BOWIE-MITCHELLVILLE
AND VICINITY
MASTER PLAN

NATURAL ENVIRONMENT
COMMUNITY CHAT
October 8, 2020

Thomas Lester
Project Manager
Community Planning Division
M-NCPPC
HOW TO PARTICPATE - TEAMS

- This meeting will be recorded and shared on the website
- Please MUTE yourself and turn OFF your video, until called upon
- If you have a comment or question, raise your hand or type it in the chat
- Unmute yourself if called upon.
MEET THE TEAM

Bowie-Mitchellville & Vicinity Master Plan

Thomas Lester, Project Manager
Andrew McCray, Deputy Project Manager
Brian Byrd, Team Member
Kim Finch, Resource Team, Countywide Planning
Kenny Turscak, UMD Graduate Intern
AGENDA - OCTOBER 8, 2020

- Project & Natural Environment Overview based on Existing Conditions Report
- Q&A
- Upcoming Events
PROJECT SCHEDULE SUMMARY

February 2020 – September 2020

February 18, 2020
Planning Board Initiation
COMPLETE

June 13, 2020
Public Kickoff
COMPLETE

August 27, 2020
Draft Existing Conditions Report
COMPLETE

September 16, 2020
Draft Existing Conditions Report Presentation
COMPLETE
October 2020 – Fall 2021

Sept. - Oct. 2020
Community Chats
HERE

November 2020
Playbook of Strategies Presentation
UPCOMING

Summer 2021
Permission to Print Draft Master Plan

Fall 2021
Joint Public Hearing
PROJECT SCHEDULE SUMMARY CONT.

December 2021 – May 2022

- **December 2021**: Planning Board Adoption
- **January 2022**: Council Work Session
- **February 2022**: Council Approval
- **May 2022**: Approval with 2nd Joint Public Hearing
FOCUS AREAS & CORRIDORS

- Bowie State University and Bowie State MARC Station Campus Center
- Old Town Bowie
- Bowie Local Town Center
- Collington Trade Zone
- Corridors MD 197, MD 450, & US 301/MD 3
MASTER PLAN OVERVIEW

- Shared long-term vision with policies & strategies
- Implement Plan 2035
- Provide policies and strategies for implementation
- Replaces the 2006 master plan and 2010 sector plan
- Identify and analyze existing conditions
DRAFT EXISTING CONDITIONS REPORT & PRESENTATION

Visit our website
https://www.mncppc.org/3390/Bowie-Mitchellville-Master-Plan

Download Existing Conditions Report
https://bowievicinity.konveio.com/draft-existing-conditions-report

Watch the presentation on our website

Read the breakout group summary

Visit the website & comment and download the PDF
MASTER PLAN ELEMENTS

- Economic Prosperity
- Housing & Neighborhoods
- Land Use
- Transportation & Mobility
- Community Heritage, Culture & Design
- Healthy Communities
- Public Facilities
- Natural Environment
NATURAL ENVIRONMENT

- Watershed
- Green infrastructure
- Forest & tree canopy
- Stormwater
- Soils
- Noise, air & light pollution
NATURAL ENVIRONMENT
WATERSHED & GREEN INFRASTRUCTURE

- Master plan area lies within 9 watersheds in the Patuxent River basin; 29% of County land area
- 400 miles of known streams, 2,175 acres of known wetlands (6%), and 2,946 (7%) acres of FEMA floodplain
- Approximately 180 acres of Wetlands of Special State Concern
- About 25,000 acres or 66% of the master plan area are within the 2017 Green Infrastructure Network
NATURAL ENVIRONMENT

FLOODPLAINS

LEGEND
- Plan Area Boundary
- DOE Watershed

Floodplain (FEMA-2016)
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard

Hydrology
- Known Wetland (MD DNR)
- Known Water Bodies

Known Stream Features
- Drainage Connector
- Stream
NATURAL ENVIRONMENT
FLOODPLAINS

Floodplain (FEMA-2016)
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard

Hydrology
- Known Wetland (MD DNR)
- Known Water Bodie

Known Stream Features
- Drainage Connector
- Stream

LEGEND
- Plan Area Boundary
- DOE Watershed
- Floodplain (FEMA-2016)
28,000 acres of forest and tree canopy (73% of planning area), and an additional 107 acres of land classified as “barren” in planning area where trees could be planted if the properties are not developed.

Comparative mapping from 1938 & 2009 show better connected, larger blocks of forest and tree canopy, however, in 1938 and more forest fragmentation by 2009.
Legend

- Plan Area Boundary
- DOE Watershed

Tree Canopy

- Green: Tree Canopy 2014
- Dark Green: Tree Canopy Gain 2009-2014
- Red: Tree Canopy Loss 2009-2014

NATURAL ENVIRONMENT
TREE CANOPY
NATURAL ENVIRONMENT

TREE CANOPY

Legend
- Plan Area Boundary
- DOE Watershed

Tree Canopy
- Tree Canopy 2014
- Tree Canopy Gain 2009-2014
- Tree Canopy Loss 2009-2014
NATURAL ENVIRONMENT

STORMWATER & SOILS

- Imperviousness within the master plan area is high at nearly 8,000 acres or 20% of the master plan area.
- Roads, buildings, and parking lots cover nearly 5,000 acres accounting for 62% of the master plan area’s total impervious cover.
- Highly porous soils in planning area, increased runoff.
Legend
- Plan Area Boundary
- DOE Watershed
- Building
- Impervious Surfaces (2014)

NATURAL ENVIRONMENT
IMPERVIOUS SURFACES
NATURAL ENVIRONMENT

IMPERVIOUS SURFACES

Legend

- Plan Area Boundary
- DOE Watershed
- Building
- Impervious Surfaces (2014)
The Washington metropolitan area, which includes Prince George’s County, currently does not meet the air quality standards set by the EPA for ground level ozone.

US 50, US 301/MD 3, Freeway Airport, and stop-and-go traffic contribute to noise.
NATURAL ENVIRONMENT
NOISE POLLUTION

Legend
- Plan Area Boundary
- Building
- Major Roads

65 dBA Ldn Road Noise Contour
1. MD 546 – Lanham Severn Road
2. MD 450 – Annapolis Road
3. US 50 – John Hanson Highway
4. MD 214 – Central Avenue
5. MD 197 – Laurel Bowie/Collington Road
6. US 301 – Robert Crain Highway
7. Enterprise Road/Watkins Park Drive
Legend

- Plan Area Boundary
- Building

65 dBA Ldn Road Noise Contour

1. MD 546 – Lanham Severn Rd
2. MD 450 – Annapolis Rd
3. US 50 – John Hanson Hwy
4. MD 214 – Central Ave
5. MD 197 – Laurel Bowie/Collington Rd
6. US 301 – Robert Crain Hwy
7. Enterprise Rd/Watkins Park Dr

NATURAL ENVIRONMENT
NOISE POLLUTION
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Question # 1

What concerns you with the natural environment and why?
Do you have concerns about stormwater and flooding and why? Where could stormwater management techniques be best utilized to improve runoff?
Question # 3

Where could tree canopy and forest cover be improved? What challenges have you experienced with increasing the tree canopy and forest cover?
Question # 4

What measures could be taken to mitigate climate change at the local level?
Where do you experience light and noise pollution?
QUESTIONS?
Virtual Community Chats Cont.  September to October

Virtual Presentation – Playbook of Strategies  November 12, 2020
PLANNING ELEMENTS

- Economic Prosperity
- Housing & Neighborhoods
- Land Use
- Transportation & Mobility
- Community Heritage, Culture & Design
- Healthy Communities
- Public Facilities
- Natural Environment

Focused look at each of the planning elements

Watch our previous chats on our website

Register on our website for a topic that interests you

https://www.mncppc.org/3390/Bowie-Mitchellville-Master-Plan
## COMMUNITY CHATS

### SCHEDULE

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<th>Date</th>
<th>Time</th>
<th>Topic</th>
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<tr>
<td>September 22</td>
<td>7:00 p.m. – 8:00 p.m.</td>
<td>Public Facilities</td>
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<tr>
<td>September 24</td>
<td>6:00 p.m. – 7:00 p.m.</td>
<td>Land Use, Zoning &amp; Urban Form</td>
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<td>September 30</td>
<td>7:00 p.m. – 8:00 p.m.</td>
<td>Housing &amp; Neighborhood</td>
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<td>October 1</td>
<td>6:00 p.m. – 7:00 p.m.</td>
<td>Healthy Communities</td>
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<td>October 6</td>
<td>7:00 p.m. – 8:00 p.m.</td>
<td>Economic Prosperity</td>
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<td>October 8</td>
<td>6:00 p.m. – 7:00 p.m.</td>
<td>Natural Environment</td>
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<td>October 12</td>
<td>7:00 p.m. – 8:00 p.m.</td>
<td>Community Heritage, Culture &amp; Design</td>
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<tr>
<td>October 14</td>
<td>6:00 p.m. – 7:00 p.m.</td>
<td>Transportation &amp; Mobility</td>
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Scheduled for early November
Reviews data and feedback received
Creates urban design schemes for certain nodes
Addresses challenges within each of the plan elements
Visit my2020census.gov or call (844)330-2020
Thomas Lester
Project Manager
Community Planning Division
M-NCPPC
Thomas.Lester@ppd.mncppc.org

Visit the website & download the PDF
https://bowievicinity.konveio.com/draft-existing-conditions-report