PROJECT UPDATE AND SCHEDULE
## Project Schedule

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use Permit</td>
<td></td>
<td>2/2017</td>
<td></td>
<td></td>
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<tr>
<td>Cert. of Approp.</td>
<td></td>
<td>2/2017</td>
<td></td>
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<tr>
<td>Design Dev.</td>
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<tr>
<td>Const. Docs.</td>
<td></td>
<td></td>
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<tr>
<td>Building Permit</td>
<td></td>
<td></td>
<td></td>
<td>Fall 2017</td>
</tr>
<tr>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>School Open</td>
<td></td>
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</tbody>
</table>

**Timeline Phases:**
- Early Phase
- Summer Blitz
- Steady Work
- Summer Blitz
PROJECT MILESTONES

- Concept Design approved November 2015
- Schematic Design approved June 2016
- Use Permit submitted: September 8, 2016
  - EA submitted: September 8, 2016
- Presenting to Commissions: (Fall/Winter 2016/2017)
- Resubmission of Use Permit / COA: December 21, 2016
- County Board (projected): March 18, 2017
- Building Permit (projected): Fall 2017
STAKEHOLDER INVOLVEMENT

- 23 BLPC meetings
- 13 PFRC meetings
- 7 HALRB/DRC meetings/work sessions
- 2 Gallery Walks / Open Houses
- Additional meetings with:
  - Community leaders
  - Department of Parks and Recreation
  - VDOT
  - Arlington County
  - School Board Members
APS Stratford Project
Transportation Update

Transportation Commission
March 2, 2017
Outline

• Parking
• Driveway
• Ped/Bike Access
PARKING
### Parking—Spaces Needed Based on Arlington County Zoning

**Q. How many spaces?**

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees</td>
<td>134</td>
<td>1 staff parking space per 7.5 students</td>
</tr>
<tr>
<td>Visitors</td>
<td>25</td>
<td>1 visitor parking space per 40 students</td>
</tr>
<tr>
<td>Park Users</td>
<td>10</td>
<td>Agreement with County Staff to use DPR feedback</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>169</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Q. Where are the spaces located?**

<table>
<thead>
<tr>
<th>Location</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-Site</td>
<td>0</td>
</tr>
<tr>
<td>On-Site</td>
<td>169</td>
</tr>
</tbody>
</table>
### Parking—Spaces Needed based on Existing Drive Rates and TDM

**Q. How many spaces?**

<table>
<thead>
<tr>
<th>Employees</th>
<th>134</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total estimated employees = 153 (124 F/T + 29 P/T based on existing MS staffing levels</td>
</tr>
<tr>
<td></td>
<td>Average MS staff drive rate from 2013 survey = 92% (141)</td>
</tr>
<tr>
<td></td>
<td>Additional 5% reduction for TDM = 134</td>
</tr>
<tr>
<td>Visitors</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Based on maximum number of visitors recorded at Swanson MS at any hour during 2015 APS Neighborhood MS Visitor Survey. Swanson provided most reliable data set of the survey</td>
</tr>
<tr>
<td>Park Users</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Based on feedback from DPR</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>158</strong></td>
</tr>
</tbody>
</table>

**Q. Where are the spaces located?**

| Off-Site | 14 |
| On-Site  | 144 |
Parking Locations

ADJACENT TO STRATFORD PARK
38 SPACES

NORTH ADDITION ENTRANCE:
6 SPACES

NORTH LOT:
38 SPACES

VACATION LANE LOT:
62 SPACES

TOTAL ON-SITE PARKING PROVIDED:
144 SPACES

SPACES AVAILABLE FROM OFF-SITE STREET NETWORK:
14 SPACES MINIMUM
DRIVEWAY
• Site plan (driveway option) accepted by APS; County Board indicated support
• TIS report accepted by VDOT and County Staff
• Initial driveway and signal design submitted to County for use permit
• Several site plan options were considered during an extensive public review process.
• Community concerns:
  o Traffic on neighborhood streets (Vacation Lane and 23rd)
  o Traffic at key intersections (Five Points, Old Dominion/Lorcom)
  o Pedestrian and bicycle safety
• TDG concluded that both site plan and alternate site plan were viable from a transportation perspective.
• County Board indicated support for the driveway at a May 2016 work session.
Driveway—Future Steps

• Will continue to refine driveway and signal design based on feedback from County and VDOT
• Final signal design must be approved by County and VDOT
• Two new traffic poles
  – North side of Old Dominion Drive, west of new driveway
    • Single mast arm
  – South side of Old Dominion Drive, across from new driveway
    • Dual mast arms
    • May require some adjustment of retaining wall design
• Four new pedestrian push buttons
  – Recommend high-visibility crosswalks
Ped/Bike Access—Principles

- Routes are safe, comfortable, convenient, and accessible.
- Sidewalks are wide enough to accommodate expected pedestrian flows.
- Pathways and crossings are well-lit.
- Design indicates pedestrians priority at driveways and crossings.
- Secure, convenient bicycle parking.
Ped/Bike Access—TDG Recommendations

- Signalized crossing on Old Dominion
- Crossing improvements at Vacation Lane/Lorcom and Vacation Lane/Military
- New sidewalk and traffic calming on Vacation Lane
- Parking restrictions at arrival/dismissal times to enable two-way travel on Vacation Lane
- On-campus pathways that accommodate expected pedestrian volumes and desire lines
- Class I (15 spaces), Class II (10 spaces), and Class III (90 spaces) bicycle parking
- Shower and locker facilities for staff
Questions?
SITE PLAN
EXISTING SITE PEDESTRIAN NETWORK

PEDESTRIAN CIRCULATION
SITE PEDESTRIAN NETWORK

PEDESTRIAN CIRCULATION

LEGEND
- LESS THAN 5% (ADA ACCESSIBLE)
- 5.01% - 8.33% W/ HANDRAILS (ADA ACCESSIBLE)
- 5.01% - 8.33% W/O HANDRAILS
- GREATER THAN 8.33%
ARLINGTON BIKE NETWORK

Existing Facilities
- Off-Street Trail
- Bike Lane
- Bike Lane: One Side
- Sharrow

Recommended Crossing Guard Locations
Suggested Bike Route
Capital Bike Share Stations

Stratford Middle School Site

ARLINGTON BIKE NETWORK

Existing Facilities
- Off-Street Trail
- Bike Lane
- Bike Lane: One Side
- Sharrow

Recommended Crossing Guard Locations
Suggested Bike Route
Capital Bike Share Stations

Stratford Middle School Site
1,000 STUDENTS
10 : RATIO :: BIKE PARKING :: NUMBER OF STUDENTS
100 BIKE PARKING SPACE OR 50 BIKE RACKS
*1 BIKE RACK = 2 BIKE PARKING SPACES

SHOWERS AND
LOCKERS

BIKE
ROOM

7
RACKS

4
RACKS

8
RACKS

5
RACKS

26
RACKS

50
RACKS
TOTAL

OLD DOMINION DRIVE

PROPOSED DIVIDING
BIKE ROOM PLAN

FLOOR MOUNTED UPRIGHT RACK

INVERTED U-RACK

UPRIGHT RACK
**Vacation Lane**

**Existing Plan and Section**

- Vacation Lane:
  - 180 ft long
  - 9 spaces

- 23rd St N.
  - 43'-0"

- Lorcom Lane:
  - 43'-0"

- ROW Varies (38' - 42')

- 30' Curb-to-curb Roadway

- Sidewalk
- On-Street Parking
- Travel Lane
- Travel Lane
- On-Street Parking

- +/- 5'
- 7'
- 8'
- 8'
- 7'
**VACATION LANE**

**PROPOSED PLAN AND SECTION**

- **R.O.W. Varies (38’ - 42’)**
- **27’ Curb-to-curb Roadway**

- 90 FT 4-5 Spaces
- 10’ Existing Sidewalk
- 10’ 10’
- 7’ Parking Lane
- 6’ New Sidewalk
- +/- 5’ Existing Travel Lane
- 10’ Travel Lane
- 7’ Parking Lane
- 6’ New Sidewalk
VACATION LANE AND MILITARY ROAD
INTERSECTION PLAN

- Vacation Lane
- Military Road
- Dimensions:
  - 55'-0"
  - 51'-0"
  - 38'-0"
  - 41'-0"
  - 30'-0"
  - 36'-0"
  - 29'-0"
  - 28'-0"

N

Arlington Public Schools
Stratford Middle School - 17
FAMILY VEHICLE QUEUING

DROP-OFF ZONE