TransitTrak: MTA Open Data

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Harness the power of your transit data

Making informed transit decisions requires good data. Swiftly gets to the heart of what makes fast, reliable transit service in your city.
### Run-Times Suggested Schedule

**Potential OTP:** Swiftly's suggested schedule: **83.2%**

- Maryland Transit Administration's current schedule: **74.6%**

#### Timebands

<table>
<thead>
<tr>
<th>Timebands</th>
<th>Potential OTP</th>
<th>Potential OTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:00 - 05:44</td>
<td>100.0%</td>
<td>70.9%</td>
</tr>
<tr>
<td>05:45 - 08:44</td>
<td>89.5%</td>
<td>61.6%</td>
</tr>
<tr>
<td>08:45 - 14:29</td>
<td>82.4%</td>
<td>77.4%</td>
</tr>
<tr>
<td>14:30 - 18:44</td>
<td>77.1%</td>
<td>73.8%</td>
</tr>
<tr>
<td>18:45 - 22:59</td>
<td>87.4%</td>
<td>82.6%</td>
</tr>
</tbody>
</table>
- Actual arrival time
- Scheduled arrival time
- Seconds early or late
- Direction ID
- Route color
- Route name
- Route ID
- Headway

- Trip ID
- Stop ID
- Stop name
- Stop latitude and longitude
- Cancelled or scheduled
- Headsign
- Speed
- Day of week
- Hour of day

Black - Static (GTFS)
Green - Dynamic (Swiftly)
Yellow - Self Computed
What is the On Time Percentage of every route?
<table>
<thead>
<tr>
<th>Actual Arrival Time</th>
<th>Scheduled Arrival Time</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 7th 2019, 17:10:13.687 1,562,533,795</td>
<td>1,562,533,740</td>
<td>55</td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Value 1</td>
</tr>
<tr>
<td>--------------</td>
<td>----------</td>
<td>---------------</td>
</tr>
<tr>
<td>July 7th 2019</td>
<td>17:10:13.704</td>
<td>1,562,534,134</td>
</tr>
<tr>
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<tr>
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<td>1,562,534,064</td>
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<tr>
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<tr>
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<tr>
<td>July 7th 2019</td>
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<tr>
<td>July 7th 2019</td>
<td>17:10:13.671</td>
<td>1,562,538,223</td>
</tr>
</tbody>
</table>
April OTP Data

[OTP] All (-2 to 7)

- 421 to $\infty$ (23.96%)
- $-\infty$ to -121 (8.28%)
- -120 to 420 (67.76%)

Bus (CityLink, LocalLink, Express BusLink) On-Time Performance

04/19: 70.7%
June 1st-22nd

[OTP] All (-1 to 5)
-∞ to -61 (14.94%)
-60 to 300 (50.72%)
301 to +∞ (34.33%)

[OTP] All (-2 to 7)
-120 to 420 (66.19%)
-∞ to -121 (9.72%)
421 to +∞ (24.1%)
June 23rd - July 5th

[OTP] All (-1 to 5)

- $301$ to $+\infty$ (32.26%)
- $-60$ to $300$ (54.25%)
- $-\infty$ to $-61$ (13.49%)

$+3.53\%$

[OTP] All (-2 to 7)

- $-120$ to $420$ (69.96%)
- $-\infty$ to $-121$ (8.47%)
- $421$ to $+\infty$ (21.57%)

$+3.77\%$
Speed
Data
Data
But bike lanes aren't the problem.....
Adam Hu: It's flowermart related you effing knuckleheads

Fred Scharmen: My. Vernon Place is closed for Flower Mart. It happens every year, and there is tons of notification. Plan accordingly.

Geoff Rowland: I walk that stretch every day, and traffic is definitely worse - (outside of flower mart) - however, I wonder how much delay it actually causes....5-10 minutes maybe?

Eric Turner: Geoff Rowland: Enough to cause the PK to have significant delays every afternoon. Lots of bunching.
Centre St - Citylink Pink - Eastbound
Patrick E. Parents Jr.
Entrepreneur-Bird Innovation | Professional Transit Operator | We Make Apps For Bus Operators Like Me
operator1198.com
Baltimore, Maryland
Transportation/Trucking/Railroad

Bird Innovation a DBA of Parents Transportation
Maryland Transit Administration
Morgan State University
Portfolio
289 connections
Bad Traffic Light Synchronization

- Beginning of Congestion
- Lane Fills w/ Park Ave Traffic before Centre St Gets Green Light
- Light does not remain Green Long enough to allow Centre Street Traffic to move
- Constant flow of traffic from Park Ave
- Red Light immediate Stops
- Green Light Feed more Traffic

7-12 Minutes Lost Running Time
Bus Lane Enforcement
Thank you law enforcement for enforcing the bus lanes. This was a full bus slowed down repeatedly by cars parked or stopped in the bus lane. Can anyone identify which agency the officer is with?
Unprotected Pedestrian
@CharmCtyTraffic

MTA enforcing Charles St again! Two work days in a row with little congestion NB during evening commuter peak. It's almost like transit would safely and efficiently solve #Baltimore #traffic when prioritized...

5:16 PM - 10 Jun 2019
Friday was around 4. Monday around 5.

They had at least two officers out there.

Charles St around 4:45 today. Two MTA cop cars again, but this time they were parked in the bus lane at Biddle. So less helpful. Clear up to that point, but the block south of Mt Royal still packed with GrubHub drivers.

The other days they were parked on east west streets out of the way.

5 pm today. BPD was enforcing Charles St. Not MTA. Same situation though. Police van parked in bus lane. Still seemed helpful. Cars only parked in last block leading up to Mt Royal.
@NotASpotBmore How about this for Charles Street during PM Peak? Great Job by MTA Police enforcing the bus lane.
A trip up the Charles Street dedicated bus lane, showing the few individuals who felt their illegal parking was more important than the commute of the 57 people on my bus. #baltixmore @NotASpotBmore
i don't know if they have been ticketing people, but i've definitely recently seen groups of MTA cops telling people to move out of the bus lane in front of 1209, felt like i saw a unicorn every time

5:34 PM - 26 Jun 2019
To the data
Dive in

- Bmoretransit2.cylus.org
  - Username: user
  - Password: <blank>
- https://www.patreon.com/transitrak
- https://github.com/cylussec/bustracking
- https://www.cylus.org

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