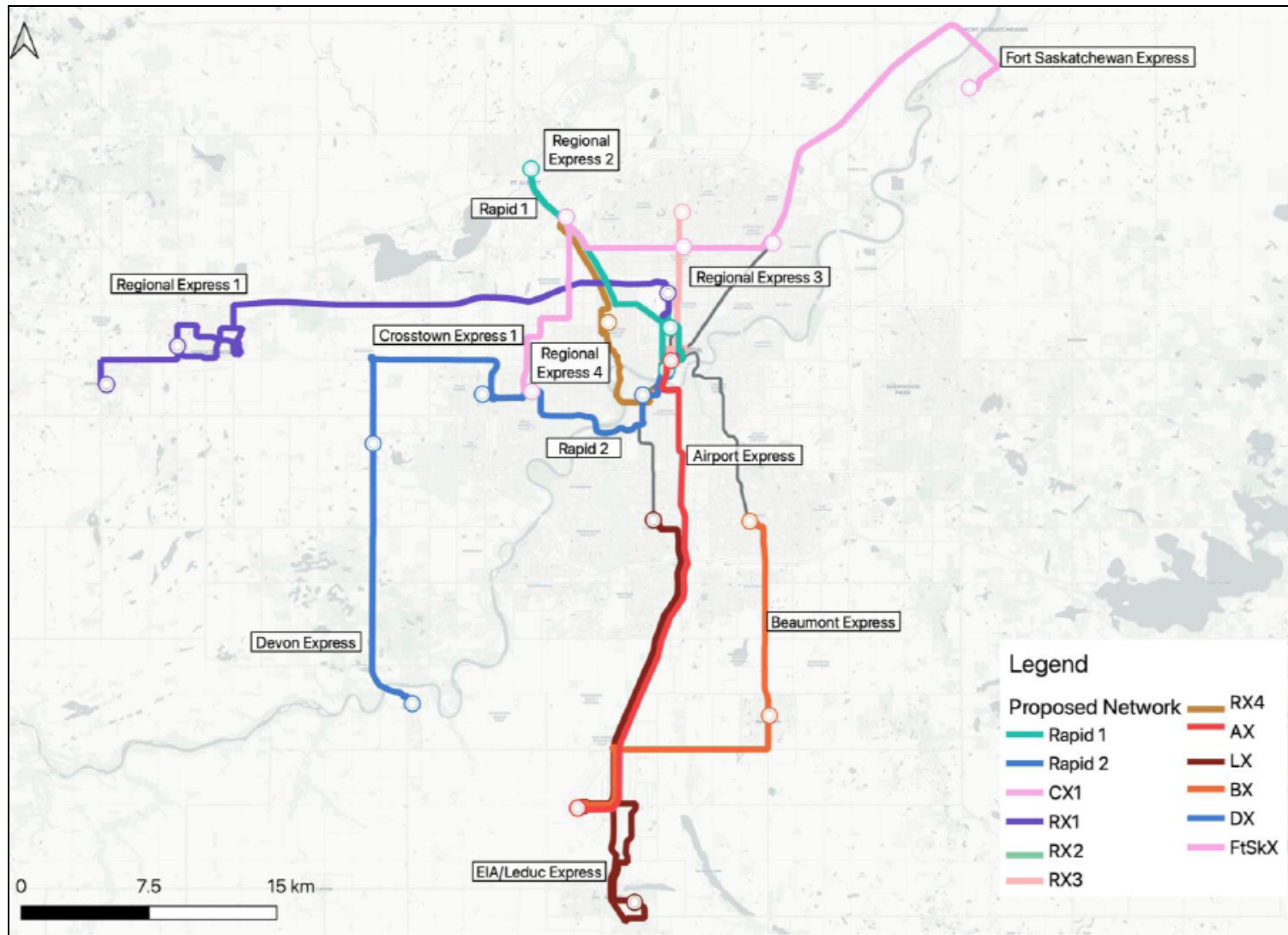


Edmonton Metropolitan Transit Services Commission 2023 Opening Day Network Plan



Commission Route Service Outline and Analysis

Eleven routes are proposed. The service and the impacts are outlined below.

ETS Service Standards define morning peak service as the time period 6:00 AM- 8:30 AM and afternoon peak service as the time period 3:30 PM - 6:00 PM.

- **Regional Express 1** - Stony Plain/Spruce Grove to NAIT, Government Centre, Kingsway

Service:

- Weekday Service: 5:00 AM to 10:00 PM, 20 minute peak service, 120 minute off-peak service
- With stops in Edmonton in the following neighbourhoods: Spruce Avenue, Central McDougall, McCauley, and Downtown

Impacts:

- Route is similar to existing route 560 to Spruce Grove
- Loss of service to Acheson via route 561

- **Rapid 1** - St. Albert Exchange, Naki, Kingsway, Government Centre

Service:

- Weekday Service: 5:00 AM to 1:00 AM, 10 minute peak service, 60 minute off-peak service
- Weekend Service: 5:00 AM to 1:00 AM: no information on frequency
- With stops in Edmonton in the following neighbourhoods: Rampart Industrial, Bonaventure Industrial, McArthur Industrial, Dovercourt, Sherbrooke, Inglewood, Prince Charles, Prince Rupert, Blatchford, Spruce Avenue, Central McDougall, McCauley, and Downtown

Impacts:

- Route is a combinations of existing St. Albert routes
- Assessment of ridership has not been completed

- **Regional Express 2** - Naki, NAIT, Government Centre

Service:

- Weekday Service: 6:00 AM to 10:00 PM with 10 minute peak service, 60 minute off-peak service
- With stops in Edmonton in the following neighbourhoods: Rampart Industrial, Bonaventure Industrial, McArthur Industrial, Spruce Avenue, Central McDougall, and Downtown

Impacts:

- Route is a combinations of existing St. Albert routes
- Assessment of ridership has not been completed

- **Regional Express 4** - St. Albert Exchange, Naiki, Westmount, University of Alberta

Service:

- Weekday Service: 6:00 AM to 1:00 AM, 20 minute peak service, 60 minute off-peak
- Saturday Service: 10:00 AM to 7:00 PM no information provided on frequencies
- With stops in Edmonton in the following neighbourhoods: Rampart Industrial, Bonaventure Industrial, McArthur Industrial, Dovercourt, Sherbrooke, Inglewood, Woodcroft, and University of Alberta

Impacts:

- Route is a combination of existing St. Albert routes
- No assessment of ridership has been completed

- **Crosstown Express 1** - Clareview, Northgate, Naki, West Edmonton Mall

Service:

- Weekday Service: 5:30 AM to midnight, with hourly service
- Saturday Service: 10:00 AM to 7:00 PM with hourly service
- With stops in Edmonton in the following neighbourhoods: Summerlea, Morin Industrial, Stone Industrial, Wilson Industrial, McNamara, Youngstown Industrial, Armstrong Industrial, West Sheffield

Industrial, Norwest Industrial, Sheffield Industrial, Alberta Park Industrial, Garside Industrial, Mitchell Industrial, Mistatim Industrial, Rampart Industrial, Pembina, Wellington, Baranow, Kensington, Carlisle, Griesbach, Rosslyn, Northmount, Glengarry, Kildare, Delwood, York, Belvedere, Clareview Town Centre

Impacts:

- Shares some similar routing and end points with ETS route 54 and St. Albert route 205. ETS route 54 connects Clareview, Northgate and West Edmonton Mall. St. Albert route 205 Connects Naki and West Edmonton Mall. Crosstown Express 1 and St. Albert route 205 follow the same routing between Naki and West Edmonton Mall. Crosstown Express 1 and ETS route 54 follow the same routing between Northgate and Claireview. Crosstown Express 1 provides a new connections between Naki and Northgate..
- City of Edmonton Transit Service Standards (City Procedure C539A) set minimum frequencies of 30 minutes for similar type routes. With frequencies at 60 minutes throughout the day, the route would not meet City of Edmonton standards.
- Currently, the ETS route 54 weekday service is delivered 5:30 AM to 10:00 PM; Saturday 7:30 AM to 9:30 PM; Sunday 8:30 AM - 7:00 PM. Compared to ETS route 54, Crosstown Express 1 will operate later on weekdays, have less span of service on Saturdays, and no service on Sundays.
- St. Albert route 205 weekday service 6:30 AM to 6:00 PM; Saturday 10:00 AM to 7:00 PM. Hourly service provided. Compared to St. Albert route 205, Crosstown Express 1 will have a similar span of service and frequencies.
- It is proposed that the Crosstown Express 1 and the Fort Saskatchewan Express will operate with the same bus when the two schedules allow. This will permit people to travel between Fort Saskatchewan and West Edmonton Mall without having to transfer. Operationally, there may be difficulties in maintaining the schedule because of the relatively long length of the route.
- With fewer stops, we anticipate that Crosstown Express 1 will operate faster than ETS route 54 and provide fewer opportunities to board. For those traveling between Northgate and West Edmonton Mall, those travel times will likely be longer because of the four km detour to Naki.

- **Regional Express 3** - Eaux Claire, Northgate, Government Centre

Service:

- Weekday Service: 6:00 AM to 11:00 PM with 10 minute peak service, 20-60 minute off-peak
- Weekend Service: 8:00 AM to 7:00 PM with 60 minute service
- With stops in Edmonton in the following neighbourhoods: Eaux Claire, Northmount, Glengarry, Rosslyn, Alberta Avenue, Spruce Avenue, Central McDougall, McCauley, and Downtown

Impacts:

- This route is similar to ETS Rapid Express route 120X, but travels on 101 Street instead of 97 Street.
- ETS route 120X provides weekday service from 6:00 AM to 6:00 PM. Proposed timing for the Regional Express 3 adds evening service to midnight pm during the week and adds weekend service.
- Frequencies are intended to match service levels on the 120X.
- With similar routing and frequencies, running parallel service could be seen as duplicative.

- **Rapid 2** - Lewis Farms, West Edmonton Mall, University of Alberta, Government Centre

Service:

- Weekday Service: 6:00 AM to midnight, 20 minute peak peak service and 60 min off-peak
- Weekend Service: 8:00 AM to 7:00 PM, 60 minute service.
- With stops in Edmonton in the following neighbourhoods: Potter Greens, Summerlea, Belgravia, Mckernan, University of Alberta, Garneau, Downtown

Impacts:

- The route is similar to ETS Rapid Express route 920X with an extension from University to Government Centre, paralleling Metro Line and Capital Line.
- Currently, the ETS route 920X provides weekday peak service from 6:00 AM to 9:00 AM and 2:00 PM to 5:30 PM. Rapid 2 follows a similar route to the 920X and extends service throughout the day and to midnight on weekdays. Rapid 2 adds rapid service in off-peak and weekend service periods.

- Peak hour frequencies of the Rapid 2 are intended to match service levels on the ETS 920X. With matching frequencies and routing, running parallel service could be seen as duplicative.
- ETS route 900X provides more direct service from Lewis Farms, WEM to downtown. The Metro and Capital LRT lines provide frequent and reliable service between University and Government Centre. The Rapid 2 will be subjected to traffic congestion in the University and Downtown Areas.
- **Fort Saskatchewan Express** - Fort Saskatchewan, Clareview
 - Service:*
 - Weekday service: 5:00 AM to 7:00 PM, 30 minute peak, limited off-peak service
 - Saturday: 9:00 AM to 7:00 PM, hourly service
 - With stops in Edmonton in the following neighbourhood: Clareview Town Centre
 - Impacts:*
 - Adds Saturday service to current service
 - No ridership projections completed
- **Beaumont Express** - Edmonton International Airport, Beaumont, Mill Woods
 - Service:*
 - Weekday Service: from 6:00 AM - 6:00 PM, 30 minute peak service and 60 minute off-peak
 - With stops in Edmonton in the following neighbourhoods: Walker, Meltwater, Charlesworth, Mill Woods Town Centre
 - Impacts:*
 - Provides an additional regional connection to the airport.
 - Significant service enhancement from current state with 2.5 times the service hours from current state. Adds service midday and peak extensions to the airport
 - No assessment of ridership has been completed
 - mpleted

- **Leduc / Airport Express** - Leduc, Edmonton International Airport, Century Park

Service:

- AM Peak service pattern: bus travels from Century Park, to EIA, through Leduc and then back to Century Park
- PM Peak service pattern: bus travels from Century Park, through Leduc, to EIA and then back to Century Park
- Daily Service: 4:00 AM to 1:00 AM, 30 minute peak service and 60 off-peak service
- Additional Weekday Service: hourly direct service in PM peak between Century Park and EIA

Impacts:

- Service patterns to EIA are modified. Passengers traveling from the airport to Century Park will backtrack through Leduc in the morning. In the afternoon, direct service from Century Park to EIA is reduced to an hourly frequency, with other trips traveling through Leduc before traveling to the EIA.
- Stops added in Edmonton in the Ermineskin neighbourhood

- **Devon Express** - Devon, Lewis Farms

Service:

- September to April only, two trips in AM and two trips in PM
- The Commission intendsto have the Devon Express stop in Enoch in the future
- With Stops in Edmonton in the Potter Greens neighbourhood
- September to April only, two trips in AM peak and two trips in PM peak

Impacts:

- Ridership is expected to be similar to previous Devon service with fewer than 50 rides per week.

Commission Route Costing and Allocation

Route Name	2023 Weekly Service Hours	2023 Service Hours Between Stops in Edmonton (estimate)	Direct Service Cost	Edmonton Allocation %	Edmonton Allocation \$
Regional Express 1	215	37	\$1,559,400	10%	\$155,940
Rapid 1	452	352	\$2,844,000	10%	\$284,400
Regional Express 2	349	349	\$2,192,000	10%	\$219,200
Regional Express 4	275	190	\$1,730,000	10%	\$173,000
Crosstown Express 1	204	204	\$1,203,000	45%	\$541,350
Regional Express 3	346	346	\$2,360,000	100%	\$2,360,000
Fort Saskatchewan Express	80	0	\$567,000	0%	-
Beaumont Express	118	34	\$678,000	10%	\$67,800
Leduc / EIA Express	258	0	\$1,520,000	25%	\$380,000
Rapid 2	285	285	\$2,697,000	100%	\$2,697,000
Devon	24	0	\$94,000	0%	-
<i>Contingency (5%)</i>			\$872,220		\$343,935
Total	2,606	1,798	\$18,316,620		\$7,222,625

There are approximately 1,798 hours of opening day weekly transit service hours proposed to be operated within Edmonton and connecting to Edmonton International Airport.

Crosstown Express 1, Rapid 2, and Regional Express 3 are Edmonton overlay services and account for 835 opening day weekly hours operated within Edmonton City limits.

Rapid 1, Regional Express 2, Regional Express 4 are St. Albert oriented services and account for 891 opening day weekly hours operated within Edmonton City limits.

Regional Express 1 is the only Spruce Grove and Stony Plain oriented service and accounts for 37 opening day weekly hours operated within Edmonton City limits.

Beaumont Express is the only Beaumont oriented service and accounts for 34 opening day weekly hours operated within Edmonton City limits.