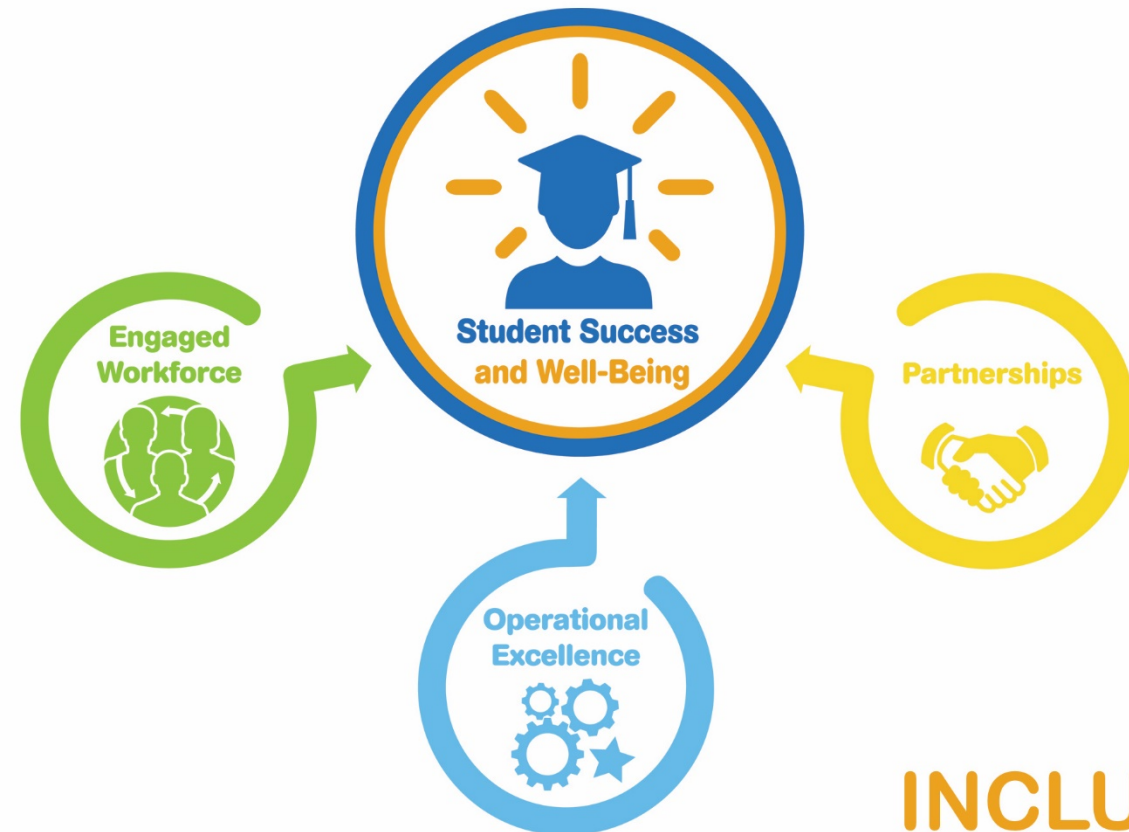


APS Strategic Plan 2018-2024



Preparation Materials for Joint BLPC/PFRC Meeting #1

January 14, 2022

INCLUSION * EXCELLENCE * INNOVATION

Arlington Career Center Introduction to Multimodal Transportation Analysis

1. Transportation Goals & Priorities
2. Transportation Timeline
3. Transportation Focus for the Concept Design Phase

Transportation Goals & Priorities

Goal #1: Safety of students

- Review walking routes to/from CC buildings
- Reduce conflicts of different school transportation needs (e.g., keep passenger cars away from the school buses)
- Careful design between County needs and school needs (e.g., make sure plans work with Walter Reed plans)



Goal #2: Right-sizing Career Center transportation infrastructure

- Help determine the correct amount of space dedicated to transportation on site to accommodate needs without overbuilding, allowing for more room for buildings and green space
- Determine which demands can be reasonably accommodated off-site

Related Principle of Civic Design:

“Optimize open space for public relaxation and recreation , and minimize building footprint and areas used for parking, on-site roads, and service drives.”



Goal #3: Minimizing Impacts

- Develop strategies to reduce people driving to/from the Career Center
- Spread out transportation demands – in time and location – to reduce overall impact
- Determine any changes to existing and proposed transportation infrastructure (e.g., do we need to upgrade an intersection to a traffic signal?)

Related Principles of Civic Design:

“Emphasize pedestrians, bicycles, and mass transit over automobiles and building placement, entry, and architecture.”

“Respect neighborhood context”



Transportation Timeline

Project Schedule

	BLPC/PFRC Meetings	Board Approvals	Construction
Concept Design	Jan. 2022 Meeting #1 Feb. 2022 Meeting #2 Mar. 2022 Meeting #3	April 2022 - School Board	
Schematic Design	Jun. 2022 Meeting #1 Aug. 2022 Meeting #2	Sep. 2022 - School Board	
Use Permit	Jan. 2023	Feb. 2023 - County Board	
Preconstruction	Oct. 23	Nov. 2023 - School Board Construction Contract	
Construction			Dec. 2023 - Begin Dec. 2025 - New ACC Building Complete April 2027 - Project Complete

Transportation Timeline



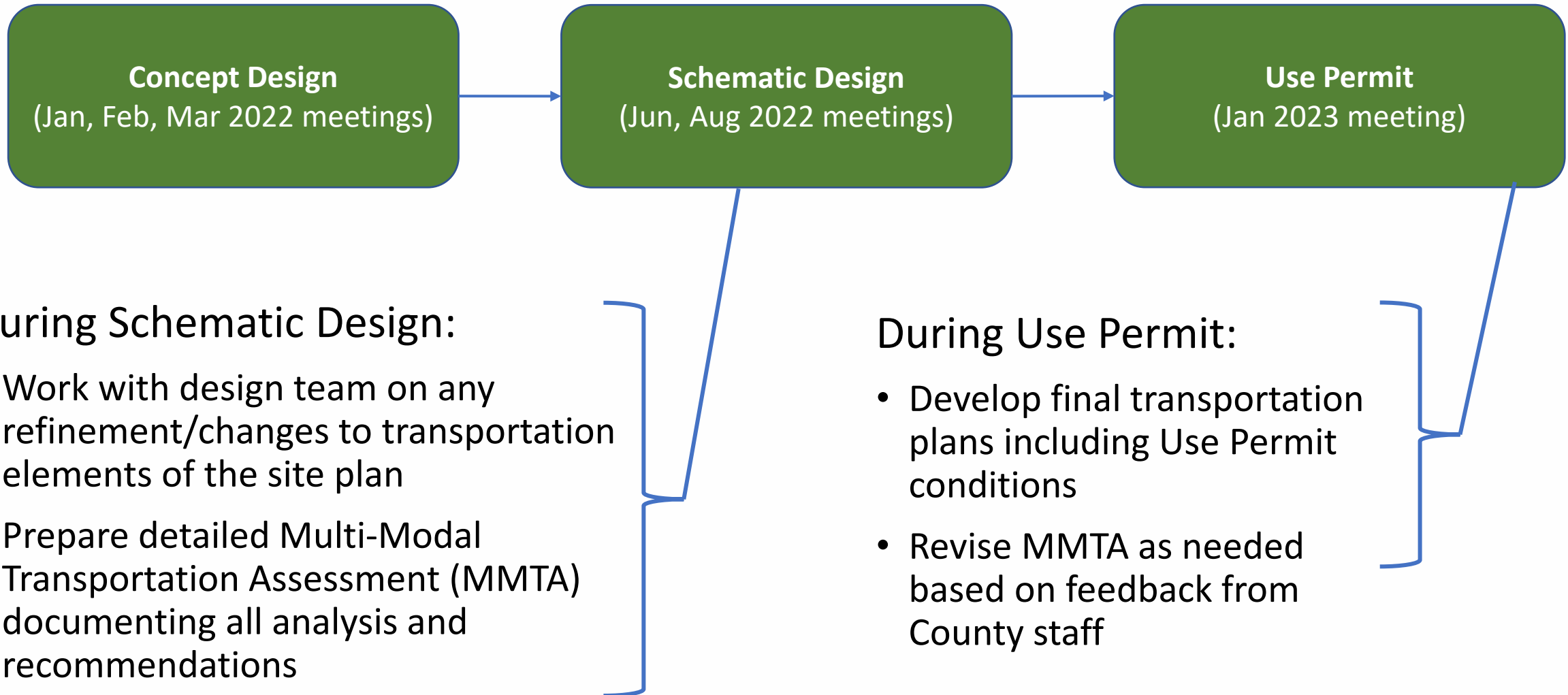
Completed and Ongoing Items:

- Conducted all new round of data collection in November 2021
- Performed comparison analysis of new data and pre-pandemic data
- Updating traffic models with new data

Upcoming Items:

- Provide design team projections of future transportation needs
- Collaborate on placement of transportation infrastructure on site
- Review plan geometry
- Preliminary analysis of design refinements

Transportation Timeline



Transportation Focus for the Concept Design Phase

- Preparation for Concept design included:
 - Taking new transportation and parking data
 - Conducting field visits
- Goal:
 - Develop projections for future Arlington Career Center campus needs
 - Identify current concerns and opportunities on site to help inform Concept Design

- Two complete sets of data available (2019 and Fall 2021)
 - Traffic counts on surrounding roads
 - Multi-modal counts at intersections
 - Parking demand over the course of the day on and off site
 - Field observations
- What's changed between 2019 and Fall 2021?
 - Traffic
 - 2021 volumes are lower on Walter Reed, but higher on 7th/9th/Highland
 - 2021 data shows larger impact of arrival/dismissal compared to 2019
 - Parking
 - 2021 shows higher residential parking demand during day
 - 2021 data shows less demand on streets adjacent to Career Center mid-day

Access Control & Bus Conflicts

- Controlling vehicle access and vehicle-bus conflicts is a concern across the campus
- Plenty of space for Career Center buses but vehicles routinely ignore signs and enter bus-only areas
- MPSA may need additional bus queuing space in the afternoons



Walter Reed PUDO

- Significant ad-hoc pick-up/drop-off (PUDO) on Walter Reed in front of ACHS and the library
- Did not appear to have negative impact on Walter Reed, but this activity may not be compatible with future County plans for Walter Reed



Summary of Field Observations (Fall 2021)

MPSA PUDO

- Pick-up/Drop-off (PUDO) for MPSA along Highland significantly impacts on-street parking and causes traffic congestion during arrival/dismissal
- Does not match observations performed in 2019 and prior dates



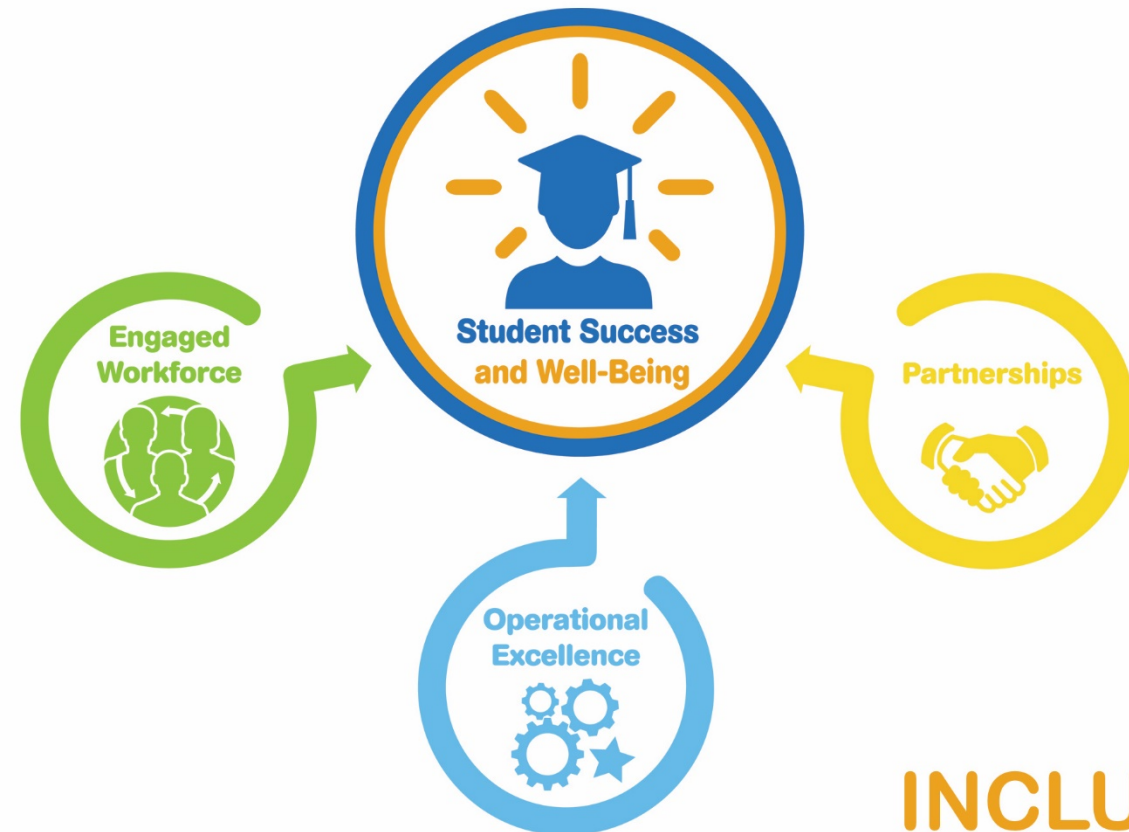
Transportation Issues for Concept Design

- Existing issues:
 - Arrival/dismissal congestion
 - Bus/passenger car conflicts
- Take-aways for Concept Design
 - Identify safe routes for walkers/cyclists, take advantage of County's Walter Reed Drive plans
 - Develop clear and separate bus and student pick-up/drop-off locations, provide more options/space for loading/unloading if needed
 - Avoid conflicts between walkers/cyclists and student pick-up/drop-off along Walter Reed drive

Transportation Topics at Future Meetings

- February Meeting
 - Present outcome of collaborations between the design team, APS staff, and County planning/transportation staff on site layout, including suggestions for:
 - Student pick-up/drop-off
 - Buses
 - Parking
 - Loading and service deliveries
 - Goal: Share these concepts and gain feedback from committees
- March Meeting
 - Present refined transportation plans based on feedback

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