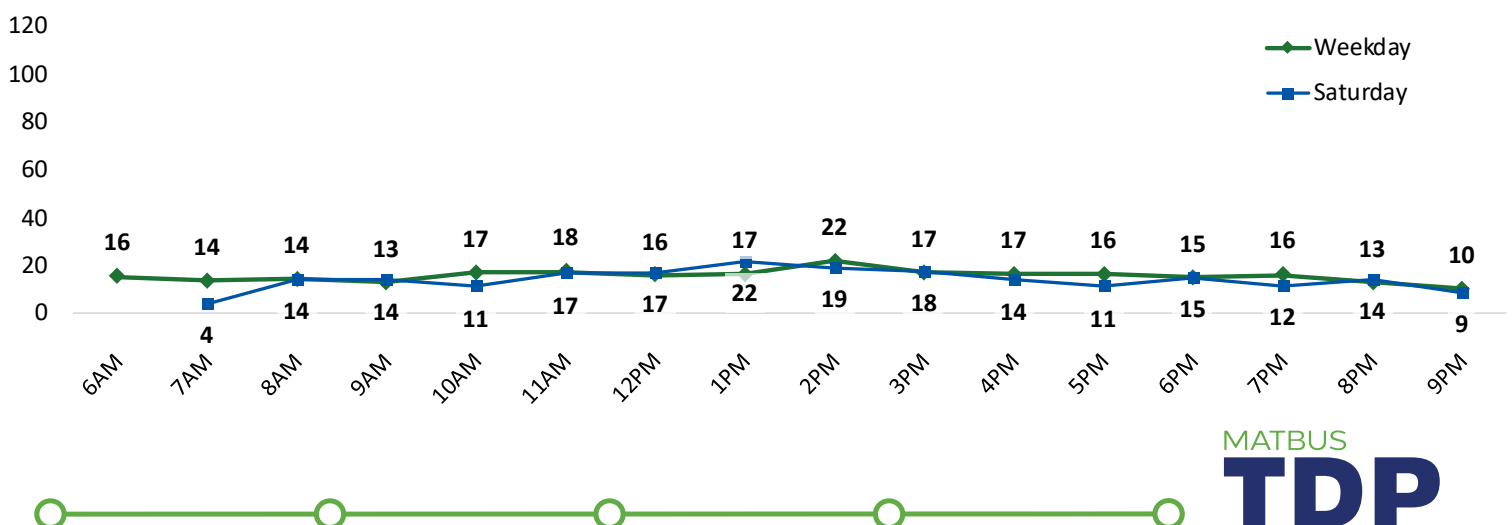
Route Opportunities

- Weekday ridership is strong on first trip of the day; consider earlier service
- In conjunction with Route 2, explore options of consolidating portions of these routes through central Moorhead

Top Weekday Boarding Activity Locations

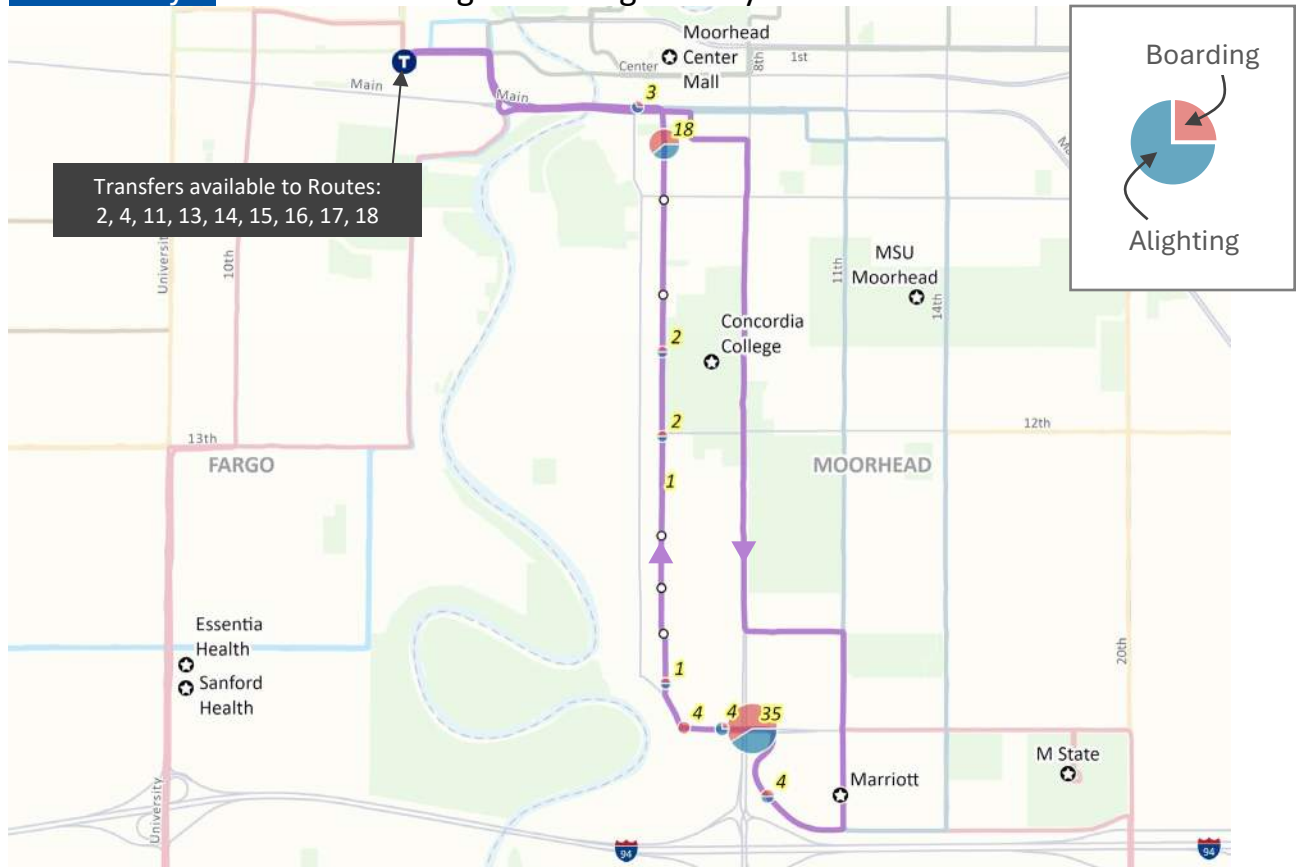
Stop	Boarding Activity (Ons and Offs)	Available Transfers
GTC	219	2, 4, 11, 13, 14, 15, 16, 17, 18
Marriott Shelter #118	88	2, 3, 5
24th Ave S & 8th St Frontage	35	
Shelter 122 Corner SE	18	
6th St S & 2nd Ave S Corner N	10	
Shelter 120 Concordia	9	
8th St S & 9th Ave S South of	9	
11th St S & 24th Ave S Corner	8	2
Main Ave & 6th St S Corner SW	7	2
8th St S & 14th Ave S Corner	7	

Average Boardings by Hour

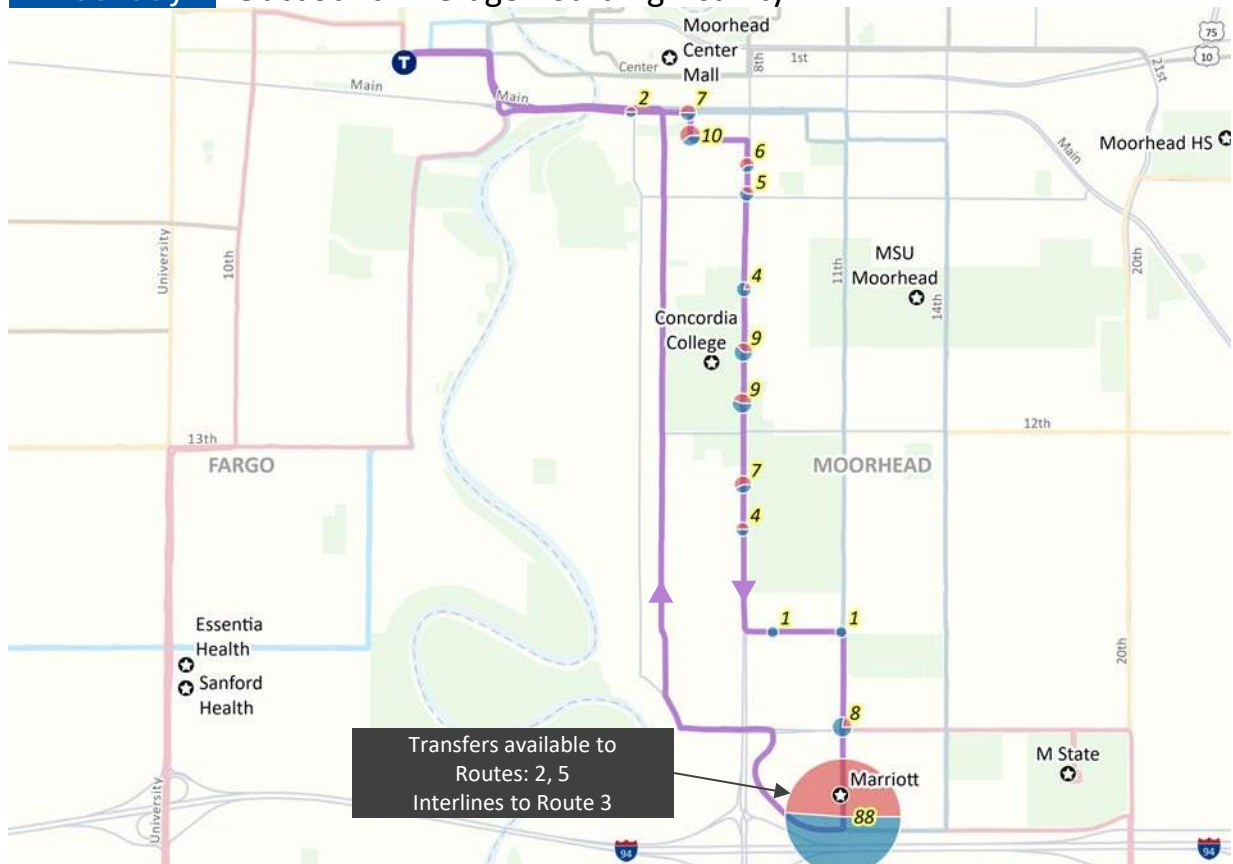


Route 1 GTC to Marriott

Weekday Inbound Average Boarding Activity

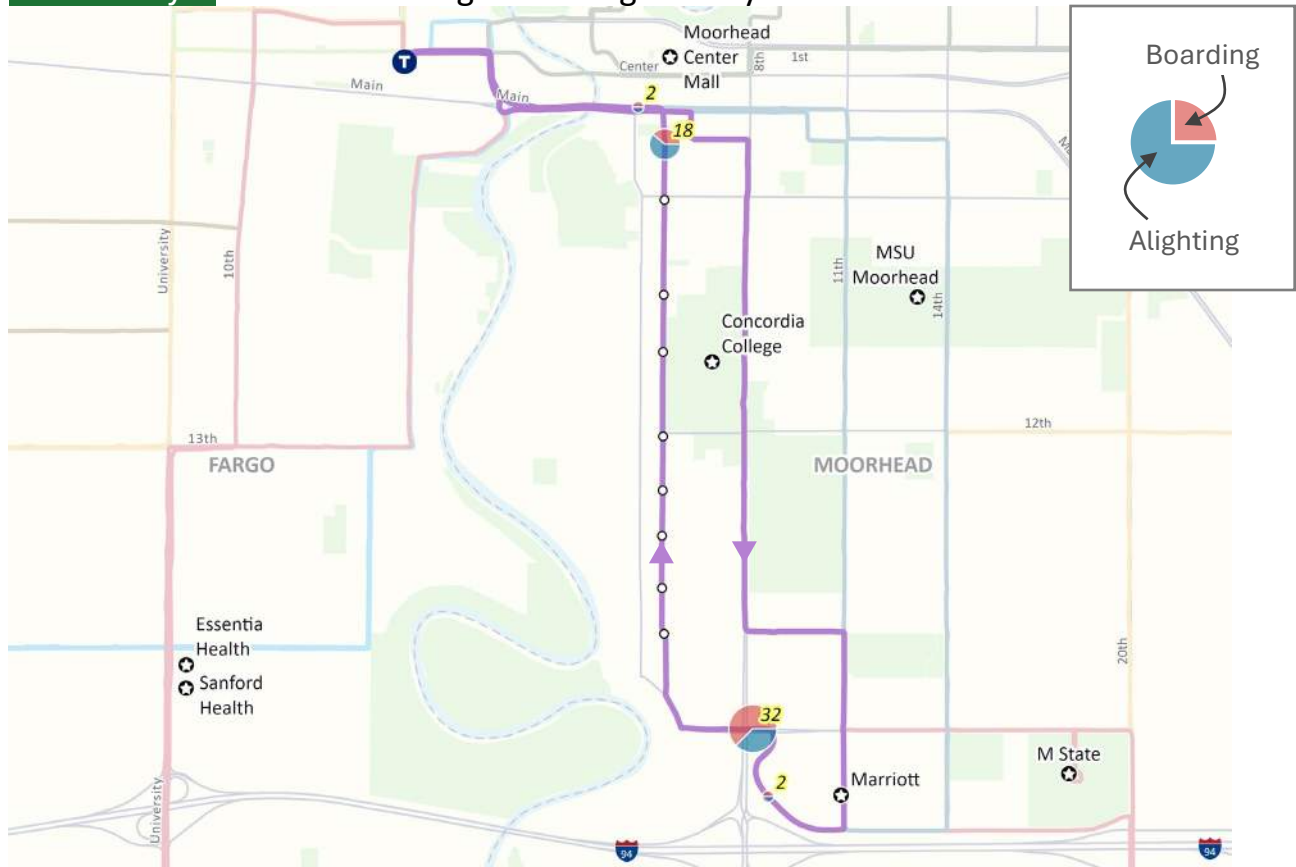


Weekday Outbound Average Boarding Activity

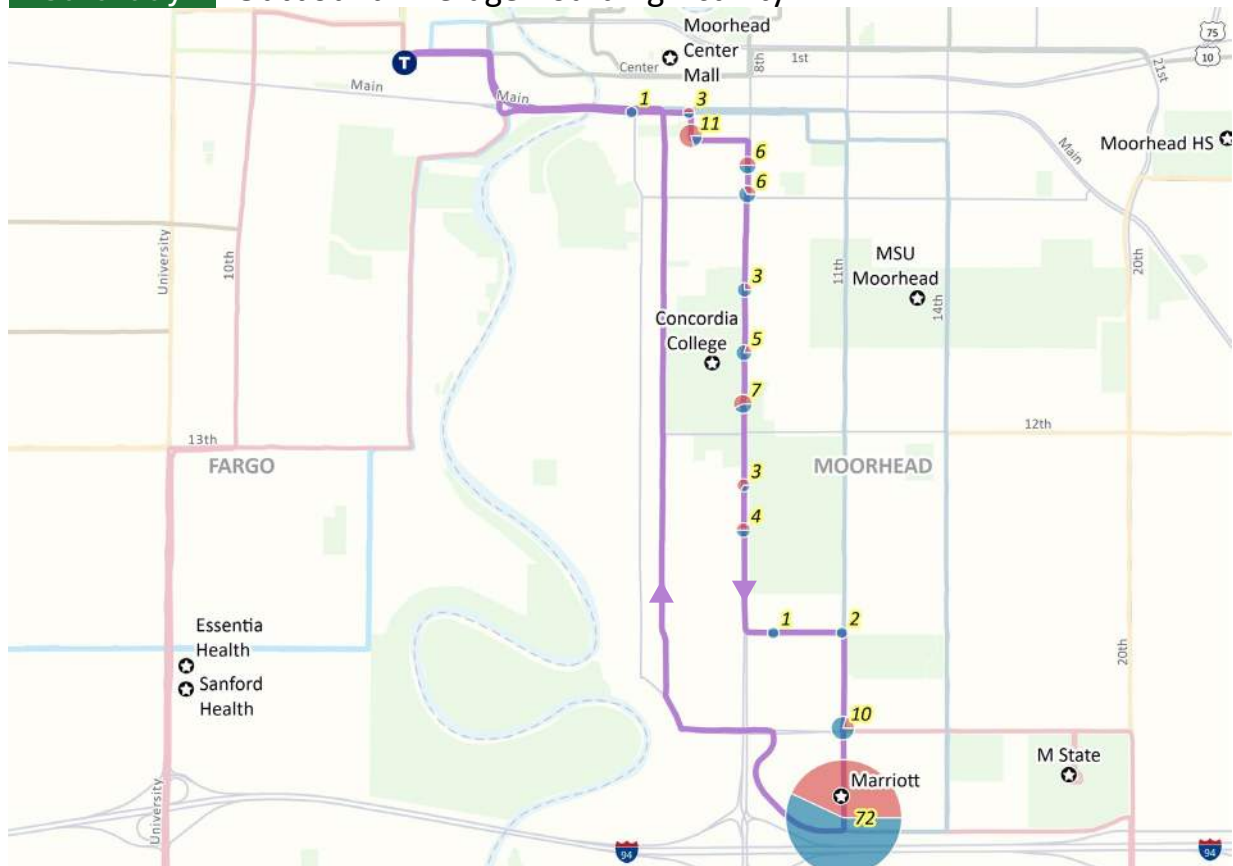


Route 1 GTC to Marriott

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 2 GTC to Marriott

Route Description

Route 2 extends east from the GTC along Main Avenue, south to the Marriot along 11th Street S, and returns north to the GTC on 14th Street S. It serves Minnesota State University Moorhead (MSUM), Rourke Art Museum, Hornbacher's, and Hopkins Elementary.

Buses on Route 2 run every 30 minutes, and on weekday afternoons during the MSUM academic year, they run every 15 minutes. It runs Monday through Saturday, with service starting one hour later on Saturday. Ridership per revenue hour is consistently high on weekdays and Saturday. Service is provided year-round. Route 2 interlines with Route 5 at the Marriott.

Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	10:15 PM	10:15 PM
Headway (peak/midday/eve)	30/15/30	30/30/30
Average Daily Boardings	340	284
Boardings per Revenue Hour	13.08	12.91
Peak Vehicles	2	1
Average Distance Between Stops	1,162 feet (0.22 miles)	

Route Strengths

- Similar productivity on weekdays and Saturdays
- Late afternoon peaks in boardings
- High ridership at MSUM
- Transfers available to several routes
- Interlines with Route 5 provides single-seat rides to more destinations

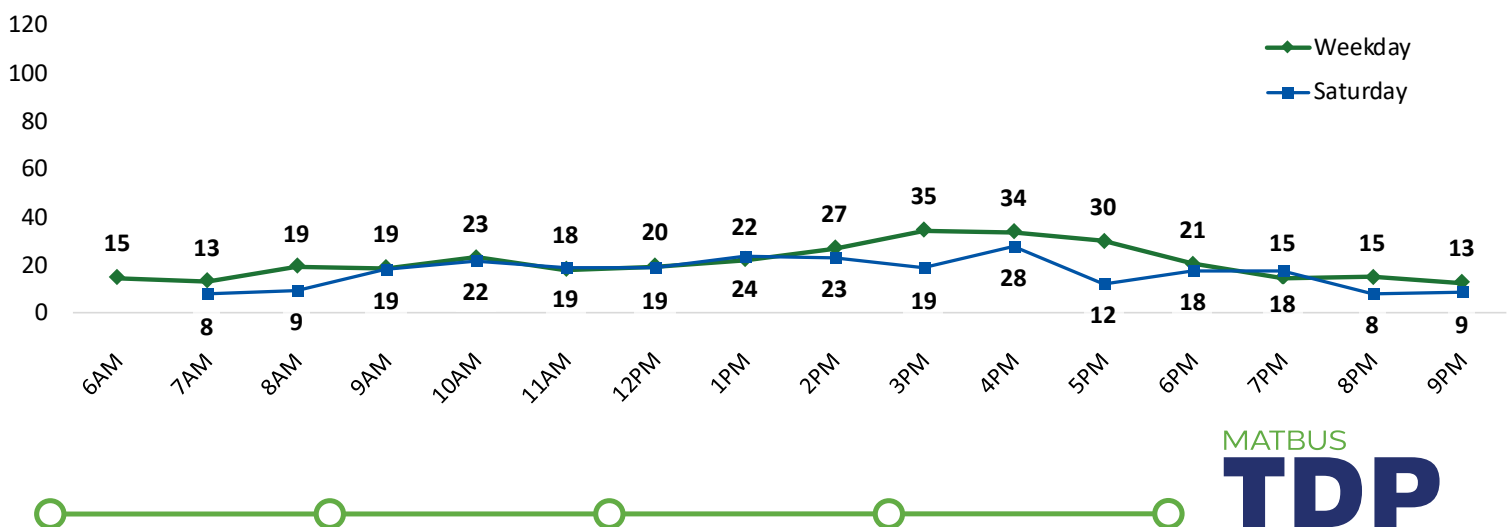
Route Opportunities

- Routes 2 and 5 are interlined and function as a single route. Route 2 ridership is much stronger than Route 5. Explore opportunity to disconnect the interline and adjust service levels on Route 5 in the evening and on Saturday. Ensure connections at Marriott can be made reliably.

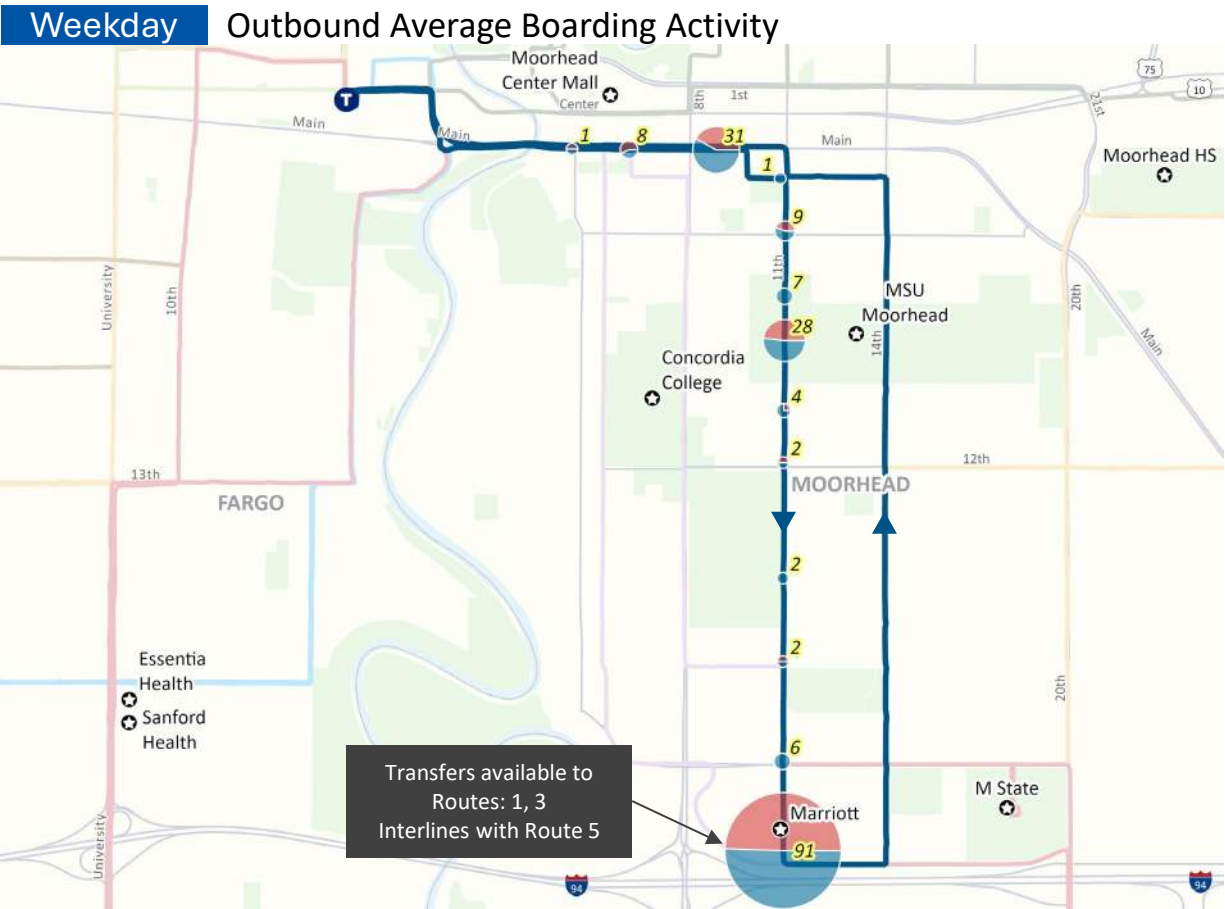
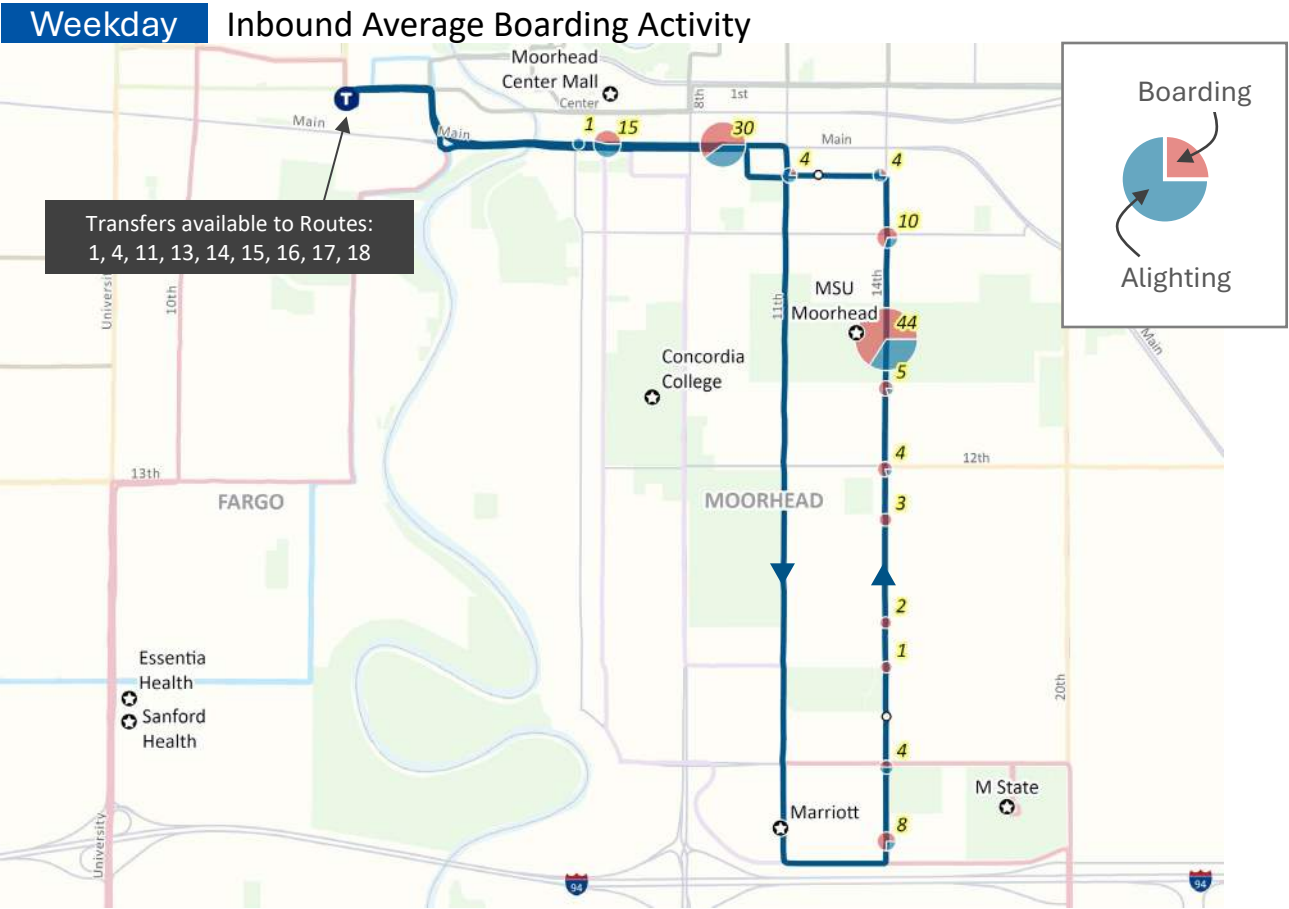
Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
GTC	281	1, 4, 11, 13, 14, 15, 16, 17, 18
Marriott Shelter #118	91	1, 3, 5
Shelter 128 MSUM	44	
Main Ave & 9th St S Corner SW	31	
Main Ave & 9th St S T interse	30	
Shelter 127 MSUM	28	
Main Ave & 5th St S Corner NE	15	
14th St S & 4th Ave S Corner	10	
11th St S & 4th Ave S Corner	9	
14th St S & 27th Ave S Corner	8	3

Average Boardings by Hour



Route 2 GTC to Marriott

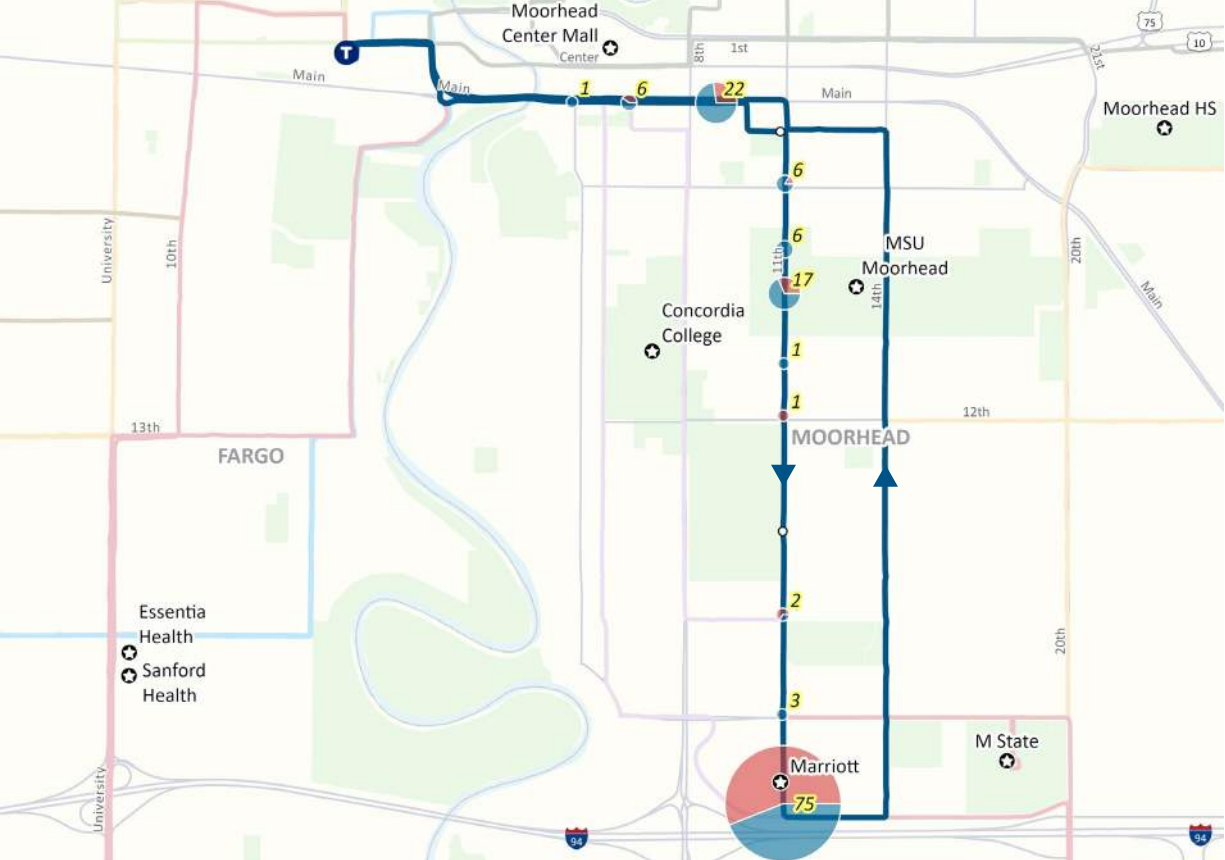


Route 2 GTC to Marriott

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 3 Marriott to EasTen Shopping Center

Route Description

Route 3 connects the Marriott to EasTen Shopping Center, which includes Target and Cash Wise. Along with this key shopping center, it also serves Moorhead High School. Cash Wise is the highest ridership destination on the route.

Buses on Route 3 runs every 30 minutes Monday through Saturday, with slightly reduced service hours on Saturday. Ridership per revenue hour is consistently high on weekdays and Saturday. Service is provided year-round.

Route 3 interlines with Route 1 at the Marriot.

Service Characteristics

	Weekdays	Saturday
Service Start	6:19 AM	7:19 AM
Service End	10:19 PM	10:19 PM
Headway (peak/midday/eve)	30/30/30	30/30/30
Average Daily Boardings	206	184
Boardings per Revenue Hour	11.44	10.82
Peak Vehicles	1	1
Average Distance Between Stops	1,178 feet (0.22 miles)	

Route Strengths

- Similar productivity on weekdays and Saturdays
- Relatively even ridership until 6 p.m.
- Service to major shopping destination
- Interline with Route 1 provides a single-seat ride to more destinations

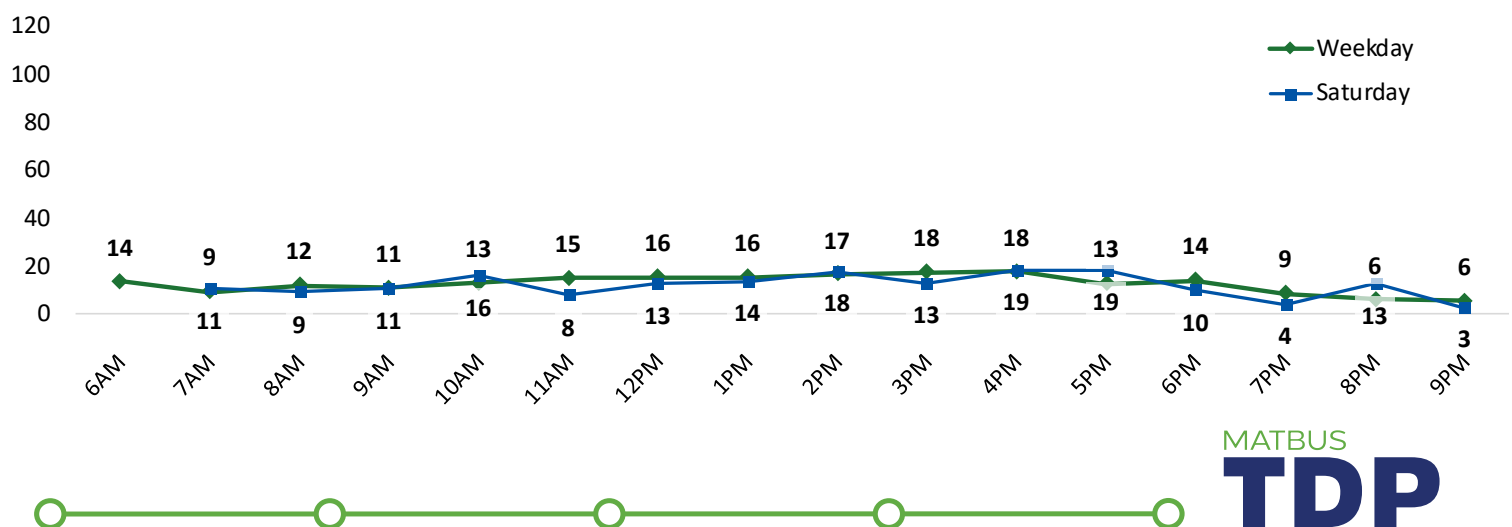
Route Opportunities

- Weekday ridership is strong on first trip of the day; consider earlier service
- Consider extension of this route to the Dilworth Walmart
- Consider bidirectional service focusing on 12th Avenue S where ridership is stronger

Top Weekday Boarding Activity Locations

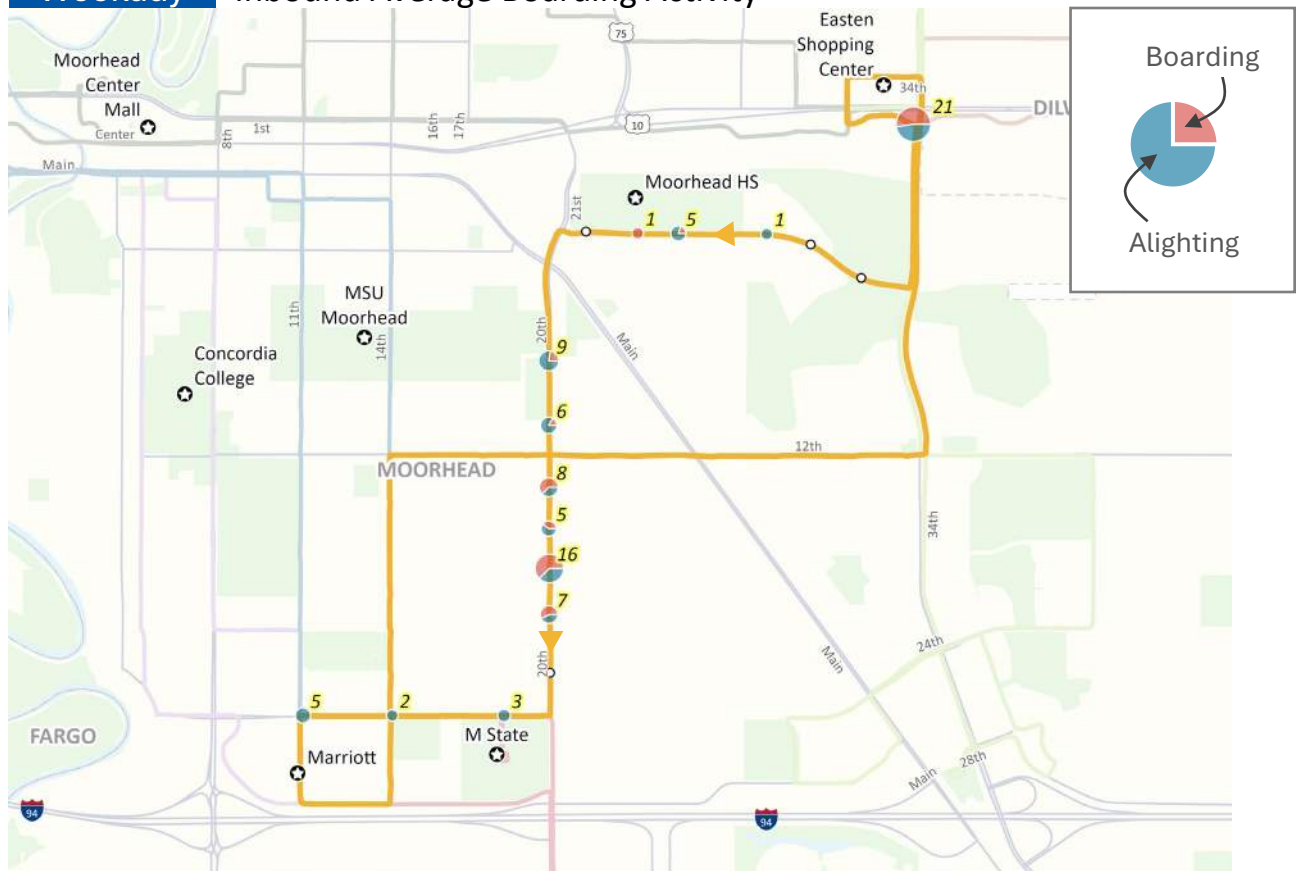
Stop	Boarding Activity	Available Transfers
MHD Cash Wise	72	
Marriott Shelter #118	52	1, 2, 5
12th Ave S & 18th St S Corner	30	
12th Ave S & 19 1_2 St S Corn	29	
12th Ave S & 34th St Cir S Sh	26	
Hwy 10 Frontage Rd & 34th St	21	
20th St S & 16th_18th Ave S S	16	
Shelter 109 Target	13	9
Shelter 124 Midblock	9	
20th St S & 8th Ave S Corner	9	

Average Boardings by Hour

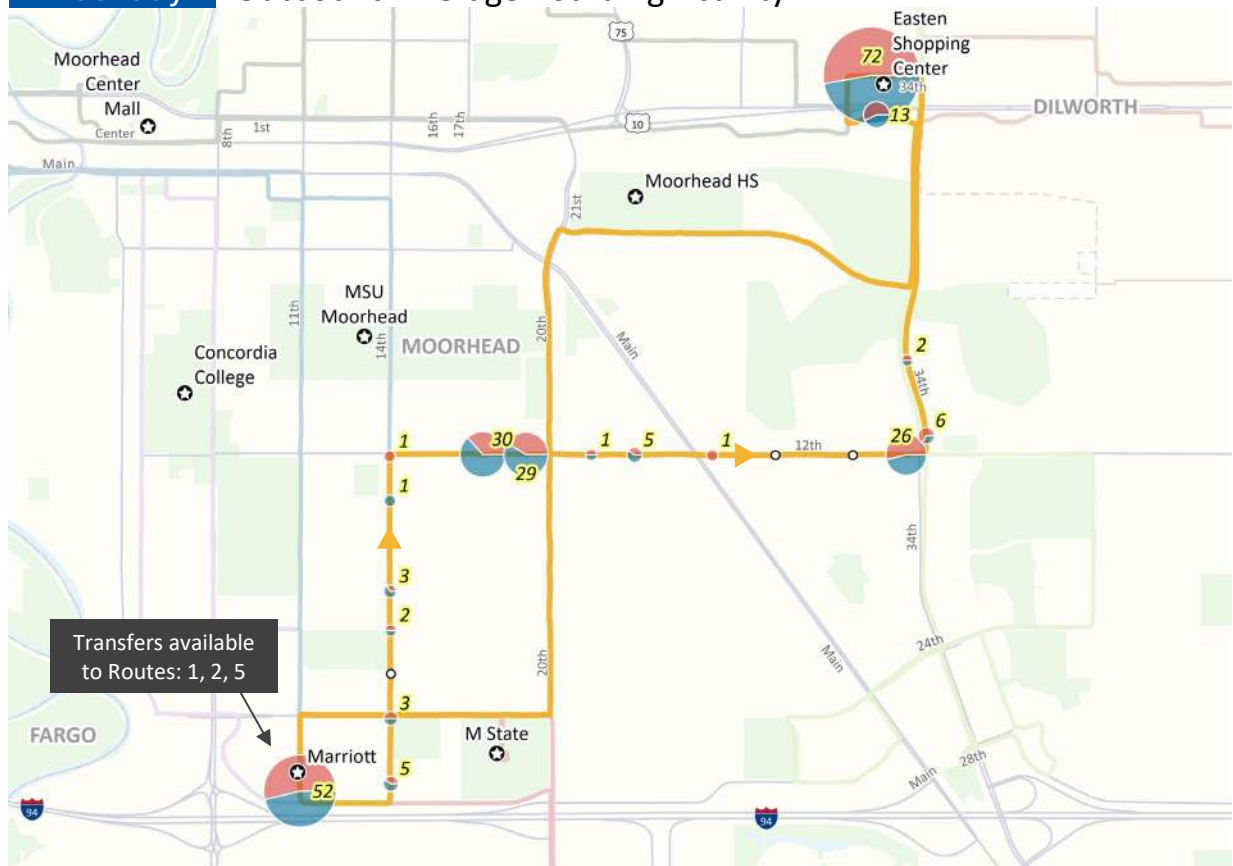


Route 3 Marriott to EastTen Shopping Center

Weekday Inbound Average Boarding Activity

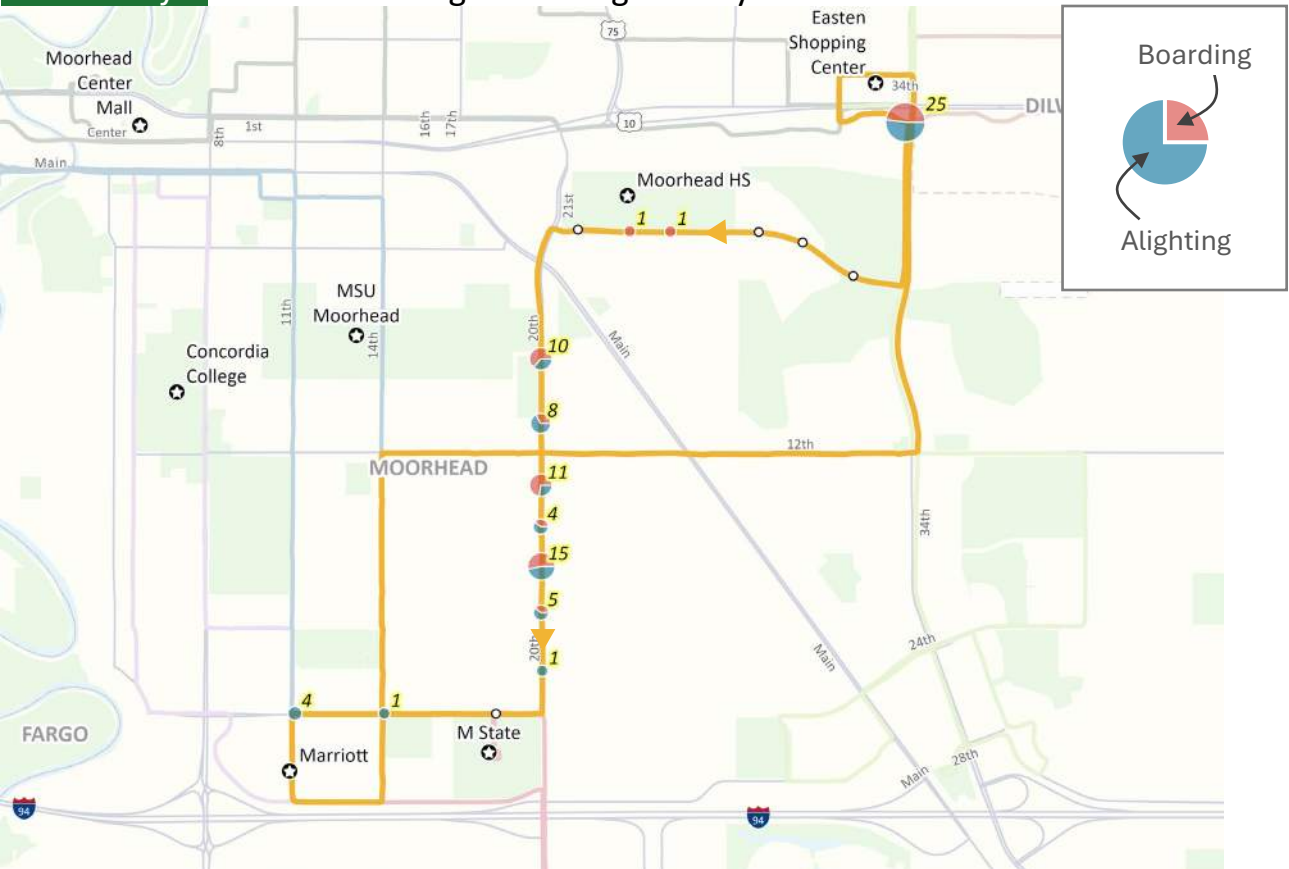


Weekday Outbound Average Boarding Activity

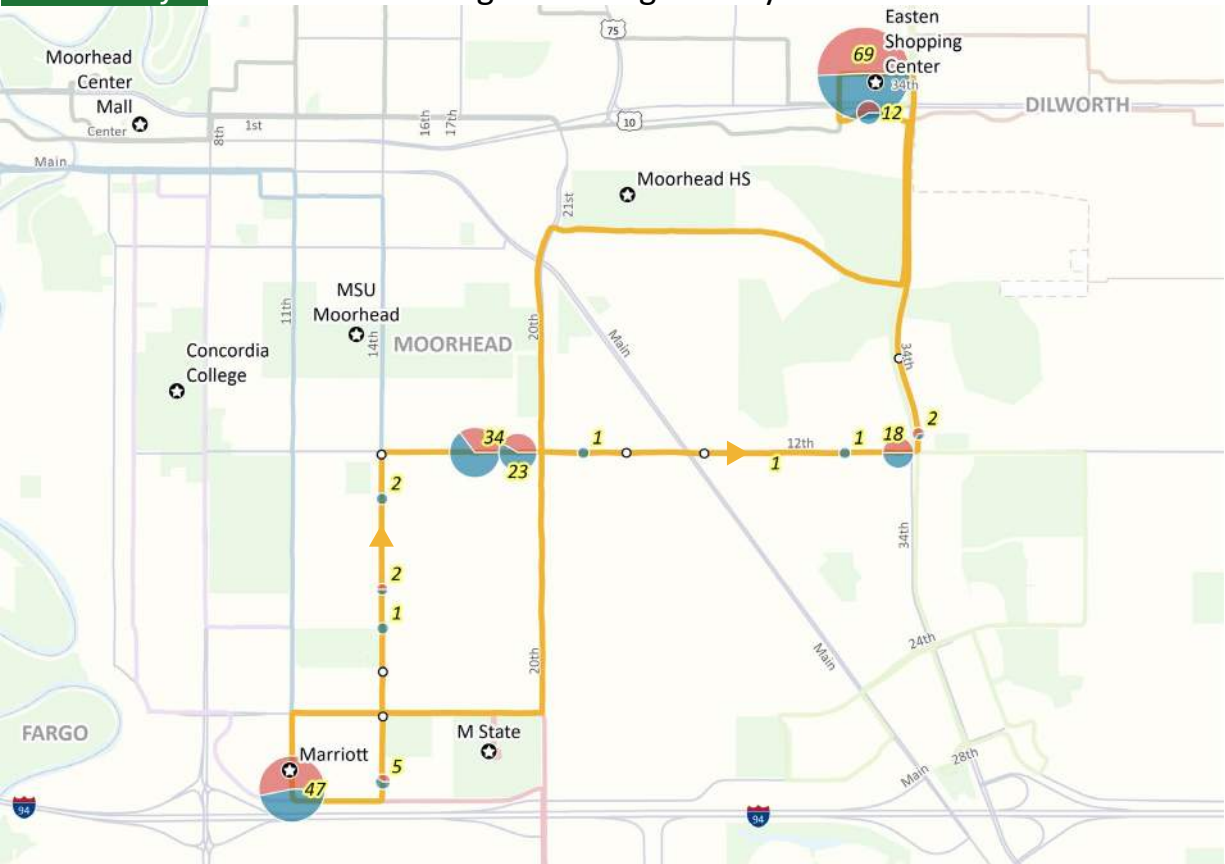


Route 3 Marriott to EastTen Shopping Center

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 4 GTC to Walmart

Route Description

Route 4 connects the GTC and the EasTen Shopping Center, primarily along 1st Avenue. It serves a variety of destinations in northern Moorhead, including Walmart, Churches United, and the Clay County Courthouse. Walmart is the highest ridership stop on the route other than the GTC. Route 4 is the highest ridership route in Moorhead.

Route 4 buses depart every 30 minutes on weekdays and Saturdays, with slightly reduced service hours on Saturdays. Service is provided year-round. In September 2023, Route 4 fell short of MATBUS's on-time performance standard of 90% of all trips arriving on time, with 89% of buses arriving on time. This is likely due to the 11th Street underpass project and resulting detours.

Service Characteristics

	Weekdays	Saturday
Service Start	6:16 AM	7:16 AM
Service End	10:16 PM	10:16 PM
Headway (peak/midday/eve)	30/30/30	30/30/30
Average Daily Boardings	479	389
Boardings per Revenue Hour	12.95	11.11
Peak Vehicles	2	2
Average Distance Between Stops	1,057 feet (0.2 miles)	

Route Strengths

- Strong ridership numbers that remain relatively constant across the day until about 8 p.m.
- Second highest ridership route on Saturday
- Service to several shopping destinations
- Transfers available to several routes

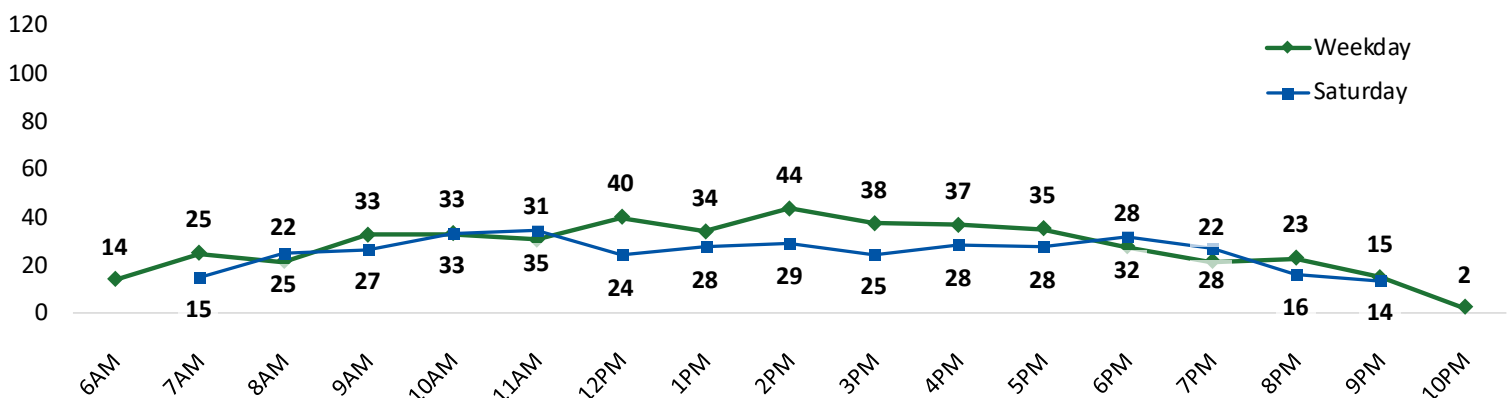
Route Opportunities

- Split alignment to 15th Avenue N has very low ridership; consider streamlining route and exploring an on-demand zone to cover this area (see Route 6)
- Potential for improved frequency on weekday during the midday period

Top Weekday Boarding Activity Locations

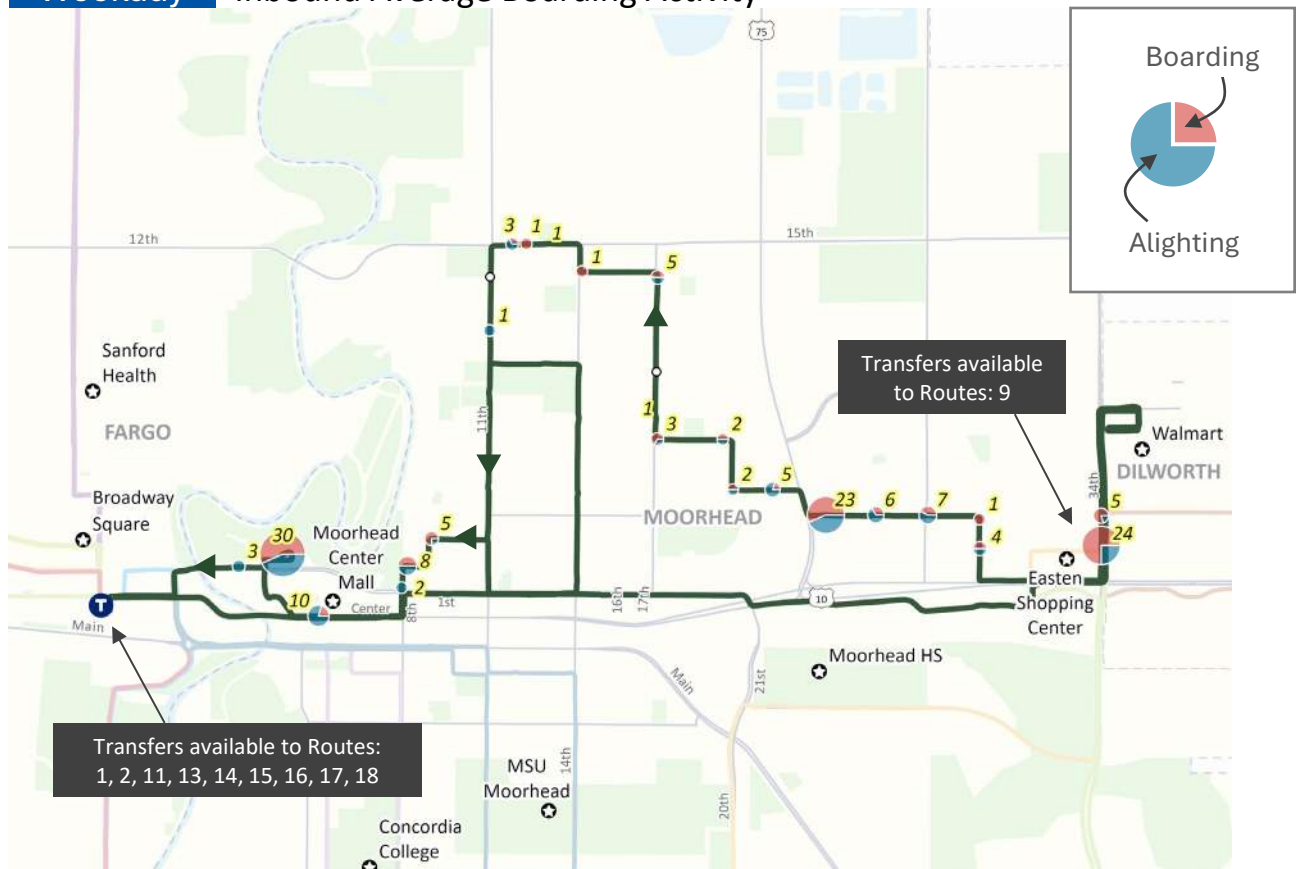
Stop	Boarding Activity	Available Transfers
GTC	369	1, 2, 11, 13, 14, 15, 16, 17, 18
Shelter 108 WalMart	181	6, 9
Shelter 105 Churches United	69	
Shelter 104 Clay County Court	63	
100 3rd St N Park View Entran	30	
34th St N & EasTen Mall - Mid	24	9
Shelter 106 North Side of Roa	23	
Shelter 107 34th St	21	6, 9
11th St N & 5th Ave N Corner	14	
Shelter 102 US Bank	13	

Average Boardings by Hour

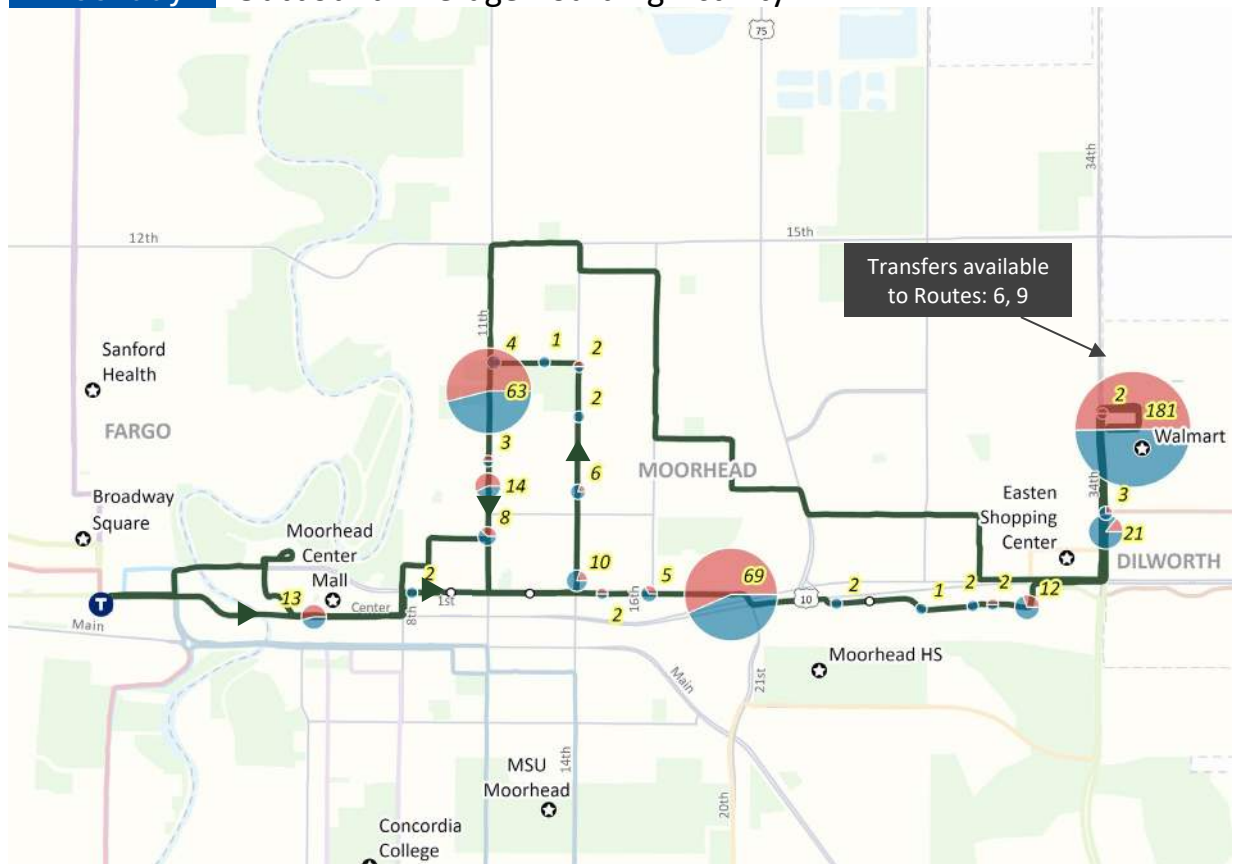


Route 4 GTC to Walmart

Weekday Inbound Average Boarding Activity

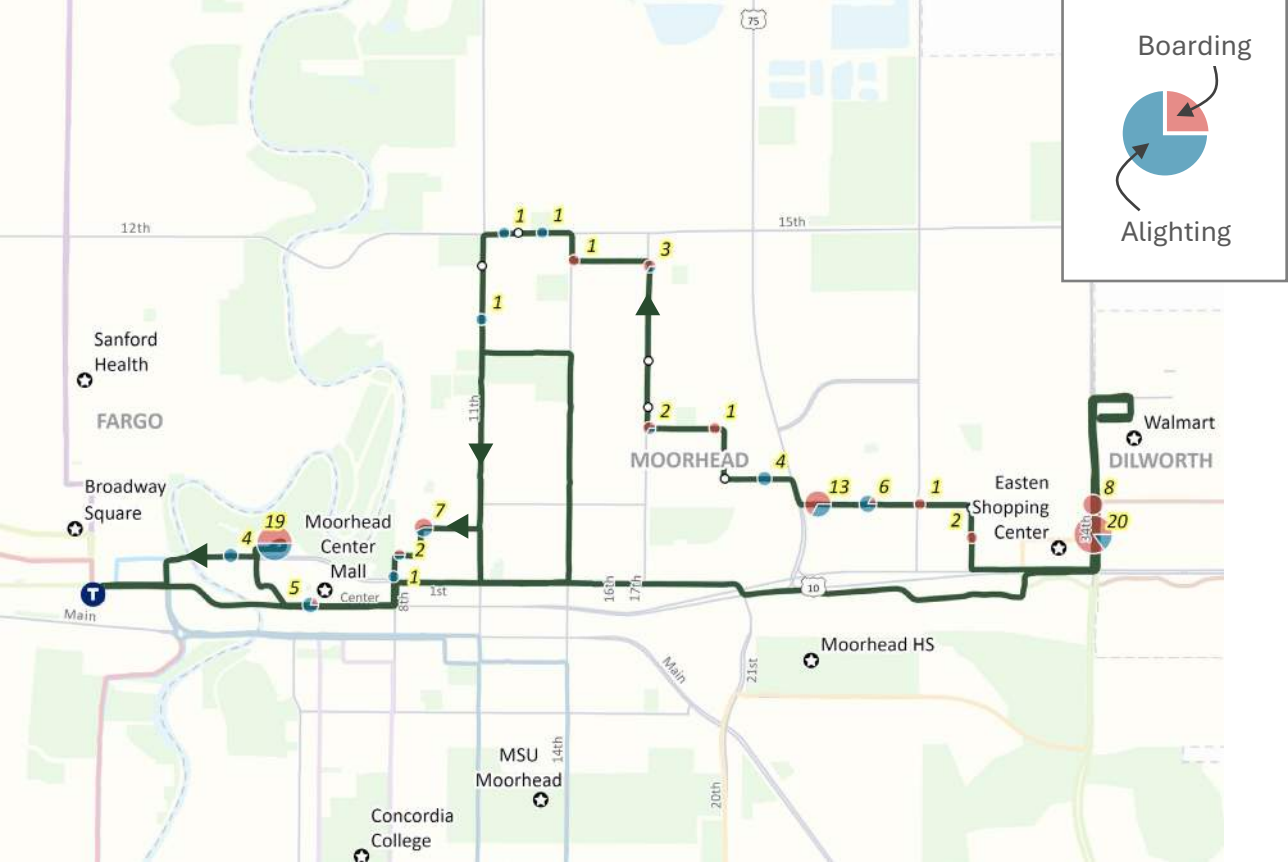


Weekday Outbound Average Boarding Activity

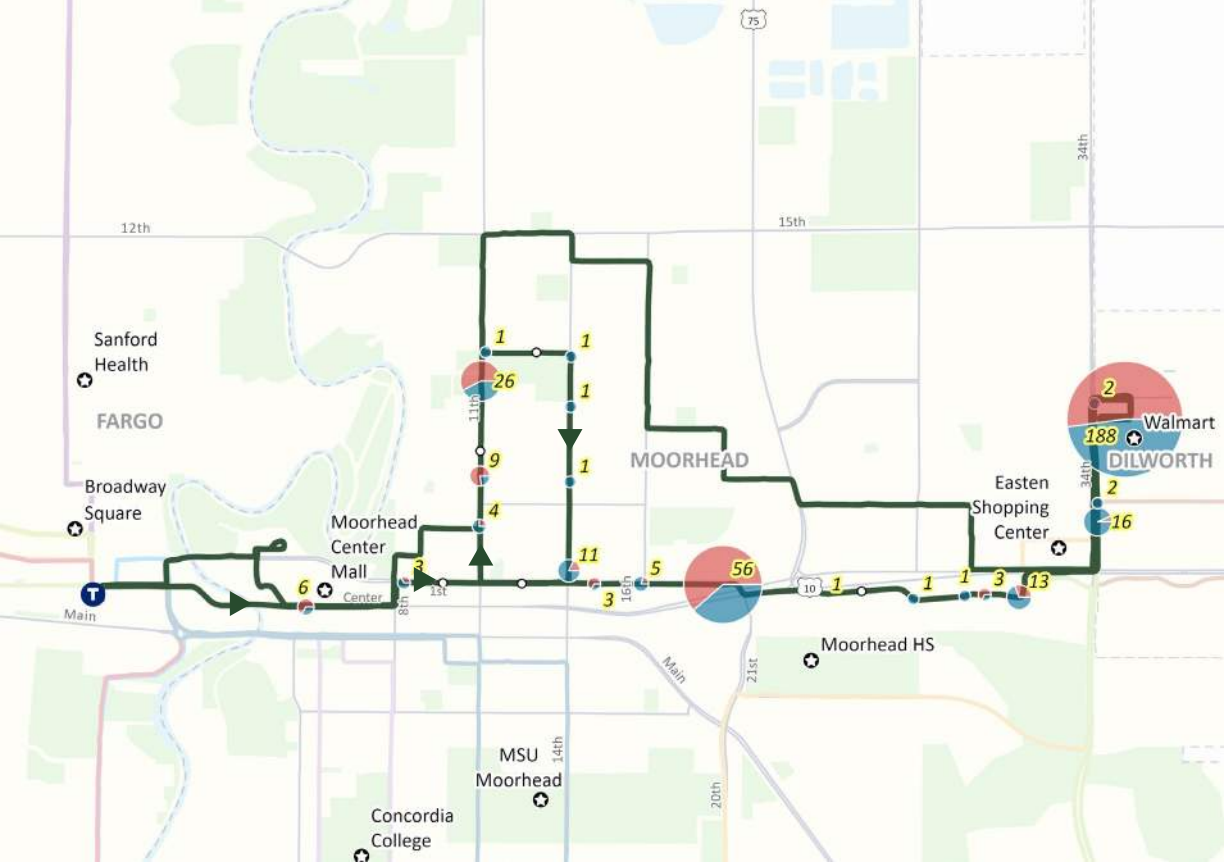


Route 4 GTC to Walmart

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 5 Marriott to Lakeland

Route Description

Route 5 is a relatively low ridership route that connects the Marriott, Minnesota State Community and Technical College, Hornbacher's, and the Days Inn. The Days Inn is the highest ridership stop on the route other than the Marriott shelter.

Route 5 runs every 30 minutes Monday through Saturday, with slightly reduced service hours on Saturdays. Service is provided year-round.

Route Strengths

- Relatively even ridership across the day
- Dispersed boardings across the route

Route Opportunities

- Potential to explore disconnecting this route from Route 2 to provide lower frequency in the evening after 5 p.m. and on Saturday

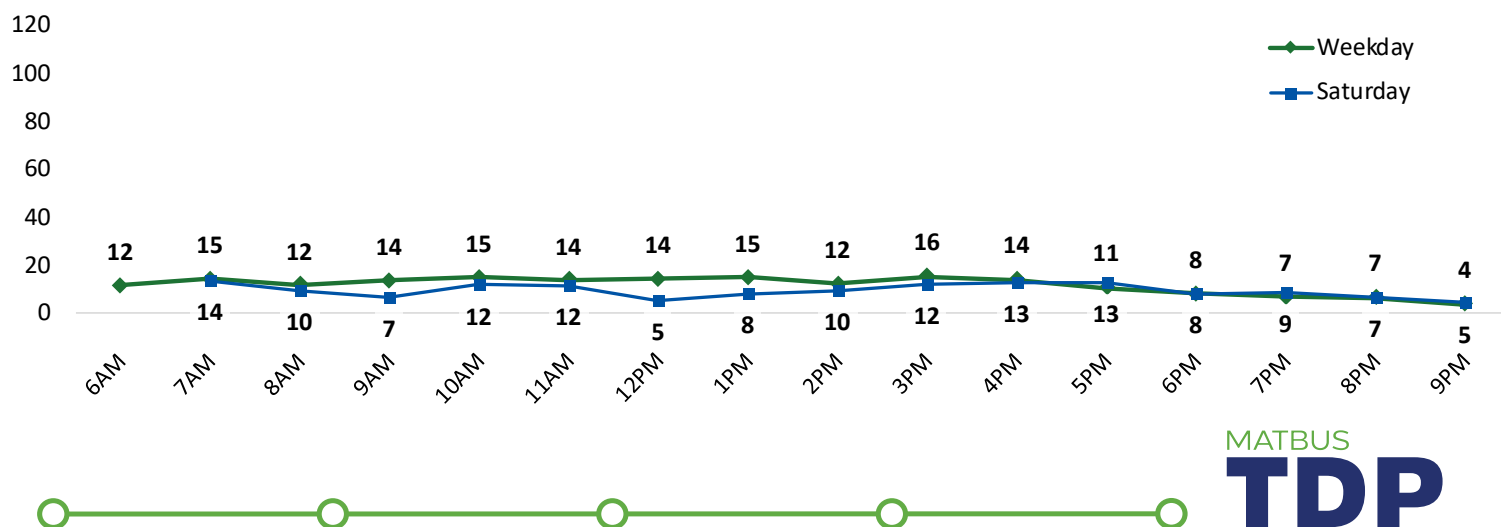
Service Characteristics

	Weekdays	Saturday
Service Start	6:16 AM	7:16 AM
Service End	10:16 PM	10:16 PM
Headway (peak/midday/eve)	30/30/30	30/30/30
Average Daily Boardings	190	136
Boardings per Revenue Hour	11.18	8.50
Peak Vehicles	1	1
Average Distance Between Stops	1,092 feet (0.21 miles)	

Top Weekday Boarding Activity Locations

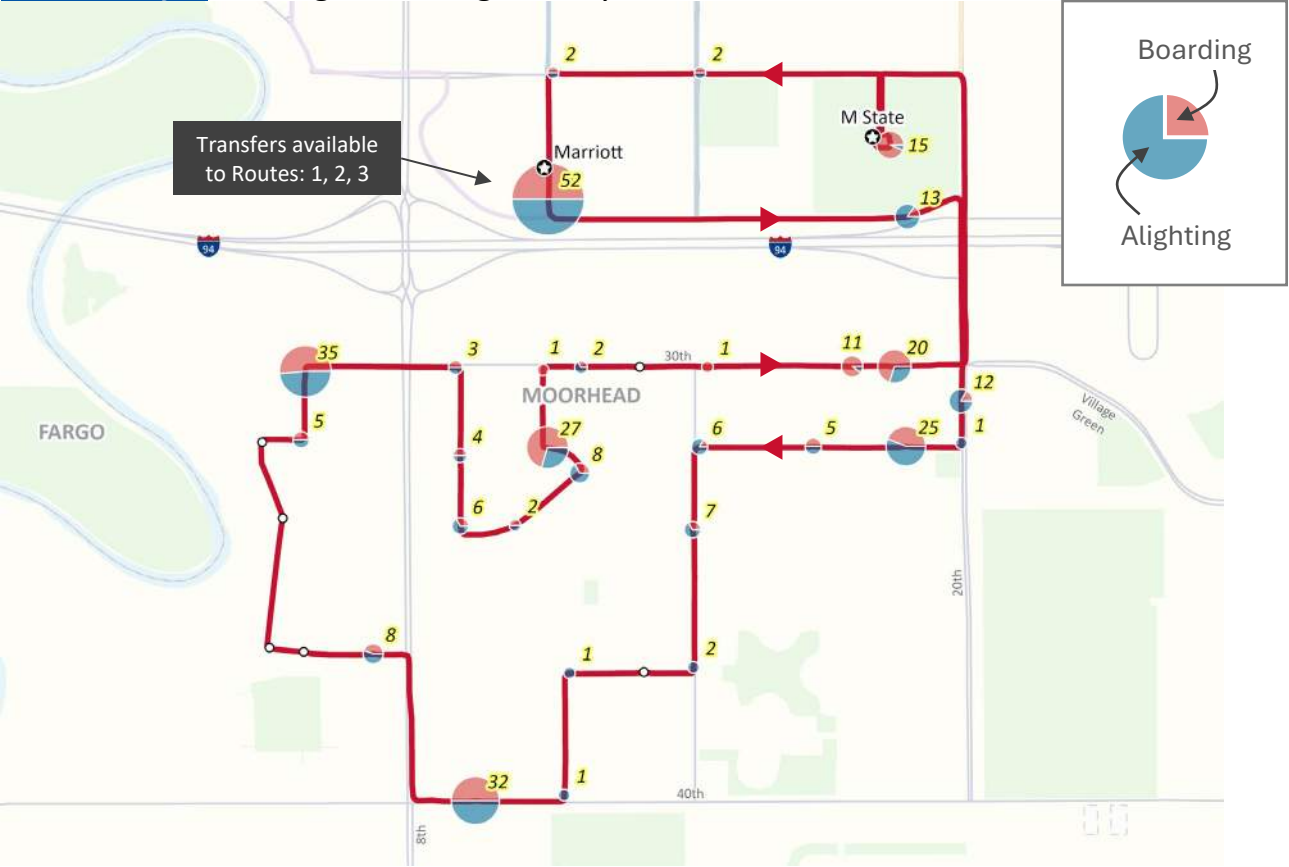
Stop	Boarding Activity	Available Transfers
Marriott Shelter #118	52	1, 2, 3
Shelter 115 Days Inn	35	
Hornbachers Corner NE	32	
32nd Ave S & 11th St S Corner	27	
Belsly Blvd & 18th St S Corne	25	
30th Ave S & 18th St S Corner	20	
M State Parking Lot Door N-2	15	
Shelter 111 M State	13	
20th St S & 30th Ave S Mdblo	12	
30th Ave S & 17th St S Corner	11	

Average Boardings by Hour

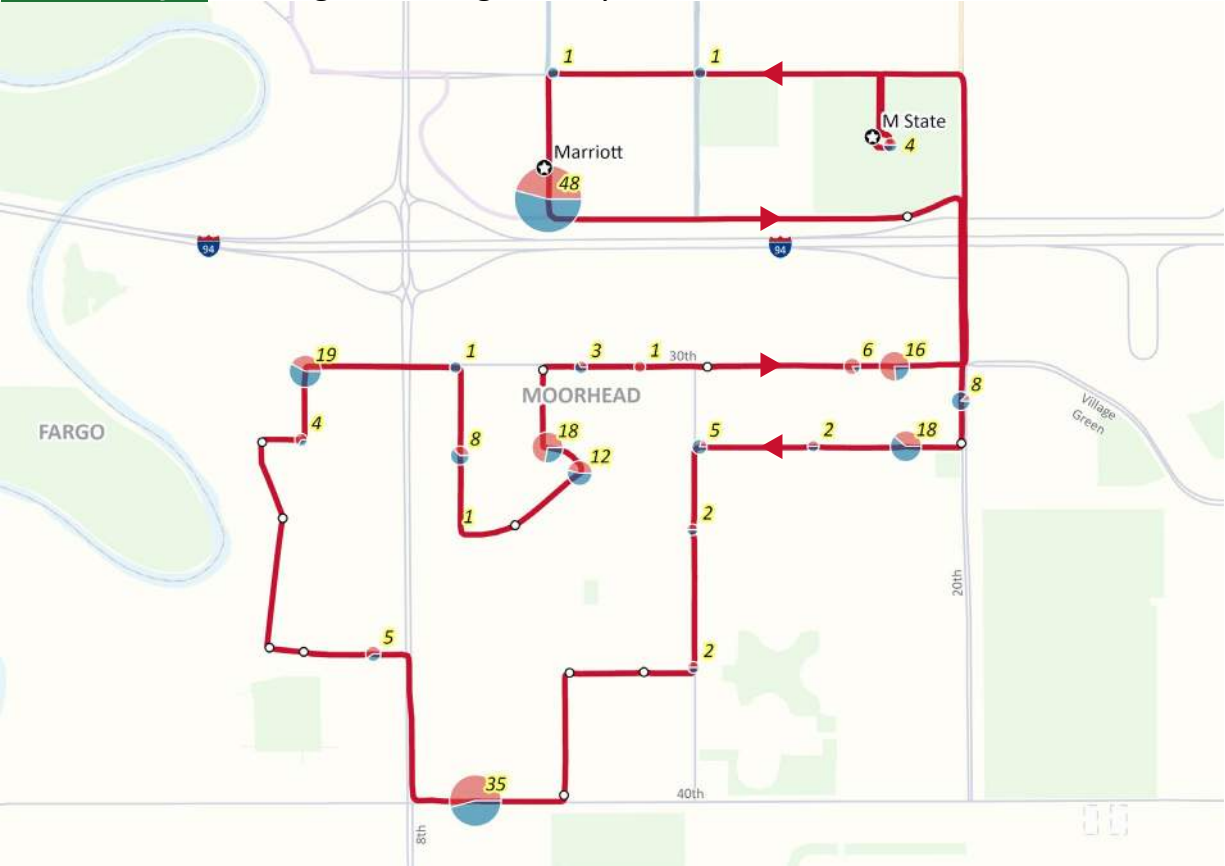


Route 5 Marriott to Lakeland

Weekday Average Boarding Activity



Saturday Average Boarding Activity



Route 6 Dilworth

Route Description

Route 6 is a low-ridership route connecting the neighborhoods of Dilworth to shopping along 34th Street. This route serves the Dilworth Walmart, the Dilworth Community Center, Dilworth Elementary, Dilworth City Hall, CVS Pharmacy. Walmart is the highest ridership stop on the route.

Buses on Route 6 depart every hour on weekdays and Saturdays, with reduced service hours on Saturdays. Service ends at 7 PM on weekdays and 6:00 PM on Saturdays. In September 2023, Route 6 fell just short of on-time standards with 89% of trips arriving on time.

Service Characteristics

	Weekdays	Saturday
Service Start	6:40 AM	7:40 AM
Service End	7:03 PM	6:03 PM
Headway (peak/midday/eve)	60/60/NA	60/60/NA
Average Daily Boardings	51	30
Boardings per Revenue Hour	8.50	5.00
Peak Vehicles	0.5	0.5
Average Distance Between Stops	1,015 feet (0.19 miles)	

Route Strengths

- Even ridership across the day
- Service to key shopping destination

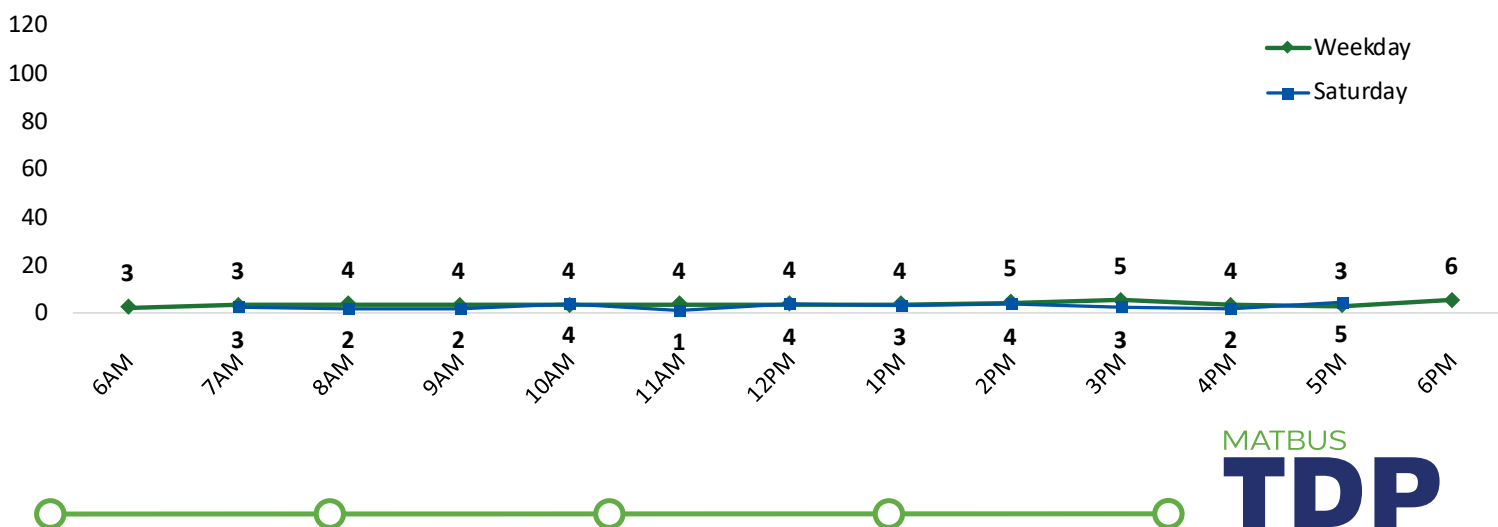
Route Opportunities

- Consider deviation to EasTen Shopping Center to facilitate transfers to Route 3
- Explore options for on-demand zone in this area, especially on weekends
- Explore option to extend route to serve new development on 15th Avenue N

Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
Shelter 108 WalMart	18	4, 9
7th St SE & Center Ave - Far S	15	
1st Ave NW & 5th St NW Corner	4	
Shelter 107 34th St (AXIS)	4	4, 9
Houge Estates	3	
1st Ave NE & 2nd St NE Corner	3	
1st Ave NW & Dilworth Communit	2	
1st Ave SE & Main St Corner N	2	
Hwy 10 Frontage Rd & 9th St SW	2	
3rd Ave NW & 34th St N - Far S	2	

Average Boardings by Hour

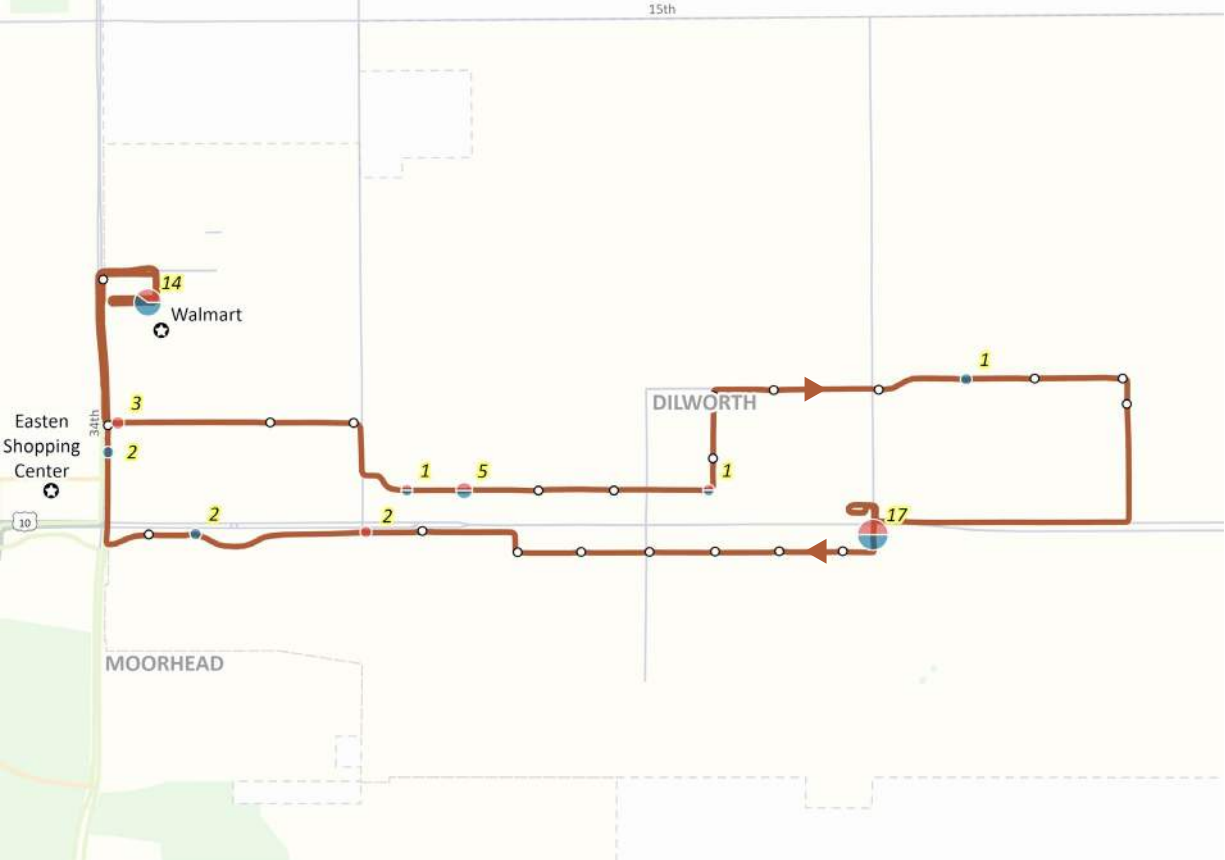


Route 6 Dilworth

Weekday Average Boarding Activity



Saturday Average Boarding Activity



Route 9 Walmart to Sanford

Route Description

Route 9 is a very low ridership route connecting Walmart in the north to Sanford Health in the south. Part of the route is bidirectional on 34th Street S, with looping on the southern portion of the route. Walmart is the highest ridership stop on the route.

Buses on Route 9 run every hour on weekdays and Saturdays, with longer service hours on Saturday. Service ends at 5:30 PM on weekdays and 6:30 PM on Saturdays. On both weekdays and Saturdays, Route 9 has the lowest boardings per revenue hour out of the entire system. Route 9 fell short of performance standards in February 2023, with 89% of buses arriving on time.

Route Strengths

- Serves key shopping destination

Route Opportunities

- Minor reliability issues suggest potential for route streamlining
- Consider on-demand service in this area, especially on Saturday

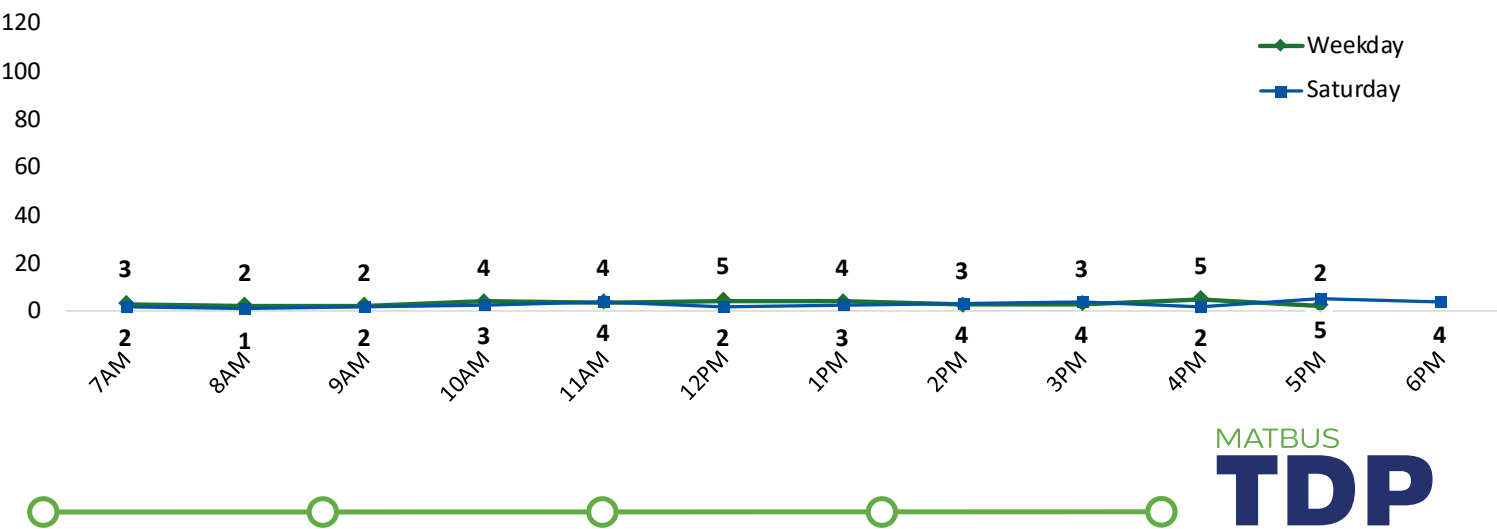
Service Characteristics

	Weekdays	Saturday
Service Start	7:10 AM	7:10 AM
Service End	5:35 PM	6:35 PM
Headway (peak/midday/eve)	60/60/NA	60/60/NA
Average Daily Boardings	39	33
Boardings per Revenue Hour	5.57	4.71
Peak Vehicles	0.5	0.5
Average Distance Between Stops	1,792 feet (0.34 miles)	

Top Weekday Boarding Activity Locations

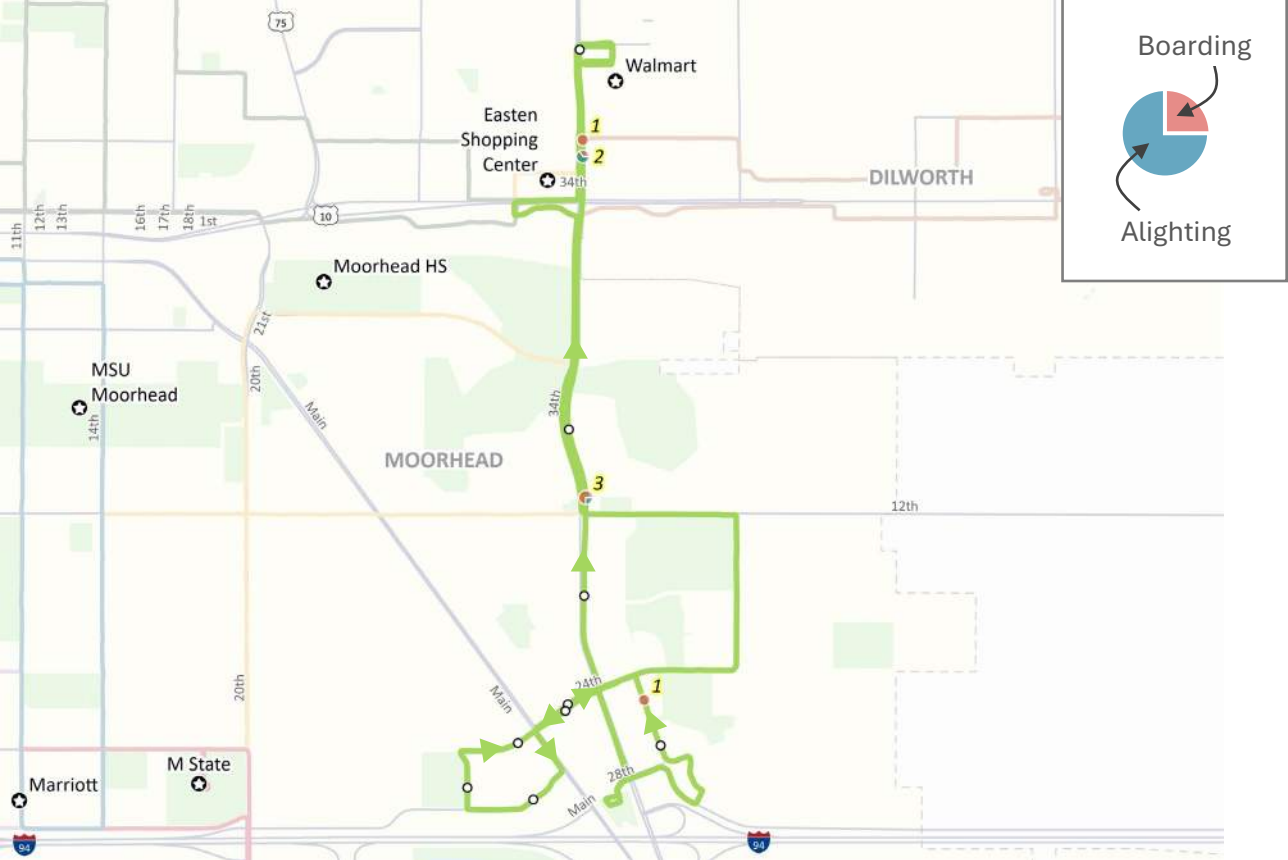
Stop	Boarding Activity	Available Transfers
Shelter 108 WalMart	13	4, 6
34th St S & Vista Center Midb	12	
Shelter 109 Target	3	3
12th Avenue S & 36th Street So	3	
34th St S & Near 12th Ave S C	3	
34th St N & EasTen Mall - Mid	3	4
Shelter 107 34th St	2	4, 6
26th Ave S & Holiday Station	1	
36th St S & 24th Ave S Middlo	1	
14th St S & 27th Ave S Corner	8	3

Average Boardings by Hour

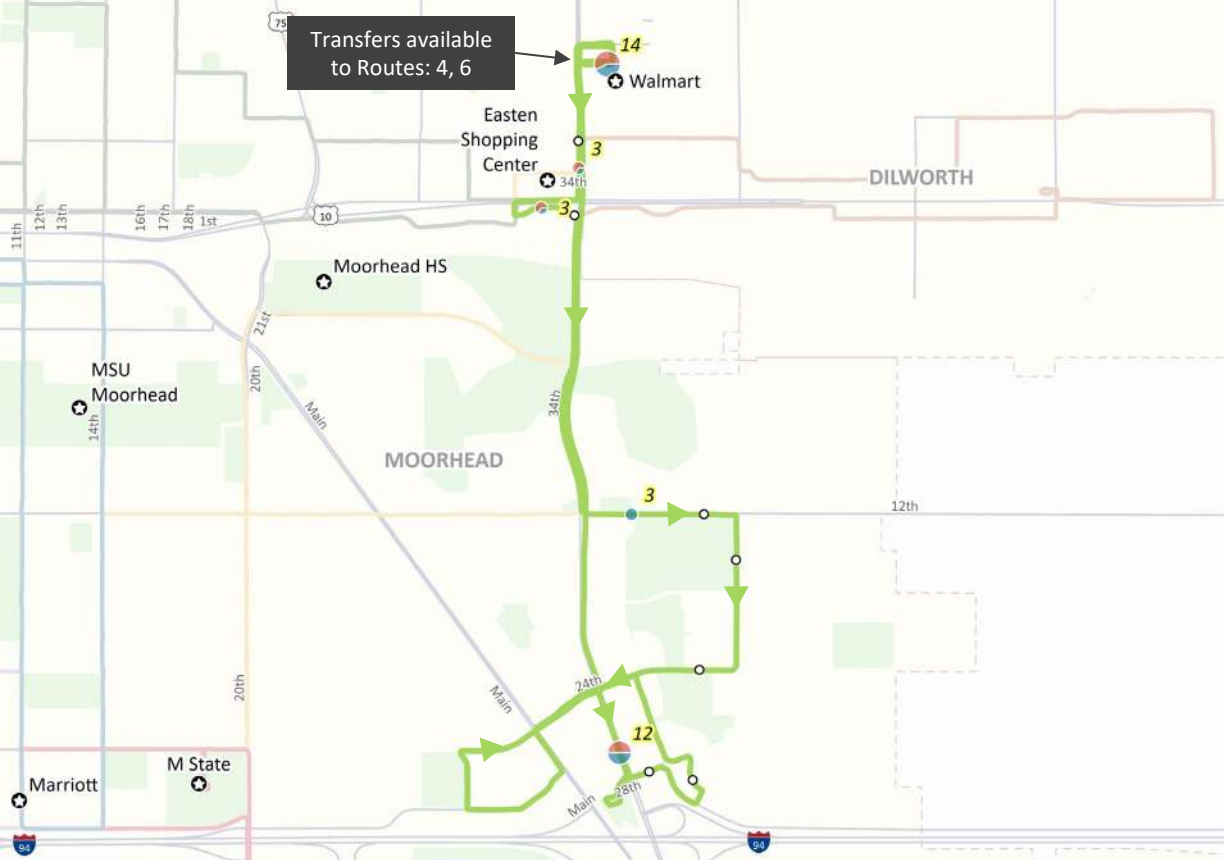


Route 9 Walmart to Sanford

Weekday Inbound Average Boarding Activity

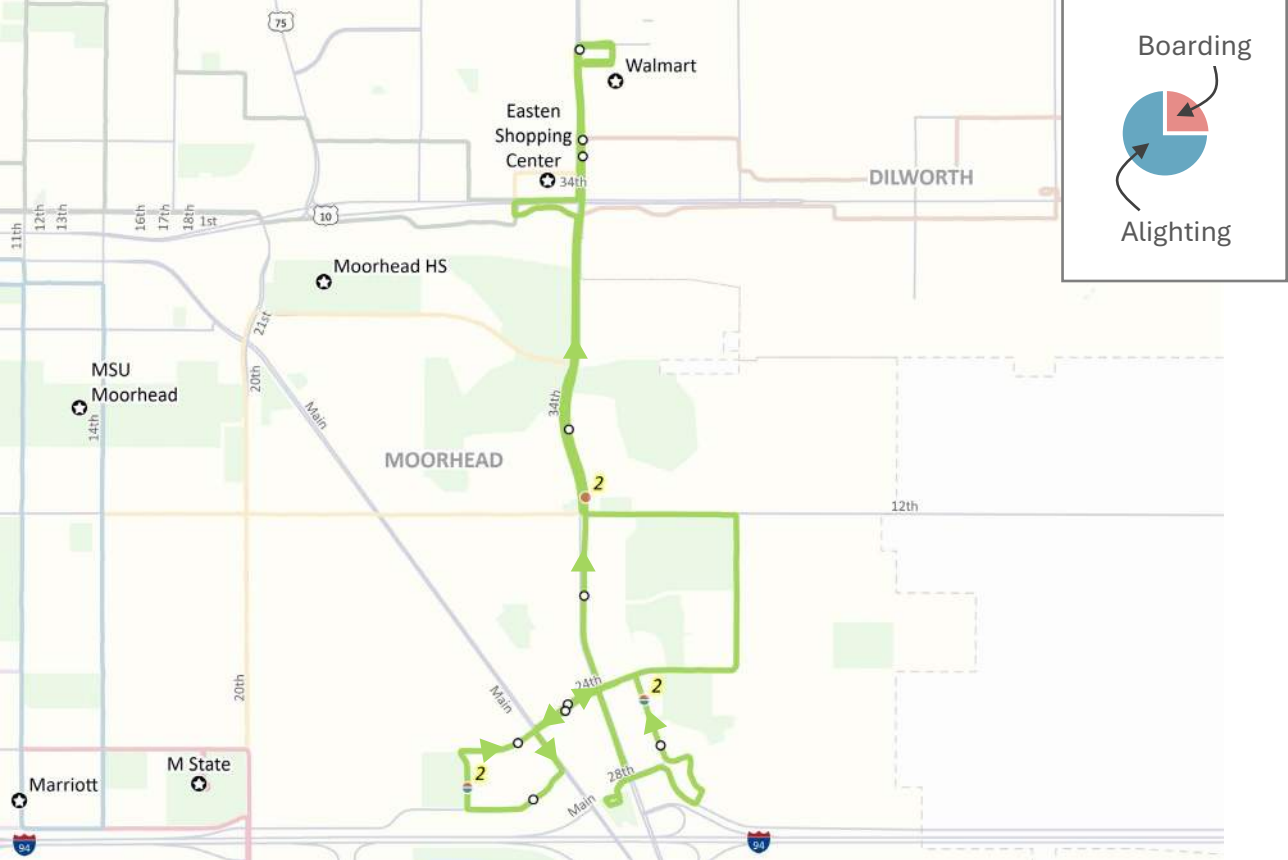


Weekday Outbound Average Boarding Activity

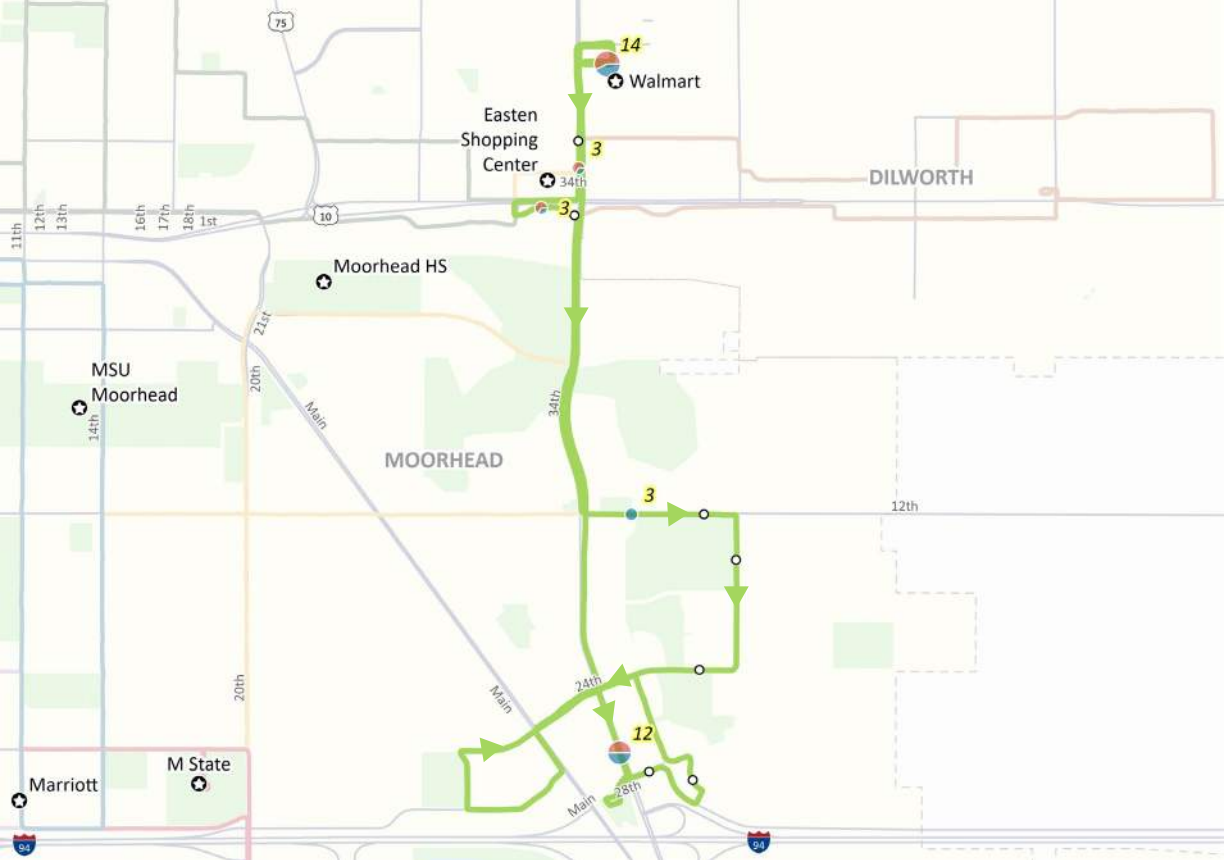


Route 9 Walmart to Sanford

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 11 GTC to VA Hospital

Route Description

Route 11 serves the Broadway corridor in Fargo connecting the GTC to the VA Hospital (on Elm Street N) and the Hornbacher's/Northport Shopping Center on N. Broadway and 25th Avenue N. Other major destinations on Route 11 include the core of Downtown Fargo, Fargo North High School, and Sanford Hospital at N. Broadway and 7th Avenue N.

Route 11 operates Monday through Saturday with hourly service in the evening after 6:00 p.m. and slightly reduced service hours on Saturday. Service on Route 11 is provided throughout the year.

Route Strengths

- Direct and mostly bidirectional route
- Strong destination on north end
- Consistent ridership throughout the day until about 7:00 PM
- Several transfers available

Route Opportunities

- Strong ridership at north end of route, suggesting potential demand for service expansion

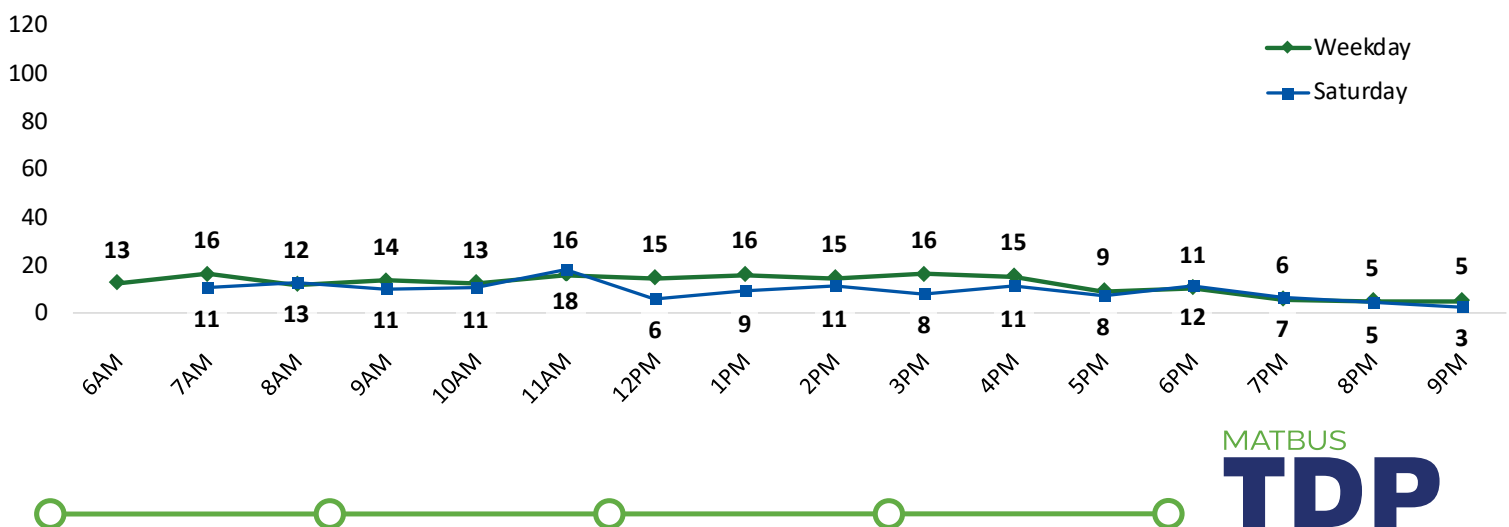
Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	10:10 PM	10:10 PM
Headway (peak/midday/eve)	30/30/60	30/30/60
Average Daily Boardings	196	148
Boardings per Revenue Hour	10.89	8.71
Peak Vehicles	1	1
Average Distance Between Stops	929 feet (0.18 miles)	

Top Weekday Boarding Activity Locations

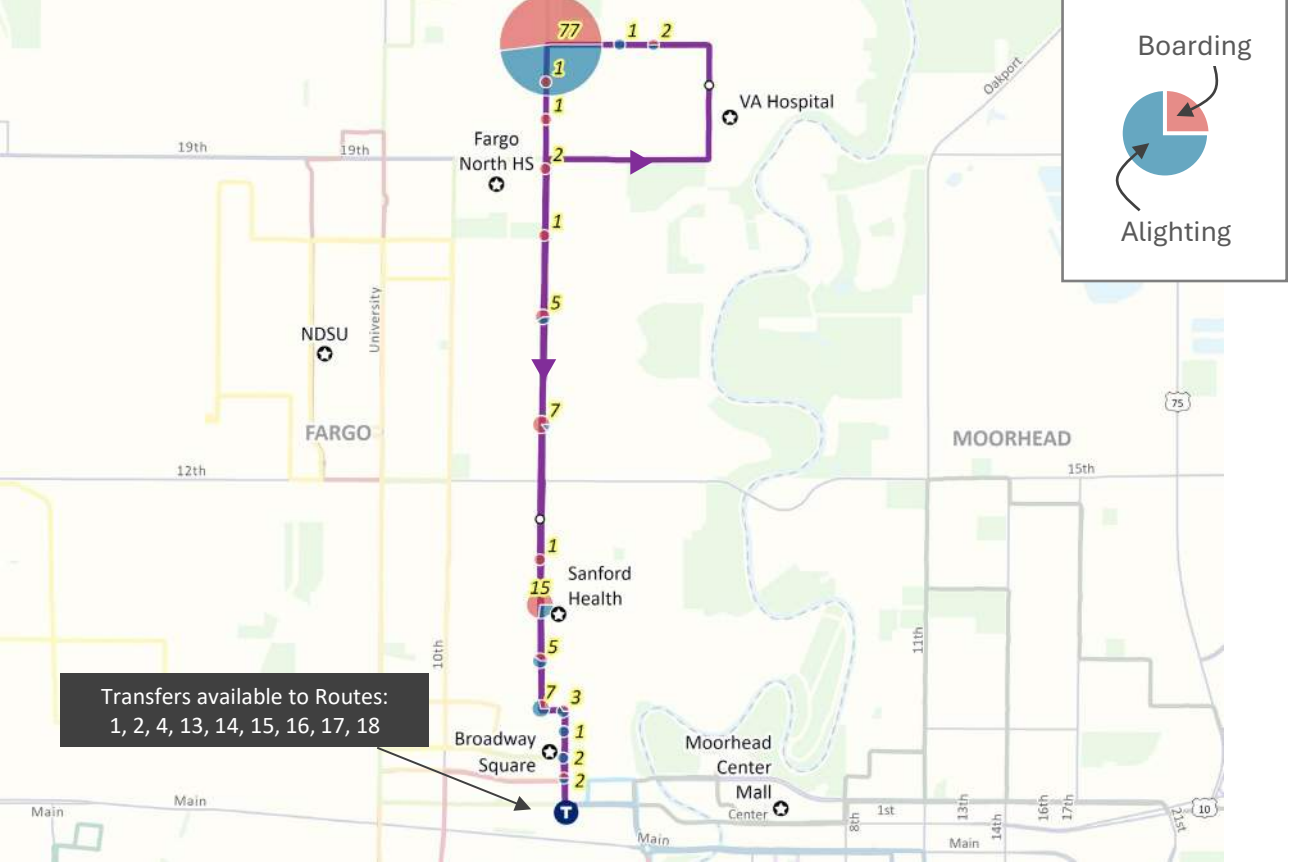
Stop	Boarding Activity	Available Transfers
Shelter 271 Gate City Bank	77	
GTC	76	1, 2, 4, 13, 14, 15, 16, 17, 18
Shelter 223 Sanford Health	20	
Shelter 209 VA Hospital	20	
Shelter 242 Sanford Hospital	14	
Broadway N & 14th Ave N Corne	10	
Shelter 267 Immanuel Lutheran	8	
Shelter 222 Broadway & 15th A	7	
4th Ave N & Broadway N Corner	7	
Broadway N & 4th Ave N Corner	7	

Average Boardings by Hour

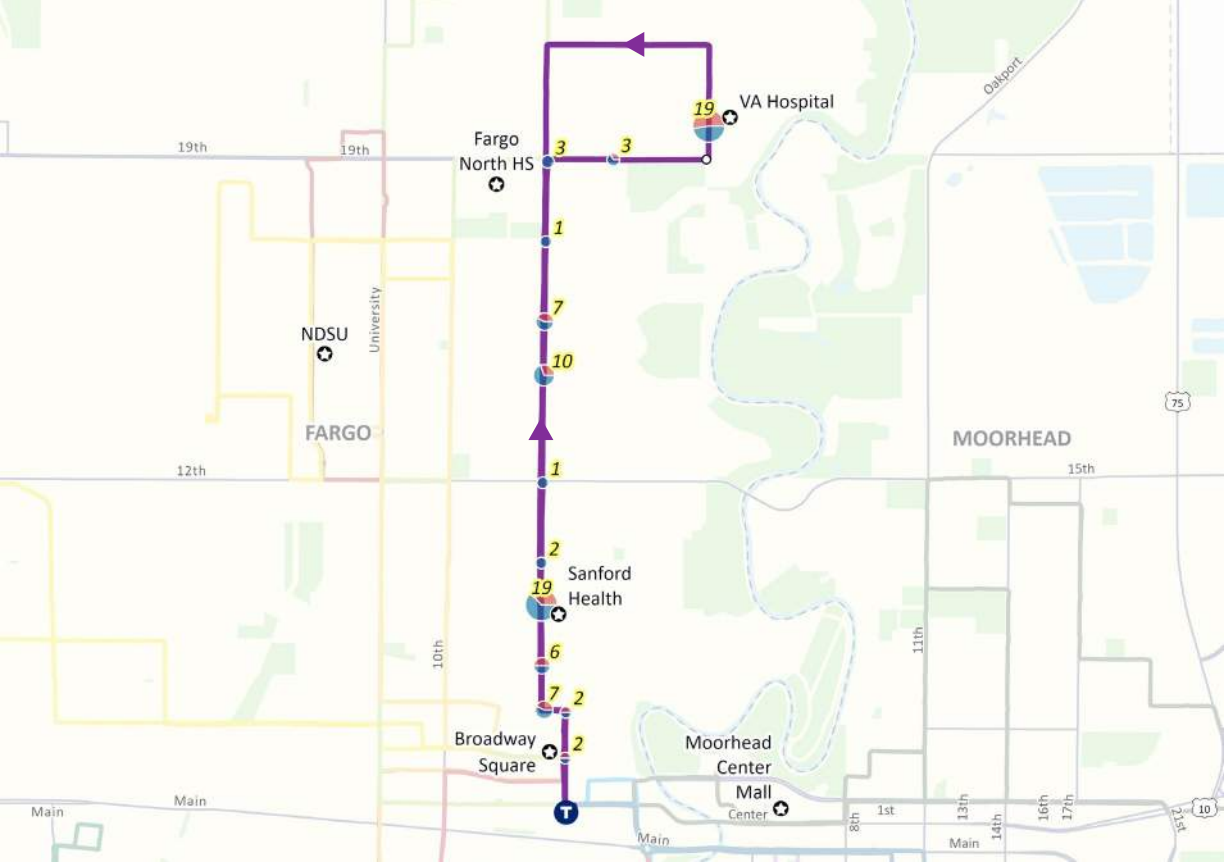


Route 11 GTC to VA Hospital

Weekday Inbound Average Boarding Activity

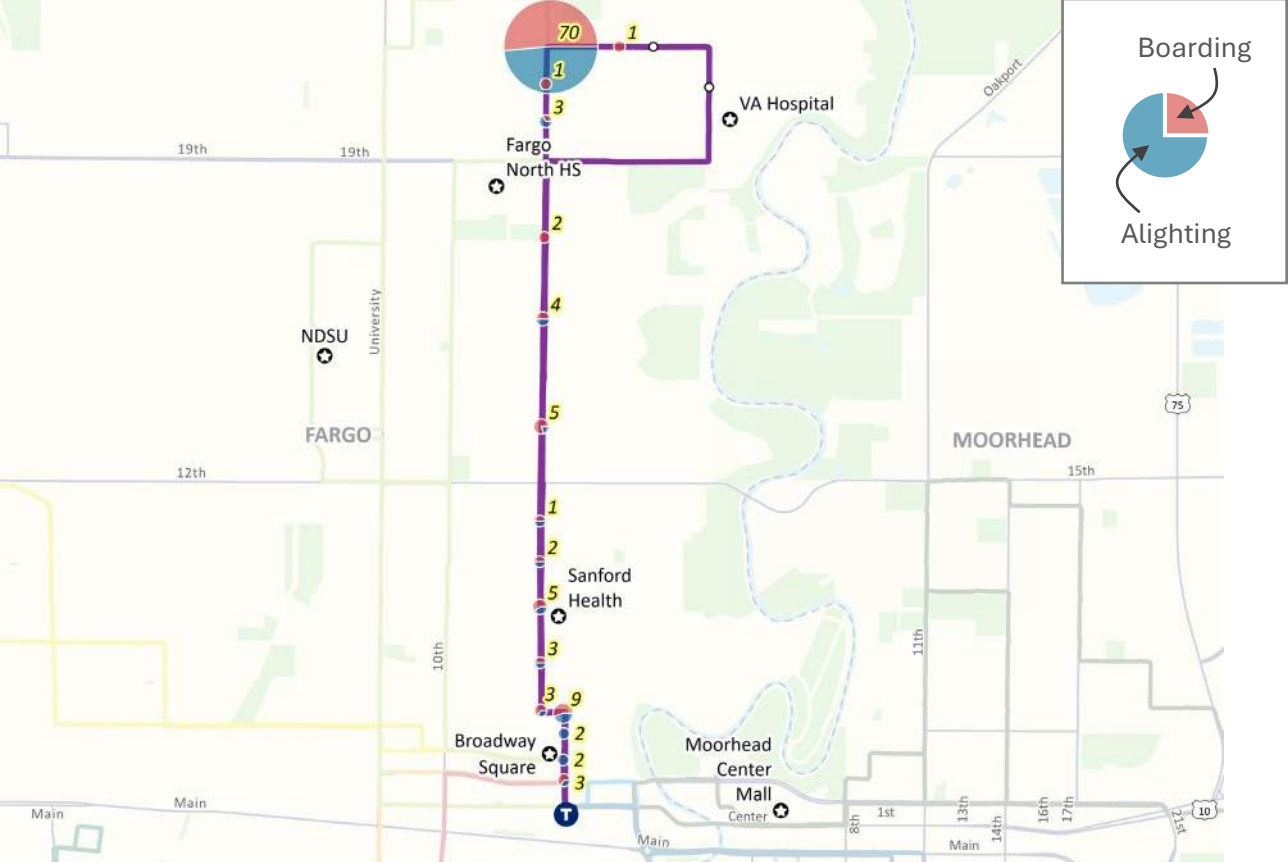


Weekday Outbound Average Boarding Activity

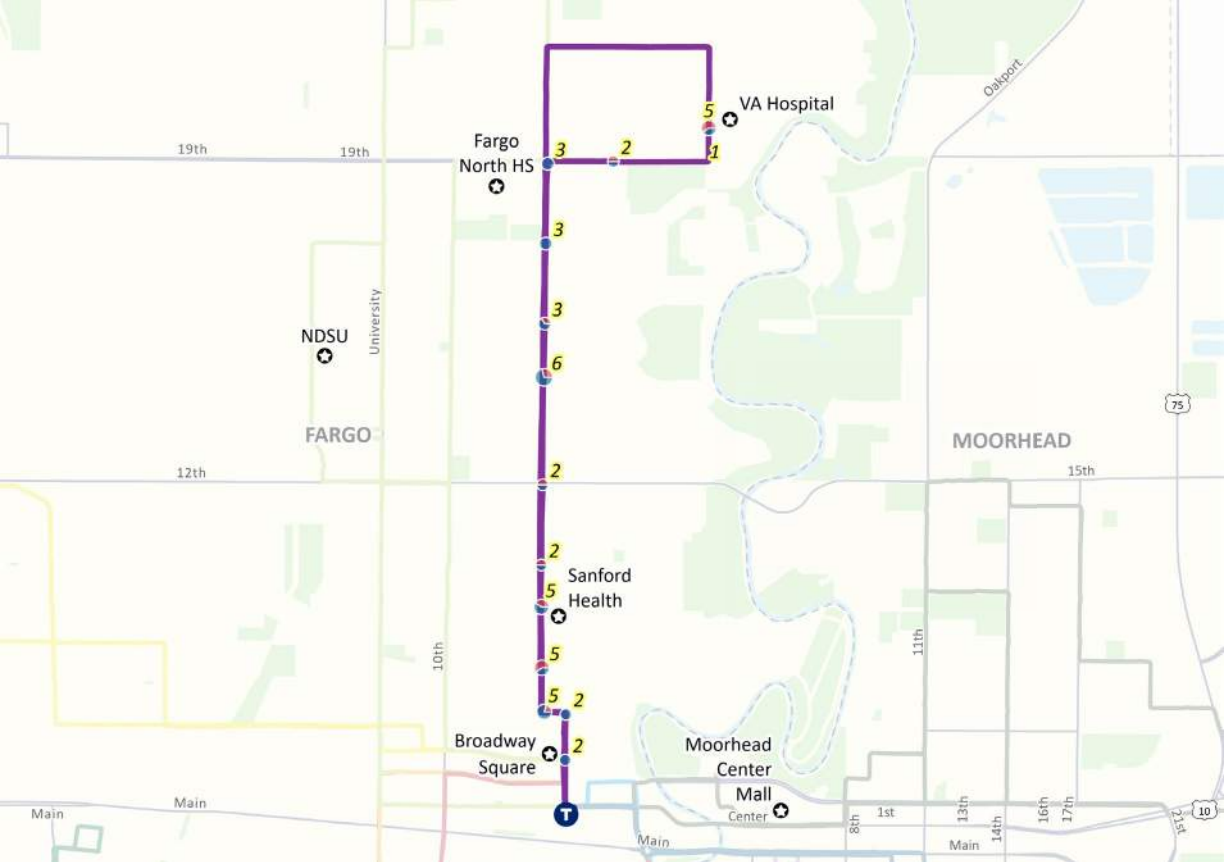


Route 11 GTC to VA Hospital

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 13 GTC to NDSU

Route Description

Route 13 is a relatively high ridership route in north Fargo connecting the GTC to North Dakota State University (NDSU), Fargo North High School, North Dakota State College of Science (NDSUS), and Roosevelt Elementary. Other than the GTC, the highest ridership stops are the NDSU Transit Hub and Barry Hall.

Buses on Route 13 run every 30–60 minutes on weekdays and Saturdays, with slightly reduced service hours on Saturday. The route deviates during events held at the Fargodome. Service is provided year-round. This route is supplemented by Route 33 that operates very frequent service during the NDSU academic year.

Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	10:10 PM	10:10 PM
Headway (peak/midday/eve)	30/30/60	60/60/60
Average Daily Boardings	517	227
Boardings per Revenue Hour	16.68	14.19
Peak Vehicles	2	1
Average Distance Between Stops	883 feet (0.17 miles)	

Route Strengths

- Above-average productivity for weekdays and Saturdays
- Ridership peaks in the late morning and mid-afternoon
- Serves a variety of educational institutions
- Several transfers available

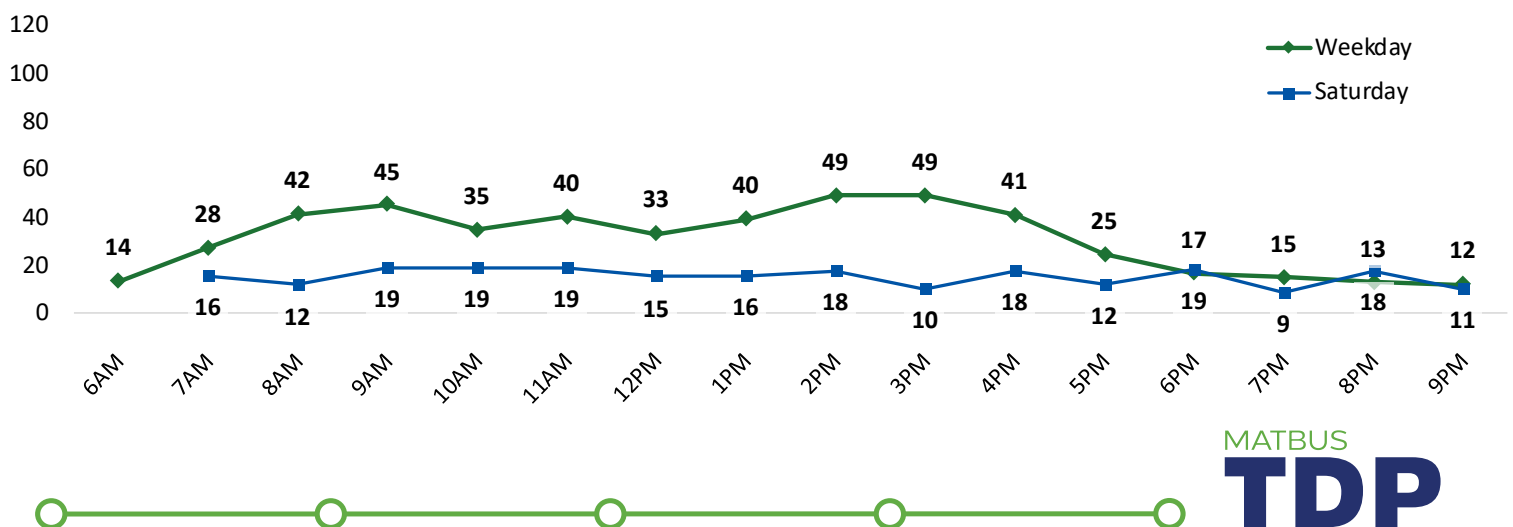
Route Opportunities

- The alignment on the north end of the route is circuitous and ridership is low on 10th Street and 12th Street N; consider a terminal loop and bidirectional service on Broadway north of 19th Avenue N.

Top Weekday Boarding Activity Locations

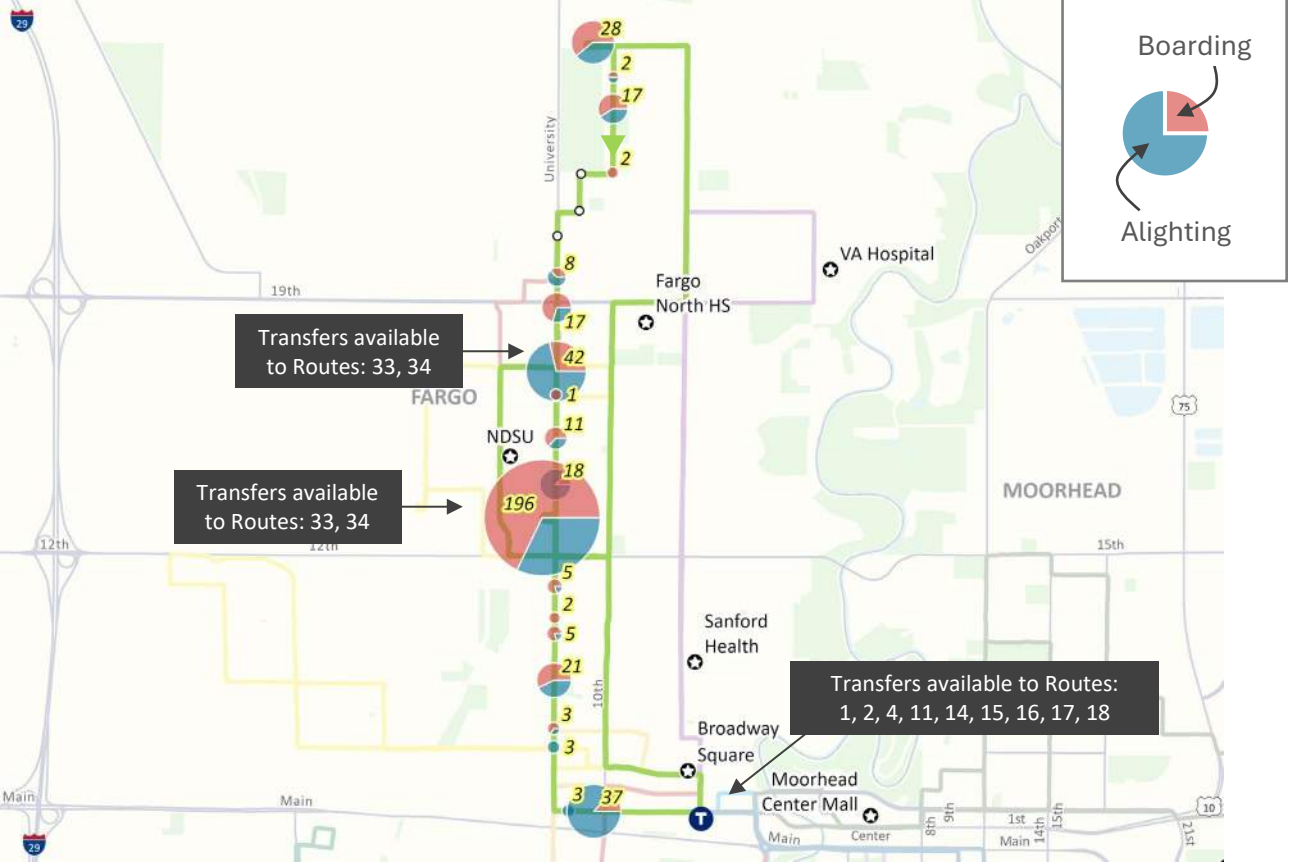
Stop	Boarding Activity	Available Transfers
GTC	198	1, 2, 4, 11, 14, 15, 16, 17, 18
Shelter 220 NDSU Transit Hub	196	33, 34
NDSU Minard Hall Pullout East	45	34
Shelter 217 SHAC	42	33, 34
NP Ave N & 11th St N_10th St N	37	
2nd Ave N & NDSU R H Barry Hal	36	17, 33
U 32 Apartment Complex	29	
Shelter 247 Centennial Blvd	26	34
Shelter 229 North Port	26	
Shelter 251 Albrecht Blvd	25	34

Average Boardings per Hour



Route 13 GTC to NDSU

Weekday Inbound Average Boarding Activity

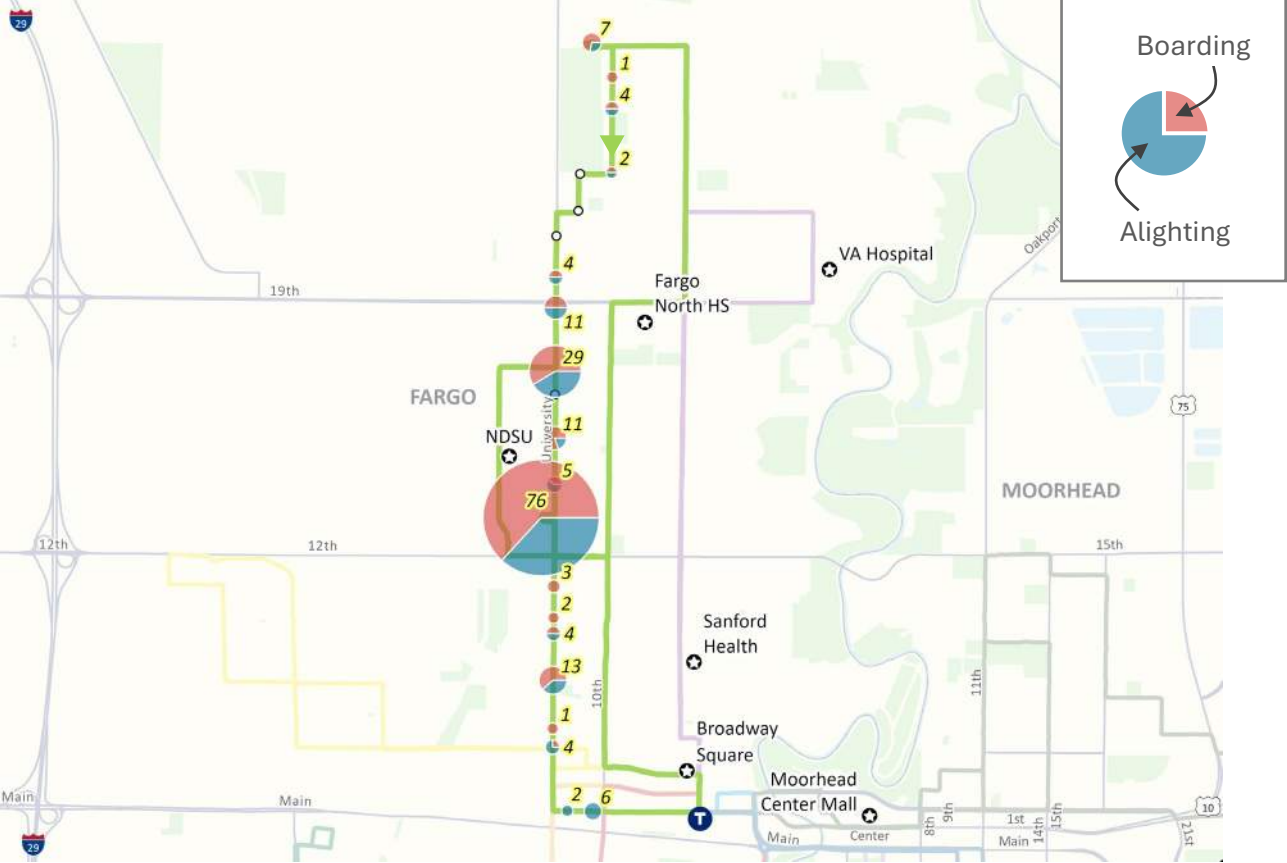


Weekday Outbound Average Boarding Activity

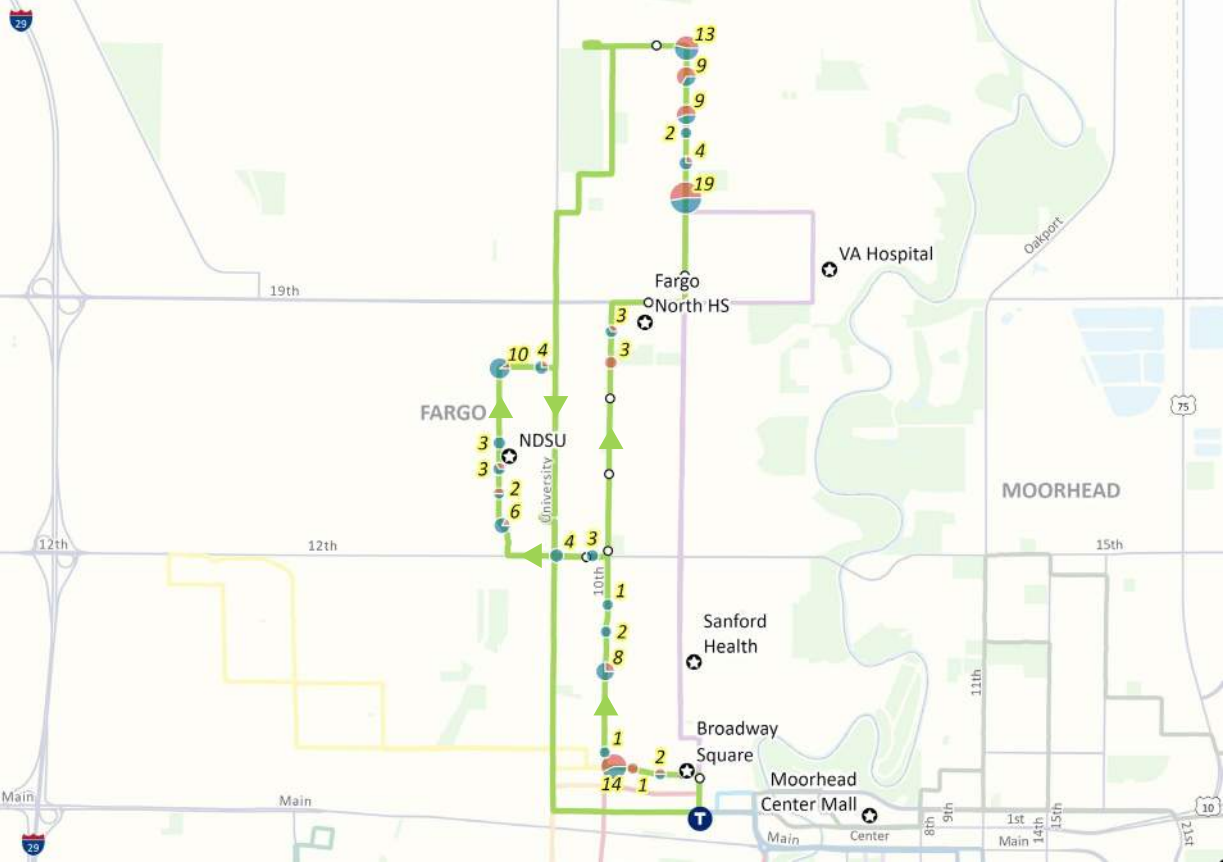


Route 13 GTC to NDSU

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 14 GTC to West Acres

Route Description

Route 14 is a moderately high ridership serving downtown Fargo and connecting the GTC to the West Acres Mall. It is a mostly bidirectional route, with buses traveling along 42nd Street S, 32nd Avenue S, and University Drive S. West Acres is the highest ridership stop on the route.

Route 14 operates Monday through Saturday, with buses departing every 30 minutes during the morning and afternoons, and buses departing hourly in the evening. Service hours are slightly shorter on Saturday, and the route operates year-round. In September 2023, 89% of trips were on time.

Service Characteristics

	Weekdays	Saturday
Service Start	6:10 AM	7:10 AM
Service End	10:10 PM	10:10 PM
Headway (peak/midday/eve)	30/30/60	30/30/60
Average Daily Boardings	423	309
Boardings per Revenue Hour	9.40	7.02
Peak Vehicles	3	3
Average Distance Between Stops	1,272 feet (0.24 miles)	

Route Strengths

- Consistent boardings across the day until 5 p.m.
- Serves major shopping destination
- Several transfers available

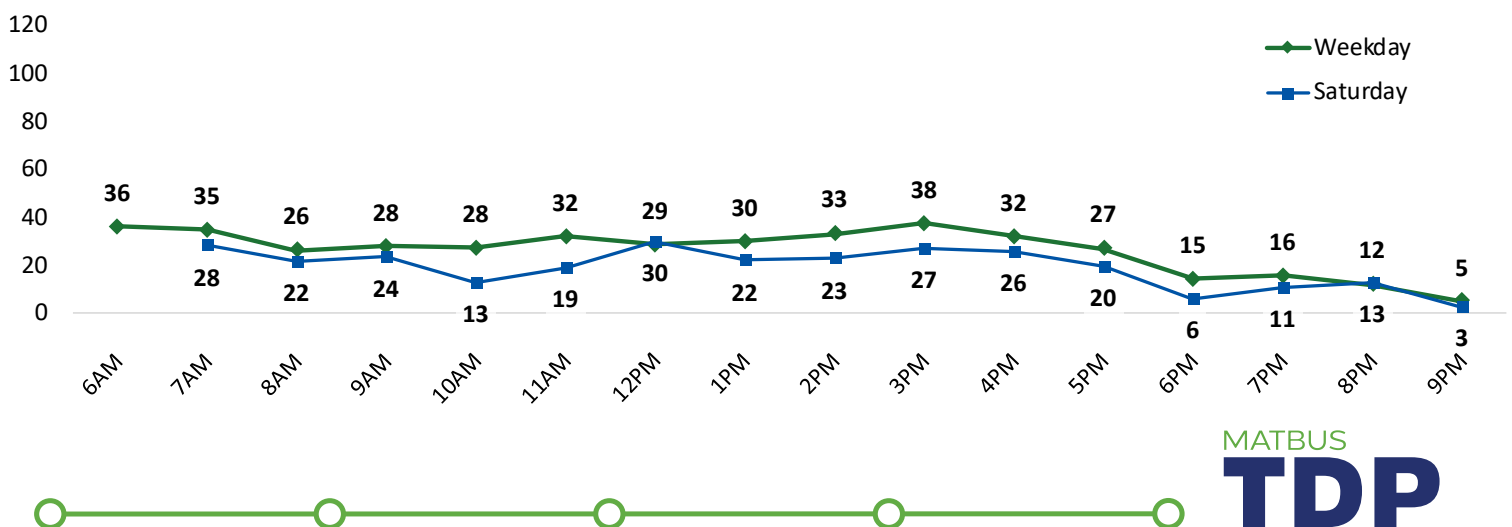
Route Opportunities

- Ridership on the first trip of the day on both weekdays and Saturday is strong indicating latent demand; consider earlier service hours
- Consider streamlining split alignment on north end to just serve 10th Street S/Broadway and let Route 16 serve 4th Street S)

Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
Shelter 240 West Acres	145	15, 16, 20, 24
GTC	100	1, 2, 4, 11, 13, 15, 16, 17, 18
32nd Ave S & 15th St S Corner	53	
25TH AVE S & 14TH ST. S (COR	45	
Shelter 227 Essentia Hospital	26	18
Essentia Bus Stop Sign South	25	18
38th St S & Savers Driveway W	24	15, 16, 24
Shelter 210 - N side of 25th A	19	
32nd Ave S & 27th St S Corner	18	18
Shelter 261 Corner NW	15	

Average Boardings by Hour

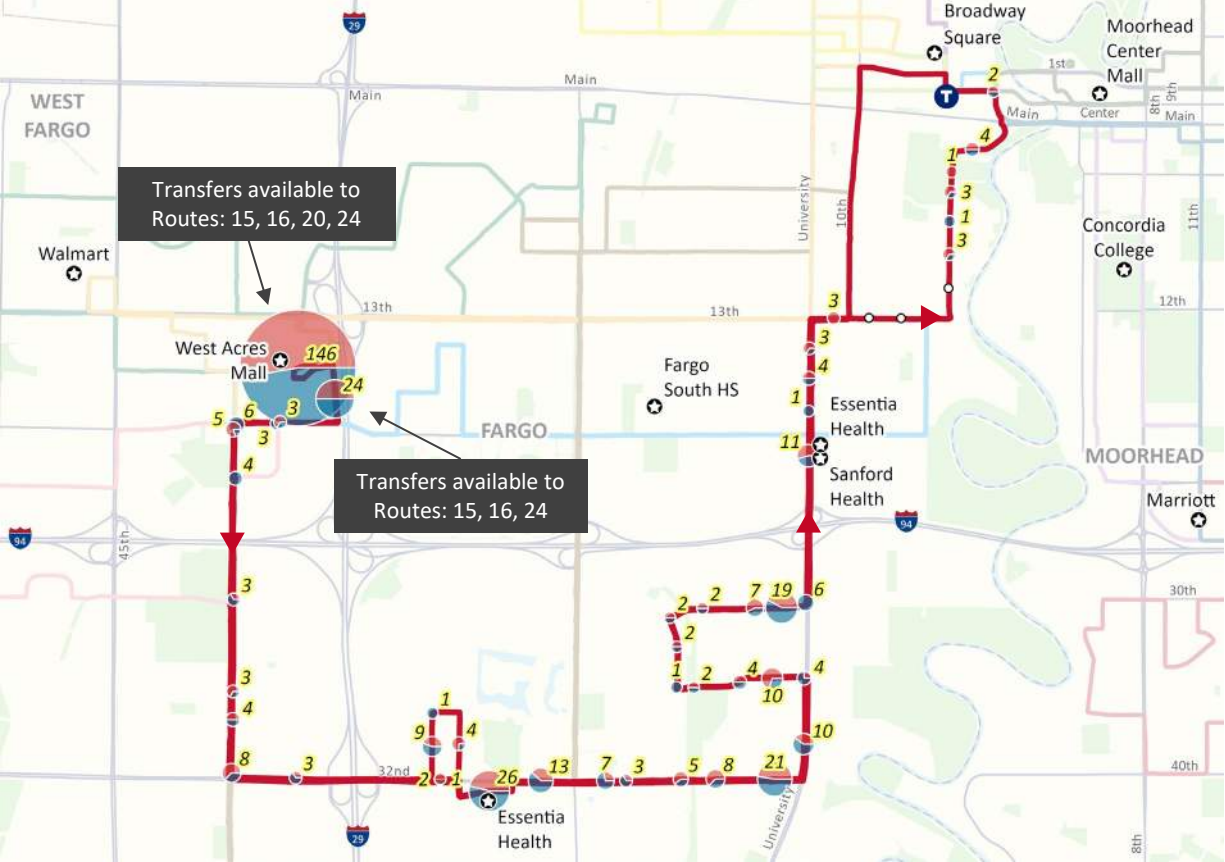


Route 14 GTC to West Acres

Weekday Inbound Average Boarding Activity

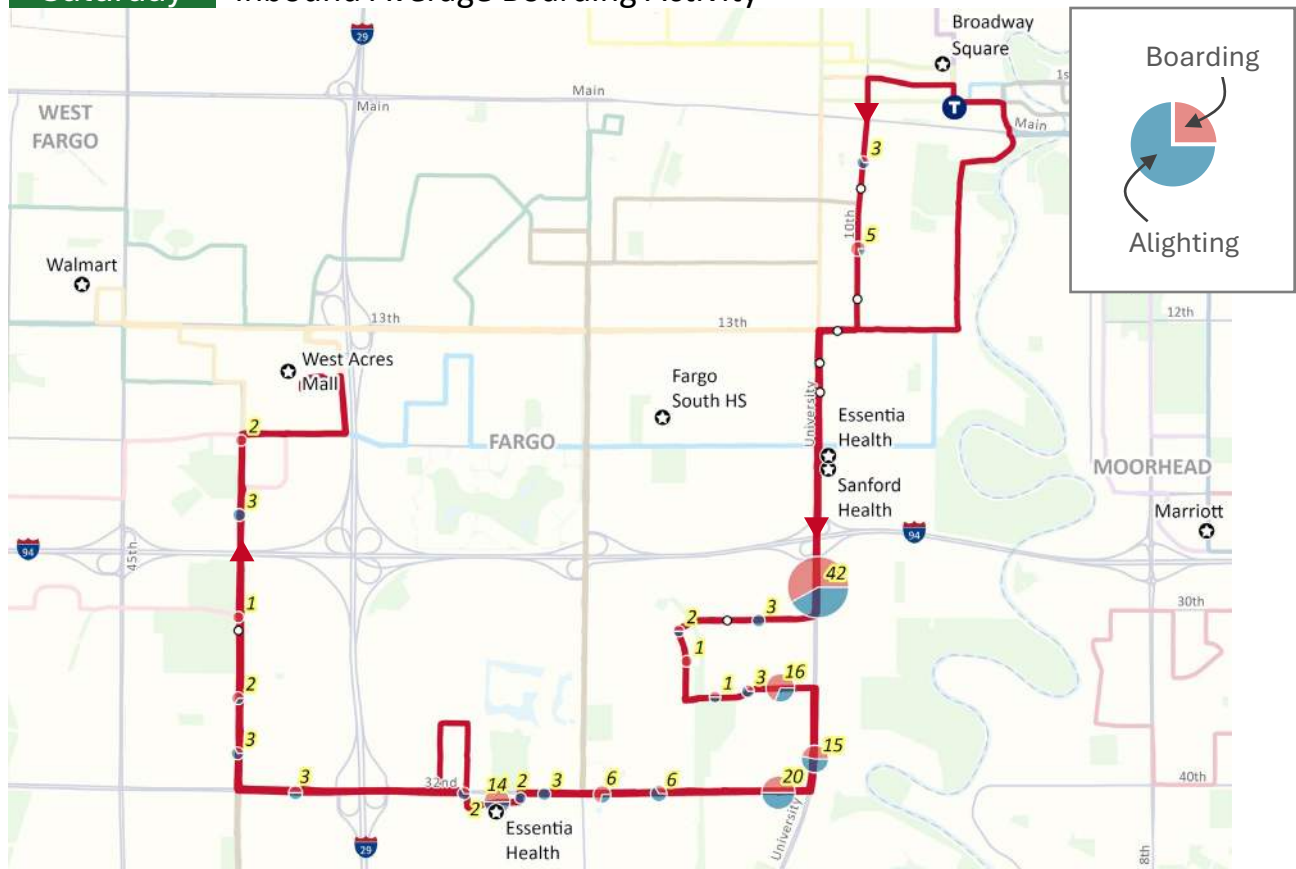


Weekday Outbound Average Boarding Activity

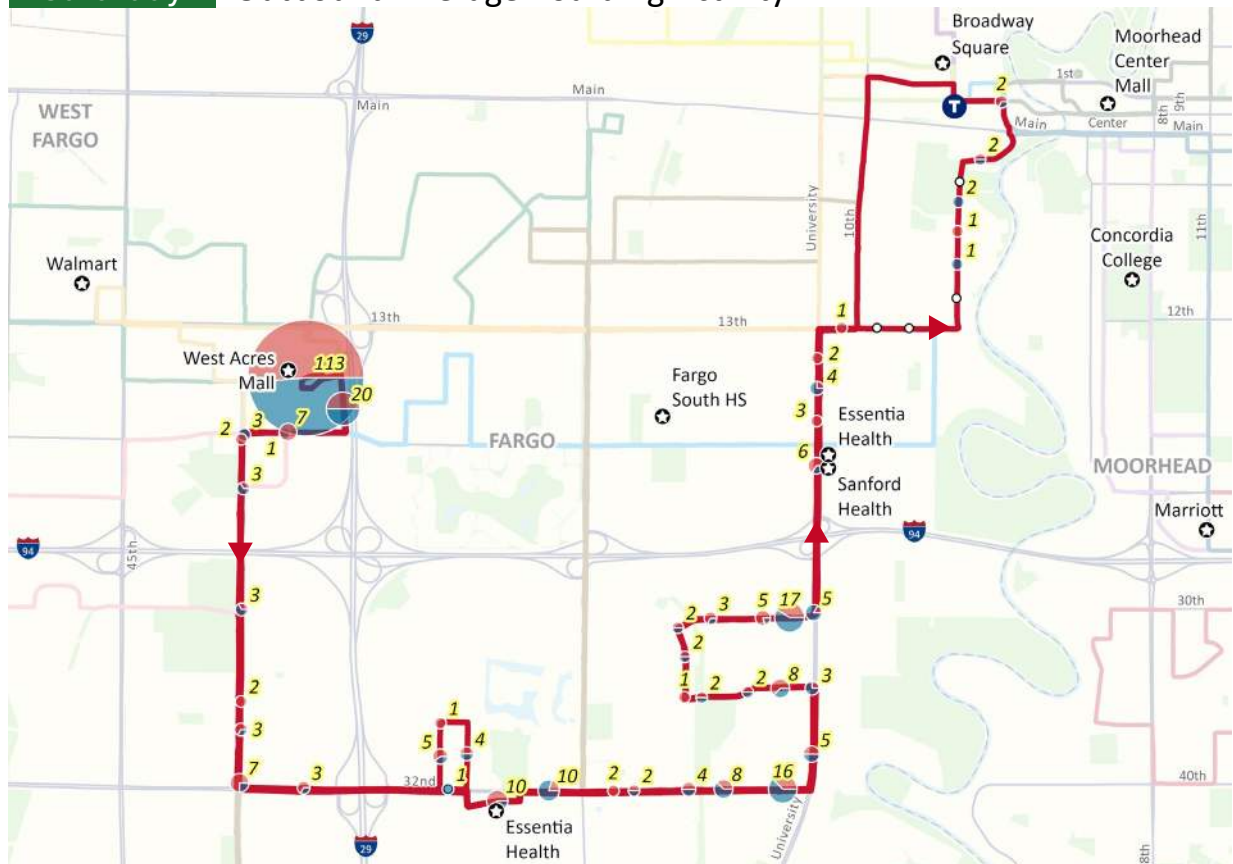


Route 14 GTC to West Acres

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 15 GTC to Walmart

Route Description

Route 15 is a core route connecting the GTC in Fargo to the West Acres Mall and Walmart in West Fargo. Route 15 is largely bidirectional on 13th Avenue S. It has the second highest daily weekday boardings of all routes and the highest Saturday boardings. Other than the GTC, the highest ridership stop is West Acres, followed by Walmart.

Route 15 operates weekdays and Saturdays, with slightly reduced service hours on Saturdays. Buses on Route 15 depart every 15 minutes on weekday afternoons and every 30 minutes otherwise. Service is provided year-round. In September 2023, 89% of buses arrived on time.

Service Characteristics

	Weekdays	Saturday
Service Start	6:14 AM	7:14 AM
Service End	10:14 PM	10:14 PM
Headway (peak/midday/eve)	30/15/30	30/30/30
Average Daily Boardings	950	702
Boardings per Revenue Hour	16.96	20.65
Peak Vehicles	4	2
Average Distance Between Stops	1,439 feet (0.27 miles)	

Route Strengths

- Highest Saturday productivity in the system, with higher Saturday productivity than weekday productivity
- Access to major shopping destinations
- Destinations and available transfers dispersed across the route

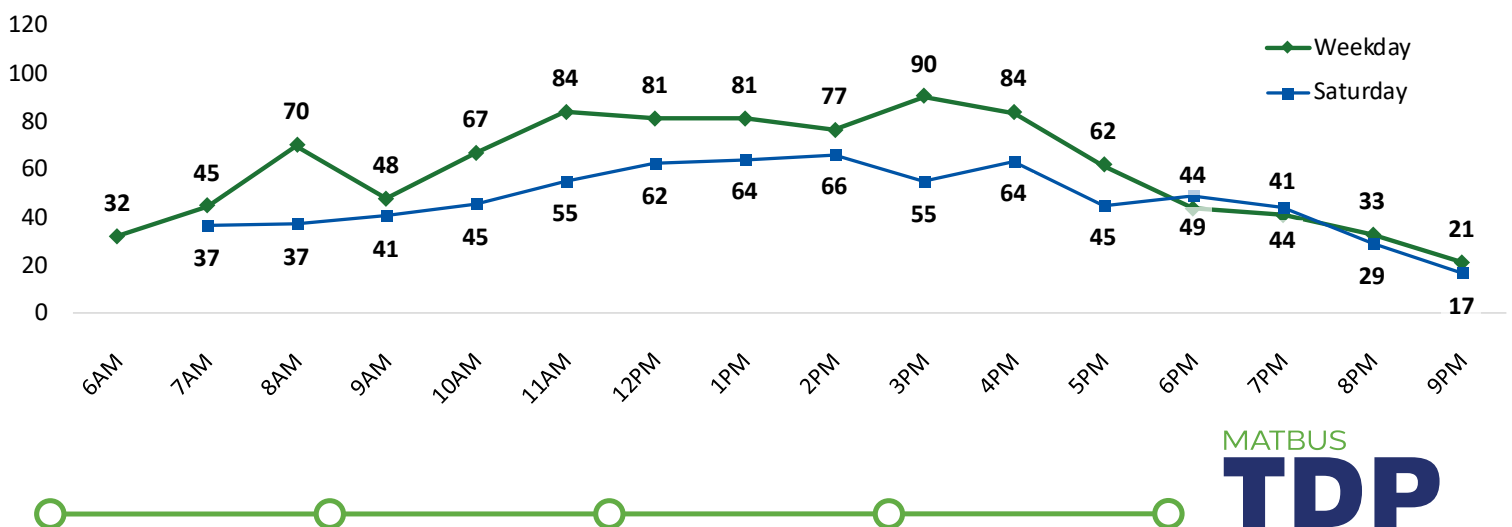
Route Opportunities

- Potential to improve Saturday frequency during the midday
- Consider Sunday service
- Potential to interline route with routes directly serving NDSU (or combine into a single route)

Top Weekday Boarding Activity Locations

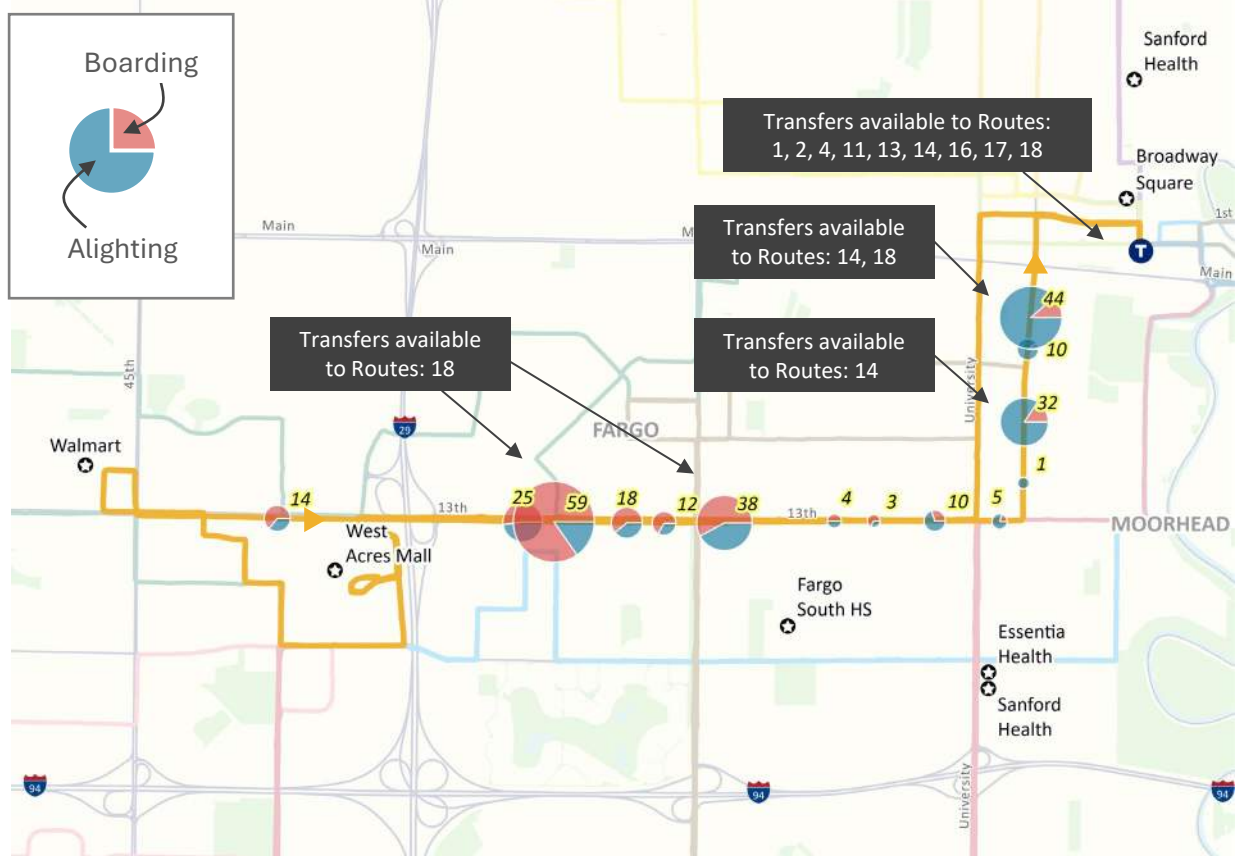
Stop	Boarding Activity	Available Transfers
GTC	479	1, 2, 4, 11, 13, 14, 16, 17, 18
Shelter 240 West Acres	364	14, 16, 20, 24
Shelter 270 Walmart	252	20
Shelter 259 Target	65	
Shelter 245 Holiday C-Store	59	18
Shelter 202 Bell State Bank	59	
Shelter 201 Wendys	57	
13th Ave S & 28th St S Corner	46	
Shelter 241 Cass County Court	44	14, 18
13th Ave S & Fiechtner Dr Cor	42	

Average Boardings per Hour

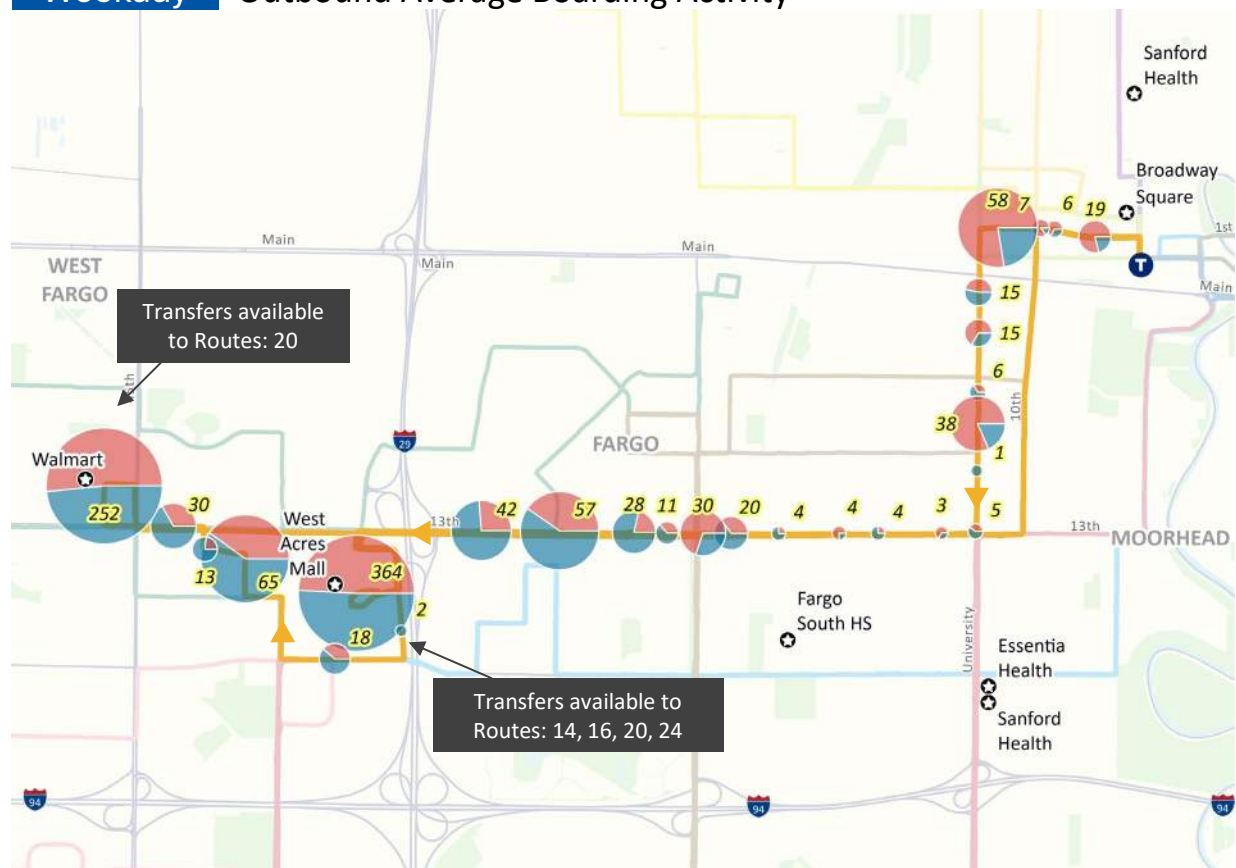


Route 15 GTC to Walmart

Weekday Inbound Average Boarding Activity

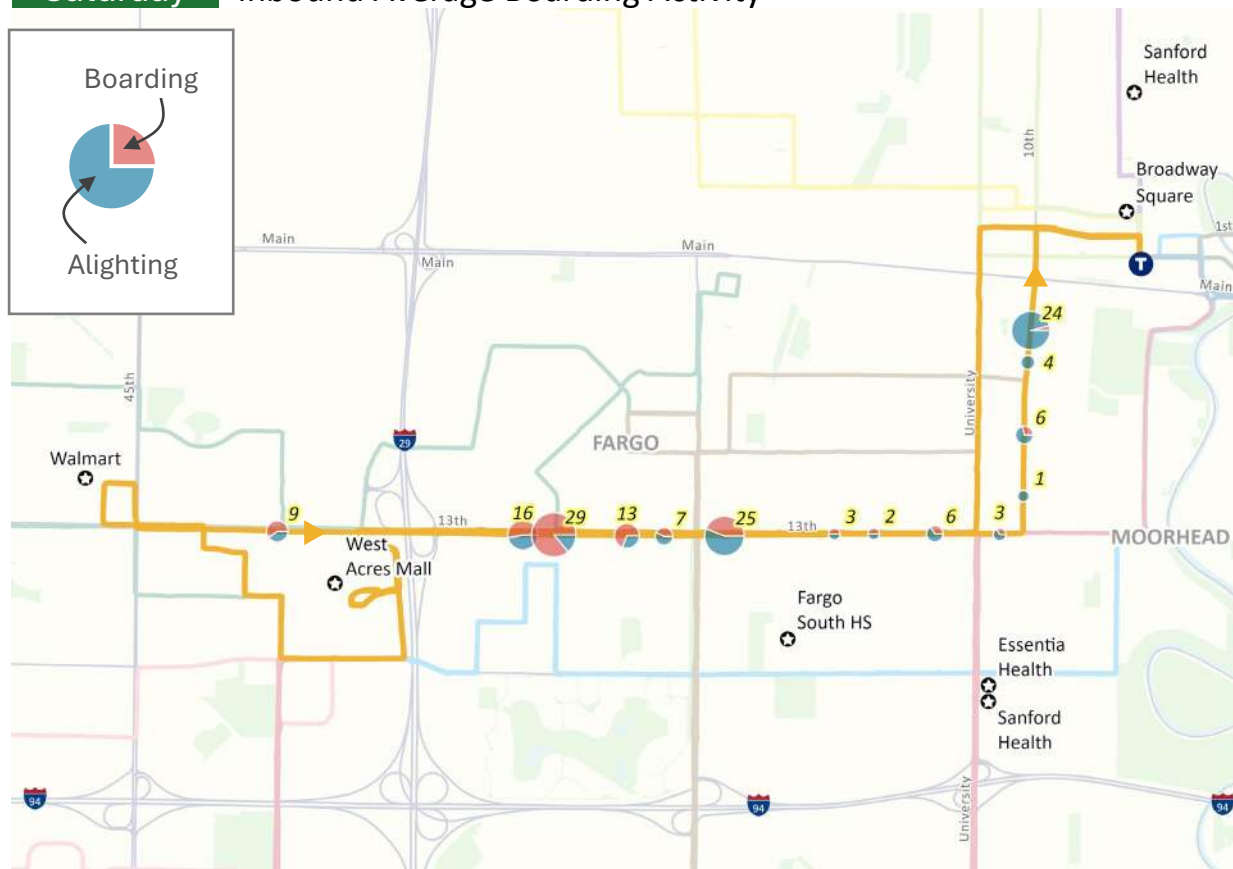


Weekday Outbound Average Boarding Activity

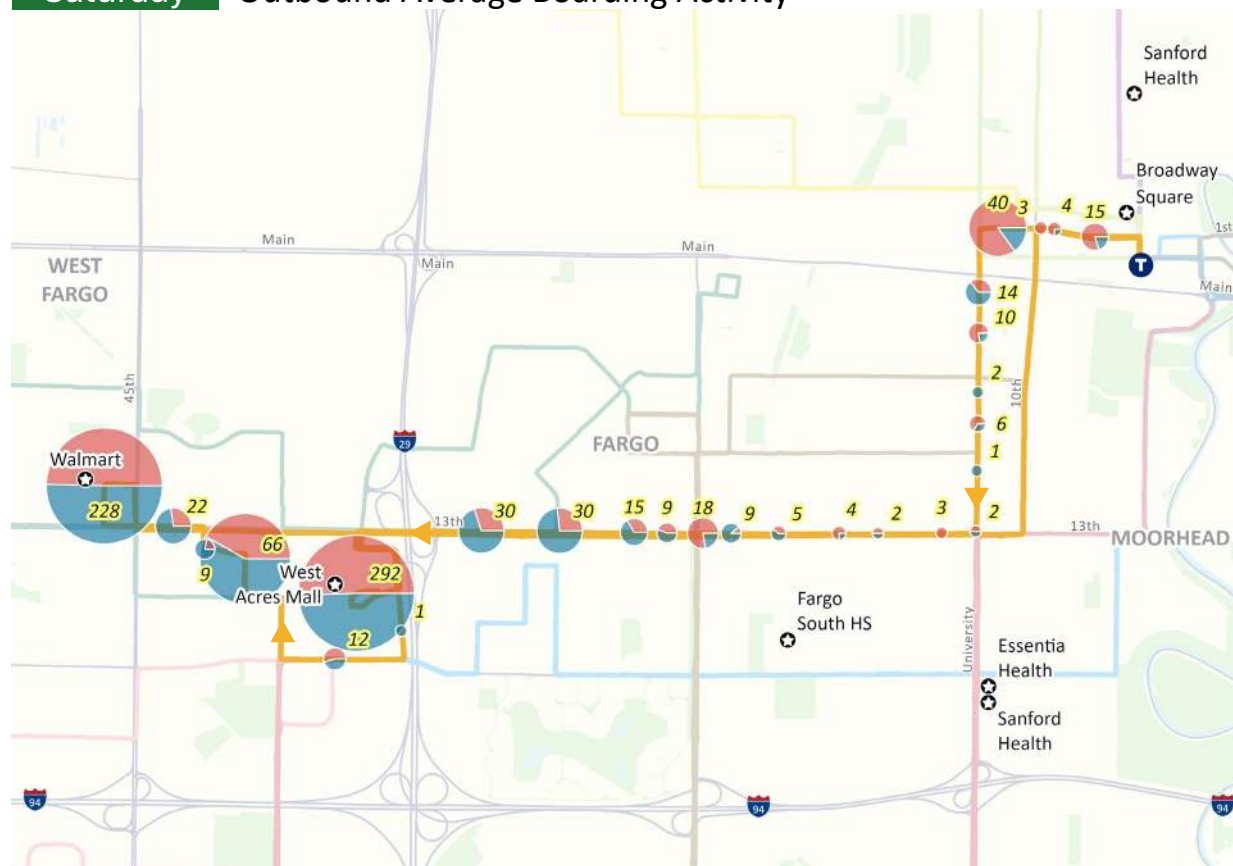


Route 15 GTC to Walmart

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 16 GTC to West Acres

Route Description

Route 16 connects GTC and West Acres, offering service via 4th/5th Avenue S and 17th Avenue S. Route 16 serves several key destinations, including Essentia Health and Sanford Hospital on 17th Avenue S, Lewis and Clark Elementary School, South Fargo High School, and Cash Wise and Bison Center on 33rd Street S.

Route 16 operates hourly Monday through Saturday, with slightly reduced service hours on Saturdays. No evening service is available after 6 PM. Service is provided year-round.

Route Strengths

- Connects the major destinations and transit hubs
- Access to several important destinations including schools, health care providers, and retail clusters

Route Opportunities

- First trip of the day on weekdays is strong; consider earlier service hour on weekdays.

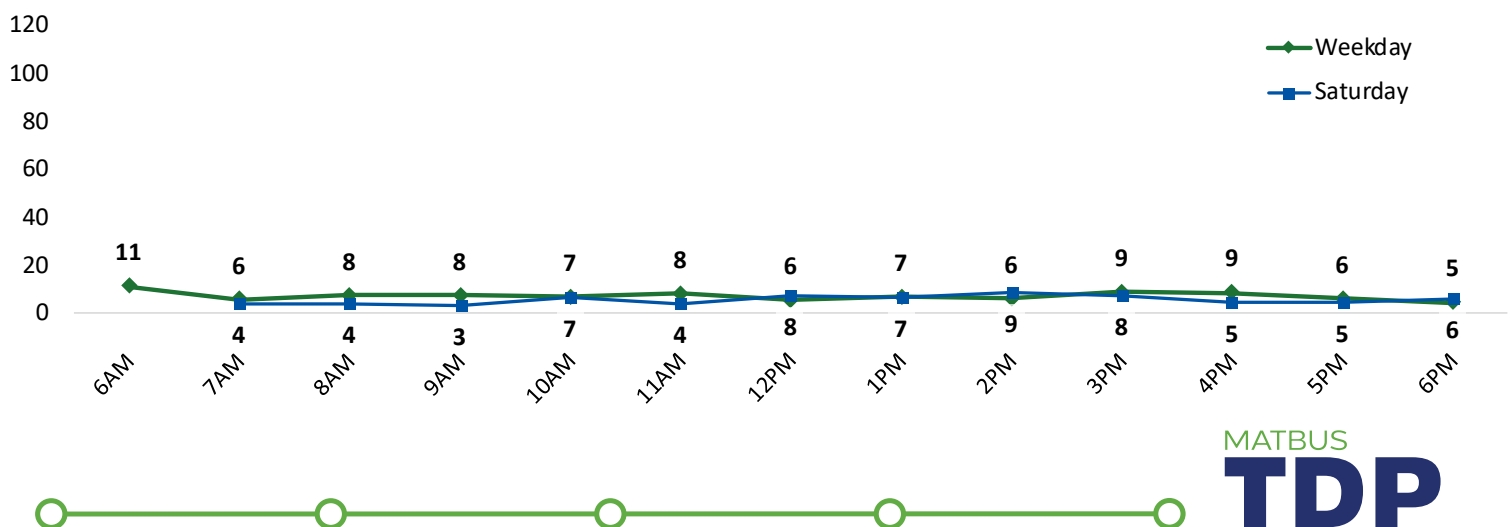
Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	7:40 PM	7:40 PM
Headway (peak/midday/eve)	60/60	60/60
Average Daily Boardings	96	70
Boardings per Revenue Hour	6.40	5.00
Peak Vehicles	1	1
Average Distance Between Stops	1,028 feet (0.19 miles)	

Top Weekday Boarding Activity Locations

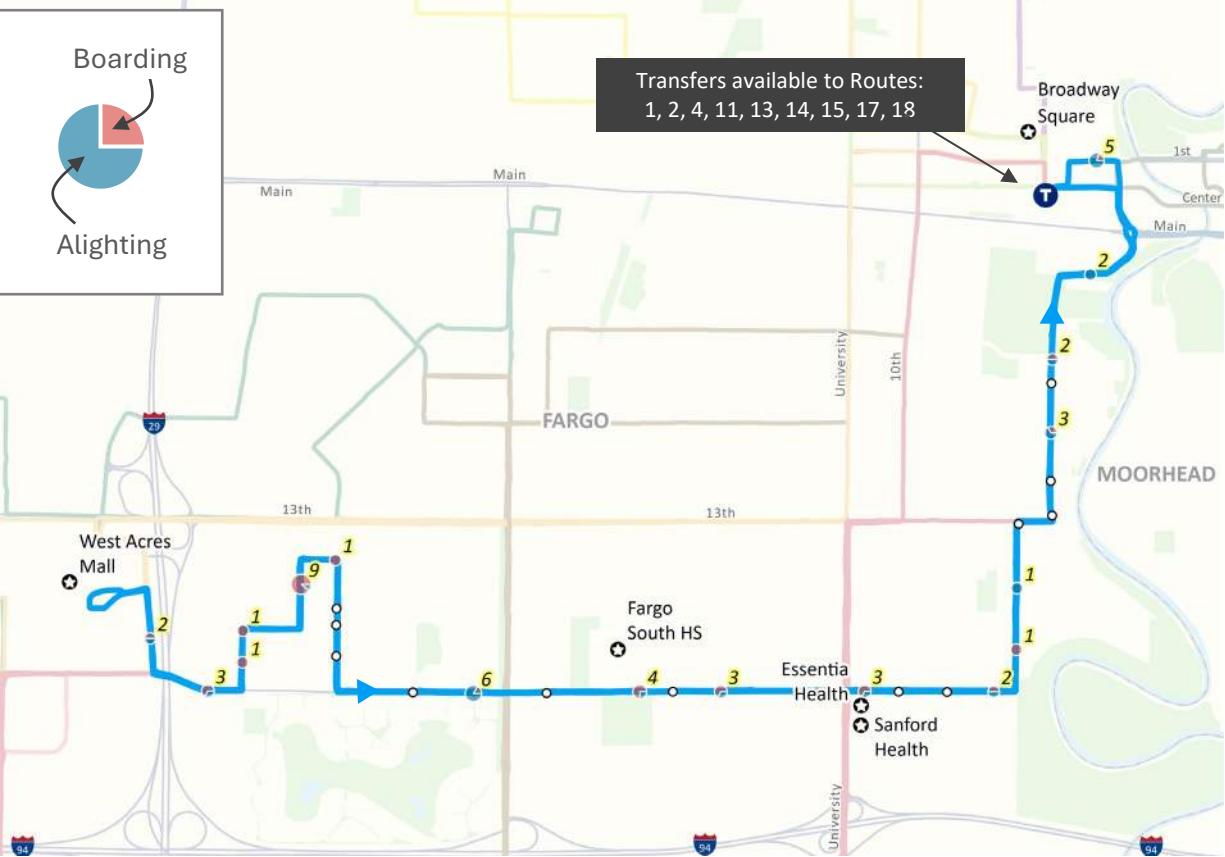
Stop	Boarding Activity	Available Transfers
Shelter 240 West Acres	42	14, 15, 20, 24
GTC	29	1, 2, 4, 11, 13, 14, 15, 17, 18
Cash Wise Driveway & 33rd St S	10	
Bison Center & 33rd St S Midb	9	
17th Ave S & South High School	7	
Shelter 228 17th Ave S & E Ga	6	
17th Ave S & E Gateway Cir S	6	
1st Ave N & 3rd St N Fargo Pu	5	
Shelter 206 Essentia_Sanford	4	
4th St S & 9th Ave S Corner S	3	

Average Boardings by Hour

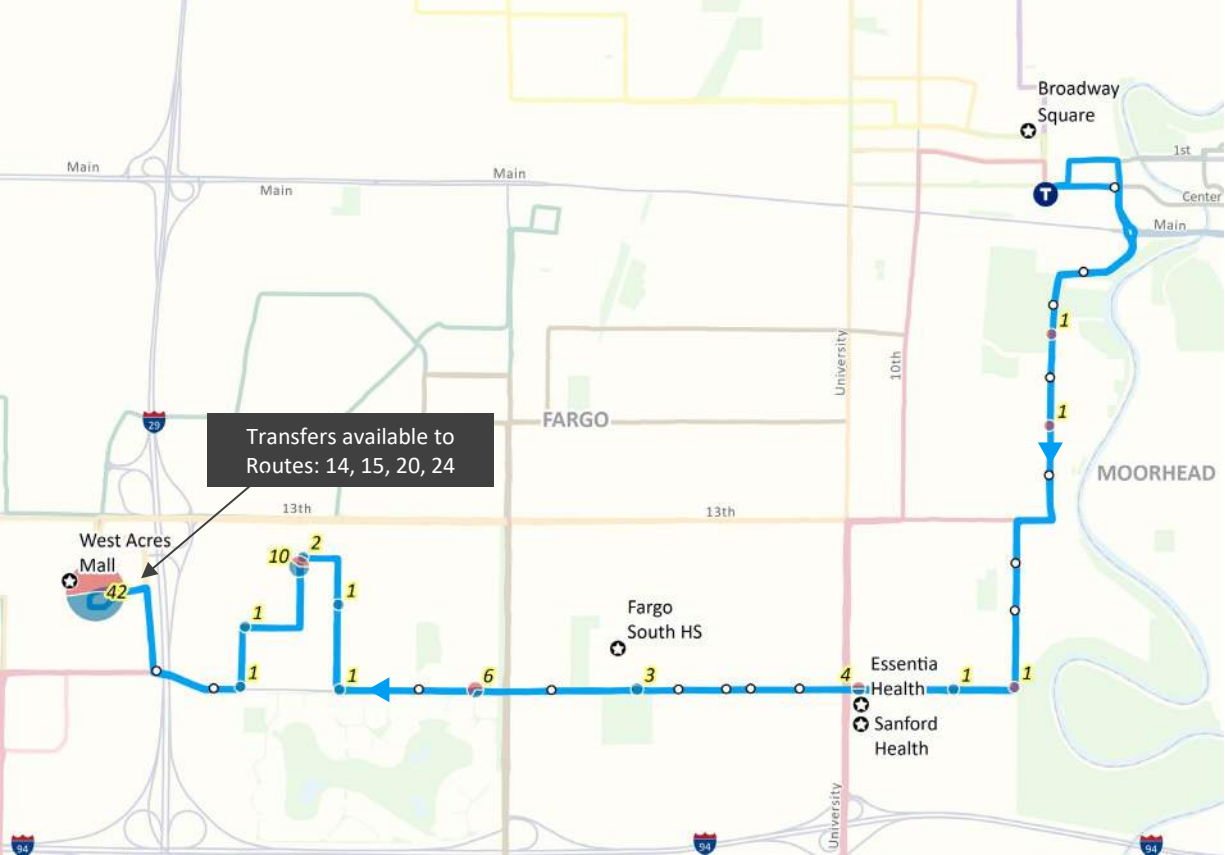


Route 16 GTC to West Acres

Weekday Inbound Average Boarding Activity

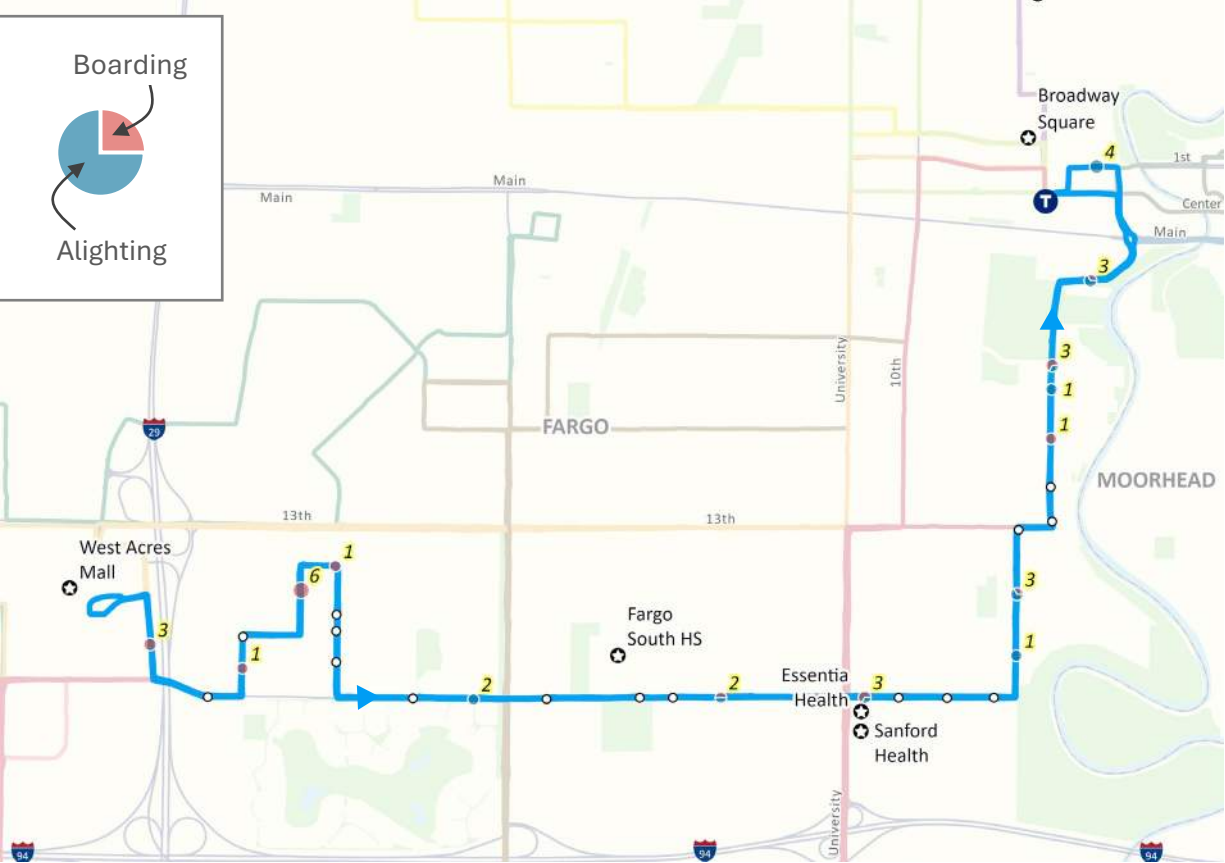


Weekday Outbound Average Boarding Activity

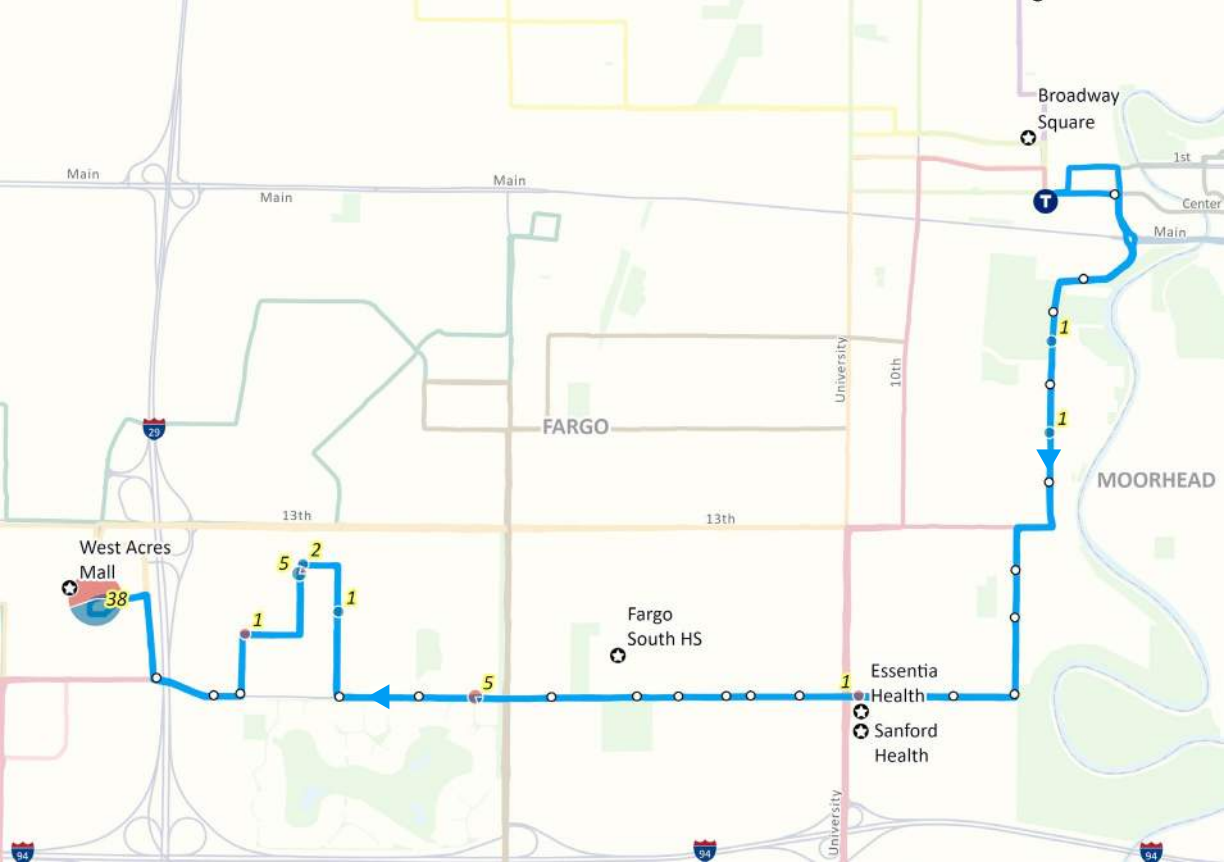


Route 16 GTC to West Acres

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 17 GTC to Madison School

Route Description

Route 17 connects GTC and the area north of Madison Elementary School. While bidirectional for most of its route, it splits into separate inbound and outbound paths at 3rd Avenue N and 20th Street N, circling residential neighborhoods and employment areas. Ridership peaks during the morning and afternoon rush hours (7 AM and 3 PM), primarily serving commuters traveling to and from GTC and Madison Elementary School. Route 17 also provides service to Broadway Square.

Route 17 operates hourly Monday through Saturday, with slightly reduced service hours on Saturdays. Service is provided year-round.

Route Strengths

- Connects a major transit hub (GTC) and a cluster of employers/residential neighborhoods
- Transfers available to Route 13

Route Opportunities

- Consider extension to Jefferson Lines station at 1211 41st Street N on request (if time is available and a safe turnaround can be identified). This would require a new interline with Route 18

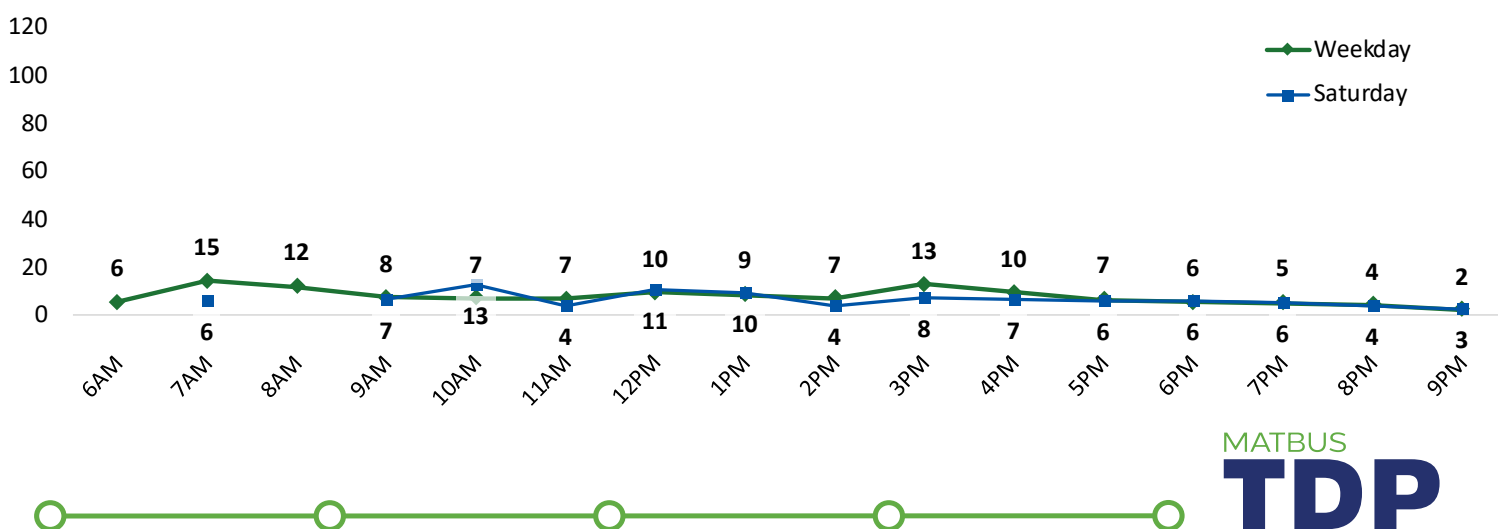
Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	9:40 PM	9:40 PM
Headway (peak/midday/eve)	60/60/60	60/60/60
Average Daily Boardings	127	98
Boardings per Revenue Hour	12.70	10.89
Peak Vehicles	0.5	0.5
Average Distance Between Stops	810 feet (0.15 miles)	

Top Weekday Boarding Activity Locations

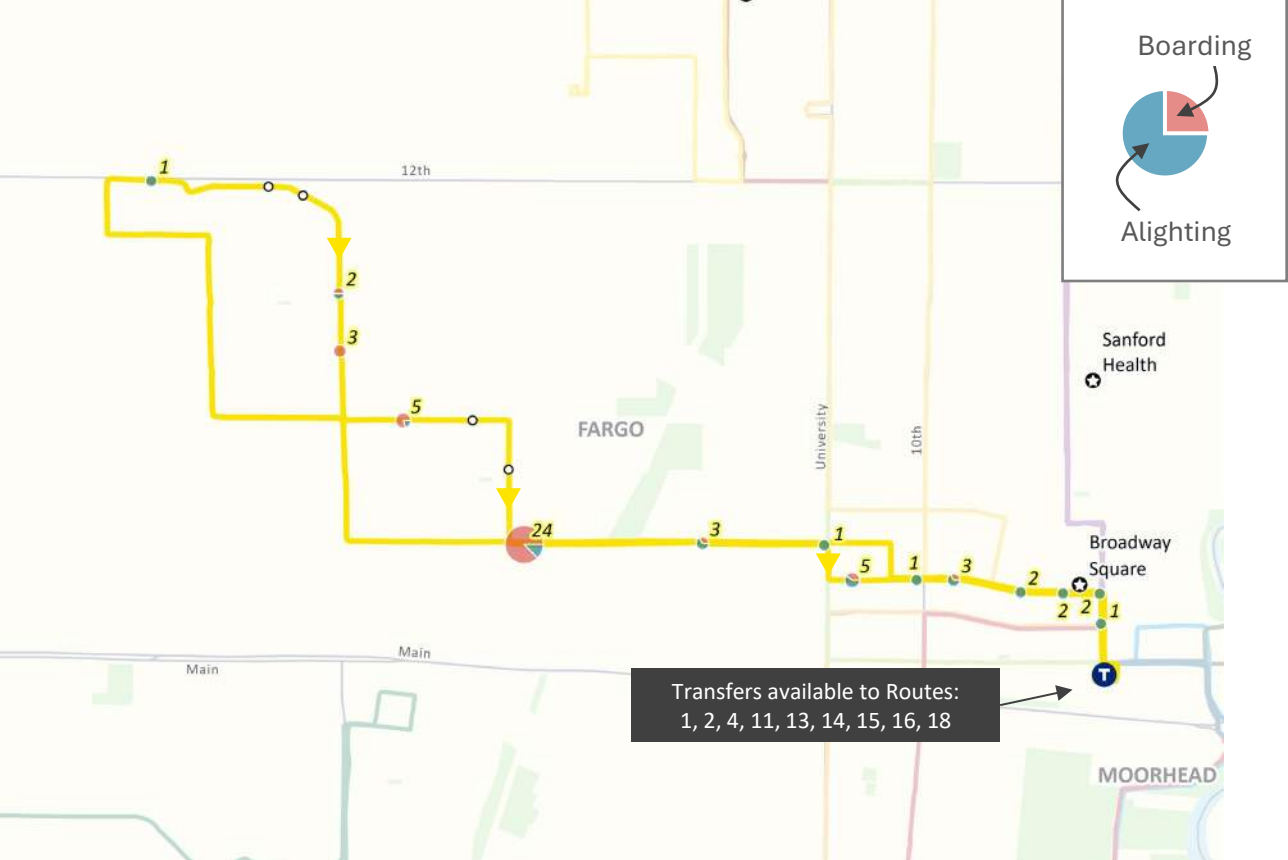
Stop	Boarding Activity	Available Transfers
3rd Ave N & 20th St N Corner	51	
GTC	41	1, 2, 4, 11, 13, 14, 15, 16, 18
Shelter 260 New Life Center	24	
Shelter 264 Whale of a Wash	19	
7th Ave N & 29th St N Corner	8	
11th St N & 3rd Ave N Midbloc	6	
Shelter 279 MTG	5	
2nd Ave N & Roberts St Corner	5	13
Shelter 214 University Drive	5	
2nd Ave N & Broadway N Corner	4	13

Average Boardings per Hour

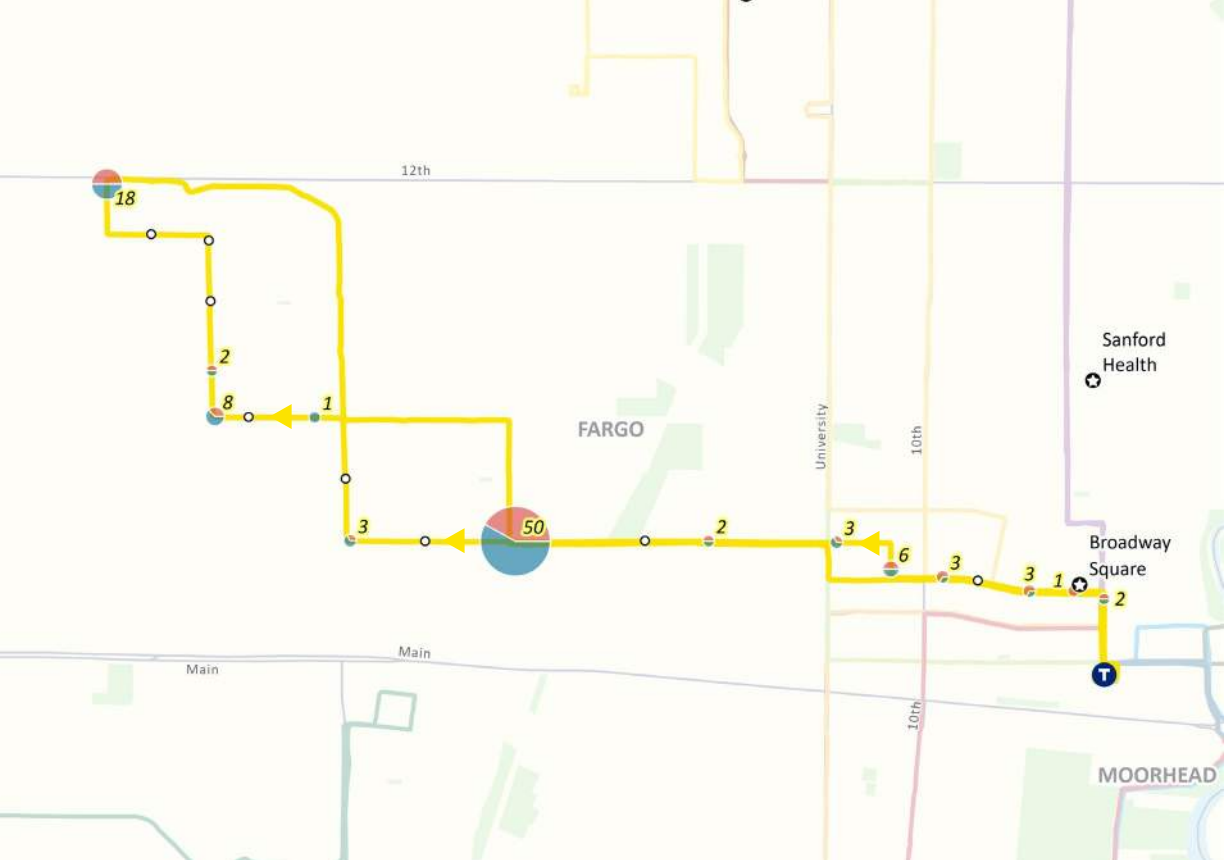


Route 17 GTC to Madison School

Weekday Inbound Average Boarding Activity

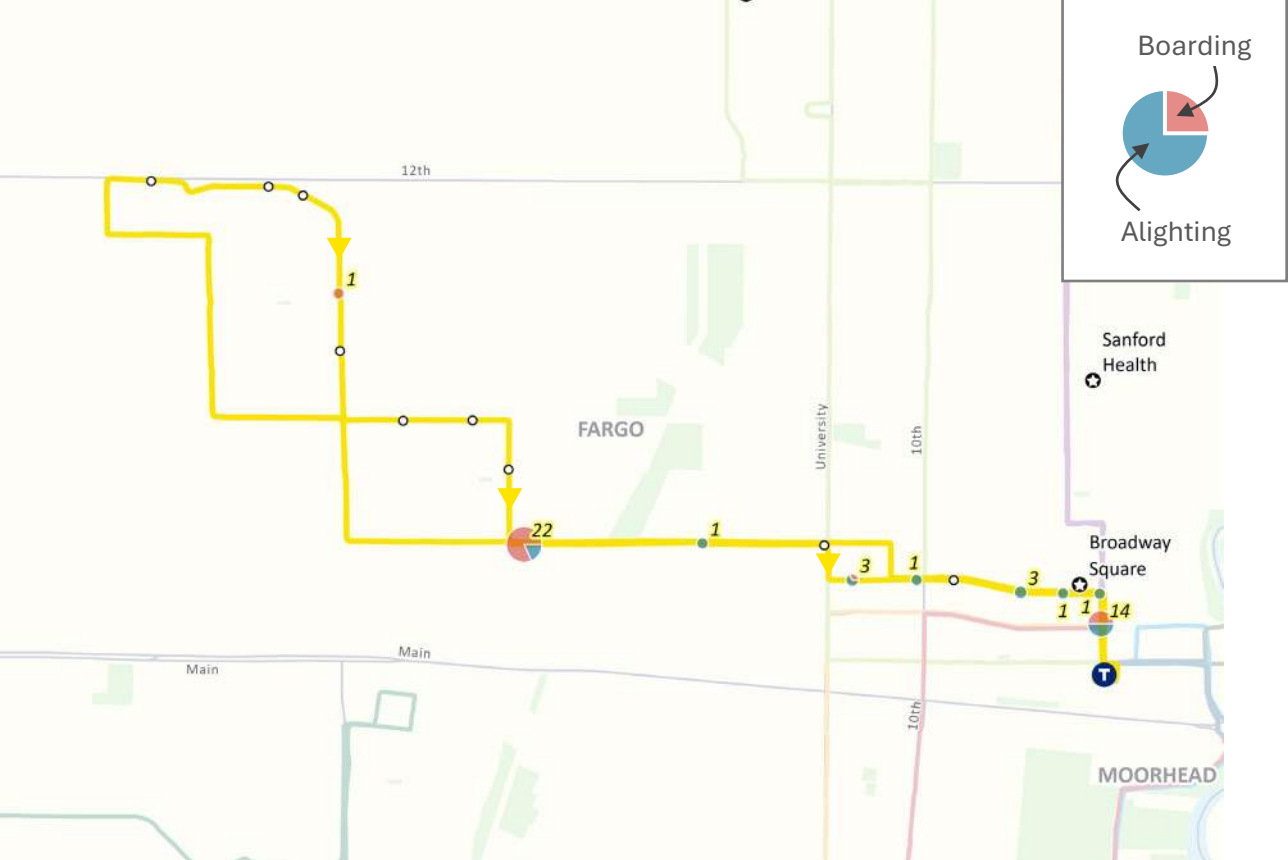


Weekday Outbound Average Boarding Activity

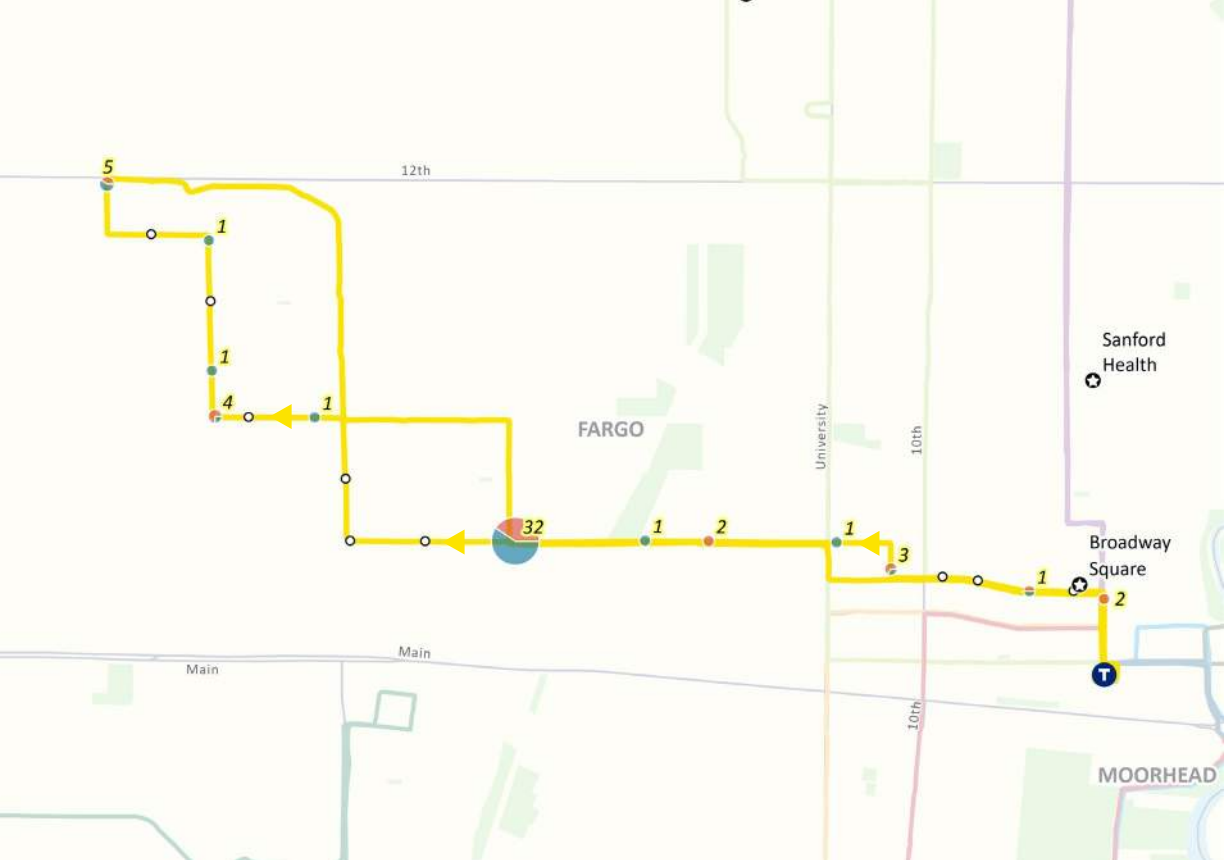


Route 17 GTC to Madison School

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 18 GTC to Walmart

Route Description

Route 18 connects GTC to Walmart in south Fargo, serving a variety of key destinations, including the Cass County Government buildings, healthcare providers, grocery stores, and major employers like Swanson Health Products and Microsoft. High-ridership transfer stops include the Southeast Human Service Center (SEHS) shelter to Route 20 and the Essentia stops on 32nd Avenue S to Route 14.

Route 18 operates hourly Monday through Saturday, with slightly reduced service hours on Saturdays. Service is provided year-round. Route 18 had the lowest on-time performance with less than 80% of trips on time in September 2023.

Service Characteristics

	Weekdays	Saturday
Service Start	6:15 AM	7:15 AM
Service End	10:15 PM	10:15 PM
Headway (peak/midday/eve)	60/60/60	60/60/60
Average Daily Boardings	196	132
Boardings per Revenue Hour	7.26	5.08
Peak Vehicles	1.5	1.5
Average Distance Between Stops	1,289 feet (0.24 miles)	

Route Strengths

- Serves multiple employer locations, grocery stores, and health care providers
- Stronger ridership in the morning and midday hours
- Transfer available to three routes (14, 15, 20) serving West Acre and more

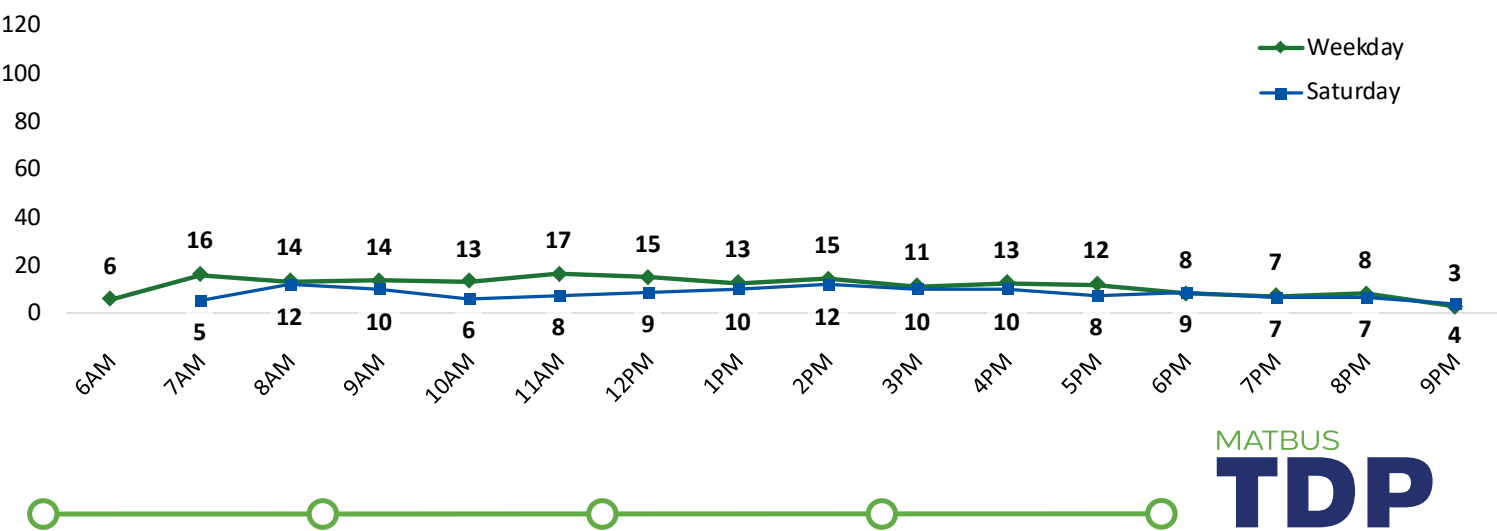
Route Opportunities

- Consider options for improving on-time performance. Potential options could include a new service (fixed route or on-demand) serving the growing part of SW Fargo

Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
GTC	99	1, 2, 4, 11, 13, 14, 15, 16, 17
Shelter 265 Walmart	43	
Shelter 231 SEHS	24	20
Shelter 227 Essentia Hospital	11	14
Essentia Bus Stop Sign South	10	14
Shelter 274 Hornbachers	8	
9th Ave S & 23rd St S Corner	8	
Shelter 245 Holiday C-Store	7	15
28th St S & 9th Ave S Corner	7	20
40th Ave S & Village Ln S Cor	7	

Average Boardings per Hour

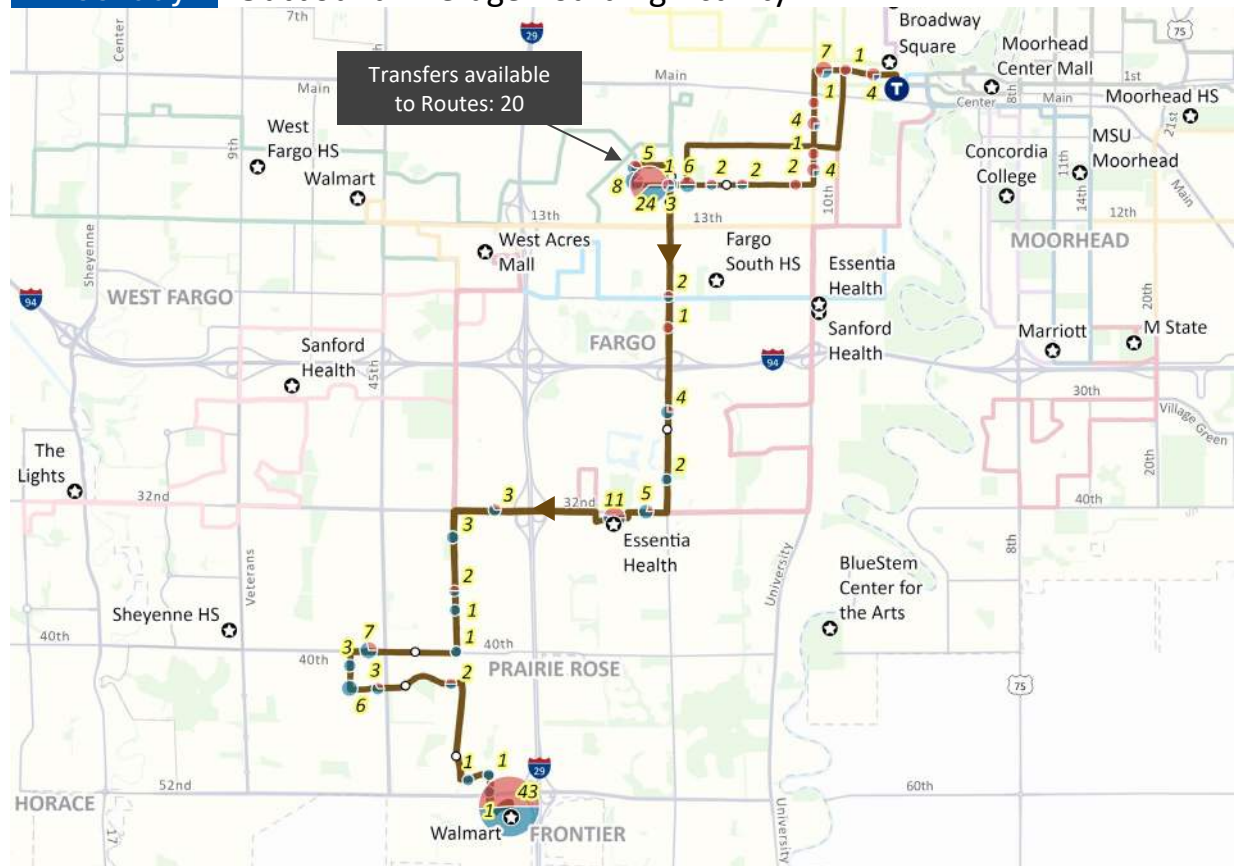


Route 18 GTC to Walmart

Weekday Inbound Average Boarding Activity



Weekday Outbound Average Boarding Activity

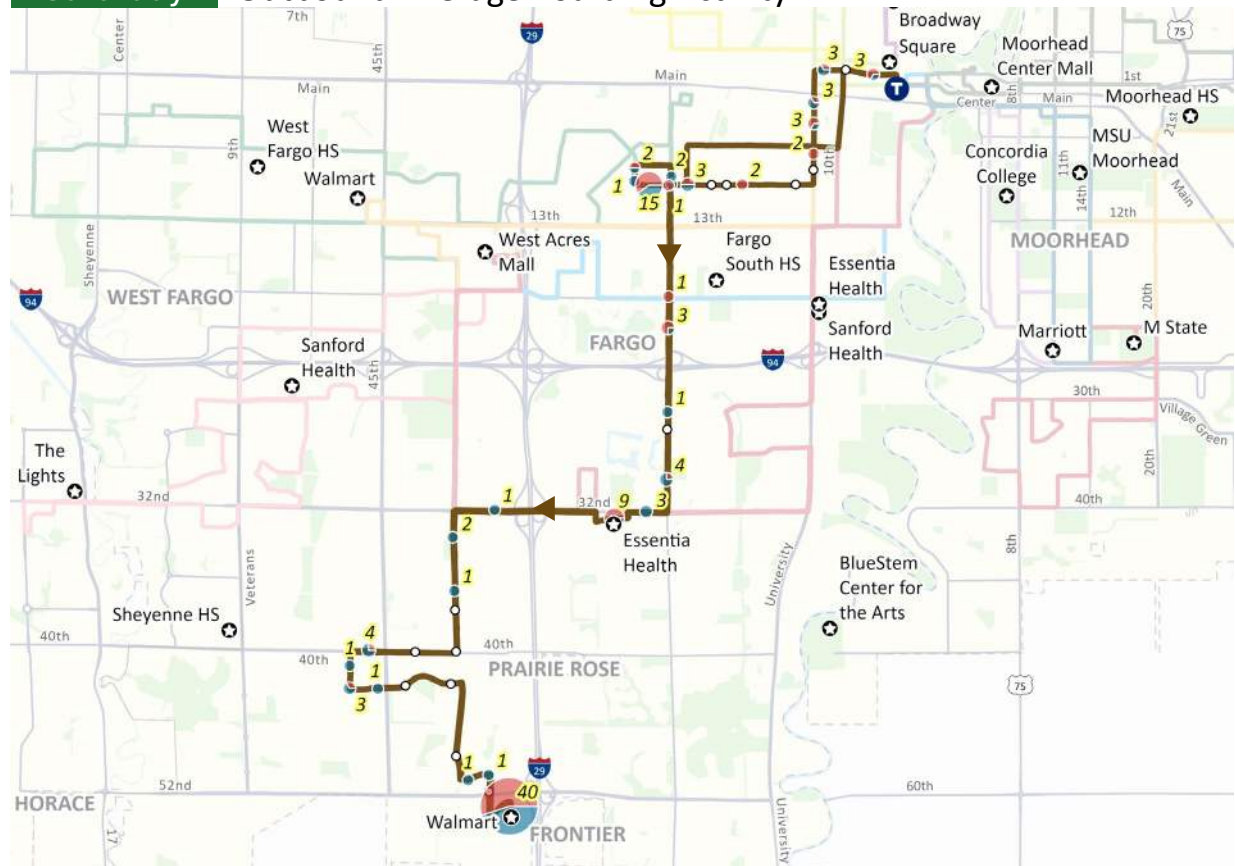


Route 18 GTC to Walmart

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route 20 West Acres

Route Description

Route 20 is a one-way loop route serving West Acres, various grocery stores and large retailers (Walmart and Target), the West Fargo Library, West Fargo City Hall, and a low-income housing development (West Fargo Highrise). The route operates via 7th Avenue E, 4th Avenue W, and 13th Avenue E. Route 20 also serves the Somali community, including the Islamic Center and Somali Business Center, located on the west end of the loop. Boarding activity is particularly high at West Acres, Walmart, and West Fargo Highrise.

Route 20 operates hourly Monday through Saturday, with slightly reduced service hours on Saturdays. Service is provided year-round. In September 2023, Route 20 had the second-worst on-time performance systemwide (82.5% on-time).

Service Characteristics

	Weekdays	Saturday
Service Start	6:21 AM	7:21 AM
Service End	9:55 PM	9:55 PM
Headway (peak/midday/eve)	60/60/60	60/60/60
Average Daily Boardings	122	86
Boardings per Revenue Hour	12.20	9.56
Peak Vehicles	1	1
Average Distance Between Stops	1,352 feet (0.26 miles)	

Route Strengths

- Primary route serving various major destinations in West Fargo other than Route 14, which serves residential areas south of Highway 94 in West Fargo
- Strong ridership at large retails and low-income housing development

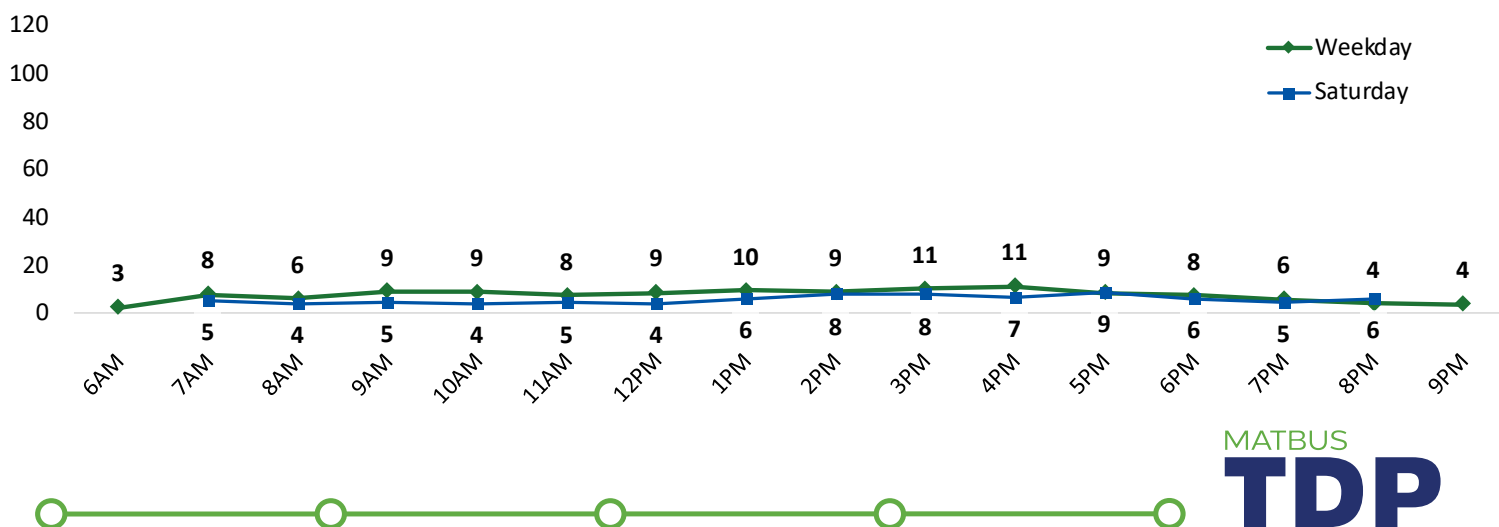
Route Opportunities

- One-way loop may be confusing; consider bidirectional service in some areas with higher ridership

Top Weekday Boarding Activity Locations

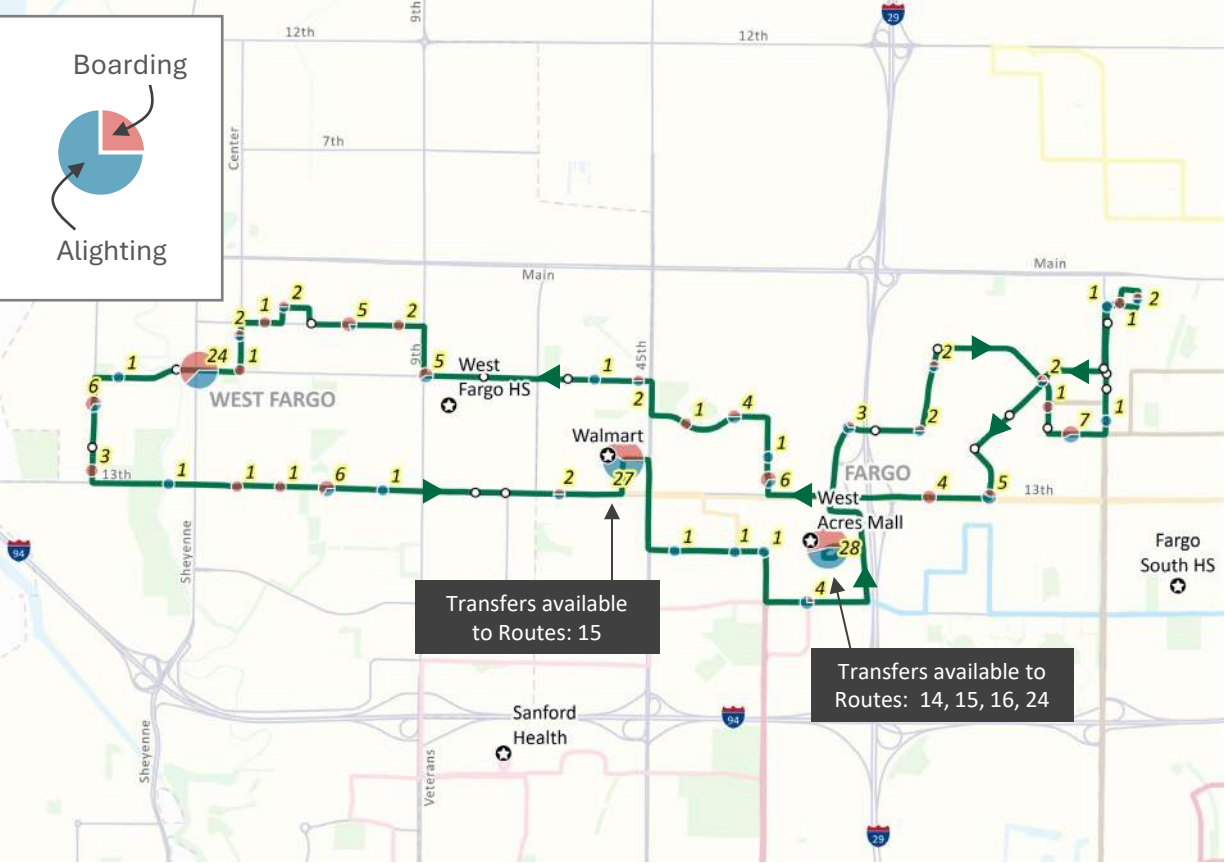
Stop	Boarding Activity	Available Transfers
Shelter 240 West Acres	28	14, 15, 16, 24
Shelter 270 Walmart	26	15
7th Ave W & West Fargo High Ri	24	
Shelter 231 SEHS	7	18
42nd St S & Hornbachers Midb	6	
13th Ave E & 6th St E Corner	6	
4th Ave E & 6th St E Corner N	5	
Westrac Dr. & 13th Ave S Corn	5	
8th St W & 9th Ave W Corner N	5	
7th Ave E & West Fargo High Sc	4	

Average Boardings per Hour

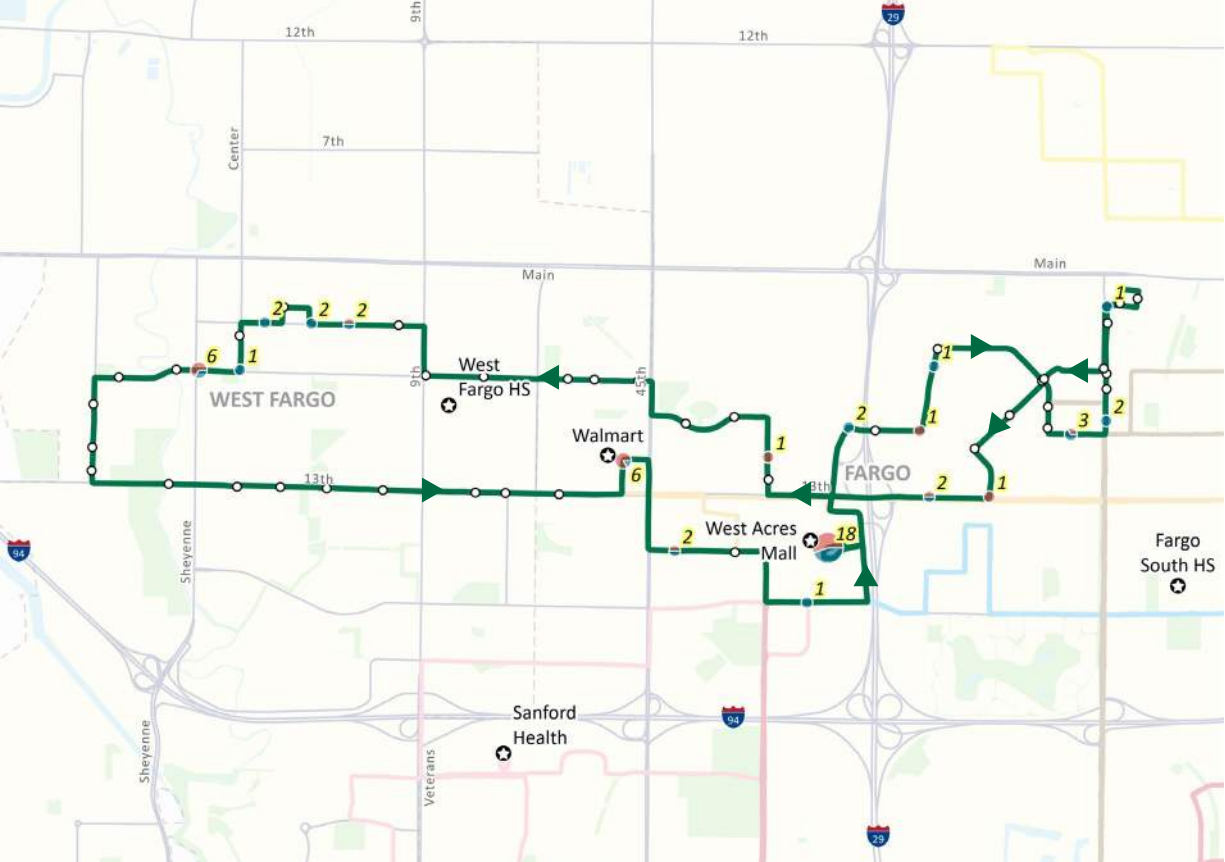


Route 20 West Acres

Weekday Average Boarding Activity



Saturday Average Boarding Activity



Route 24 West Acres to 9th/32nd

Route Description

Route 24 connects West Acres and the south side of West Fargo. The inbound route serves Costco, Sanford Medical Center, and West Acres via 23rd Avenue E/S, 9th Street E, and 19th and 17th Avenue S. The outbound route serves the YMCA, Rasmussen College, Red River Zoo, Sanford Medical Center, Scheels Arena, and Cash Wise via 42nd Street S, 23rd Avenue S, 51st Street S, and 32nd Avenue S/E. Route 24 also serves The Lights, a large event center, and an adjacent sports arena at the southern end of the route.

Route 24 operates hourly Monday through Saturday, with slightly reduced service hours on Saturdays. Service is provided year-round.

Service Characteristics

	Weekdays	Saturday
Service Start	6:30 AM	7:30 AM
Service End	10:10 PM	10:10 PM
Headway (peak/midday/eve)	60/60/60	60/60/60
Average Daily Boardings	120	90
Boardings per Revenue Hour	7.50	6.00
Peak Vehicles	1	1
Average Distance Between Stops	1,466 feet (0.28 miles)	

Route Strengths

- Strong ridership at Sanford Medical Center and West Acres
- Outbound route serves multiple major sports/event venues and other major destinations
- One of the two routes serving West Fargo

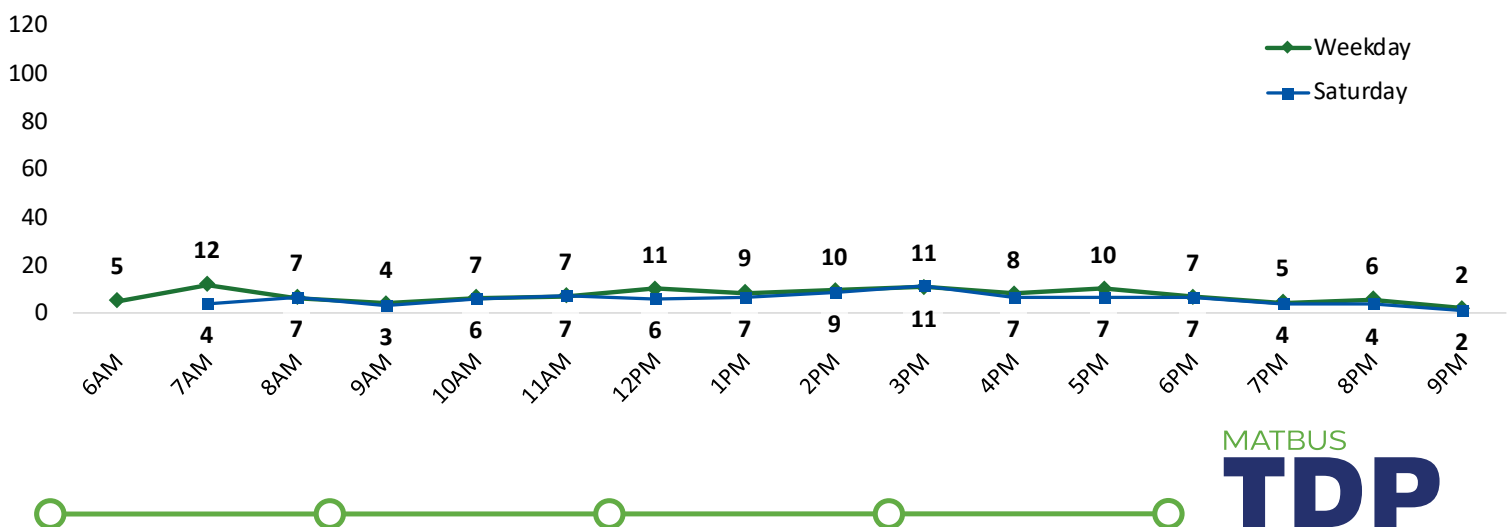
Route Opportunities

- Consider consolidation of split alignment on south end of the route
- Consider on-demand zone on Saturday
- Evaluate potential for new transit hub at West Acres that allows for timed connections to other routes

Top Weekday Boarding Activity Locations

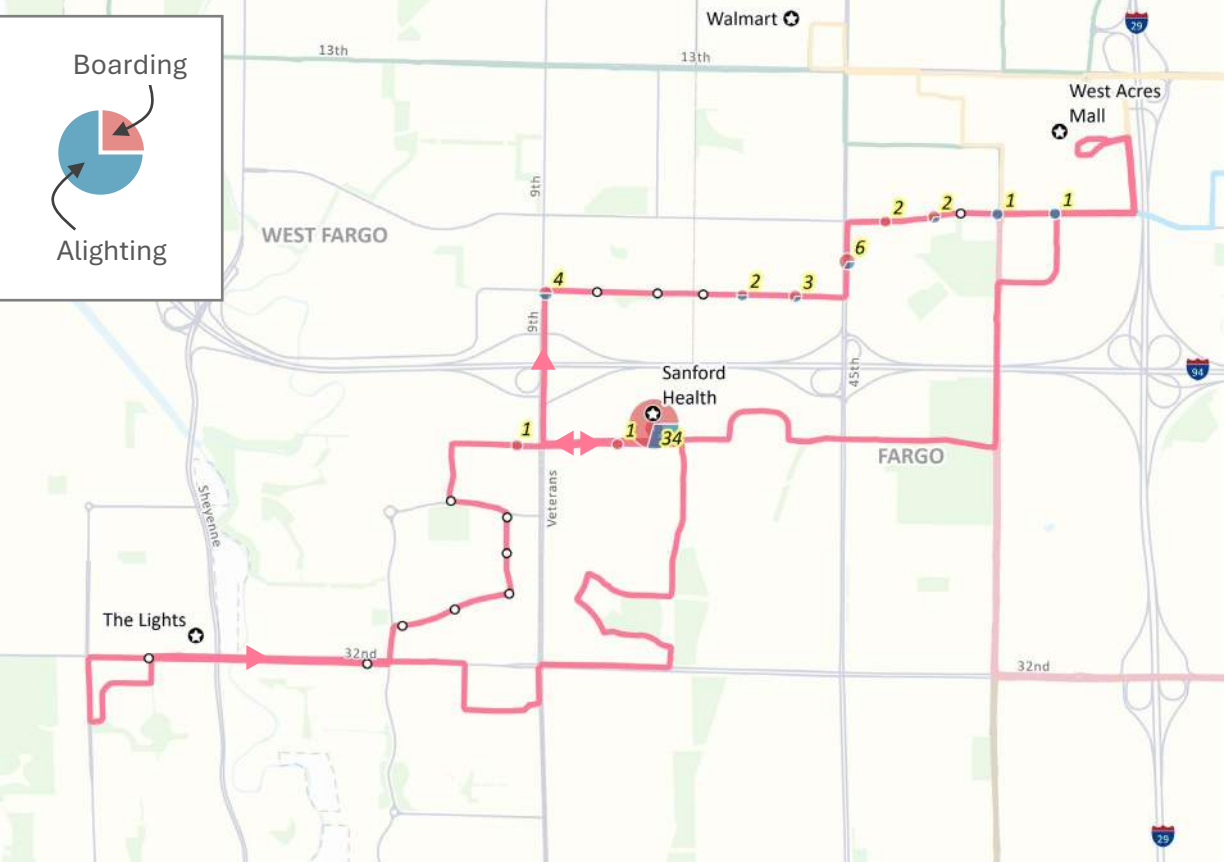
Stop	Boarding Activity	Available Transfers
Shelter 240 West Acres	57	14, 15, 16, 20
Sanford Medical Center 2	34	
Sanford Medical Center	18	
23rd Ave S & Agassiz Xing Cor	6	
6th St W & 33rd Ave W Corner	6	
45th St S & 18th Ave S Corner	6	
9th St W & 32nd Ave W Corner	5	
32nd Ave W & West Fargo Sports	5	
33rd Ave E & West Fargo Cash W	4	
23rd Ave S & Comfort Suites C	3	

Average Boardings by Hour

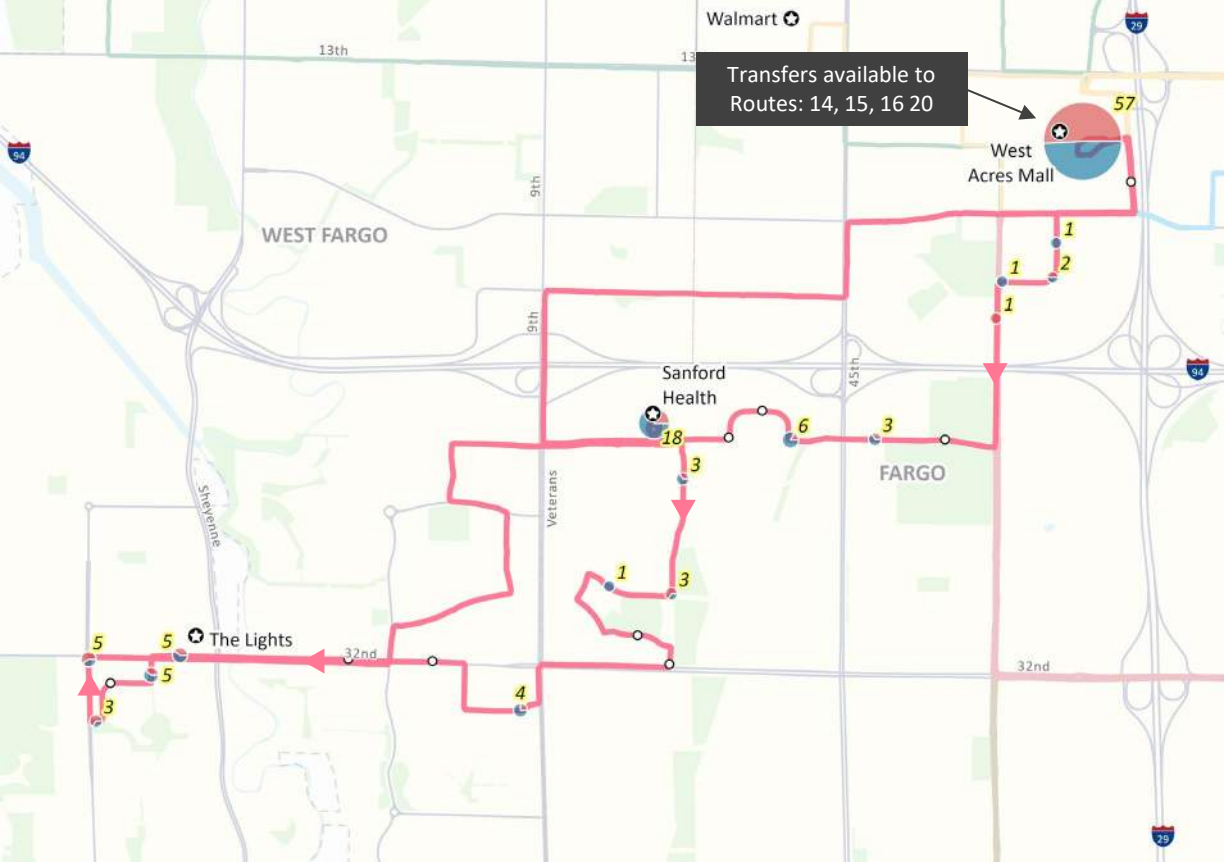


Route 24 West Acres to 9th/32nd

Weekday Inbound Average Boarding Activity

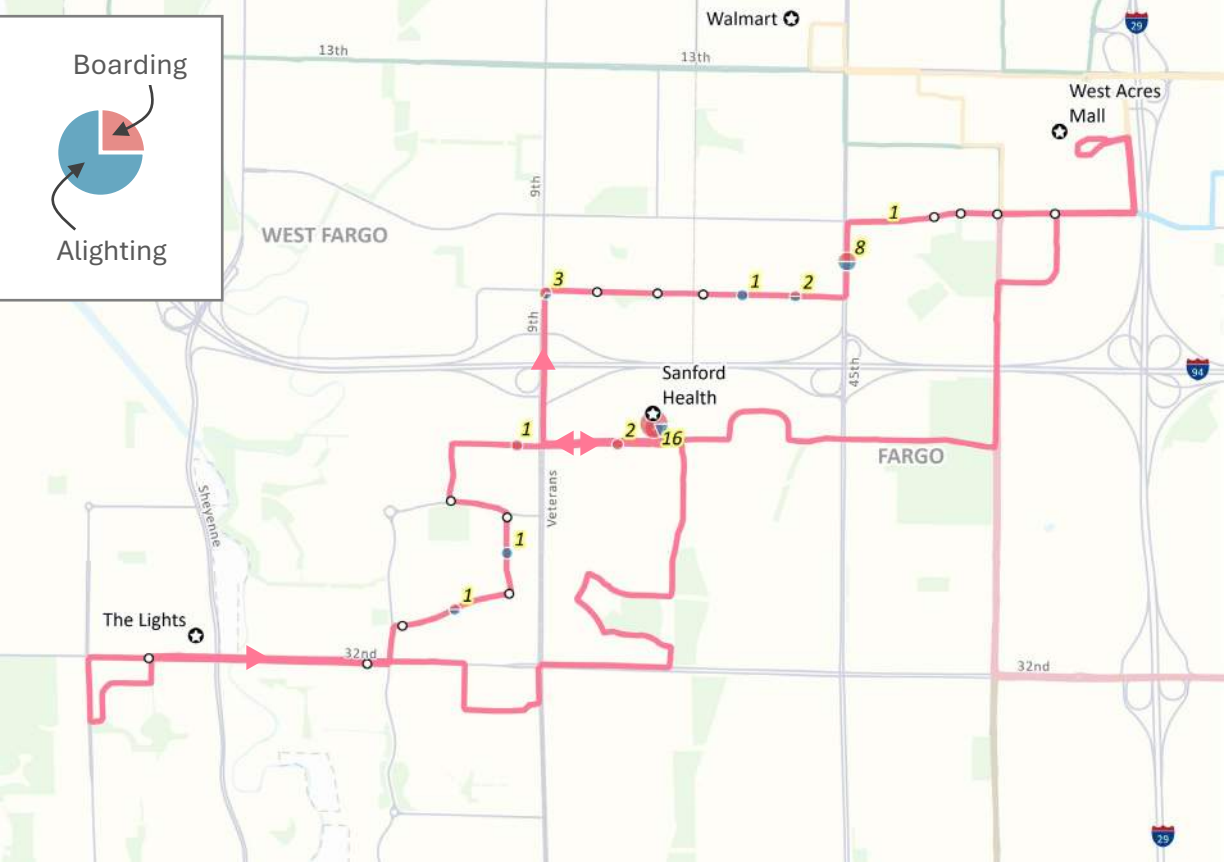


Weekday Outbound Average Boarding Activity

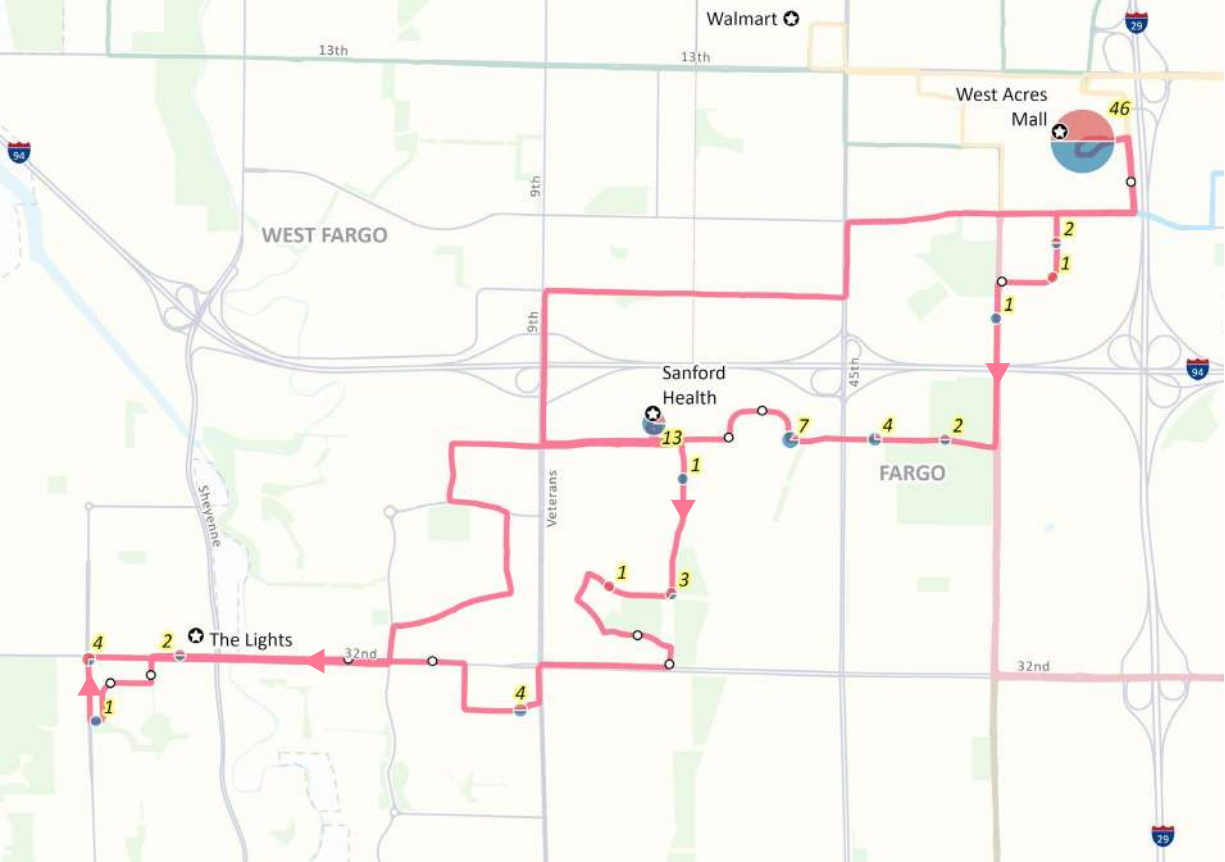


Route 24 West Acres to 9th/32nd

Saturday Inbound Average Boarding Activity



Saturday Outbound Average Boarding Activity



Route Description

Route 31 is a circular route that encircles the western half of North Dakota State University (NDSU) campus and the University Village student housing development. The route operates via 17th Avenue N, Albrecht Boulevard N, and 18th Street N. High-ridership stops include University Village, the intersection of 14th Avenue N and Albrecht Boulevard, the Wellness Center, and the Research and Technology Park.

Morning peak-hour ridership is nearly double that of the rest of the day. Route 31 operates every 20 minutes Monday through Friday during the NDSU academic year. Route 31 consistently demonstrates top on-time performance.

Service Characteristics

	Weekdays	Saturday
Service Start	7:40 AM	No Service
Service End	6:20 PM	
Headway (peak/midday/eve)	20/20	
Average Daily Boardings	239	
Boardings per Revenue Hour	21.73	
Peak Vehicles	1	
Average Distance Between Stops	1,046 feet (0.2 miles)	

Route Strengths

- Consistent ridership with particularly high activities during the morning peak hours
- Consistent ridership throughout weekdays
- Serves campus housing development

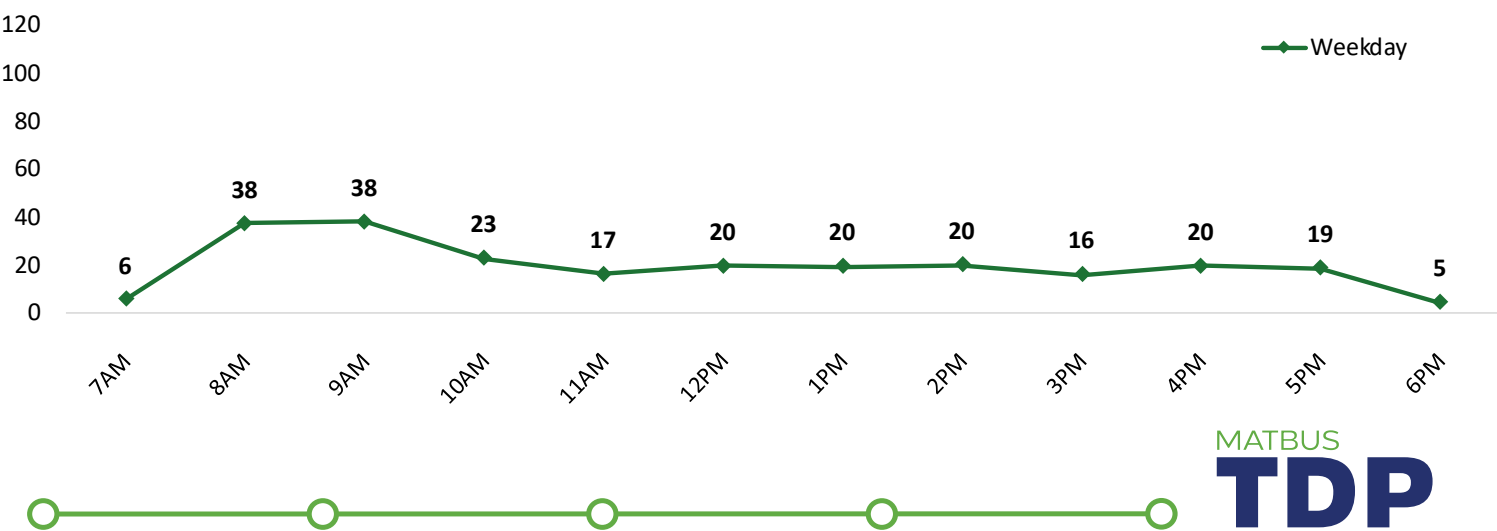
Route Opportunities

- Potential for additional frequency in the morning.
- Potential to consolidate Routes 31 and 34 to offer more frequent service on a single route

Top Weekday Boarding Activity Locations

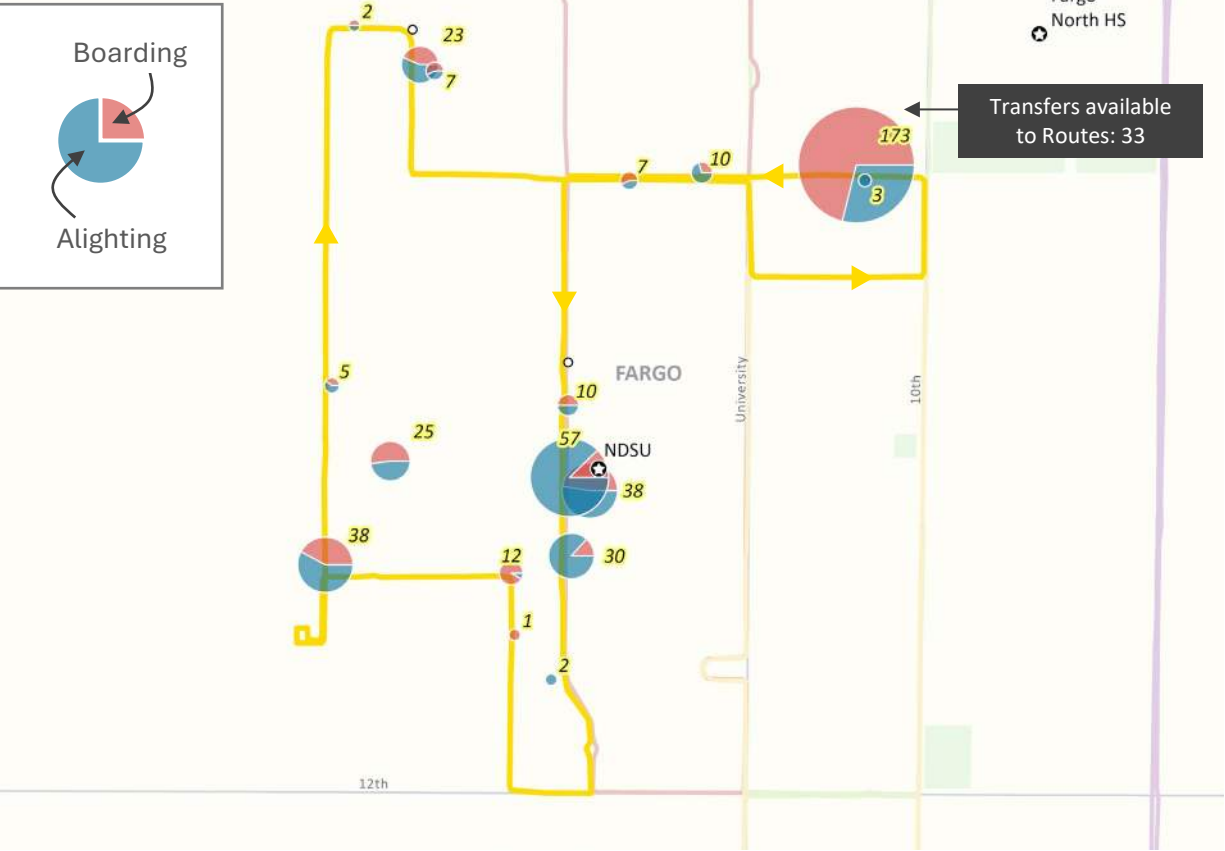
Stop	Boarding Activity	Available Transfers
SHELTER 252 (UNIVERSITY VILL	173	33
ALBRECHT BLVD & 14TH AVE N (	57	
NDSU MINARD HALL (PULLOUT WE	38	
NDSU PELTIER COMPLEX	38	
ALBRECHT BLVD & CENTENNIAL B	30	
SHELTER 248 (WELLNESS CENTER	24	
SHELTER 276 (RESEARCH PARK)	23	
SHELTER 268 (STEVENS HALL)	12	
SHELTER 249 (NDSU HIGH RISES	10	
SHELTER 230 (FARGODOME TRANS	10	

Average Boardings per Hour



Route 31 NDSU

Weekday Average Boarding Activity



Saturday Average Boarding Activity

NO SERVICE ON SATURDAY

Route Description

Route 33 is a circular route that loops around the east side of North Dakota State University (NDSU) campus. It largely parallels Route 13, serving University Drive N and 10th Street N, but offers a shorter connection between University Village (student housing) on the north end and the NDSU downtown buildings on the south end. The Barry Hall and University Village stops have the highest systemwide ridership at the route level, excluding GTC.

Route 33 operates every 10 minutes Monday through Friday during the NDSU academic year. Route 33 consistently demonstrates top on-time performance.

Service Characteristics

	Weekdays	Saturday
Service Start	6:55 AM	No Service
Service End	7:15 PM	
Headway (peak/midday/eve)	10/10	
Average Daily Boardings	995	
Boardings per Revenue Hour	39.80	
Peak Vehicles	2	
Average Distance Between Stops	1,038 feet (0.2 miles)	

Route Strengths

- Very high ridership during the midday hours
- Consistently high ridership throughout weekdays except Friday
- High frequency and highest productivity in the system
- Connections with other NDSU campus bus routes

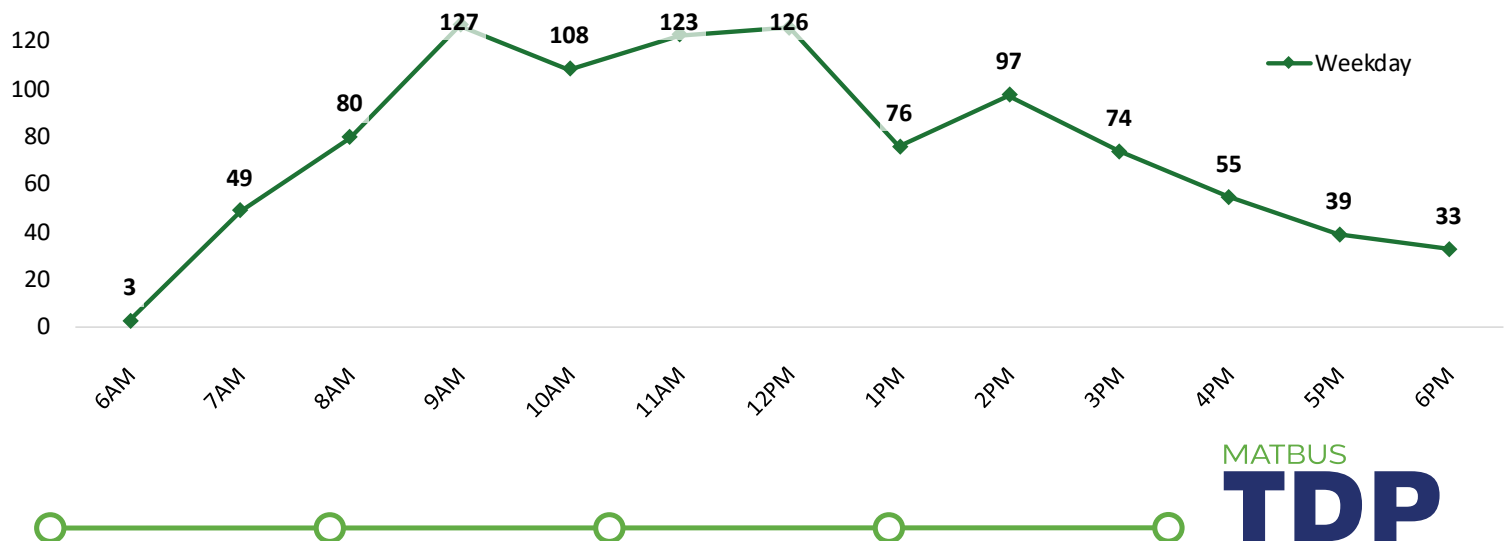
Route Opportunities

- Cost saving opportunity for 20-minute service on Friday given significantly lower ridership compared to other days of the week

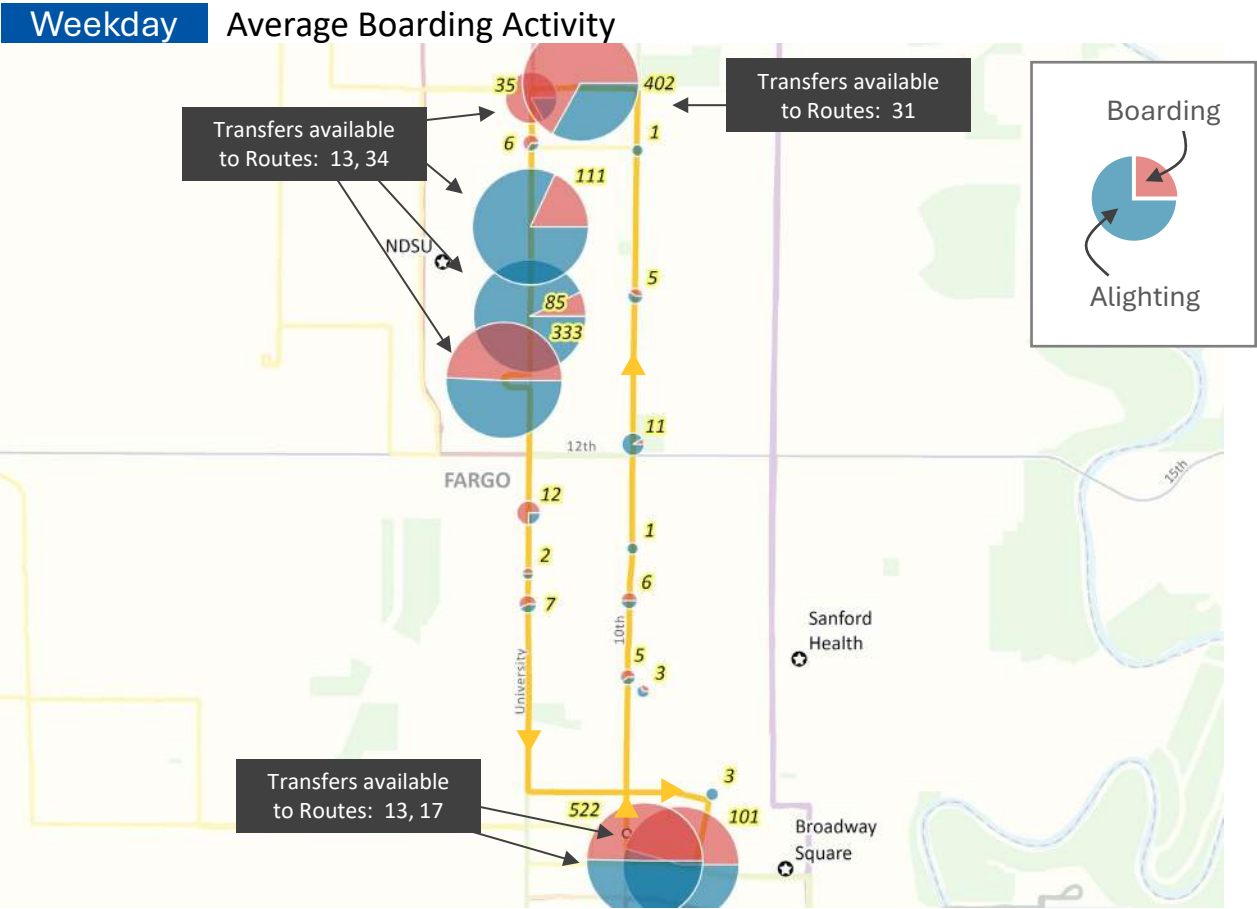
Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
2nd Ave N & NDSU R H Barry Hal	521	13, 17
SHELTER 252 (UNIVERSITY VILL	402	31
Shelter 220 NDSU Transit Hub	333	13, 34
Shelter 225 Bison Court	111	13, 34
2nd Ave N & NDSU Klai Hall Ma	101	13, 17
Shelter 205 Centennial Blvd	85	13, 34
Shelter 217 SHAC	35	13, 34
University Dr N & 11th Ave N	11	13
Shelter 282 Roosevelt Park	10	13
University Dr N & 9th Ave N C	7	13

Average Boardings by Hour



Route 33 NDSU



Saturday **Average Boarding Activity**

NO SERVICE ON SATURDAY

Route Description

Route 34 is a circular route that loops around the eastern half of North Dakota State University (NDSU) campus, connecting Niskanen student housing and Fargo Dorm on the north end to the NDSU Transit Hub on the south end. The route operates via University Drive N and Albrecht Boulevard N. The Niskanen shelter and NDSU Transit Hub are the stops with the highest ridership. Transfers to Route 13 and Route 33 are available on University Drive N.

Route 34 operates every 20 minutes on weekdays Monday through Friday during the NDSU academic year. Route 34 consistently demonstrates the best on-time performance systemwide.

Route Strengths

- Strong ridership at student housing and Fargo Dorm as major trip generators

Route Opportunities

- Potential to consolidate Routes 31 and 34 to offer more frequent service on a single route

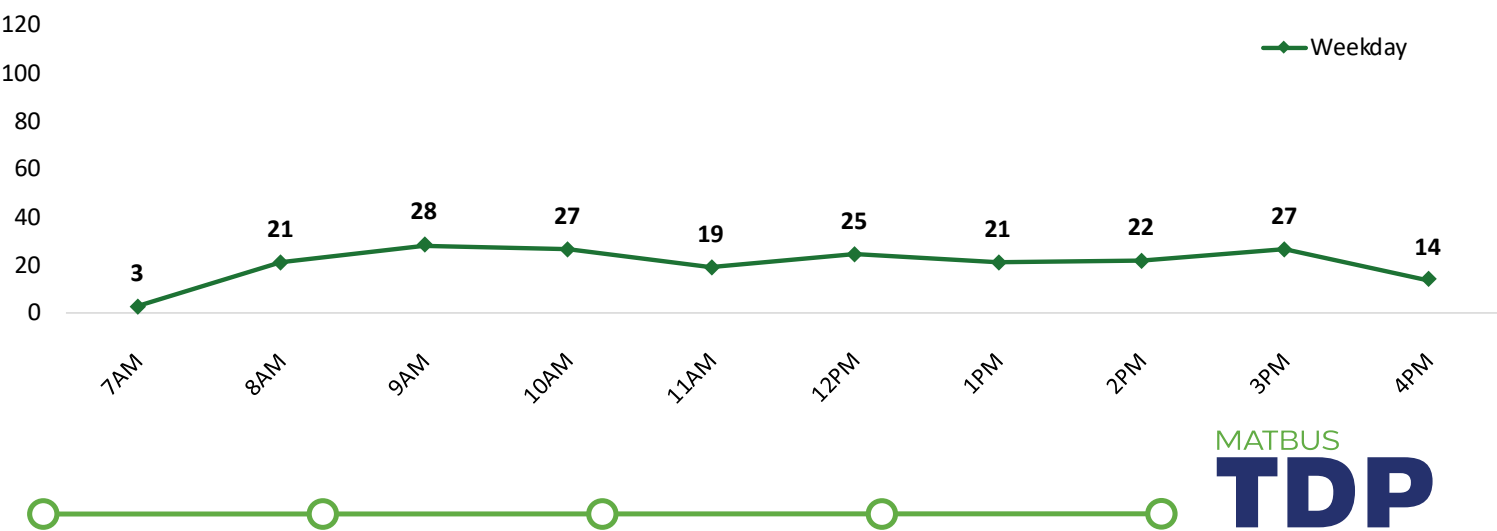
Service Characteristics

	Weekdays	Saturday
Service Start	7:44 AM	No Service
Service End	4:44 PM	
Headway (peak/midday/eve)	20/20	
Average Daily Boardings	207	
Boardings per Revenue Hour	23.00	
Peak Vehicles	1	
Average Distance Between Stops	1,081 feet (0.2 miles)	

Top Weekday Boarding Activity Locations

Stop	Boarding Activity	Available Transfers
SHELTER 256 (NISKANEN)	158	
Shelter 220 NDSU Transit Hub	74	13, 33
NDSU Minard Hall Pullout East	19	13
Shelter 205 Centennial Blvd	16	13, 33
Shelter 251 Albrecht Blvd	13	13
NDSCS-FARGO (MAIN ENTRANCE)	13	
Shelter 247 Centennial Blvd	12	13
Albrecht Blvd & 14th_15th Ave	11	13
Shelter 217 SHAC	6	13, 33
Albrecht Blvd & 17th Ave N Co	5	13

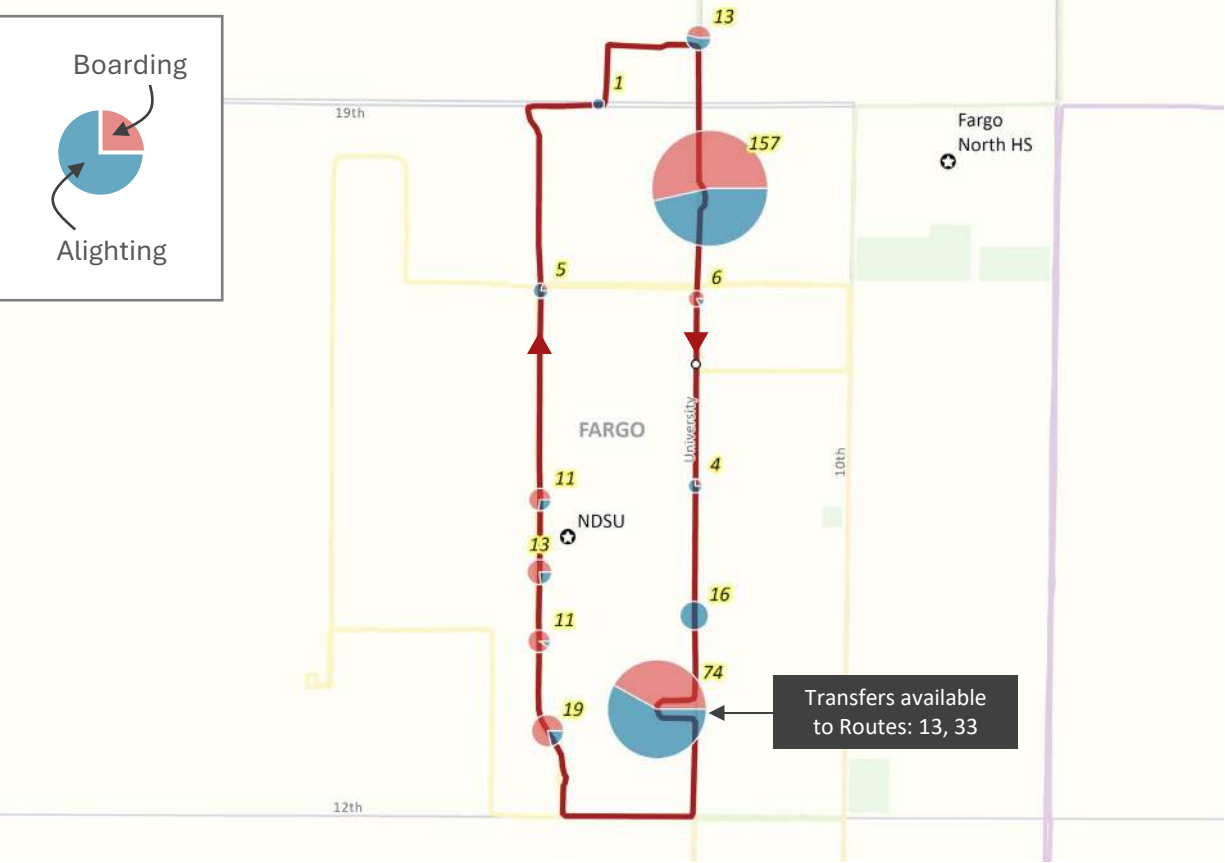
Average Boardings by Hour



Route 34 NDSU

Weekday

Average Boarding Activity



Saturday

Average Boarding Activity

NO SERVICE ON SATURDAY