Open source TDM Information Tools in Arlington and Beyond
Open Source Multi-modal Routing: OpenTripPlanner
Open Source TDM Tools in Arlington: CarFreeAtoZ
Schedule Information

From:
- Walk south on Link

Rosslyn
- Take Orange / Silver
  - 7:01 AM to 8:57 AM every 2 min

Ballston Metro
- Walk 2 min

Ballston Station & Bus
- Take 25B / 25A
  - 7:00 AM, 7:19 AM, 7:37 AM, 7:54 AM
  - 8:12 AM, 8:30 AM, 8:48 AM

To:
- Walk west on Columbia Pike

1830 Fort Myer Dr

Carlin Springs Rd & Columbia Pk
Trade-off Analysis

Help Me Choose
Select what matters most to find your best options

By **total cost** then **productive time**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Time</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walk</td>
<td>27 min</td>
<td>$2.25</td>
</tr>
<tr>
<td>Walk</td>
<td>23 min</td>
<td>$2.25</td>
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<tr>
<td>Bike</td>
<td>27 min</td>
<td>$2.15</td>
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<tr>
<td>Bike</td>
<td>30 min</td>
<td>Free</td>
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<tr>
<td>Walk</td>
<td>72 min</td>
<td>Free</td>
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<tr>
<td>Bike</td>
<td>32 min</td>
<td>$5.30</td>
</tr>
<tr>
<td>Drive</td>
<td>20 min</td>
<td>$14.18</td>
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</table>

You selected bikeshare to transit!

Instead of driving solo, you will:

- Save **$2,827** on traveling!
- Lose **7 lbs** from exercise!
- Reduce CO2 emissions by **99%**!
- Gain **105 hour(s)** of productive time!

*estimated yearly

Sign up for CarFreeAtoZ

We plan to let you save trips, receive tailored transit alerts, and more!

Email address
Bikeshare Support

Example: Bikeshare as a Faster Alternative to Walking / Transit Trips
Bikeshare Support

Example: Bikeshare Serving as the “Last Mile” Connection for a Transit Trip
Ridematching Signup

You selected carpool! Instead of driving solo, you will:
- Save $1,537 on traveling!
- Reduce CO2 emissions by 50%!

Interested in carpooling with us? Join our network to be matched with commuters in your neighborhood!

Sign up for carpooling
Carpool with Commuter Connections
Try Slugging to Work!

Return to my options

Carpool Sign Up
Join our network and commute around the region together!
We need some information about you to enable us to get in touch and let you know when we’ve found potential matches for you.

First Name
Last Name
Email

What is your commute origin and destination?

4400 Connecticut Ave NW, Washington, DC
1501 Wilson Blvd, Arlington, Virginia

We are a new service and still growing, join today to be matched once rides become available!

Sign up
Saved changes to organization.

WeWork

Trevor Gerhardt — tgerhardt@conveyal.com

641 S St NW, Washington, District of Columbia 20001

Commuters

<table>
<thead>
<tr>
<th>Commuter</th>
<th>Address</th>
<th>Status</th>
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<tbody>
<tr>
<td>Trevor Gerhardt</td>
<td>Washington, District of Columbia 20002</td>
<td>sent</td>
</tr>
<tr>
<td>David</td>
<td></td>
<td>clicked</td>
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</table>
Example: Employer Relocation Accessibility Analysis

Example: Transit Access Shed for Current and Potential Marriott Employees
Follow The Project Online

CarFreeAtoZ Application:
http://www.carfreeatoz.com

Modeify Platform:
http://modeify.co/
Our notion of “Multi-modal” is evolving

• Dynamic dispatch and “shared-mobility” are increasing important part of the transit landscape (Uber/Lyft -> UberPools/LyftLines, & app-facilitated ride matching)

• These are “infrastructure-less” transport interventions and are defined solely by information technology

• The data backing these new system is not open, by design
Keeping transport open

• Data is being used to “de-commoditize” transport
• We need to support and encourage innovation but require transparency
• Transparency and data sharing enables us to integrate new transport infrastructure into a broader multi-modal perspective.
• Transparency supports consumer and public policy needs
We’re at a crossroads

• We’re rapidly re-thinking how transport system operate. Information technology is improving outcomes

• We’re also at a moment where we could end up with a much more fragmented system than we have today, and one where the public sector has less involvement in setting overall direction/goals
Thanks!

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