SAFE ROUTES TO STRATFORD OPEN HOUSE

Welcome to the Safe Routes to Stratford Open House.

This Open House is to discuss the options for safe routes to the future new Middle School at the Stratford site, planned to open as a neighborhood middle school in fall 2019.

There are four stations with accompanying boards set up around the room. These stations are:

- PEDESTRIAN NETWORK
- BICYCLE NETWORK
- FAMILY VEHICLES
- BUSES

County Staff, APS Staff and members of the APS design consultant team are available to answer questions. At each station there is a Comments Board where community members can leave notes on post-its.

Background project information, project updates, including the TIA, and presentations from the Building Level Planning Committee (BLPC) and Public Facilities Review Committee (PFRC) processes can be found here:

http://www.apsva.us/Page/29586.
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PEDESTRIAN NETWORK
PEDESTRIAN NETWORK

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SITE PLAN: PROPOSED BIKE NETWORK AND BIKE RACK LOCATIONS

LEGEND
- Bicycle Access to Site
- Existing bike rack location
- Proposed bike rack location
- Building Entry

New signal for safe crossing of Old Dominion

WAKEFIELD “HAWK” SIGNAL
INVERTED “U” BIKE RACKS
**DRIVEWAY SCHEME (SITE PLAN)**

**NO DRIVEWAY SCHEME (FIRE ACCESS ONLY/ALTERNATE SITE PLAN)**

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**LEGEND**
- Purple cars indicate number of cars anticipated during the average drop-off condition
- Gray cars indicate number of cars anticipated during the peak drop-off time

**FAMILY VEHICLES**

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DRIVEWAY SCHEME (SITE PLAN): QUEUING AT SURROUNDING INTERSECTIONS

NO DRIVEWAY SCHEME (FIRE ACCESS ONLY/ALTERNATE SITE PLAN): QUEUING AT SURROUNDING INTERSECTIONS

THIS BOARD SHOWS QUEUING (I.E. BACK-UPS) ESTIMATES AT FOUR INTERSECTIONS NEARBY THE SITE. BOTH THE AVERAGE AND PEAK CONDITIONS ARE ILLUSTRATED.

Purple cars indicate number of cars anticipated during the average drop-off condition
Gray cars indicate number of cars anticipated during the peak drop-off time

FAMILY VEHICLES
Existing and Future Vehicular Traffic During Arrival

NEW MIDDLE SCHOOL PEAK HOUR

7:50 AM NEW MS ARRIVAL BELL

H-B WOODLAWN/STRATFORD PEAK HOUR

8:20 AM H-B ZERO PERIOD

9:24 AM H-B FIRST PERIOD

Existing and Future Vehicular Traffic by the Numbers

<table>
<thead>
<tr>
<th></th>
<th>H-B Woodlawn/Stratford</th>
<th>New Middle School (1,000 Seats)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM Peak Hour (8:20 – 9:20 AM)</td>
<td>PM Peak Hour (3:15 – 4:15 PM)</td>
</tr>
<tr>
<td>Parent Drop Offs/Pick Ups</td>
<td>123</td>
<td>95</td>
</tr>
<tr>
<td>Staff Arrivals/Departures</td>
<td>80</td>
<td>38</td>
</tr>
<tr>
<td>Bus Drop Offs/Pick Ups</td>
<td>19</td>
<td>19</td>
</tr>
</tbody>
</table>

Assumed Drive Rate vs. Drive Rate at Other APS Neighborhood Middle Schools

<table>
<thead>
<tr>
<th>Drive Rate Assumption</th>
<th>Avg. Neighborhood MS</th>
<th>35%</th>
<th>22%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Williamsburg</td>
<td>2014 Student Tally</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kenmore</td>
<td>2013 Student Tally</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swanson</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jefferson</td>
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<td></td>
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<tr>
<td>Gunston</td>
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</tr>
<tr>
<td></td>
<td>2014 Student Tally</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2013 Student Tally</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Assumed drive rate represents 75th percentile of this APS middle school survey data.

FAMILY VEHICLES: TRAFFIC
TIA Results: Arrival Peak Hour

<table>
<thead>
<tr>
<th>Scenario Codes</th>
<th>Level of Service Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing</td>
<td>No Build</td>
</tr>
<tr>
<td>E</td>
<td>LOS A or B</td>
</tr>
<tr>
<td>SP</td>
<td>LOS C or D</td>
</tr>
<tr>
<td>ASP</td>
<td>LOS E or F</td>
</tr>
<tr>
<td>Site Plan</td>
<td>Alternate Site Plan</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

Key Takeaways

**Arrival Peak Hour**

- *Both Site Plan and Alternate Site Plan*
  - 5-Points—Need signal timing changes. Need to extend southbound left-turn lane on Military on approach to 5-Points.
  - Old Dominion & Lorcom—Need signal timing changes. Do not need second northbound thru lane.

- *Site Plan*
  - Drop-off/Pick-Up driveway at Old Dominion—2 exit lanes needed.

- *Alternate Site Plan*
  - Drop-off/Pick-up driveway at Vacation—2 exit lanes needed.

**Dismissal Peak Hour**

- Minimal impacts to vehicle operations.

**Old Dominion Signal Warrants**

- *Site Plan* - Full signal at new driveway exit meets warrants.
- *Alternate Site Plan* - Pedestrian Hybrid Beacon (HAWK) meets warrants.

**Site Plan vs. Alternate Site Plan**

- TDG has no significant reservations about either the Site Plan or Alternate Site Plan from a transportation perspective.

*Note: Site Plan = Driveway; Alternate Site Plan = No Driveway*

**Arrival Trip Distribution**

- **Existing**
  - 5% Inbound
  - 15% Outbound
  - 35% Inbound
  - 10% Outbound

- **No Build**
  - 5% Inbound
  - 15% Outbound
  - 35% Inbound
  - 10% Outbound

- **Site Plan**
  - 15% Inbound
  - 15% Outbound

- **Alternate Site Plan**
  - 15% Inbound
  - 15% Outbound

**Traffic Impact Analysis**

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Arlington County, Virginia
Stratford School
Remote Drop-off

REMOTE DROP-OFF

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Image credit: Arlington County
Arlington County, Virginia
Safe Routes to Stratford
Mass Transit, Bike Routes, Bike and Car Sharing

Legend

MetroRail
- Metro Station
- Blue Line
- Orange Line
- Yellow Line

ART Bus Routes
- ART 53
- ART 55
- ART 62
- ART 65

Bus Stops
- ART only
- Metro only
- 🚗 with shelter
- 🚗 + ART with shelter
- 🚗 + Metro with shelter

Bike Routes
- On Street Route
- Bike Lane, Sharrow
- Off Street Trail

Capital Bikeshare
- Bike Share Stop
- Zipcar

Proposed Streets

Safe Routes to Stratford
Mass Transit, Bike Routes, Bike and Car Sharing

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