Arlington Public Schools
Wilson School Site Evaluation
Access to the School Site

Building Level Planning Committee (BLPC)

June 10, 2015
Key questions

• Where will **buses** unload and load students?
• Where will **parents** drop-off and pick-up students?
• Where will the **parking garage entrance** be located?
• How will **all users** access their school program by foot?
Curb Management

- **Given:** Both bus and parent drop-off and pick-up will occur on the street
- **Given:** On-street parking will remain on 18\textsuperscript{th} Street and Quinn Street when not used for school-related unloading and loading
- **Necessity:** Enforcing parking to ensure parents and buses can use the street. APS and Arlington County staff are coordinating on this issue.
Street network

- New Street
  - On-line date uncertain
  - Adjacent redevelopment needs (Penzance) will be considered
  - Offers additional network and circulation for school-related travel
WHERE WILL BUSES UNLOAD AND LOAD STUDENTS?
Our recommendation is that buses will unload and load students on 18th Street.

The next few slides explain why...

ASSUMPTION: Schools will have staggered start times such that buses for each school will not be arriving or departing the campus at the same time.
Buses – Wilson Boulevard is not an option

Per County direction is not to stop traffic on Wilson Boulevard for school buses unloading and loading.
Buses – 18th Street and Quinn Street Curb Length

Quinn Street – 175 feet available
18th Street (School Frontage Only) – 285 feet
18th Street (School Frontage + Park) – 375 feet*

* Mid-block pedestrian crossing maintained
## Buses – Space Requirements

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Width</th>
<th>Number of Buses</th>
<th>Queuing Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vehicle</td>
<td>Dwell/</td>
<td>TOTAL</td>
<td>Current</td>
</tr>
<tr>
<td>H-B Woodlawn</td>
<td>40 feet</td>
<td>10 feet</td>
<td>50 feet</td>
<td>8 feet</td>
</tr>
<tr>
<td>(Regular Buses)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stratford Buses</td>
<td>25 feet or 30 feet</td>
<td>Ramp on side: 10 feet</td>
<td>Ramp on side: 35 feet</td>
<td>8 feet</td>
</tr>
<tr>
<td>(Special trans. Buses)</td>
<td></td>
<td>Ramp at rear: 15 feet</td>
<td>Ramp at rear: 40 feet or 40 feet</td>
<td></td>
</tr>
</tbody>
</table>
Buses – How many can fit?

<table>
<thead>
<tr>
<th></th>
<th>Curb Length Available (ft)</th>
<th># of buses that can be stored</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>H-B Woodlawn Buses (13 total)</td>
</tr>
<tr>
<td>Quinn Street</td>
<td>175</td>
<td>3</td>
</tr>
<tr>
<td>18th Street (School Frontage Only)</td>
<td>285</td>
<td>5</td>
</tr>
<tr>
<td>18th Street (School + Park )</td>
<td>375</td>
<td>7</td>
</tr>
</tbody>
</table>

Conclusion:
• Buses for either program will not fit on one side of Quinn Street at one time
• Buses for H-B Woodlawn will not fit on one side of 18th Street at one time

Additional considerations:
• At arrival, there is an ebb and flow of H-B Woodlawn buses (i.e. not all buses are on the street at the same time)
• At dismissal, all buses are typically on the street at the same time
Buses – 18th Street is preferred

- Virginia law requires motorists to stop when buses are unloading or loading, unless an authorized person is present to direct motorists
- 18th Street is better candidate than Quinn Street for buses because...
  - Quinn Street provides access to Lee Highway
  - Scott Street provides access to I-66
  - 18th Street is a local street with lower vehicle volumes
Where will parents drop-off and pick-up students?

Where will the parking garage entrance be located?

How will people access the school by foot?
Key takeaway – Activity to/from H-B Woodlawn is more spread out than other middle schools and high schools that typically have a spike in activity 15-20 minutes before bell times.
Parent Drop-off

- With buses on 18th Street, parent drop-off can be on Quinn Street
- Approximately 7-9 vehicles can fit along the east side of Quinn Street
School entrances, parking garage driveway, and service/loading driveway locations affect all people going to the school.

Aim is for direct, comfortable and attractive paths from drop-off locations and transit stops.
What if the school is oriented towards 18th Street?
H-B Program – Arrival (First Period)

- Not all buses drop-off at the same time, requiring less curb space for bus queuing
- Service/loading may not be available during arrival
- Parking entrance reduces space available for parent drop-off
• All buses arrive for dismissal at same time, requiring more curb space
• Possible locations for additional space includes:
  – Quinn Street (West side, north of 18th)
  – Double stacking on 18th Street
• Parking entrance reduces space available for parent drop-off
Stratford Program – Arrival and Dismissal

- All buses arrive at the same time.
- Stratford entrance is farther from buses than H-B Woodlawn.
- Some parent drop-off for H-B Woodlawn may overlap with Stratford arrival.
- Service/loading may not be available during Stratford arrival and dismissal.
What if the school is oriented towards Wilson Blvd?

- Longer distances to school entrances
- Parking entrance, service/loading may reduce queuing space for buses
- Vehicle entrances interrupts pedestrian path of travel on sidewalk
- Entrances may not be available during bus unloading and loading
How will parents approach and depart drop-off?

All parents must approach drop-off from the east on Wilson Blvd.
Both sides of Quinn Street?

- Drop-off on both sides of Quinn Street:
  - Provides additional space for queuing
  - Provides more ways to approach and leave

- Would need improved crossing across Quinn Street to get to school entrances
QUESTIONS?