

Five Basic Service Reduction Techniques

1. Make Selected Trip Reductions

a) Span Reductions

- Hours of operation change
- Schedule starts later and/or ends earlier
- Impact is to the earliest and/or latest trips of the day
- Span reductions can be made on weekdays or weekends

b) Non-Span Reductions

- Eliminate individual selected trips
- Could occur on weekdays or weekends
- Does not affect hours of operation

WEEKDAY OR WEEKEND SCHEDULE

	AVENUE W	AVENUE X	AVENUE Y	AVENUE Z
Early trips eliminated	4:55	5:02	5:09	5:19
	5:30	5:40	5:52	6:01
	6:00	6:10	6:19	6:30
	6:30	6:40	6:54	7:05
	7:00	7:10	7:18	7:30
	7:30	7:40	7:50	8:00
	8:00	8:10	8:19	8:30
	8:30	8:40	8:50	9:00
	9:00	9:10	9:19	9:30
	9:30	9:40	9:50	10:00
Hours of operation change	10:00	10:10	10:19	10:28
	10:30	10:40	10:50	11:02
	11:00	11:10	11:19	11:28
	12:00	12:10	12:19	12:28
	12:30	12:40	12:50	1:03
	1:00	1:10	1:18	1:30
	2:00	2:10	2:20	2:30
	3:00	3:10	3:20	3:28
	3:30	3:40	3:52	4:00
	4:00	4:10	4:18	4:25
	4:30	4:40	4:50	5:01
	5:00	5:10	5:19	5:30
	5:30	5:40	5:50	6:00
	6:00	6:10	6:19	6:30
Late trips eliminated	7:00	7:08	7:18	7:30
	7:30	7:42	7:52	8:02

WEEKDAY OR WEEKEND SCHEDULE

	AVENUE W	AVENUE X	AVENUE Y	AVENUE Z
Early trips eliminated	4:55	5:02	5:09	5:19
	5:30	5:40	5:52	6:01
	6:00	6:10	6:19	6:30
	6:30	6:40	6:54	7:05
	7:00	7:10	7:18	7:30
	7:30	7:40	7:50	8:00
	8:00	8:10	8:19	8:30
	8:30	8:40	8:50	9:00
	9:00	9:10	9:19	9:30
	9:30	9:40	9:50	10:00
	10:00	10:10	10:19	10:28
	10:30	10:40	10:50	11:02
	11:00	11:10	11:19	11:28
	12:00	12:10	12:19	12:28
	12:30	12:40	12:50	1:03
	1:00	1:10	1:18	1:30
	2:00	2:10	2:20	2:30
	3:00	3:10	3:20	3:28
	3:30	3:40	3:52	4:00
	4:00	4:10	4:18	4:25
	4:30	4:40	4:50	5:01
	5:00	5:10	5:19	5:30
	5:30	5:40	5:50	6:00
	6:00	6:10	6:19	6:30
	7:00	7:08	7:18	7:30
	7:30	7:42	7:52	8:02

Selected trip reductions exclusive of first and last trips

2. Reduce Frequency (Headway Changes)

- Headway widening increases wait time between buses
- Increases time interval between buses
- Often reduces number of buses required
- Could occur on weekdays or weekends
- Could occur during peak or off-peak times*

ROUTE X SCHEDULE WEEKDAY

	AVENUE W	AVENUE X	AVENUE Y	AVENUE Z
OFF-PEAK	4:55	5:02	5:09	5:19
	5:30	5:40	5:52	6:01
	6:00	6:10	6:19	6:30
	6:30	6:40	6:54	7:05
	7:00	7:10	7:18	7:30
	7:30	7:40	7:50	8:00
	8:00	8:10	8:19	8:30
	8:30	8:40	8:50	9:00
	9:00	9:10	9:19	9:30
(MIDDAY) OFF-PEAK	10:00	10:10	10:19	10:28
	11:00	11:10	11:19	11:28
	12:00	12:10	12:19	12:28
	1:00	1:10	1:18	1:30
	2:00	2:10	2:20	2:30
	3:00	3:10	3:20	3:28
	3:30	3:40	3:52	4:00
	4:00	4:10	4:18	4:25
	4:30	4:40	4:50	5:01
	5:00	5:10	5:19	5:30
	5:30	5:40	5:50	6:00
OFF-PEAK	6:00	6:10	6:19	6:30
	7:00	7:08	7:18	7:30
	7:30	7:42	7:52	8:02

Reduced frequency increases wait time between buses.

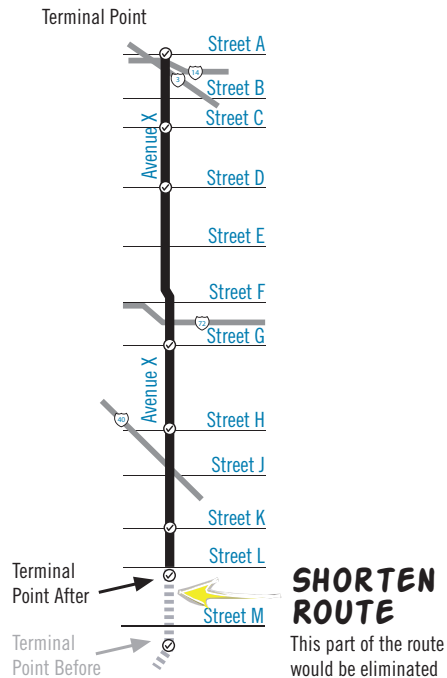
For example, during peak hours service runs every 30 minutes and midday off-peak every 60 minutes.

Represents an example of eliminated trips

*Note: all weekend service is considered off-peak

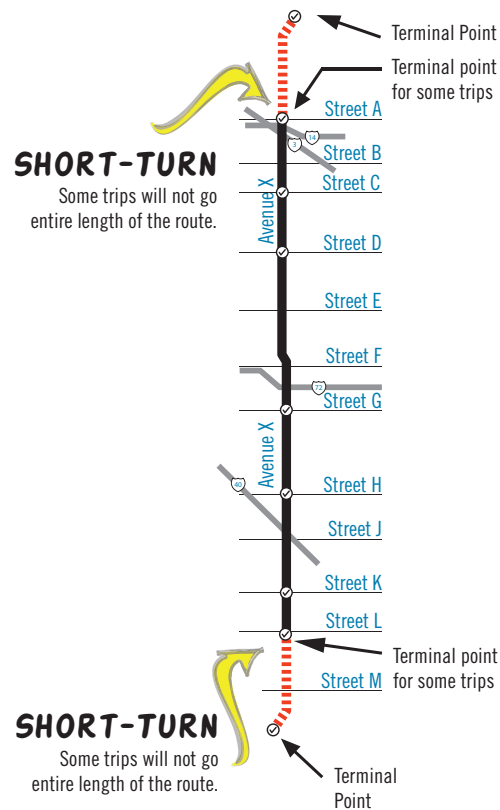
3. Shorten Entire Route

- Change Terminal Point
- Eliminate service on the least used route segments (shorten entire route)
- The bus route length would be shorter
- Lowest ridership of route end would be cut



4. Make Short Turns

- Reduce service on selected trips
- Not all buses would travel the entire length of a route all the time



5. Eliminate Routes

- Reduce coverage in areas with high density of service (core areas)
- Re-space less used parallel routes; discontinue routes
- Eliminate routes with lowest ridership

