Purpose of Today’s Presentation

- Parks Staff seeks any comments or guidance that the Planning Board may wish to offer on this project.
Project Team

- RK&K
- Toole Design Group
- Highmeadow Design
- M-NCPPC (Montgomery Parks)
  - Park Development Division
  - Public Relations & Marketing Division
  - Park Planning & Stewardship Division
  - Northern & Southern Regions Staff
  - PDCO Team (Planning, Design, Construction & Operations)
Project Scope

- Trail Signage Manual (Design Guidelines)
- Montgomery Parks Trail System Logo

- Rock Creek Trail Signage Plans (Design + Installation)
- Rock Creek Trail Kiosk Map (Design Only)
Project Goals


- Design and install improved signage along Rock Creek Trail (RCT), in response to ongoing public requests.

- Utilize the RCT Signage Plans as a test pilot for development of the Trail Signage Manual.

- Design a new kiosk map for all existing RCT Kiosk locations
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Gateway Signs - Primary

- **Sign Function:**
  - To identify the trail name
  - To identify the operating agency (M-NCPDC)
  - To display allowed modes of use.
  - To provide wayfinding destinations (as applicable)
Trail Gateway Signs - Primary

- **Typical Locations:**
  - Main trail entrances
  - Connector trail entrances
  - Trailhead parking areas
  - Roadway crossings
Trail Gateway Signs - Primary

- Entrance to connector trail
Trail Gateway Signs - Primary

- Roadway crossing
Trail Gateway Signs - Secondary

- Sign Function:
  - To identify the trail name (using a smaller sign)
  - To identify the operating agency (M-NCPPC)
  - To provide direction to destinations
Trail Gateway Signs - Secondary

- Typical Locations:
  - Where the connector trail intersects with the Rock Creek Trail (main trail).
  - Where other Montgomery Parks Trails intersect with the main trail.
Trail Gateway Signs - Secondary

- Entrance to the main trail from the connector trail
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Navigation Signs

- **Sign Function:**
  - Provides wayfinding
  - Provides re-assurance to stay on the trail at intersections with other trails.

**Supplemental Destinations**

- Rock Creek Trail
- Chevy Chase View X.X
- Medical Center X.X
Trail Navigation Signs

- Typical Locations:
  - “T” or “Y” Trail Intersections
  - Alternative Routes
  - Linking Two Major Trails
  - Guide to Trail User Services
    - Park Facilities
    - Recreational Areas
  - Egress Guide to Trail User Services
    - Parking
    - Water
    - Restrooms
Trail Navigation Signs

- “T” Trail Intersection
Trail Navigation Signs

- “T” Trail Intersection (opposite direction)
Trail Navigation Signs

- Egress at a roadway intersection
Trail Navigation Signs - Supplemental

- Typical Locations:
  - Along trail between roadway crossings (less common).

Supplemental Destinations along the trail:

- Avery Rd
- Norbeck Rd
- Baltimore Rd
Trail Navigation Signs

- Wayfinding along the trail – providing distances to destinations
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- **Trail Etiquette Signs**
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Warning Signs

- Located in advance of sharp turns, steep slopes, limited visibility, narrow clearance, flood-prone areas, or other unique trail conditions requiring extra caution.
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail / Roadway Traffic Regulatory Signs

- Provides guidance to trail users when a specific trail use is prohibited or a specific law may be enforced.
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail / Roadway Intersection Signs

- Provides guidance to trail users and vehicles where a trail crosses a roadway (per DOT or SHA standards).

- **(R10-15)** 30” x 36”
  Operational Regulation for Motorists
  N.T.S.

- **(R10-15(1))** 24” x 30”
  Operational Regulation for Motorists
  N.T.S.

- **(R10-3(1))** 9” x 15”
  Operational Regulation
  N.T.S.

- **(R15-8)** 18” x 9”
  Operational Regulation
  N.T.S.

- **(W11-15)** 30” x 30”
  Caution
  N.T.S.

- **(W11-15p)** 24” x 18”
  Caution
  N.T.S.

- **(W11-15p modified)** Varies x 18”
  Trail Identification
  N.T.S.

- **(W16-7p)** 24” x 12”
  Caution
  N.T.S.

- **(W16-9p)** 24” x 12”
  Caution
  N.T.S.

- **(W5-4a Modified)** 18” x 18”
  Caution for Trail Users
  N.T.S.

- **(W5a)** 18” x 18”
  Warning for Turning Vehicles
  N.T.S.
Trail / Roadway Intersection Signs

- Typical Roadway Crossing

Existing Signage at Mid-block Crossing
Trail Signage Manual: “Family of Signs”

- Trail Gateway Signs
- Trail Navigation Signs
- Trail Etiquette Signs
- Trail Warning Signs
- Trail / Roadway Traffic Regulatory Signs
- Trail / Roadway Intersection Signs
- Trail Mileage Markers
Trail Mileage Marker Signs

- Located at every half-mile interval (at a minimum).
- Provides trail users with distance for daily exercise or local racing events.
- Provides a benchmark for locating patrons during an emergency.
Rock Creek Trail Signage Plans
Trail Signage Plans: “Notebook”

(Plans – 11x17): 20 pages

(“Notebook” – 8x11): 500 pages

Assembly Purpose(s):
- Entrance
- Exit
- Primary Route
- supplemental destinations
- Warning
- Regulatory
- Identification
- Other

Trail Gateway Panel Types:
- TG (10” x 37”)
- TGA-G-12 (12” x 6”)
- TGA-G-16 (16” x 6”)
- TGA-B (6” x 37”)

Trail Fingering Panel Types:
- TFB 30 (6” x 30”)
- TFB 35 (6” x 30”)
- TFB-N 35 (6” x 30”)
- TFB 30 (9” x 30”)
- TFB 36 (9” x 36”)
- TFB 8 (8” x 30”)
- TFB-P (varies)
- SN (5” x varies)

Feature ID Panel Types:
- FP-SN (8” x 42”)
- FP-S (6” x 42”)
- FP-S 9 (9” x 42”)

Panel 1: TG
Panel 2: TFB 30
Panel 3: TFB 35
Panel 4: TFB-N 35
Panel 5:

Major Intersection:

Pole Type:
- Existing
- New
- U-Channel
- Square Meta
- Ped Light
- Street Light

Other Assemblies on Pole:
- Back to back with Assembly #
- Perpendicular to Assembly #

Notes:

Panel Face Direction:
- View North
- View East
- View South

If Existing Pole:
- Above
- Below
- Back to Back
- Adjust Ex. Panel(s):
- Overhang
- Yes
- No
- Remove

Existing Signs:
- Arterial
- Transit

Legend:
- Hiking Trailway
- Bike Trailway
- Other Trailway
- Trail Access and Trail Signs
- Intersection Angled and Warning Signs
- Warning Signs
Trail Signage Plans: “Notebook”
Trail Signage Plans: “Notebook”

Assembly Purpose(s):
- Entrance
- Exit
- Trail Users
- Entrance
- Exit
- for Multi-use
- Primary Route Turn
- Supplemental Destinations
- Warning
- Regulatory
- Identification
- Other

Trail Gateway Panel Types:
- TG (20” x 27”)
- TGA-G-12 (12” x 6”)
- TGA-G-15 (15” x 6”)
- TG-S (6” x 27”)

Trail Fingerboard Panel Types:
- TFB 3D (6” x 30”)
- TFB 3E (6” x 36”)
- TFB-N 3D (6” x 30”)
- TFB-N 3E (6” x 36”)
- TFB-S 3D (6” x 30”)
- TFB 3D (6” x 36”)
- TFB-P (varies)
- SN (5” x varies)

Feature ID Panel Types:
- FIP-SN (6” x 42”)
- FIP-S (6” x 42”)
- FIP-S (9” x 42”)

Note:
- Recessed or flat panels only and MUTCD sign type

Panel 1: TFB 3D
Panel 2: 
Panel 3: 
Panel 4: 
Panel 5: 

Major Intersection:

Pole Type:
- Existing
- New
- U-Channel
- Square Metal
- Pedest Light
- Street Light
- Pedest Signal
- Signal
- Utility
- Other

Pole Location:
- NB Right of Trail
- SB Right of Trail
- NB Left of Trail
- SB Left of Trail
- Opposite of Spear

Adjust Ex. Panel(s):
- Check all that apply:
  - No
  - Yes, down
  - Yes, up
  - Remove

Notes:

Existing Signs:

Assembly # 11.3.1

Panel Face Direction:
- North
- West
- East
- South

Panel Direction:
- North
- South
- East
- West

If Existing Pole:
- Location of new sign:
  - Above
  - Below
  - Back to Back

Other Assemblies on Pole:
- Back to back with Assembly # 11.32
- Perpendicular to Assembly # 11.3.3
Trail Signage Plans: “Notebook”
Trail Signage Plans: “Notebook”

Assembly Purpose(s):
- Entrance
- Exit
- Primary Route
- Secondary Route
- Warning
- Regulatory
- Identification
- Other

Trail Gateway Panel Types:
- TG (20” x 27”)
- TAG-G 12 (12” x 6”)
- TAG-A 15 (15” x 6”)
- TAG-S (8” x 27”)

Trail Fingerboard Panel Types:
- TFB 30 (6” x 30”)
- TFB 36 (6” x 36”)
- TFB-N 30 (6” x 30”)
- TFB-R 36 (6” x 36”)
- TFB-S 30 (6” x 30”)
- TFB-S 36 (6” x 36”)
- TFB-P (varies)
- SN (5” x varies)

Feature ID Panel Types:
- FID-SN (6” x 42”)
- FID-S 6 (6” x 42”)
- FID-S 9 (9” x 42”)

Panel 1: TFB 30
Panel 2: TFB 36
Panel 3: TFB 30
Panel 4: TFB 30
Panel 5: TFB 30

Major Intersection:

Pole Type:
- Existing
- New
- U-Channel
- Square Tubular
- Pedestrian
- Street Light
- Pedal Signal
- Signal
- Utility
- Other

Other Assemblies on Pole:
- Back to Back
- Perpendicular to Pole
- For Trail Users
- Enter Trail Users
- Exit Trail Users
- Forstalk Trail
- Subdivision
- Street
- Sidewalk
- Pedestrian
- Street Light
- Pedal Signal
- Signal
- Utility
- Other

Panel Face Direction:
- North
- West
- South

If Existing Pole:
- Location of new sign relative to existing pole
- Above
- Below
- Back to Back
- Adjust Existing Panel(s):
- Check all that apply:
- New
- Yes, down
- Yes, up
- Remove

Existing Signs:

Notes:

Legend:
- Montgomery County Boundary
- Montgomery Park Trails
- Athletic Park Trails
- Washington Metro
- Supplemental Destination Signs
- Trail Entrance and Exit Signs
- Intersection Regulatory and Parking Signs
How Many Sign Assemblies?

Example Trail Segment #1
Baltimore Road to Oriental Street Connector (1 mile)
How Many Sign Assemblies?

Example Segment #1
Main Trail: 1 Mile
Connector Trails: 0.75 Mile
1 Road Crossing (Baltimore Road)
4 Neighborhood Connector Trails

- 6 - Trail Gateway Sign Assemblies (1 post)
- 12 - Trail Navigation Sign Assemblies (1 post)
- 3 - Trail Etiquette Sign Assemblies (1 post)
- 3 - Trail Warning Sign Assemblies (1 post)
- 2 - Trail/Roadway Regulatory Assemblies (1 post)
- 5 - Trail/Roadway Intersection Signs* (1 post)
  *Installed by DOT
- 2 - Trail Mileage Markers (1 post)

34 Total Assemblies (Main Trail + Connectors)
How Many Sign Assemblies?

Example Trail Segment #2
Randolph Road to Garrett Park Road (1 mile)
How Many Sign Assemblies?

Example Segment #2
Main Trail: 1 Mile
Connector Trails: 0.2 Mile
2 Road Crossings (Randolph, Garrett Park Rd)
4 Neighborhood Connector Trails

- 8 - Trail Gateway Sign Assemblies (1 post)
- 16 - Trail Navigation Sign Assemblies (1 post)
- 3 - Trail Etiquette Sign Assemblies (1 post)
- 7 - Trail Warning Sign Assemblies (1 post)
- 2 - Trail/Roadway Regulatory Assemblies (1 post)
- 9 - Trail/Roadway Intersection Signs* (1 post)
  *Installed by DOT
- 2 - Trail Mileage Markers (1 post)

47 Total Assemblies (Main Trail + Connectors)
Summary

- Rock Creek Trail = **14 Miles**
- **20** Connector Trails (totaling 2 Miles)
- **15** Road Crossings
- **13** Trailhead Parking Access Points
- **350** Total Proposed Signage Assemblies (Single Pole)
- **25** Signage Assemblies Per Mile (Average)
Rock Creek Trail Signage Project

Montgomery County Planning Board Presentation   October 24, 2013