Meet the People Behind Scheduling

Ingredients of a Schedule







Travel Time

- The time it takes to travel the route.
- Traffic congestion, time spent at stops, and left turns may impact travel times.

Number of Customers and Service Frequency

- The number of customers who need to be accommodated on the route in a hour.
- Demand influences the service frequency of the route.
- Minimum service frequency guideline:
- 30 minute service in urban area. • 90 minute service in rural area.

Number of Buses Available

• How services are scheduled impacts the number of buses required to operate a similar level of service.



Number of Operators Available

• The number of operators available impacts schedules, and how much service can be provided.



Recovery

- help keep the route on time.
- Time for a washroom break.





Connections

- when trips arrive or depart.
- **Shift Times and School Class Times**
- Shift times at employment sites and post-secondary and secondary class times.
- can influence when a trip departs or arrives.

• The amount of time provided to recover any time lost and

• Connections to other bus routes or service providers impacts

Consistent Schedules

•When service operates every 15 minutes or greater, trips should depart at the same times each hour where possible.

 Makes schedules easy to remember.

Using Buses on More than One Route (Interlining)

 Scheduling a bus to operate on more than one route can make more efficient use of available resources and allow more service to be provided with the same number of buses.

Sufficient Recovery Time

•Ensures schedules can recover from unforeseen delays.

 Schedules can accommodate slight changes in travel time on particular trips.

Appropriate Timing Points

- •Travel time is determined between major stops, and intermediate stops are calculated based on distance between stops.
- Provides customers with more accurate arrival times at their stop.
- •Timing points are generally spaced 5 to 10 minutes apart, or where the speed of travel changes.

What Makes for a Strong Schedule



30 Minute Service











Uneven Schedule

					East
Stop #1789	Kingston @ Westney Stop #2236	Kingston @ Salem Stop #93254	Dundas @ Brock Street Stop #425	Dundas @ Thickson Stop #451	Ritson @ Richmond Stop #3118
:35	05:41	05:46	05:55	06:01	06:14
:54	06:00	06:05	06:14	06:20	06:33
:09	06:15	06:20	06:29	06:35	06:48