

David M. Brown Planetarium

1426 North Oulney Street ARLINGTON PUBLIC SCHOOLS 1426 N QUINCY ST

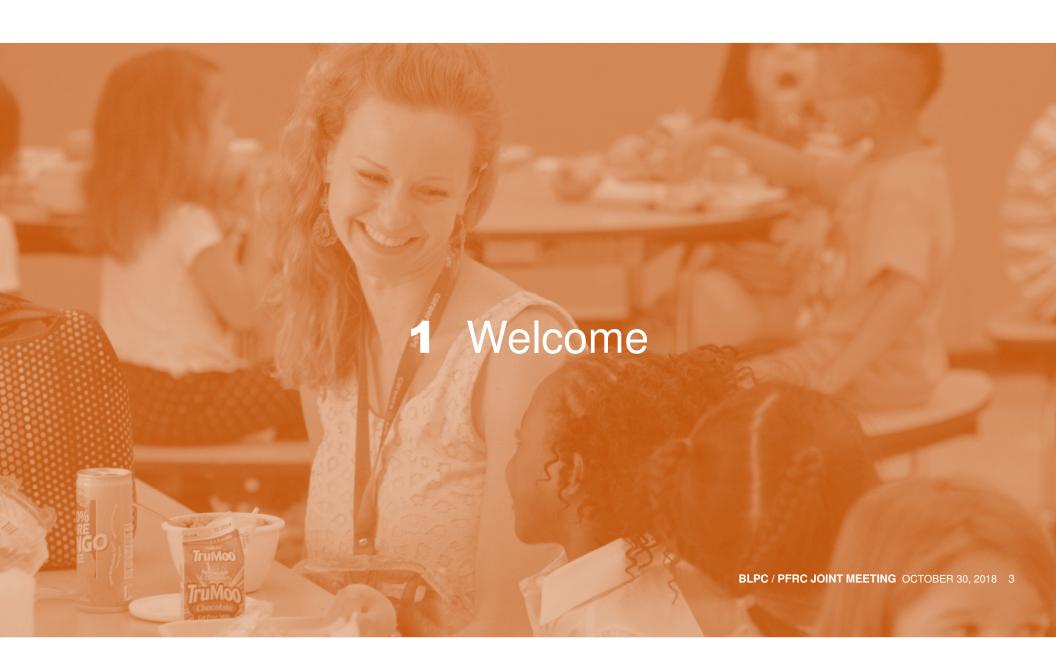
BLPC / PFRC JOINT MEETING OCTOBER 30, 2018

BLPC / PFRC JOINT MEETING

BUILDING LEVEL PLANNING COMMITTEE PUBLIC FACILITIES REVIEW COMMITTEE

OCTOBER 30, 2018

- Welcome
- Committee Roles of PFRC / BLPC
- **Project Parameters**
- Revised Meeting Schedule
 Arlington County Civic Design Principles
 Architecture Existing Conditions
- Transportation Existing Conditions
- Committee Comment 8)
- **Public Comment**
- 10) Next Steps



2 Committee Roles of BLPC/PFRC BLPC / PFRC JOINT MEETING OCTOBER 30, 2018 4

Building Level Planning Committee (BLPC)

- Based on Policy Implementation Procedure F-5.7 PIP-2
- School Board approved BLPC Charge found at: https://www.apsva.us/wp- content/uploads/2018/09/C-4-Education-Center-BLPC-Charge-083018-SB-approved.pdf
- 3. Primary role is to serve as the principal communication liaison with community stakeholders
- Solicit comments from constituency groups and share with the BLPC for consideration
- Assist APS Staff during schematic design phase by reviewing:
 - Site amenities
 - Adjacencies between interior spaces and site amenities
 - Community use of the building and site
 - Impact of project on surrounding community

Public Facilities Review Committee - PFRC

- 1. PFRC Charge (June 18, 2014) found at: https://arlingtonva.s3.amazonaws.com/wp-content/uploads/sites/5/2014/06/PFRC Charge June2014.pdf
- 2. Mission: to ensure that the highest quality of land use planning, design, transportation planning, and other important community aspects are incorporated into civic projects as assigned to the Committee by the Arlington County Board.
- 3. Key responsibilities:
 - a. Provide a forum for advisory commission and committee input
 - b. Ensure highest quality of land use planning and design
 - c. Promote compliance with County Comprehensive Plan and other County planning policies
 - d. Provide means for broad-based public participation
 - e. Provide advice to County Board and County Manager



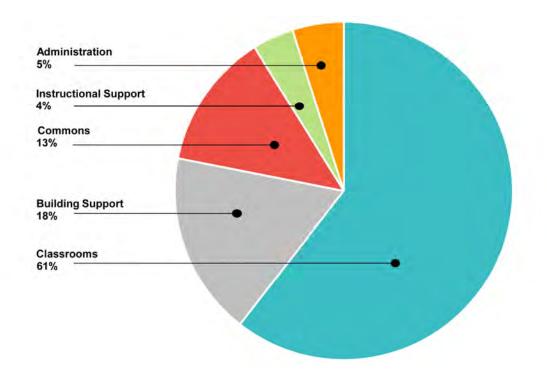
Project Parameters

- Project included in the FY2019-28 Capital Improvement Plan (CIP)
- Renovate the Education Center to both increase the capacity of Washington-Lee initially, and later to adapt to possible future instructional and grade level changes
- Support APS Strategic Plan Goals, specifically for Healthy, Safe, and Supported Students
- Address capacity by providing 500-600 high school seats
- Open by start of school 2021
- Spend a maximum project cost of \$37 million, using every effort to spend less

PROJECT PARAMETERS

Education Specification + Space Program

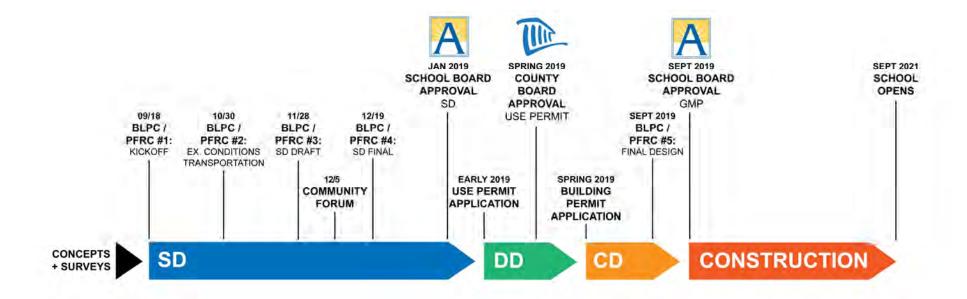
Education Specification + Space Program by APS Staff



4 Revised Meeting Schedule BLPC / PFRC JOINT MEETING OCTOBER 30, 2018 10

Project Timeline

Revised meeting dates







Public Facilities Review Committee: Principles of Civic Design

- Intended to inform the design of civic facilities
- Ensure facilities meet community goals and are attractive, durable, & functional
- Supplement existing County planning documents & policies
- Each project reviewed individually- certain principles may be stressed over others

Civic Values

- Context
- **Bold Architecture**
- Sustainable Design
- Universal Design
- Adaptive Reuse
- **Open Space**
- Mixed Use

Siting & **Orientation**

- **Building Entrances**
- Emphasize Pedestrians. Bicycles, Mass **Transit**
- Circulation
- **Outdoor Spaces**

Building Form

- Massing
- Scale
- Hierarchy

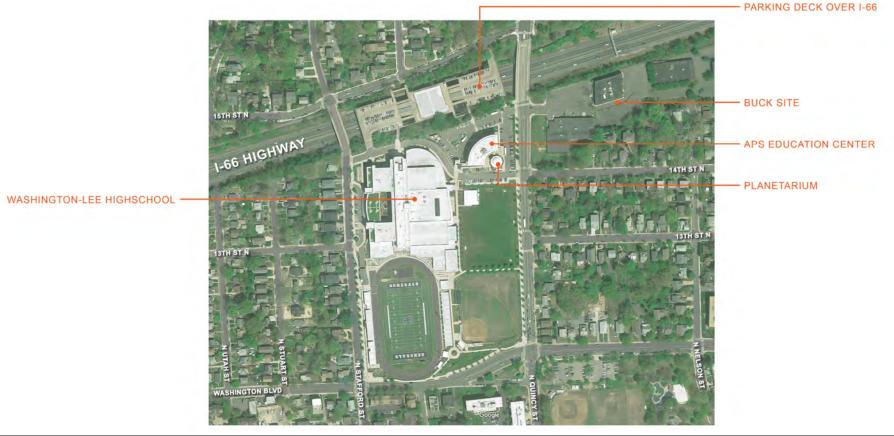
Building **Details & Materials**

- Pedestrian Scale
- Public art & **Architecture**
- **Durable Materials**
- Consistency
- Sense of Place



















Architectural Image







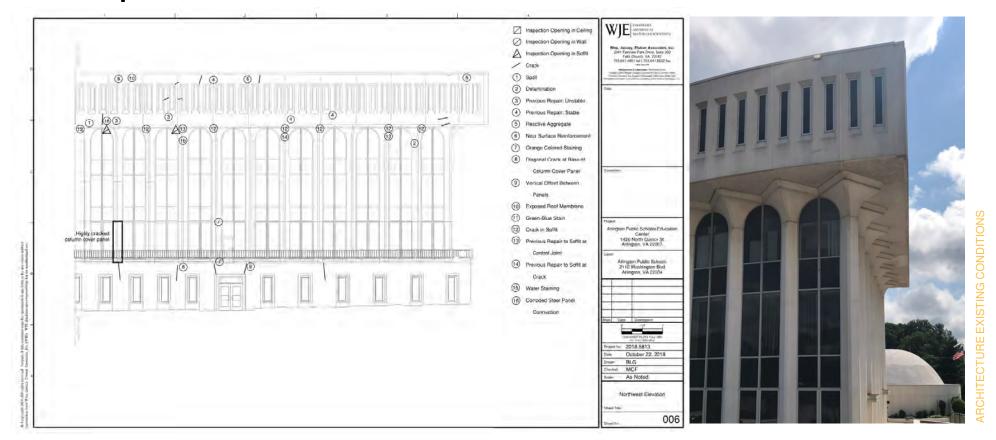
Technology History



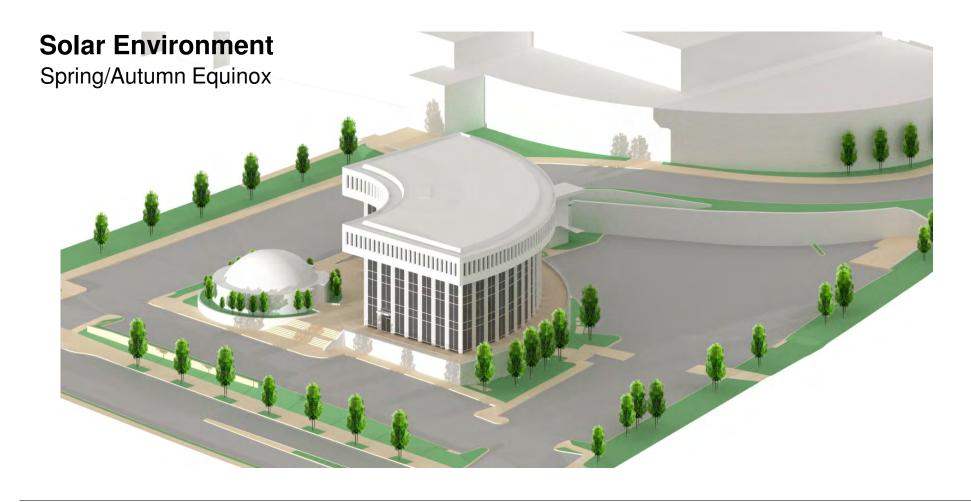




Envelope Materials





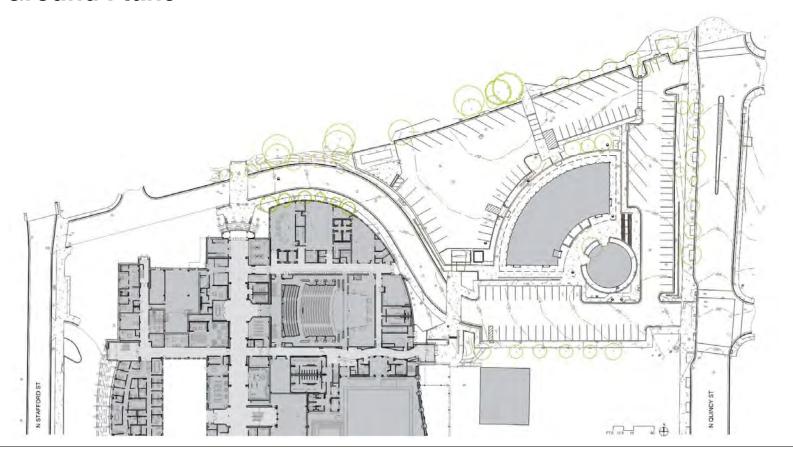






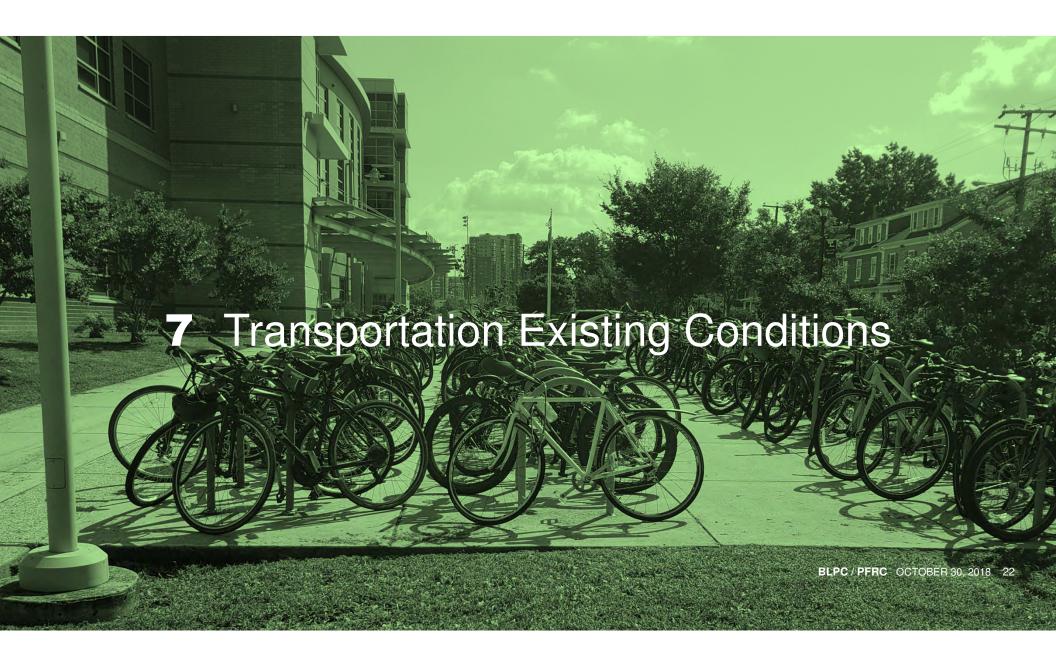
ARCHITECTURE EXISTING CONDITIONS

Site Ground Plane









Gorove/Slade Associates

- Local transportation engineering and planning firm, headquartered in Washington DC
- Significant experience working in Arlington County
- Significant experience working in education (Pre-K to large Universities)



Dan VanPelt, P.E., PTOEPrincipal and Vice President







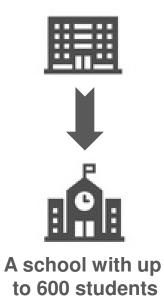
Rob Schiesel, P.E.Director of Planning



TRANSPORTATION

Context – What are the project's significant transportation aspects?

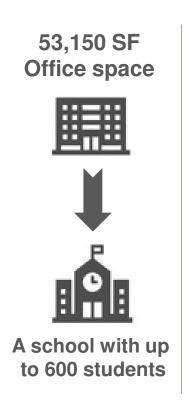
53,150 SF Office space



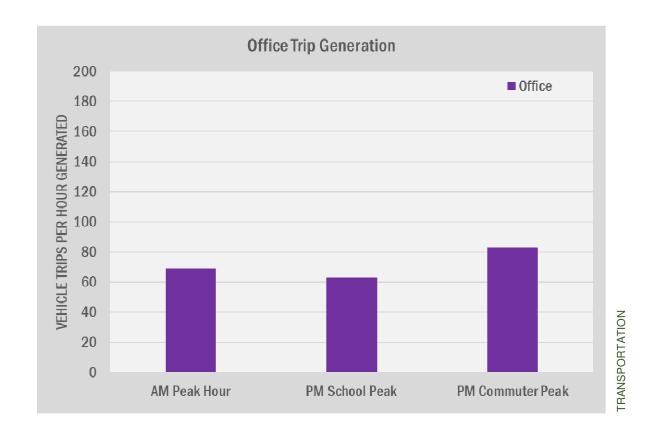
53,150 SF
Office space

A school with up to 600 students

Traffic?

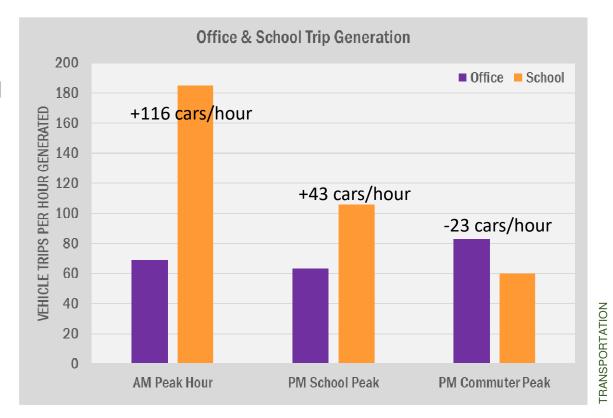


Traffic?



53,150 SF Office space A school with up to 600 students

Traffic? Probably not, but maybe in AM



53,150 SF Office space







A school with up to 600 students

Traffic?

Probably not, but maybe in AM

Parking?



TRANSPORTATION

53,150 SF Office space







A school with up to 600 students

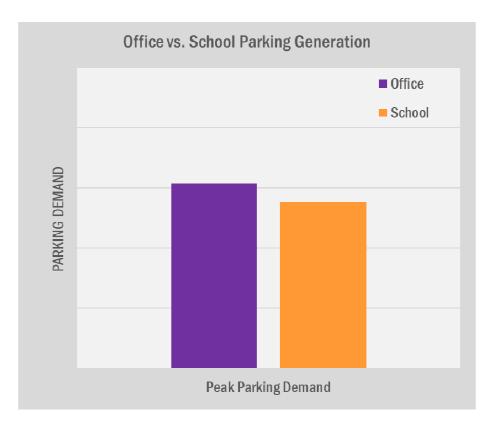
Traffic?

Probably not, but maybe in AM

Parking?

Should be about the same

(based on industry standards)



53,150 SF Office space







A school with up to 600 students

Traffic?

Probably not, but maybe in AM

Parking?

Should be about the same

Arrival/Dismissal?

Yes, schools have many more dropoffs/pick-ups and buses than office buildings



IRANSPORTATION

TRANSPORTATION

Quick Summary - What we've found so far

Traffic?

- Commuter traffic going by site creates some capacity issues
- Mainly for side street traffic entering N Quincy St

Parking?

- Parking garages reaches 90% capacity between bell times
- Unrestricted parking reaches 90% capacity between bell times
- Should be enough unused parking to meet demand

Arrival/Dismissal?

- Arrivals and dismissals are 20 to 25 minutes of 'controlled chaos', but seem to work
- May not be room for more buses to unload in the morning, already not enough room for buses to load in afternoon

Next Questions:

- How to use available transportation resources?
- What potential traffic changes are needed at school driveways?
- Are there any school policies or procedures that should change?
- What's the best way to accommodate more buses if they are needed?

W-L Arrival

Bus Drop-off

All accommodated on Generals Way, but queues extended to 15th Street

Student Drop-off

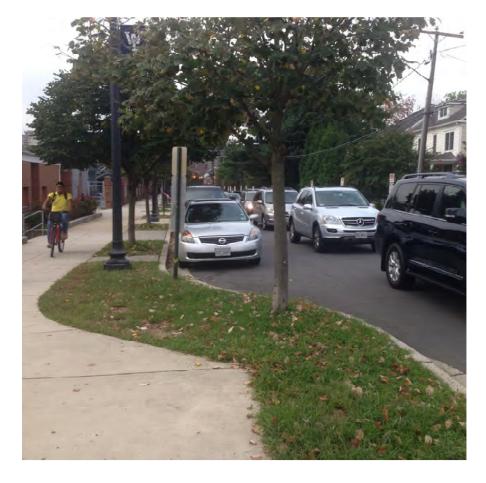
Long queues on main loop, lead to drop-offs outside of loop

Pedestrians

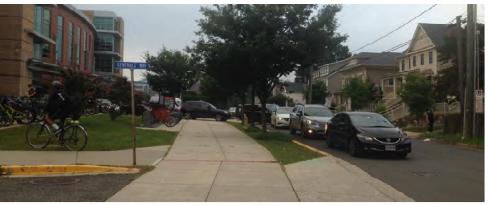
Crowds of pedestrians along 13th Street – meter traffic crossing 13th Street. Clustered arrivals from the south due to traffic signals



RANSPORTATION







TRANSPORTATION

W-L Dismissal

N Strafford Closure

No traffic crossing 13^{th} St N

Student Pick-up

Long queues during pickup, many cars parked on street in various places. Difficult to arrive from North due to closure.

Bus Pick-up

Takes place on Generals Way and N Strafford Street

Pedestrians

Large dispersal makes all movement difficult for 5-10 minutes









TRANSPORTATION

Arrival: Around 25 minutes from start to finish



7:50 – quiet



8:05 – a bit chaotic





8:17 – serene



Dismissal: Around 20 minutes from start to finish







3:02 – a bit chaotic





3:12 – serene



Parking

Parking Inventory

On-site Parking garage On-street

Occupancy Counts

September 20, 2018 Every 30 minutes 6 AM to 10 PM

975 spaces in study area



On-Site Lots

Surface Lots

Ed Center lot -Used to hold 128 cars

Pool/Visitor lot -36 total spaces (2 HC) -All 2-hour parking

Front Door lot -14 total spaces(2 HC)



Parking Garage

Level A – 72 spaces W-L Student Parking 7:30 AM to 3:00 PM M-F

Level B – 76 spaces School Staff Parking

Level D – 74 spaces **APS Center Staff**

Level E – 76 spaces Public use

Level F – 80 spaces **APS Center Staff**

Total: 378 spaces



W-L Student & Staff Parking

Level A – Signed for W-L Student Parking

Student sticker required, Seniors only \$50 fee per sticker per year Parents & students required to sign form with rules

Level B – Signed for School Staff Parking

Used by W-L Staff. Sticker required.

Level D – Signed for APS Center Staff

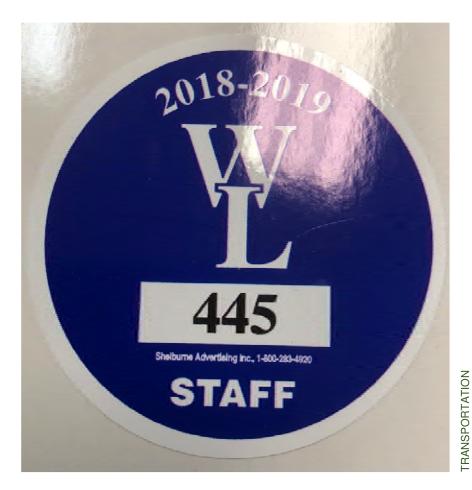
Used by W-L Staff. Sticker required.

Level E – Signed for Public use

No fee.

Level F – Signed for APS Center Staff

Used by W-L Staff. Sticker required.



On-Street Parking

Residential Permit

248 spaces

Time Restricted (includes meters)

70 spaces

Unrestricted

101 spaces -

No Parking

Public use

Total: 419 Spaces



6:00 AM

30.3% occupied

Most demand in residential streets and near pool

Percent Occupied

0-20% 20-40% 40-60% 60-80% 80-100%



7:00 AM

32.3% occupied

Slightly less demand on residential streets and near pool. First parkers arrived in garage.

Percent Occupied

0-20% 20-40% 40-60% 60-80% 80-100%



8:00 AM

62.1% occupied

Garage gets full fast in the morning. Significant parking in unrestricted spaces north of I-66.

Percent Occupied

0-20% 20-40% 40-60% 60-80% 80-100%



10:30 AM

63.5% occupied

Similar to 8 AM. Unrestricted street parking even harder to find now.

Percent Occupied

0-20% 20-40% 40-60% 60-80% 80-100%



2:30 PM

61.4% occupied

Closest measurement to dismissal. Similar to 10:30 AM.

Percent Occupied

0-20% 20-40% 40-60% 60-80% 80-100%

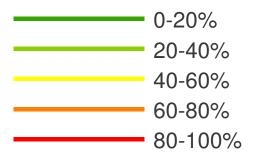


4:30 PM

36.5% occupied

Garage and unrestricted parking empties - indicating HS use and not general commuting use. Pool lot fills up also after school.

Percent Occupied



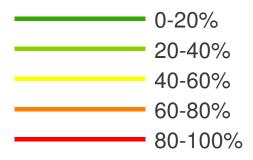


7:30 PM

48.1% occupied

Residential streets get more occupied as commuters get home. School visitor lots and some garage levels get full.

Percent Occupied





On-Street Parking

Residential Permit

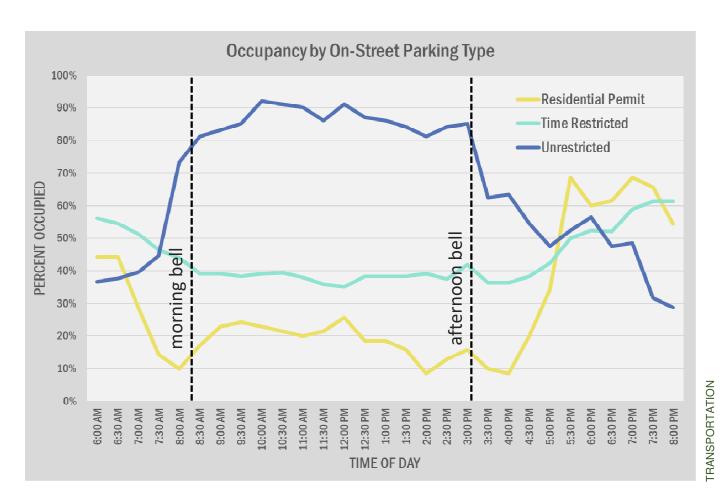
Highest at morning and evening. Never dips below 35% during the day.

Time Restricted

Very available when restrictions are in place.

Unrestricted

In high demand between morning and afternoon bell times.



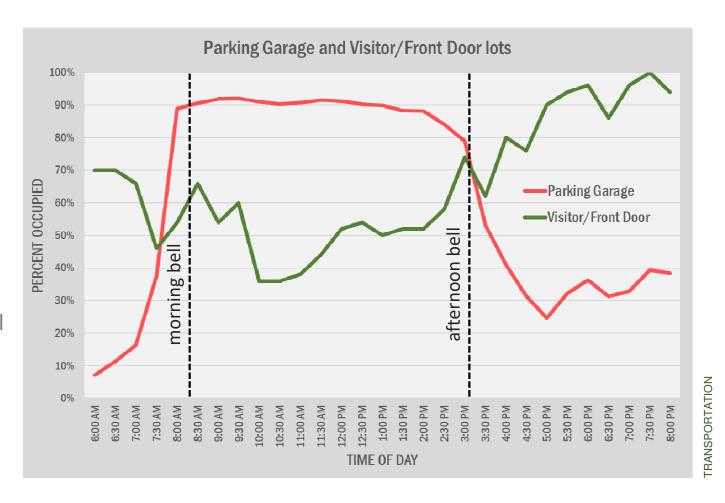
Garage/Surface

Parking Garage

In high demand between morning and afternoon bell times.

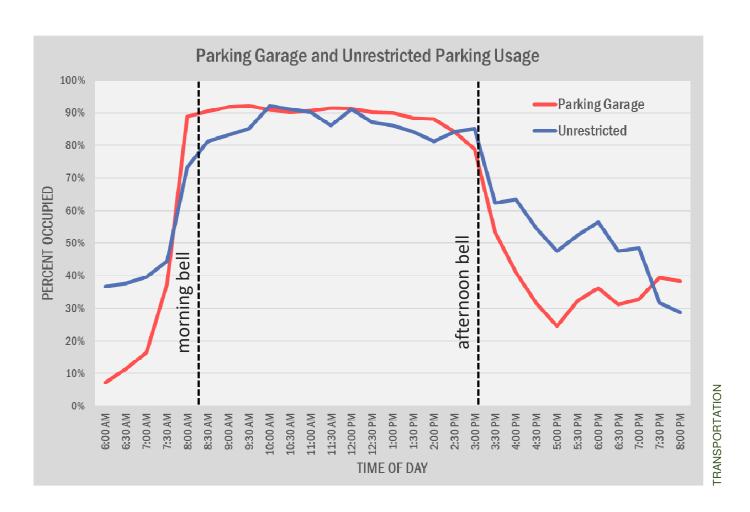
Other Parking

(not for regular school staff/student use) Seems to follow pool schedule/demand. Gets full in evenings.



Hmmm....

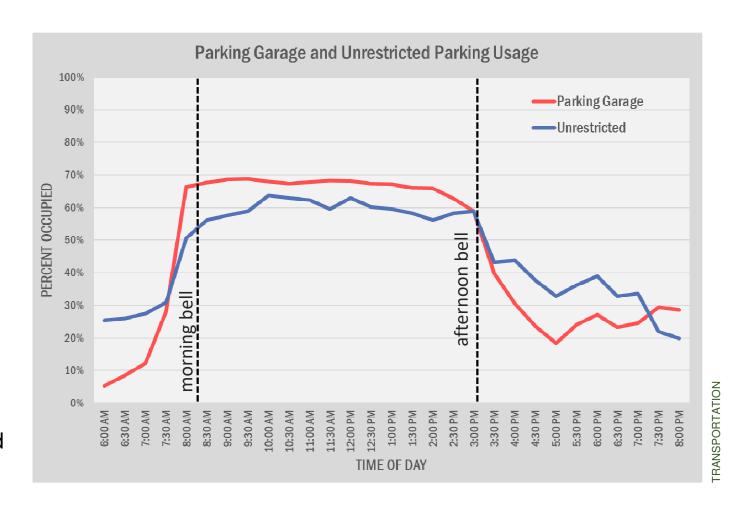
Very similar profiles for parking garage and the unrestricted on-street parking



What if...

...we added the Ed Center lot supply to the parking garage, and the empty time restricted onstreet parking on N Quincy St to the unrestricted supply?

Peak parking would be less than 70%, meaning that if managed correctly there should be enough room to accommodate additional parking demand



Summary

Concerns

- Queuing during arrival and dismissal
- Lack of space to accommodate more buses at existing locations
- Parking occupancy at 90% in parking garage and unrestricted parking between bell times
- Commuter traffic impacting side street traffic, including site driveways

Opportunities

- Existing Ed Center lot and surrounding space
- Lots of unused transportation resources during the school day
- Existing APS demand management program



Transportation Next Steps

Our to-do list:

- Use traffic model to look at what happens if we add more traffic demand
- Explore ways to use parking locations with low demand during the school day more efficiently
- Review policies changes to influence W-L student travel behavior
- Investigate changes/additions to pick-up/dropoff areas
- Test ideas and develop solutions

Next presentation:

- Discuss potential solutions and results of testing
- Present preliminary recommendations for arrival/dismissal, parking, and traffic operations







10 Next Steps + Adjourn David M. Brown Planetarium Alexandre 1426 North Quincy Street BLPC / PFRC JOINT MEETING OCTOBER 30, 2018 58

NEXT STEPS + AD IOLIBN

Adjourn

- As a reminder the APS Project Manager is: Steve Stricker
 (703) 228-7749
 steven.stricker@apsva.us
- 2. Public meeting dates and past presentations are posted on the APS project website: https://www.apsva.us/education-center-reuse/
- 3. To provide feedback and/or comments to APS use: engage@apsva.us

Transportation Back Up Slides





Existing Traffic Concerns

AM Commuter Peak

Traffic model results show side street traffic trying to enter N Quincy St, and long wait for turning left onto Washington Boulevard from Quincy and Stafford





Existing Traffic Concerns

AM Commuter Peak

Traffic model results show side street traffic getting delayed trying to enter N Quincy St, and long waits to turning left onto Washington Boulevard from Quincy and Stafford

PM Commuter Peak

Traffic model results show side street traffic getting delayed trying to enter N Quincy St





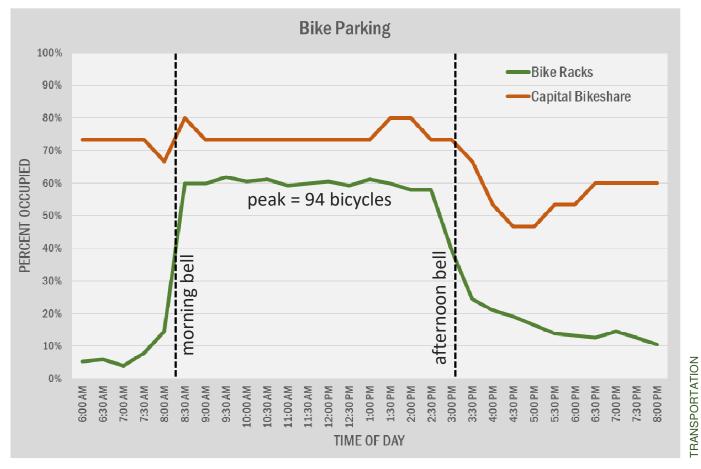


Bike Parking

76 racks in two locations (152 bicycles)



15 dock Capital Bikeshare station





Parking by Level

Level A

Student Parking

Level B

Used by W-L Staff

Level D

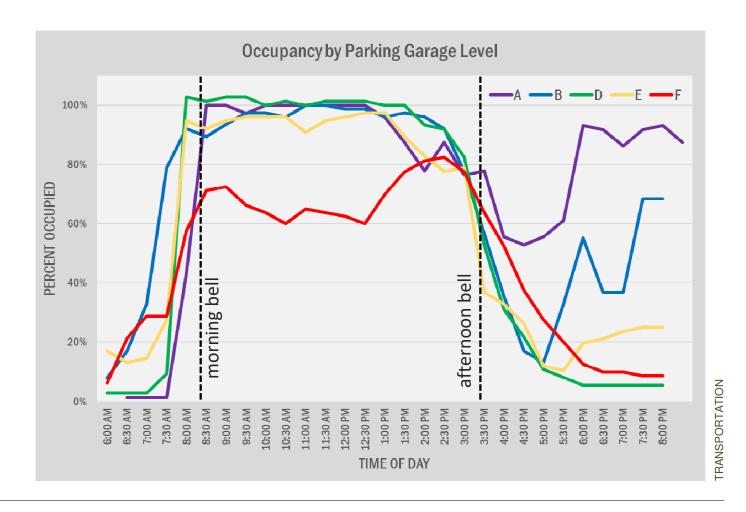
Used by W-L Staff

Level E

No fee

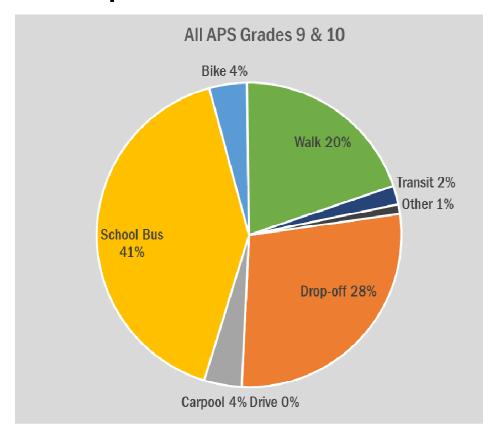
Level F

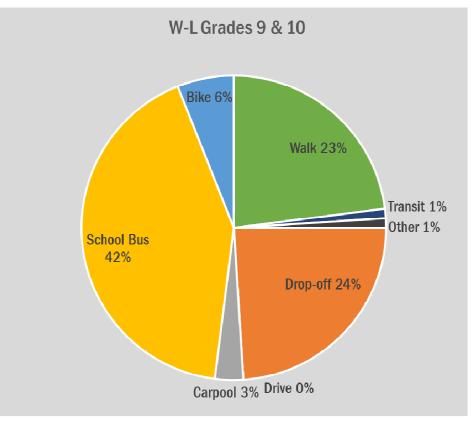
Used by W-L Staff





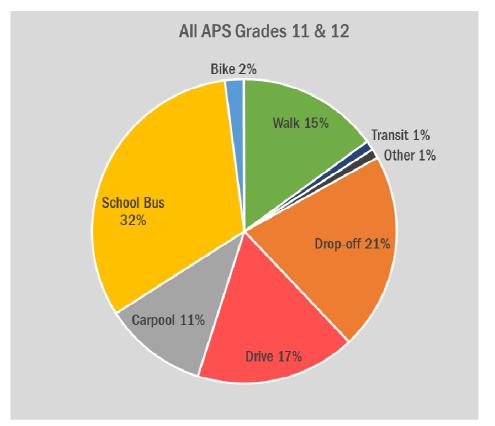
Mode Split – Grades 9 & 10

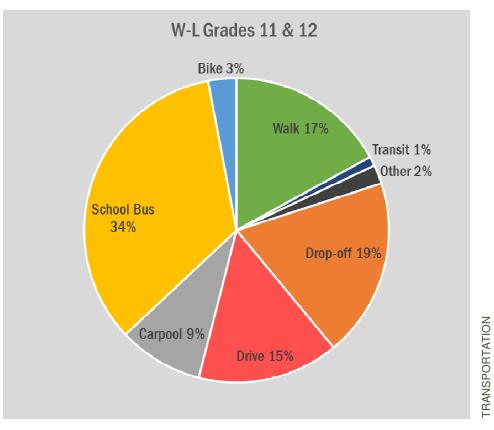






Mode Split – Grades 11 & 12







Mode Split – Staff

