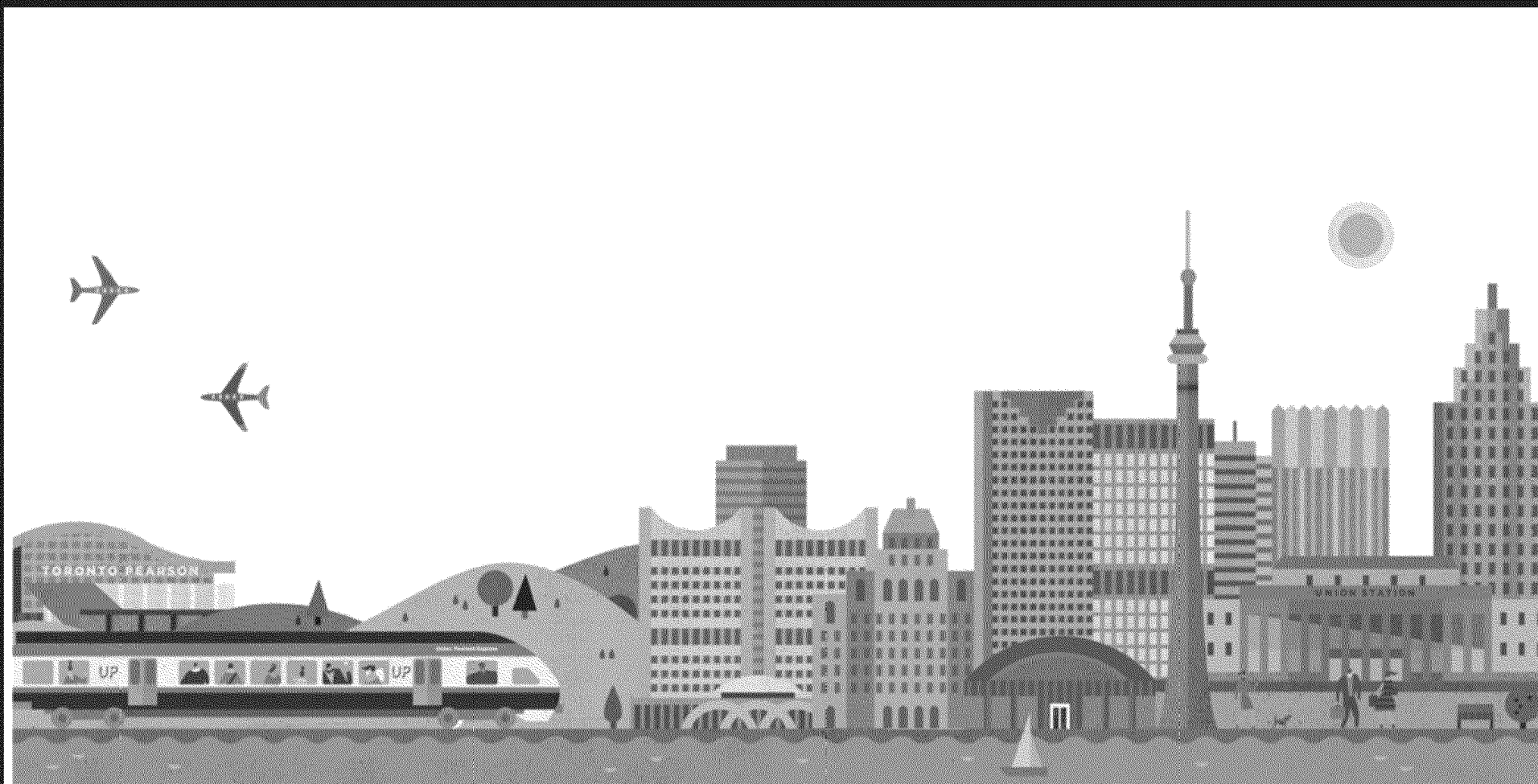
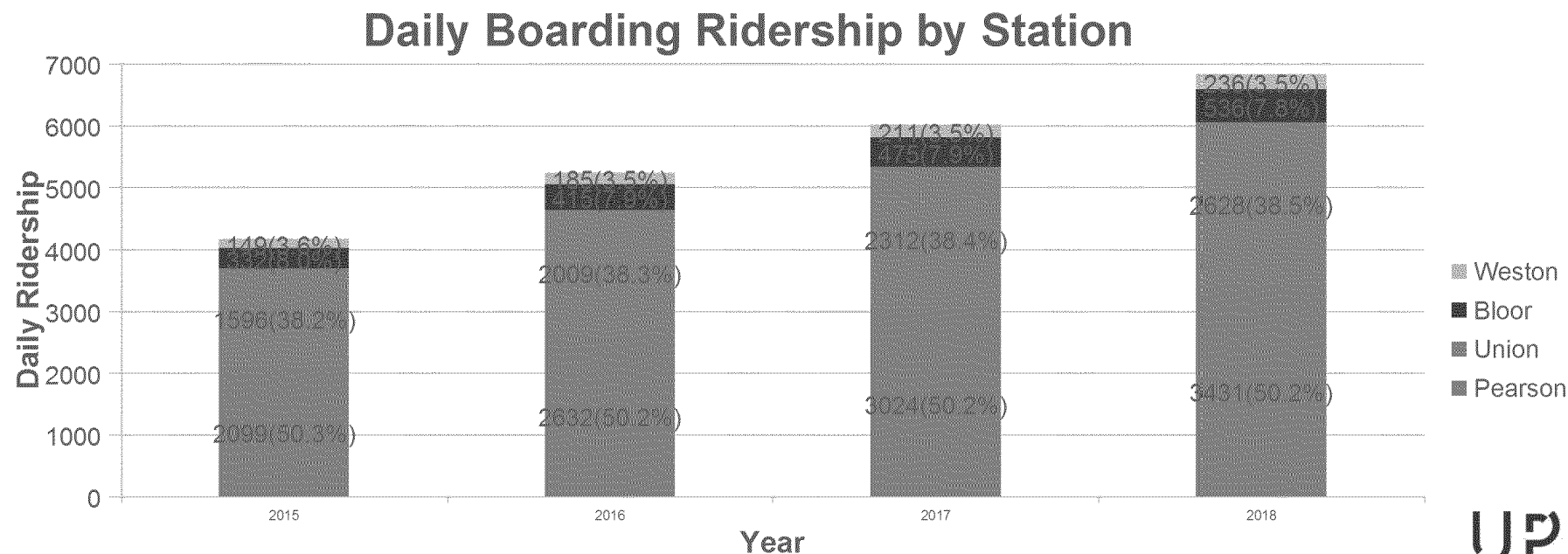


UP Express Hourly Station Traffic Estimates
October 21st, 2013



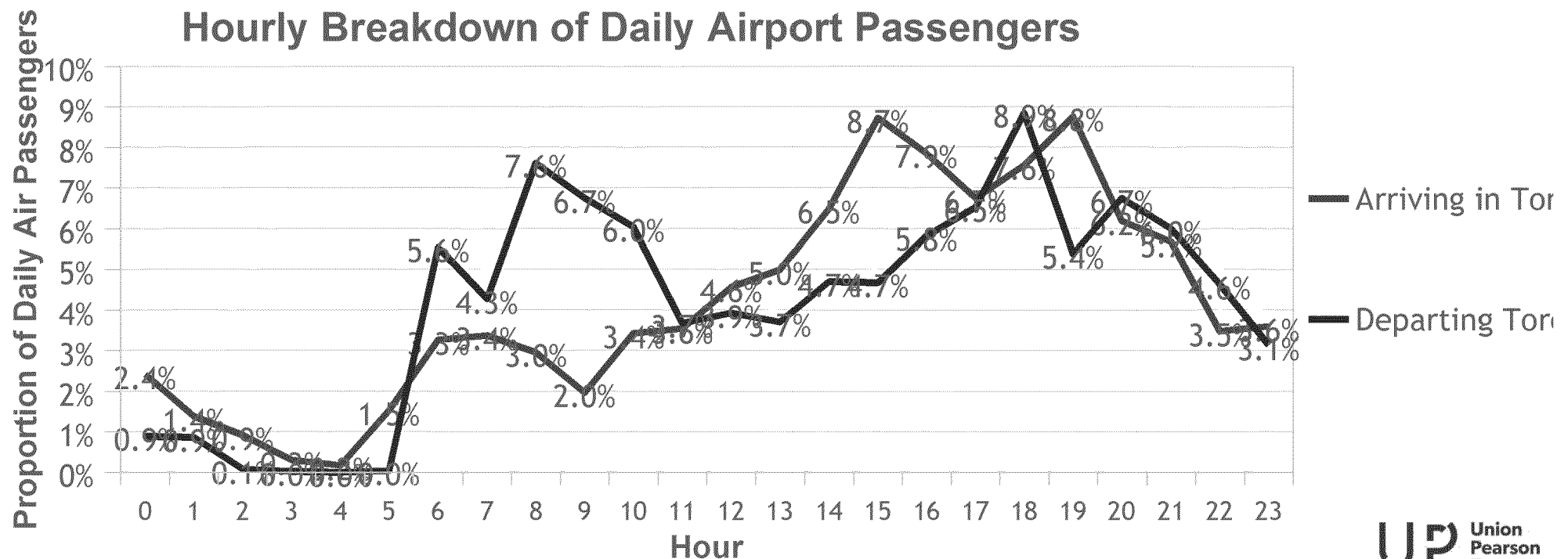
- Estimates for the ridership traffic at each station (Union, Bloor, Weston, and Pearson) in each direction of travel (boarding or alighting) for each hour of UP Express service have been calculated using the most current SDG ridership data¹.
- Exclusion per Committee Direction**

Exclusion per Committee Direction a headway time of 15 minutes, and a ridership ramp-up effect of 65%, 80%, and 90% for first three years.
- This data may prove useful in determining the hourly station servicing and customer care requirements, as well as other traffic based requirements.



¹ Steer Davies Gleave. *Toronto Union Pearson Express Ridership Forecast Update May 2013*, 2013

- The hourly ridership model¹ provided to UP Express by SDG is based on the airport flight data and the generalized time spent at the airport.
- The model assumes that passengers need both to pass through the airport then complete a check-in and security check.
 - ✓ Arrival: 45 minutes for domestic/transborder flights and 60 minutes for international flights
 - ✓ Check-in and security: 60/90/120 minutes for domestic, transborder and international flights respectively



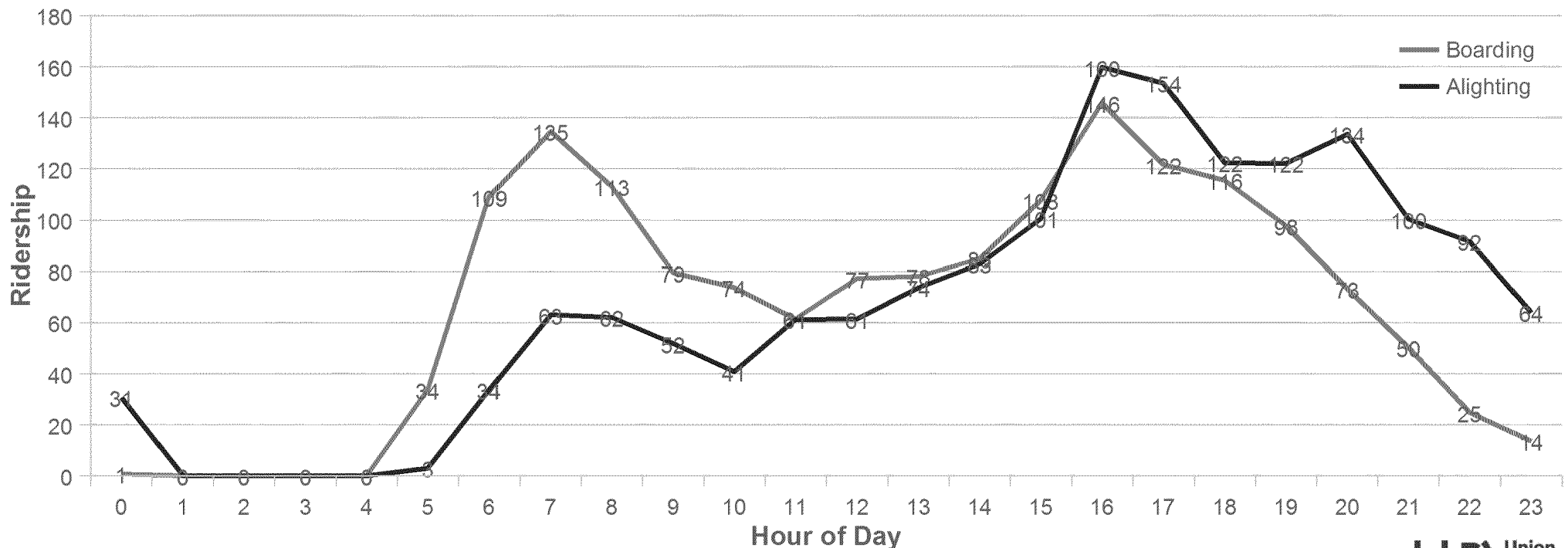
¹ Steer Davies Gleave. *Toronto Union Pearson Express Ridership Forecast Update May 2013*, 2013

- The average day hourly by station and traffic type distributions are summarized below based on the median, average, and peak hour for the calendar years 2015, 2016, 2017, and 2018.

Station Union	Traffic	Hourly	2015	2016	2017	2018
Bloor	Boarding	Median	79	99	114	130
		Average	80	100	116	131
		Peak	146	184	211	240
	Alighting	Median	69	87	100	113
		Average	81	101	117	133
		Peak	160	201	231	263
	Boarding	Median	16	20	23	26
		Average	17	21	24	27
		Peak	30	38	43	49
Weston	Alighting	Median	14	18	20	23
		Average	17	21	24	27
		Peak	33	42	47	54
	Boarding	Median	7	9	10	12
		Average	7	9	11	12
		Peak	14	17	19	22
	Alighting	Median	6	8	9	10
		Average	8	9	11	12
		Peak	15	19	21	24
Pearson	Boarding	Median	90	112	129	147
		Average	105	132	151	172
		Peak	208	261	300	340
	Alighting	Median	103	129	148	168
		Average	104	130	150	170
		Peak	190	238	274	311

- Boarding traffic represents UP Express guests that will be potentially buying tickets, making inquiries, and requiring assistance.
- Daily increase of 12.8% in August
- Alighting traffic represents UP Express guests that will be potentially making inquiries and requiring assistance.
- Daily increase of 10.7% in August

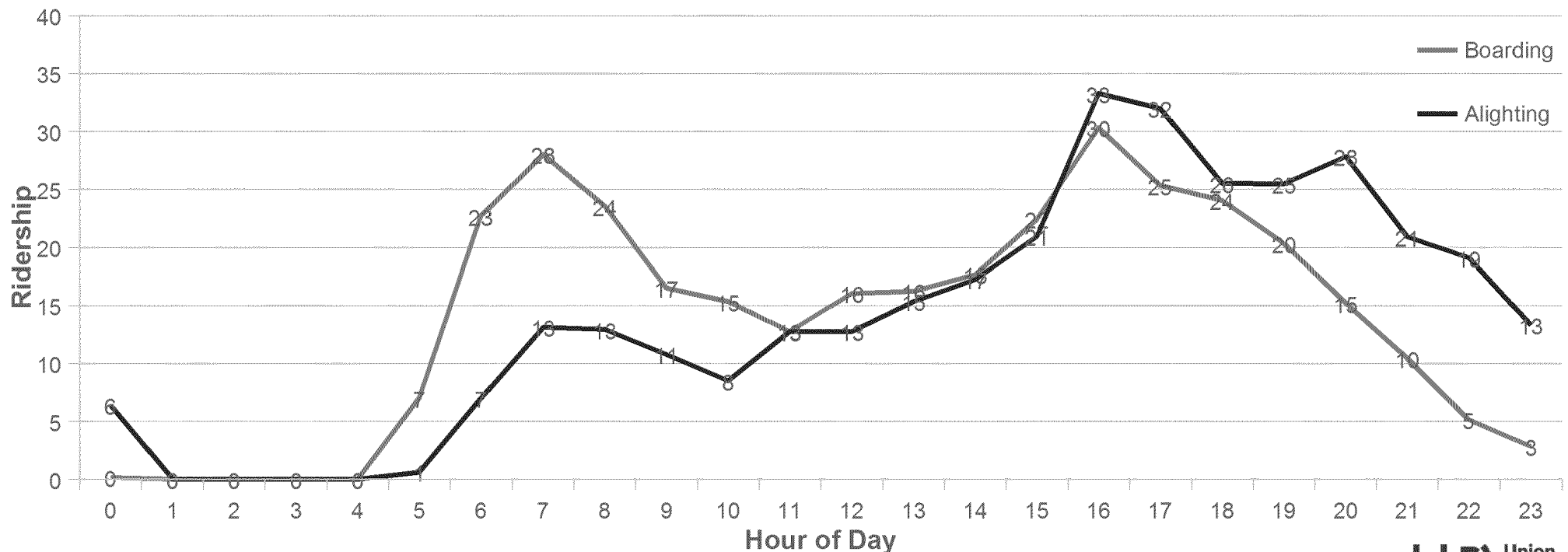
Average Day Union Station Hourly Ridership for 2015



¹ Steer Davies Gleave, 2013

- Boarding traffic represents UP Express guests that will be potentially buying tickets, making inquiries, and requiring assistance.
- Daily increase of 26.2% in August
- Alighting traffic represents UP Express guests that will be potentially making inquiries and requiring assistance.
- Daily increase of 24.1% in August

Average Day Bloor Station Hourly Ridership for 2015



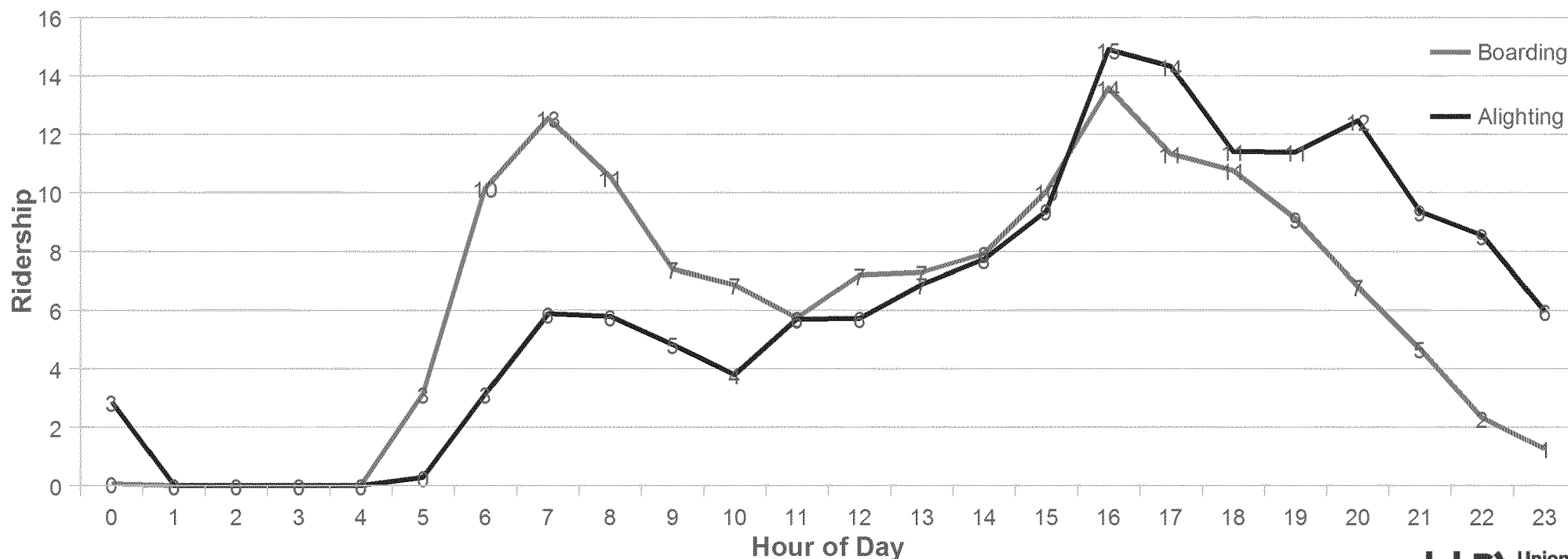
¹ Steer Davies Gleave, 2013

2015 Average Day Weston Station Hourly Boarding and Alighting Ridership

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- Boarding traffic represents UP Express guests that will be potentially buying tickets, making inquiries, and requiring assistance.
- Daily increase of 18.8% in August
- Alighting traffic represents UP Express guests that will be potentially making inquiries and requiring assistance.
- Daily increase of 17.3% in August

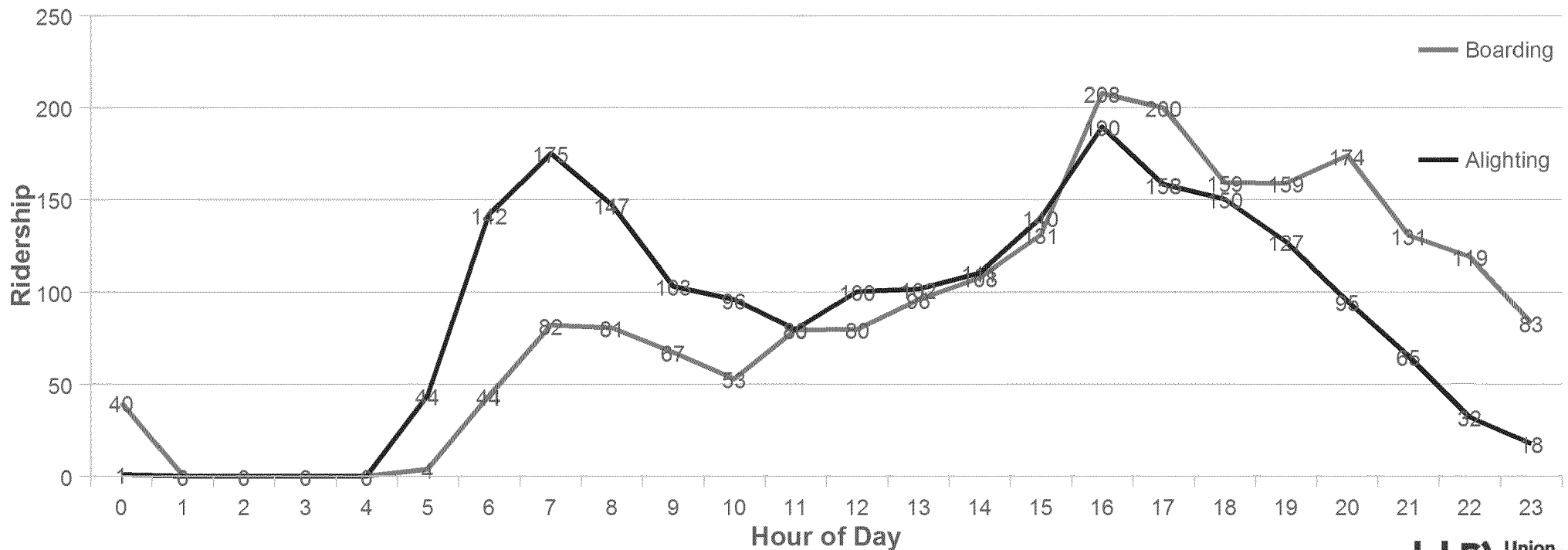
Average Day Weston Station Hourly Ridership for 2015



¹ Steer Davies Gleave, 2013

- Boarding traffic represents UP Express guests that will be potentially buying tickets, making inquiries, and requiring assistance.
- Alighting traffic represents UP Express guests that will be potentially making inquiries and requiring assistance.
- Daily increase of 13.3% in August
- Daily increase of 15.4% in August

Average Day Pearson Station Hourly Ridership for 2015



¹ Steer Davies Gleave, 2013

- Hourly traffic estimates for each station in proceeding years can be calculated using the yearly percentage increases from the 2015 base year.
- A summary of these yearly traffic percentage increases is provided in the table below for 2016, 2017, and 2018.

Station	Traffic	2016	2017	2018
		% increase from 2015 base year	% increase from 2015 base year	% increase from 2015 base year
Union	Boarding	25.9%	44.9%	64.6%
	Alighting	25.6%	44.7%	64.4%
Bloor	Boarding	25.0%	42.8%	61.2%
	Alighting	24.7%	42.6%	61.0%
Weston	Boarding	24.4%	41.4%	58.9%
	Alighting	24.2%	41.2%	58.7%
Pearson	Boarding	25.4%	44.1%	63.5%
	Alighting	25.6%	44.3%	63.7%

- Results of the 2013 forecast are largely consistent with previous forecasts
- As part of this 2013 forecast, key assumptions were updated:
 - Air traffic forecasts revised to account for updated passenger forecasts at Pearson Airport and impacts of Billy Bishop Airport forecasts
 - Adjustments to the costs of competing modes: Airport Express Bus fare increase from \$23.95 to \$26.95, and more recently to \$27.95 in July
 - No change to ramp-up assumptions (65%/80%/90%) over the first 3 years
 - The central forecast aligns with the current UP Express Business Plan and Exclusion per Committee Direction
Exclusion per Committee Direction

- **Exclusion per Committee Direction**

- UP Express has adjusted its central ridership forecast at 2.35m in 2018 to stay conservative in its expectations

Exclusion per Committee Direction

- The Exclusion per Committee Direction ridership results do not include additional potential passengers and new markets as a result of marketing and advertising – i.e. B2B, airport employees, meeters and greeters, non-airport travelers

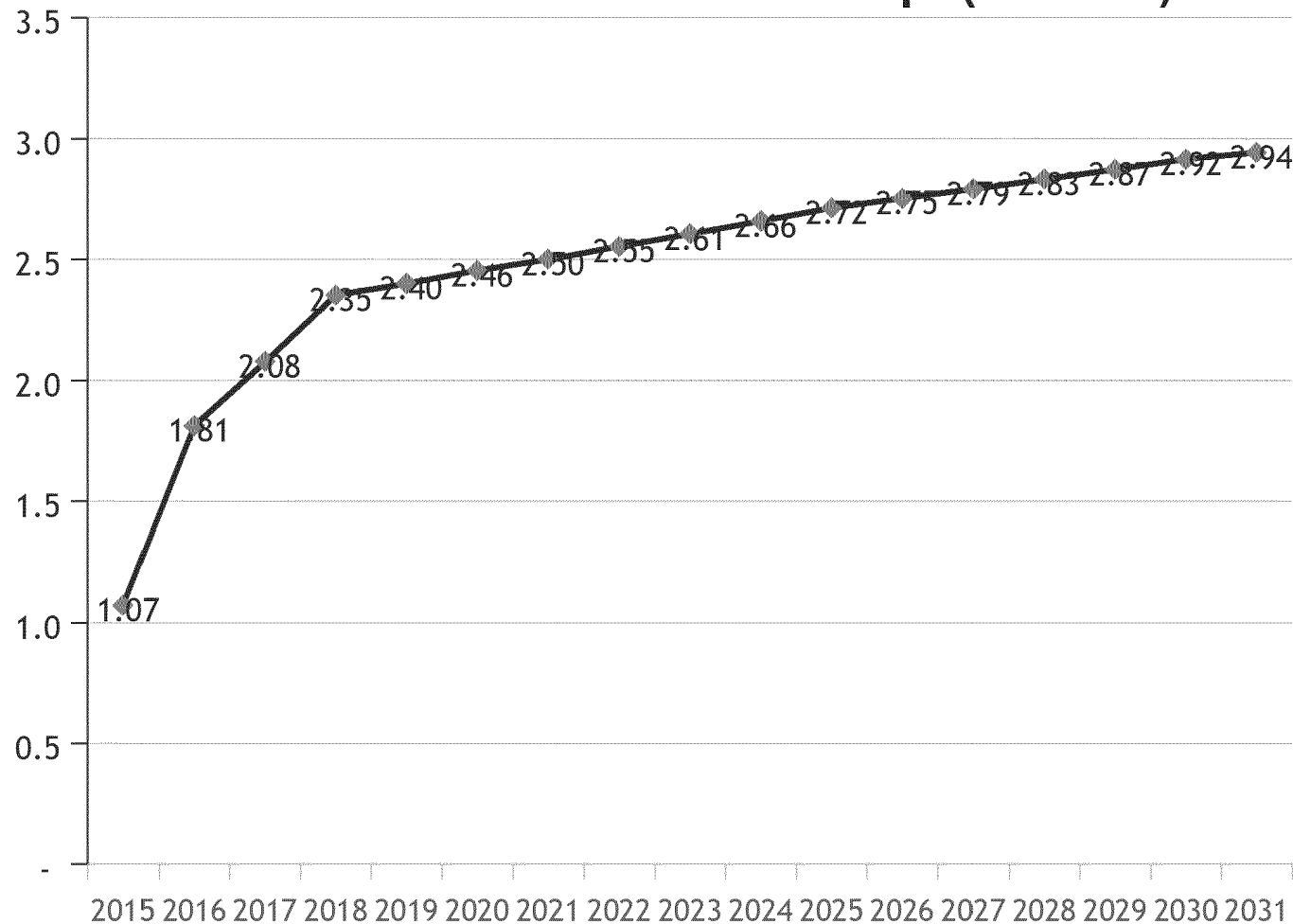
APPENDIX – 2013 Overall Ridership Forecast Results

Ridership Summary – By Station, Trip Purpose

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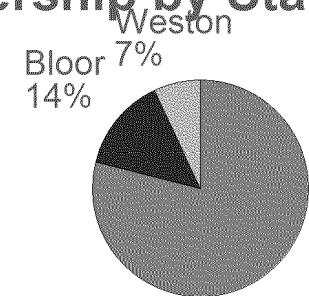
- The majority of UP Express riders will access our service at Union Station (79%)
- In 2015 we would expect at least 150,000 passengers (an average of 500-600/day) through Bloor Station alone

UP Central Forecast - Ridership¹ (Millions)



¹ Steer Davies Gleave, 2013

Estimated Ridership by Station¹



UP Passenger Trip Purpose¹

