

Appendix E

Harford Transit LINK

Stop Improvement Profiles

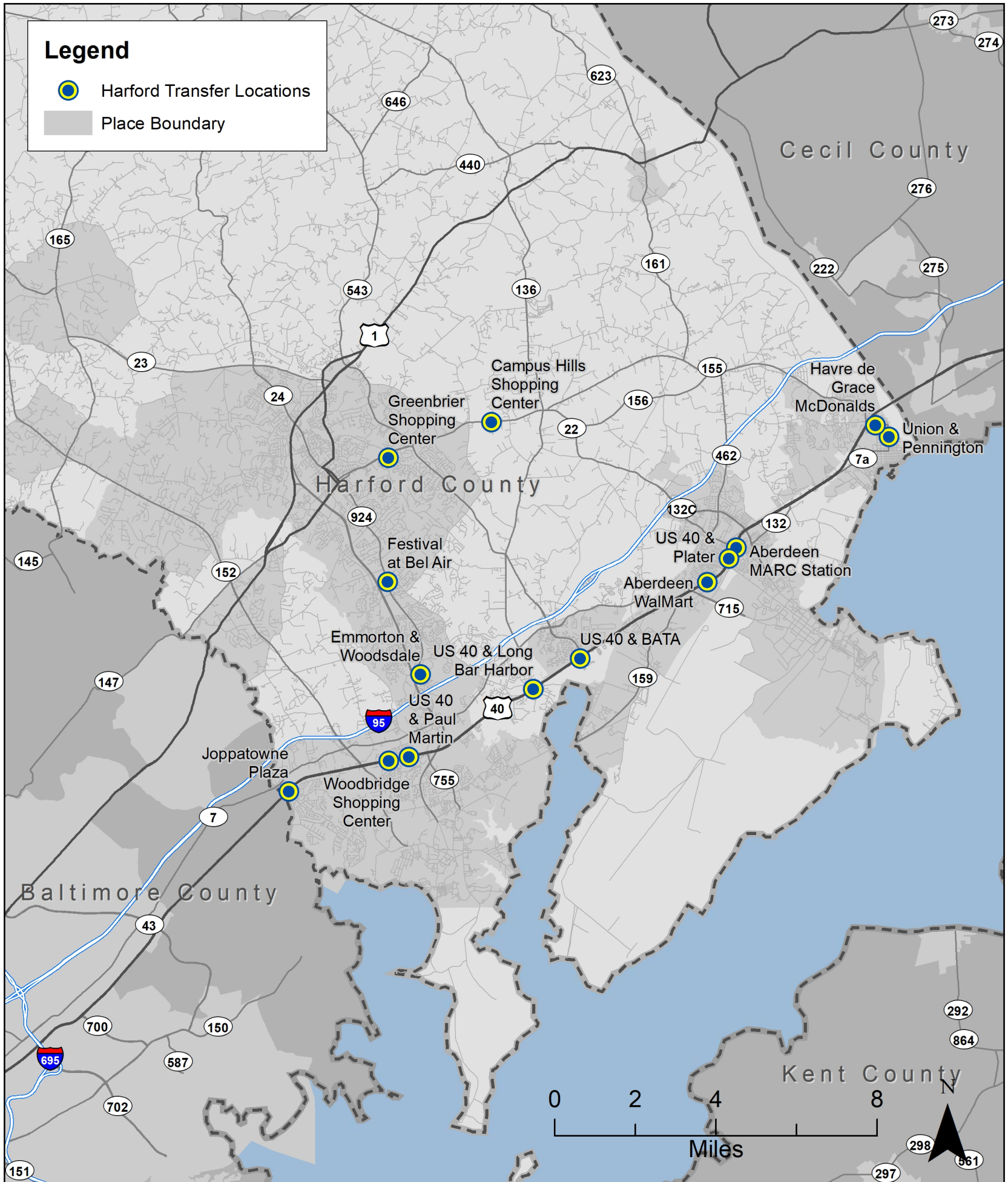


Appendix E

Harford Transit LINK Potential Transfer Stops

Aberdeen MARC Station	1
Aberdeen Wal-Mart	5
Campus Hills Shopping Center	10
Emmorton & Woodsdale	19
Festival at Bel Air	17
Greenbrier Shopping Center	23
Havre de Grace McDonalds	27
Joppatowne Plaza	32
Union & Pennington	37
US 40 & BATA	41
US 40 & Long Bar Harbor	45
US 40 & Paul Martin	50
US 40 & Plater	54
Woodbridge Shopping Center	58

Harford Transit LINK-MTA Transfer Locations Reference Map



BMC Transfer Study Location Profiles

Aberdeen MARC Station

LOTS: Harford Transit

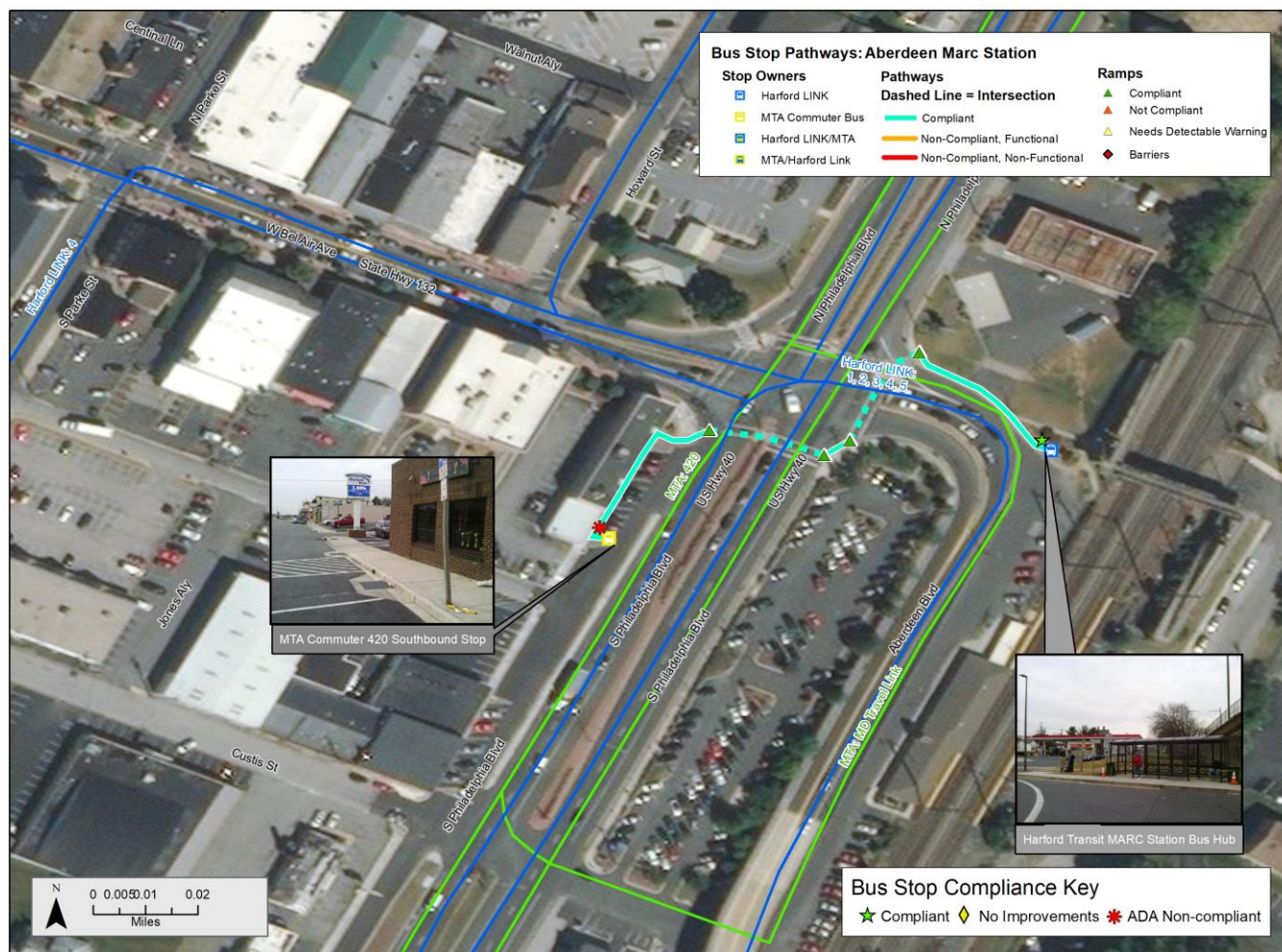
MTA Bus Service: Commuter

Location Type: Transit Center-Shopping Center

Number of Distinct Stops: 2



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	0	Detectable Warnings Needed:	0
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	Yes
Compliant Amenities:	Yes	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	11	Average Transfer Time:	0:40
Daily LOTS Stops:	76	<15 Minute Transfers:	34

Total Estimated Improvement Costs:

\$6,600.00

Aberdeen MARC Station		
Harford County		
Required Improvements		
New sidewalk to be installed	0	\$0.00
New Curb Ramps	0	\$0.00
Detectable warning	0	\$0.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Wayfinding Signage	1	\$200.00
Stop 1	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
New Information Case	1	\$500.00
Stop 2	Primary Owner:	Harford Transit Link
New Compliant Landing Pad	0	\$0.00
New Information Case	1	\$500.00
Digital Display	1	\$1,000.00
New Signs	1	\$200.00
	Location Cost:	\$200.00
	Stop 1 Cost:	\$4,700.00
	Stop 2 Cost:	\$1,700.00
	Total Cost	\$6,600.00

BMC Transfer Stop Inventory

Transfer Location: **Aberdeen MARC Station** Heading: **210**
 Stop ID: **NA** Placement: **Farside**
 On Street: **US 40** Speed: **45 mph**
 Cross Street: **APG RD** Travel Lanes: **4**
 Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **MTA Commuter Bus**
 Sign Installation: **Traffic sign po** Stop Owner 2: **NA**
 Sign Height: **80" or greater** Stop Owner 3: **NA**
 Route Info: **MTA 420**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**
 Shelter Foundation: **NA** Info Case Accessible: **NA**
 Shelter Damage: **NA** Info Case Damage: **NA**
 Shelter Accessible? **NA** Digital Display? **No**
 Entrance Accessible? **NA** Route Schedule? **No**
 Interior Accessible? **NA** System Map? **No**
 Benches? **0** Route Map? **No**
 Bench Location: **NA** Trash Can? **No**
 Bench Damage: **NA** Publication Boxes? **0**
 Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **No, sidewalk** Sidewalk Width: **5**
 Material: **Concrete** Obstruction: **None**
 Surface Problem: **None** Land Buffer: **No**
 Obstruction: **None** Surface Problem: **None**
 Connect Sidewalk? **Yes** Curb Ramp: **Perpendicular**
 Connect Curb? **Yes** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**
 CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**
 CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**
 CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **5**
 LOTS Riders:

Estimated Stop Improvement Cost:
\$4,700.00

BMC Transfer Study Stop Inventory

Transfer Location: **Aberdeen MARC Station** Heading: **0**
 Stop ID: **NA** Placement: **Farside**
 On Street: **APG RD** Speed: **25 mph**
 Cross Street: **US 40** Travel Lanes: **2**
 Survey Date: **12/5/2018** Compliance Level: **Compliant**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **Harford LINK**
 Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**
 Sign Height: **Less than 80"** Stop Owner 3: **NA**
 Route Info: **HT 6A, 1A, 1, 6, 4, 7, 8**



Approaching Stop

Shelters and Other Amenities

Shelters: **1** Info Case: **Yes**
 Shelter Foundation: **Concrete** Info Case Accessible: **Accessible**
 Shelter Damage: **None** Info Case Damage: **None**
 Shelter Accessible? **Yes** Digital Display? **No**
 Entrance Accessible? **Yes** Route Schedule? **Yes**
 Interior Accessible? **Yes** System Map? **Yes**
 Benches? **1** Route Map? **No**
 Bench Location: **Shelter** Trash Can? **Yes**
 Bench Damage: **None** Publication Boxes? **0**
 Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **5**
 Material: **Concrete** Obstruction: **None**
 Surface Problem: **None** Land Buffer: **No**
 Obstruction: **None** Surface Problem: **None**
 Connect Sidewalk? **Yes** Curb Ramp: **Perpendicular**
 Connect Curb? **Yes** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**
 CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**
 CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**
 CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **8**
 LOTS Riders: **88**

Estimated Stop Improvement Cost:
\$1,700.00

BMC Transfer Study Location Profiles

Aberdeen Wal-Mart

LOTS: Harford Transit

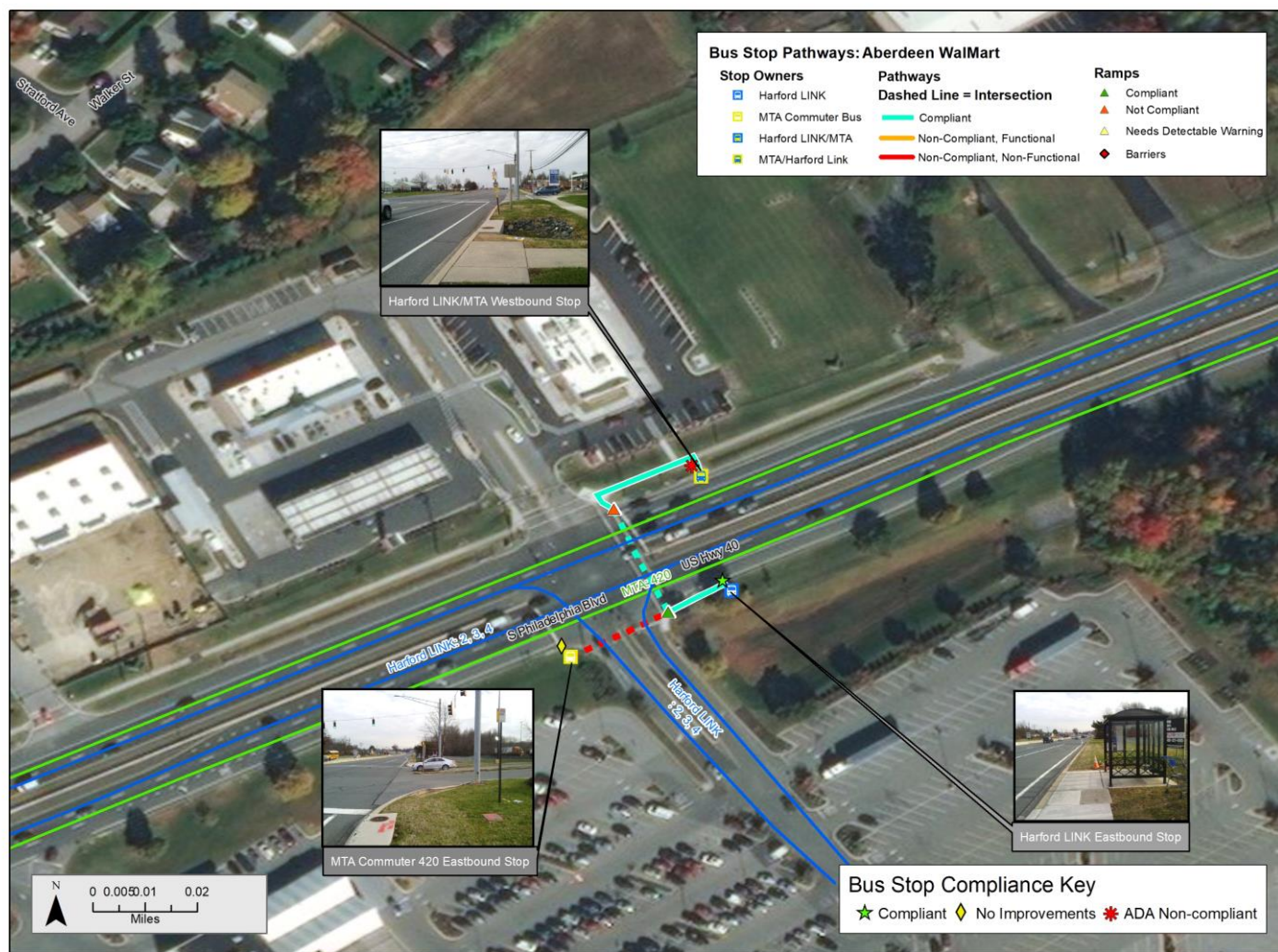
MTA Bus Service: Commuter

Location Type: Commercial-Shopping Center

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	2
Sidewalk (ft) to be installed/repaired:	10	Detectable Warnings Needed:	2
Signs with Non-Compliant Height:	1	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	Yes
Compliant Amenities:	Yes	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	11	Average Transfer Time:	0:42
Daily LOTS Stops:	29	<15 Minute Transfers:	6

Total Estimated Improvement Costs:

\$12,795.00

Aberdeen Wal-Mart		
Harford County		
Required Improvements		
New sidewalk to be installed	10	\$250.00
New curb ramps	2	\$7,000.00
Detectable warning	2	\$150.00
Enhanced Improvements		
Pedestrian Control	1	\$695.00
Crosswalk	1	\$300.00
Stop 1: NB MTA	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
New Information Case	0	\$0.00
Stop 2: SB MTA/HT LINK	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
Stop 3: NB HT LINK Shelter	Primary Owner:	Harford Transit Link
New Compliant Landing Pad	0	\$0.00
New Information Case	0	\$0.00
New Signs	1	\$200.00
	Location Cost:	\$8,395.00
	Stop 1 Cost:	\$4,000.00
	Stop 2 Cost:	\$200.00
	Stop 3 Cost:	\$200.00
	Total Cost	\$12,795.00

BMC Transfer Study Stop Inventory

Transfer Location: **Aberdeen Wal-Mart** Heading: **60**

Stop ID: **NA** Placement: **At Location**

On Street: **US 40** Speed: **55 mph**

Cross Street: **ABERDEEN WA** Travel Lanes: **4**

Survey Date: **12/5/2018** Compliance Level: **No Improvement**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **MTA Commuter Bus**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**

Sign Height: **80" or greater** Stop Owner 3: **NA**

Route Info: **MTA 420**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

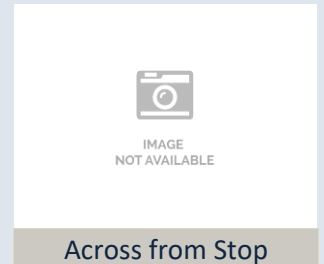
Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **No**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **None** Sidewalk Width: **NA**

Material: **NA** Obstruction: **NA**

Surface Problem: **NA** Land Buffer: **NA**

Obstruction: **NA** Surface Problem: **NA**

Connect Sidewalk? **NA** Curb Ramp: **None**

Connect Curb? **NA** Detectable Warning: **NA**



Departing Stop

Safety

CR Connect OSNS: **No** Crosswalk OSNS: **No** Traffic Control OS: **Traffic light**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**

CR Connect CSAS: **No** Crosswalk CSAS: **No** Ped Control OS: **Yes**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **1**

LOTS Riders:

Estimated Stop Improvement Cost:
\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location: **Aberdeen Wal-Mart** Heading: **60**

Stop ID: **NA** Placement: **At Location**

On Street: **US 40** Speed: **55 mph**

Cross Street: **ABERDEEN WA** Travel Lanes: **4**

Survey Date: **12/5/2018** Compliance Level: **Compliant**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **Harford LINK**

Sign Installation: **Shelter** Stop Owner 2: **NA**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **HT 6, 6A, 8**



Approaching Stop

Shelters and Other Amenities

Shelters: **1** Info Case: **Yes**

Shelter Foundation: **Concrete** Info Case Accessible: **Accessible**

Shelter Damage: **None** Info Case Damage: **None**

Shelter Accessible? **Yes** Digital Display? **No**

Entrance Accessible? **Yes** Route Schedule? **No**

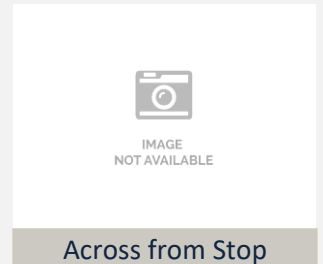
Interior Accessible? **Yes** System Map? **Yes**

Benches? **1** Route Map? **No**

Bench Location: **Shelter** Trash Can? **No**

Bench Damage: **None** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **5**

Material: **Concrete** Obstruction: **None**

Surface Problem: **None** Land Buffer: **No**

Obstruction: **None** Surface Problem: **None**

Connect Sidewalk? **Yes** Curb Ramp: **Perpendicular**

Connect Curb? **Yes** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **No** Crosswalk OSNS: **No** Traffic Control OS: **Traffic light**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**

CR Connect CSAS: **No** Crosswalk CSAS: **No** Ped Control OS: **Yes**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **0**

LOTS Riders: **4**

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Stop Inventory

Transfer Location: **Aberdeen Wal-Mart** Heading: **230**

Stop ID: **NA** Placement: **Across From**

On Street: **US 40** Speed: **55 mph**

Cross Street: **ABERDEEN WA** Travel Lanes: **4**

Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **2** Stop Owner 1: **MTA Commuter Bus**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **Harford LINK**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **MTA 420, HT 6, 6A, 8**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

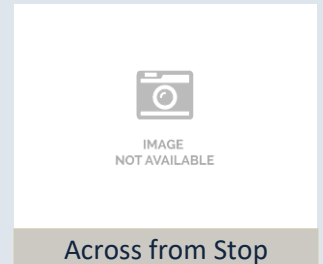
Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **Yes**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **4**

Material: **Concrete** Obstruction: **None**

Surface Problem: **None** Land Buffer: **Yes**

Obstruction: **None** Surface Problem: **None**

Connect Sidewalk? **Yes** Curb Ramp: **Perpendicular**

Connect Curb? **Yes** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**

CR Connect OSFS: **No** Crosswalk OSFS: **No** Traffic Control CS: **Traffic light**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**

CR Connect CSOP: **No** Crosswalk CSOP: **No** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **3**

LOTS Riders: **5**

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Location Profiles

Campus Hills Shopping Center

LOTS: Harford Transit

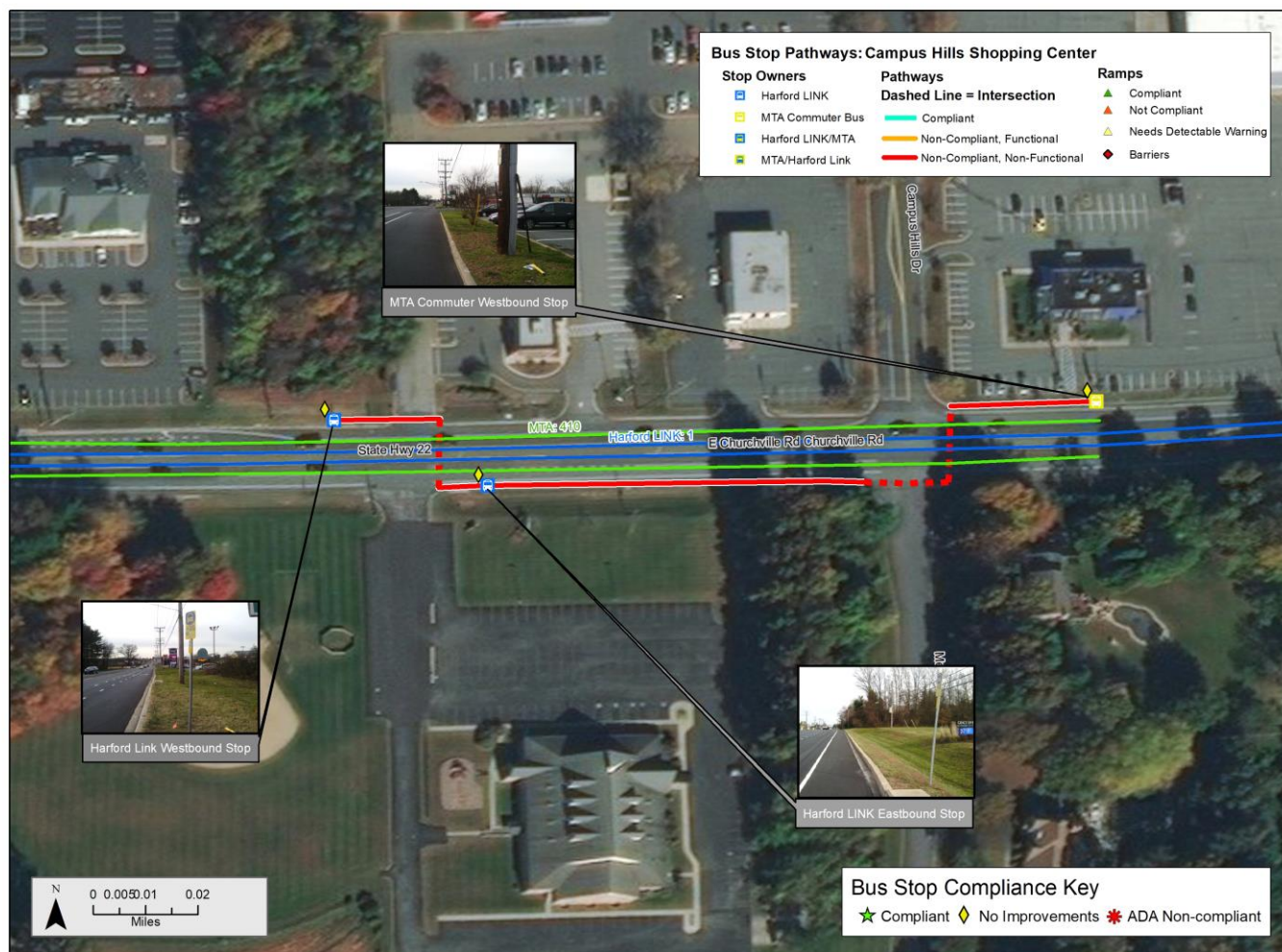
MTA Bus Service: Commuter

Location Type: Shopping Center

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	3	Curb Ramps to Install:	6
Sidewalk (ft) to be installed/repaired:	493	Detectable Warnings Needed:	6
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	10	Average Transfer Time:	0:32
Daily LOTS Stops:	14	<15 Minute Transfers:	4

Total Estimated Improvement Costs:

\$47,965.00

Campus Hills Shopping Center		
Harford County		
Required Improvements		
New sidewalk to be installed	493	\$12,325.00
New curb ramps	6	\$21,000.00
Detectable warning	6	\$450.00
Enhanced Improvements		
Pedestrian Control	2	\$1,390.00
Crosswalk	2	\$600.00
Stop 1: MTA SB Stop	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 2: HT LINK SB Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 3: HT LINK NB Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	1	\$4,000.00
New Sign (Need MTA Sign)	1	\$200.00
	Location Cost:	\$35,765.00
	Stop 1 Cost:	\$4,000.00
	Stop 2 Cost:	\$4,000.00
	Stop 3 Cost:	\$4,200.00
	Total Cost	\$47,965.00

BMC Transfer Study Stop Inventory

Transfer Location:	Campus Hills Shopping Center	Heading:	270
Stop ID:	NA	Placement:	Nearside
On Street:	CHURCHVILLE R	Speed:	50 mph
Cross Street:	CAMPUS HILLS	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	No Improvement



Bus Stop Sign

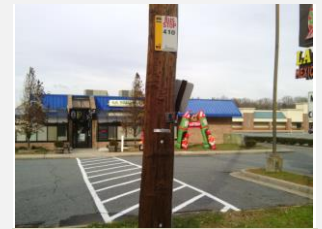
Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Utility pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 410		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership: 3
LOTS Riders:

Estimated Stop Improvement Cost:
\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location:	Campus Hills Shopping Center	Heading:	90
Stop ID:	NA	Placement:	Across From
On Street:	CHURCHVILLE R	Speed:	50 mph
Cross Street:	AMC	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	No Improvement



Bus Stop Sign

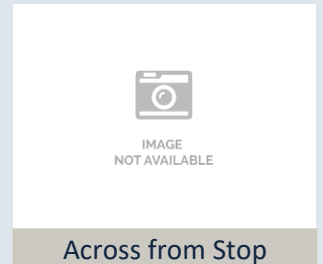
Number of Signs:	1	Stop Owner 1:	Harford LINK
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	NA		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Yield
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	
LOTS Riders:	3

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Stop Inventory

Transfer Location:	Campus Hills Shopping Center	Heading:	270
Stop ID:	NA	Placement:	At Location
On Street:	CHURCHVILLE R	Speed:	50 mph
Cross Street:	AMC	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	No Improvement



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	Harford LINK
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	HT 1A, 1		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



IMAGE NOT AVAILABLE

Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Stop sign
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:

LOTS Riders: 3

Estimated Stop Improvement Cost:

\$4,000.00

BMC Transfer Study Location Profiles

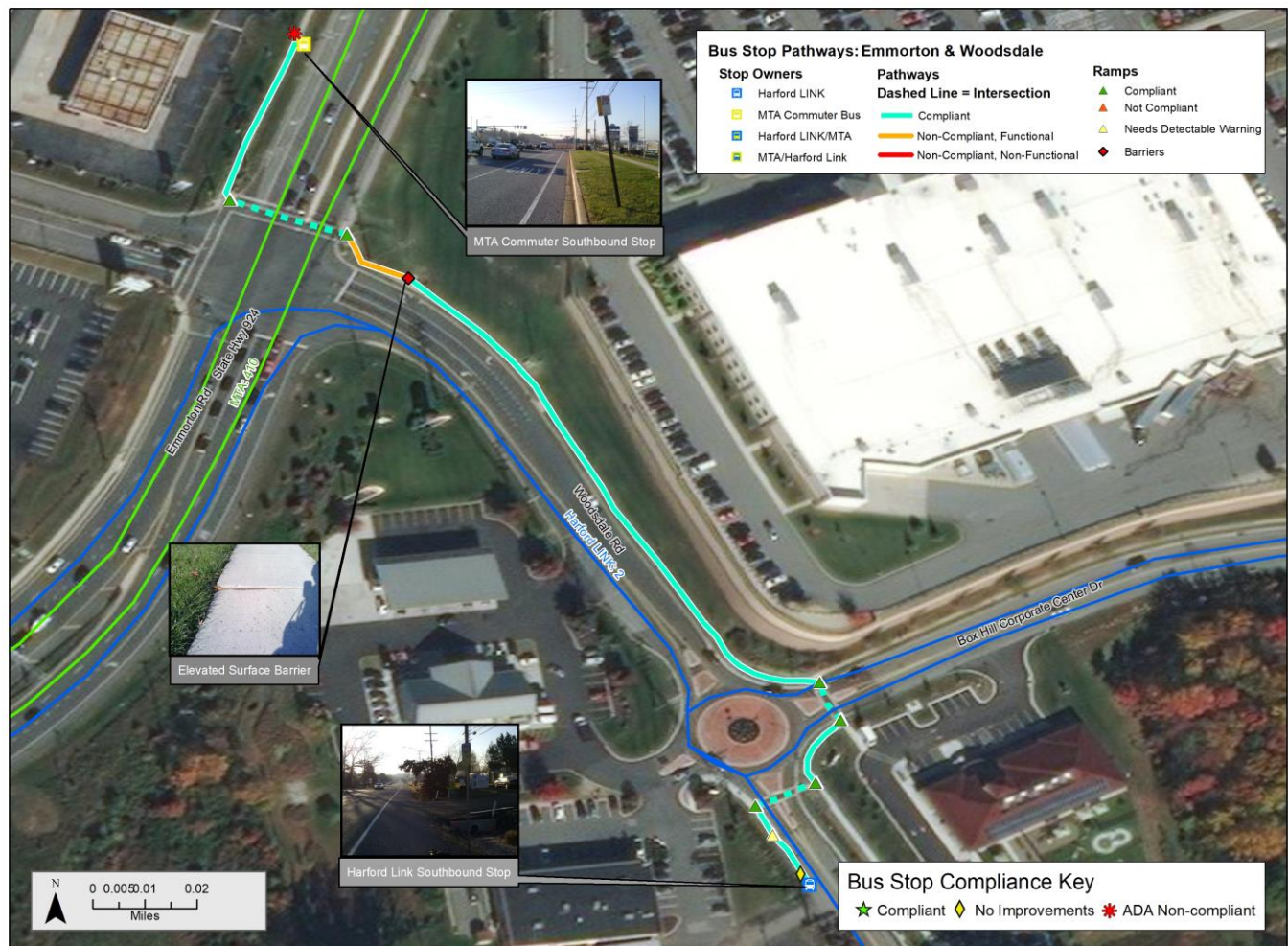
Emmorton & Woodsdale

LOTS: Harford Transit

MTA Bus Service: Commuter

Location Type: Commercial-Shopping

Number of Distinct Stops: 2



Compliance Overview

Landing Pads Needed:	2	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	68	Detectable Warnings Needed:	1
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	10	Average Transfer Time:	0:28
Daily LOTS Stops:	14	<15 Minute Transfers:	7

Total Estimated Improvement Costs:

\$10,175.00

Emmorton & Woodsdale		
Harford County		
Required Improvements		
New sidewalk to be installed	68	\$1,700.00
New curb ramps	0	\$0.00
Detectable warning	1	\$75.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: HT LINK WaWa Stop	Primary Owner:	Harford Transit Link
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 2: MTA SB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
	Location Cost:	\$1,775.00
	Stop 1 Cost:	\$4,200.00
	Stop 2 Cost:	\$4,200.00
	Total Cost	\$10,175.00

BMC Transfer Study Stop Inventory

Transfer Location: **Emmorton & Woodsdale** Heading: **290**
 Stop ID: **NA** Placement: **Nearside**
 On Street: **EMMORTON RD** Speed: **40 mph**
 Cross Street: **WOODSDALE R** Travel Lanes: **5**
 Survey Date: **12/11/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **MTA Commuter Bus**
 Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**
 Sign Height: **80" or greater** Stop Owner 3: **NA**
 Route Info: **MTA 410**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**
 Shelter Foundation: **NA** Info Case Accessible: **NA**
 Shelter Damage: **NA** Info Case Damage: **NA**
 Shelter Accessible? **NA** Digital Display? **No**
 Entrance Accessible? **NA** Route Schedule? **No**
 Interior Accessible? **NA** System Map? **No**
 Benches? **0** Route Map? **No**
 Bench Location: **NA** Trash Can? **No**
 Bench Damage: **NA** Publication Boxes? **0**
 Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **None** Sidewalk Width: **5**
 Material: **NA** Obstruction: **None**
 Surface Problem: **NA** Land Buffer: **Yes**
 Obstruction: **NA** Surface Problem: **None**
 Connect Sidewalk? **NA** Curb Ramp: **Diagonal**
 Connect Curb? **NA** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**
 CR Connect OSFS: **No** Crosswalk OSFS: **No** Traffic Control CS: **Traffic light**
 CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**
 CR Connect CSOP: **No** Crosswalk CSOP: **No** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **14**
 LOTS Riders:

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Stop Inventory

Transfer Location:	Emmorton & Woodsdale	Heading:	135
Stop ID:	NA	Placement:	At Location
On Street:	WOODSDALE D	Speed:	25 mph
Cross Street:	WAWA\LIQUO	Travel Lanes:	2
Survey Date:	12/11/2018	Compliance Level:	No Improve



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	Harford LINK
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	HT 2, 2A		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	Parallel
Connect Curb?	NA	Detectable Warning:	No



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	Yes	Crosswalk OSFS:	Yes	Traffic Control CS:	NA
CR Connect CSAS:	NA	Crosswalk CSAS:	NA	Ped Control OS:	No
CR Connect CSOP:	NA	Crosswalk CSOP:	NA	Ped Control CS:	NA

Ridership and Improvements

MTA Ridership:

LOTS Riders: 2

Estimated Stop Improvement Cost:

\$4,200.00

BMC Transfer Study Location Profiles

Festival at Bel Air

LOTS: Harford Transit

MTA Bus Service: Commuter

Location Type: Commercial-Shopping

Number of Distinct Stops: 2



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	670	Detectable Warnings Needed:	0
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	No	Pedestrian Control:	Yes
Compliant Amenities:	Yes	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	12	Average Transfer Time:	0:39
Daily LOTS Stops:	28	<15 Minute Transfers:	7

Total Estimated Improvement Costs:

\$20,825.00

Festival at BelAir		
Harford County		
Required Improvements		
New sidewalk to be installed	670	\$16,750.00
New curb ramps	0	\$0.00
Detectable warning	1	\$75.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: HT LINK AC Moore Stop	Primary Owner:	Harford Transit Link
New Compliant Landing Pad	0	\$0.00
New Sign	0	\$0.00
Stop 2: MTA SB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
	Location Cost:	\$16,825.00
	Stop 1 Cost:	\$0.00
	Stop 2 Cost:	\$4,000.00
	Total Cost	\$20,825.00

BMC Transfer Study Stop Inventory

Transfer Location:	Festival at Bel Air	Heading:	340
Stop ID:	NA	Placement:	At Location
On Street:	FESTIVAL BEL AI	Speed:	10 mph
Cross Street:	AC MOORE	Travel Lanes:	2
Survey Date:	12/5/2018	Compliance Level:	Compliant



Bus Stop Sign

Number of Signs:	0	Stop Owner 1:	Harford LINK
Sign Installation:	Building	Stop Owner 2:	NA
Sign Height:	Less than 80"	Stop Owner 3:	NA
Route Info:	HT 2, 2A		



Approaching Stop

Shelters and Other Amenities

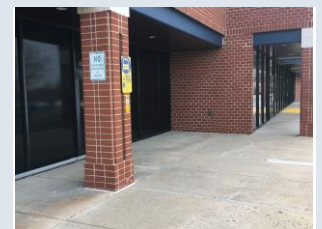
Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	Yes
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, unobstructed	Sidewalk Width:	8
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	No
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Perpendicular
Connect Curb?	Yes	Detectable Warning:	No



Departing Stop

Safety

CR Connect OSNS:	NA	Crosswalk OSNS:	NA	Traffic Control OS:	None
CR Connect OSFS:	NA	Crosswalk OSFS:	NA	Traffic Control CS:	NA
CR Connect CSAS:	NA	Crosswalk CSAS:	NA	Ped Control OS:	No
CR Connect CSOP:	NA	Crosswalk CSOP:	NA	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:

LOTS Riders: 2

Estimated Stop Improvement Cost:

\$0.00

BMC Transfer Study Stop Inventory

Transfer Location: **Festival at Bel Air** Heading: **180**

Stop ID: **NA** Placement: **Mid-block**

On Street: **EMMORTON RD** Speed: **40 mph**

Cross Street: **BELAIR SOUTH** Travel Lanes: **3**

Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **MTA Commuter Bus**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**

Sign Height: **80" or greater** Stop Owner 3: **NA**

Route Info: **MTA 410**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **No**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **No**



IMAGE
NOT AVAILABLE

Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **NA**

Material: **Concrete** Obstruction: **NA**

Surface Problem: **None** Land Buffer: **NA**

Obstruction: **None** Surface Problem: **NA**

Connect Sidewalk? **No** Curb Ramp: **None**

Connect Curb? **Yes** Detectable Warning: **NA**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **10**

LOTS Riders:

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Location Profiles

Greenbrier Shopping Center

LOTS: Harford Transit

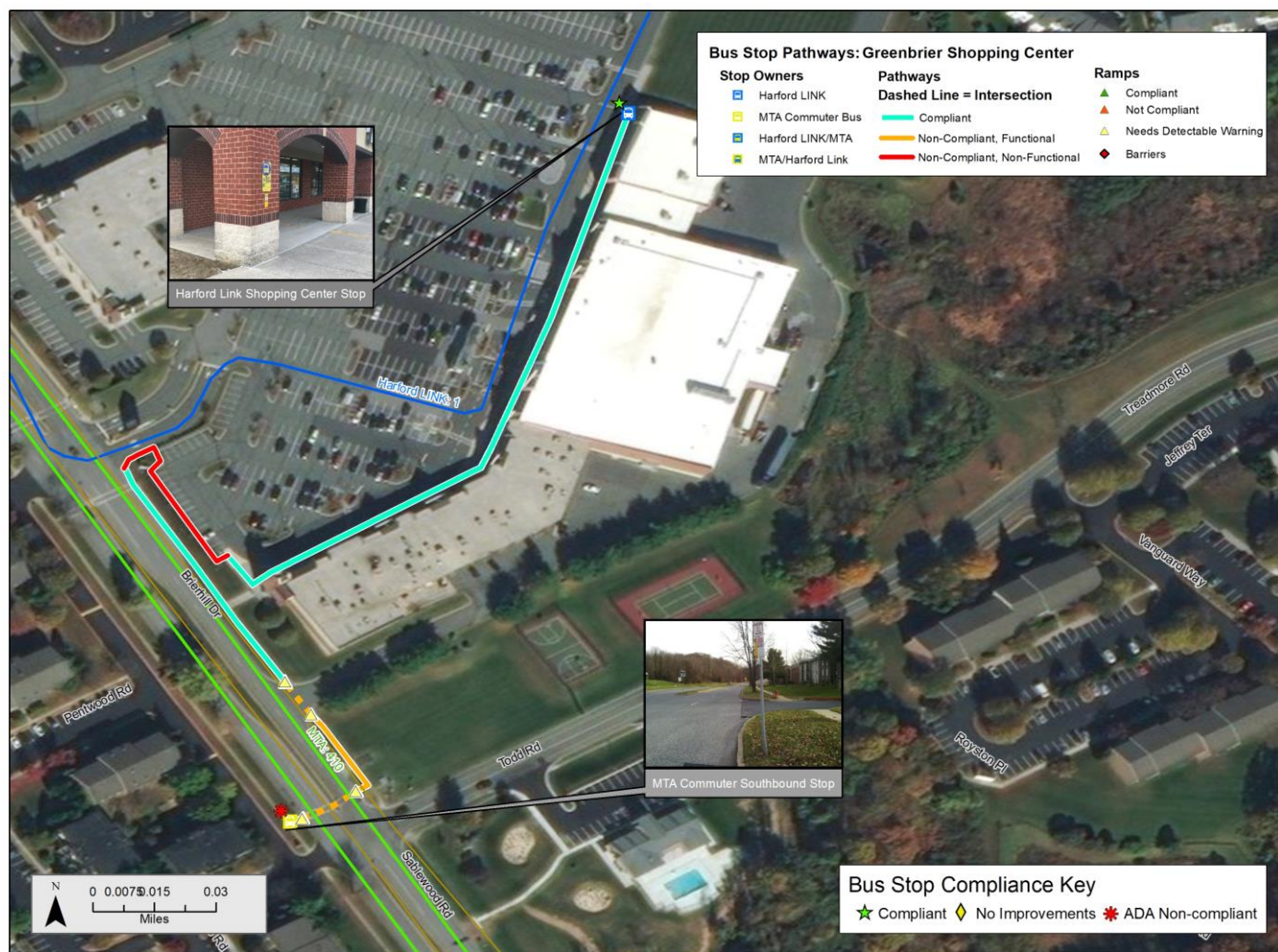
MTA Bus Service: Commuter

Location Type: Commercial-Shopping

Number of Distinct Stops: 2



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	228	Detectable Warnings Needed:	4
Signs with Non-Compliant Height:	0	Consolidate Signage?	No
New Signs Needed:	No	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	12	Average Transfer Time:	0:36
Daily LOTS Stops:	14	<15 Minute Transfers:	8

Total Estimated Improvement Costs:

\$10,000.00

Greenbrier Shopping Center		
Harford County		
Required Improvements		
New sidewalk to be installed	228	\$5,700.00
New curb ramps	0	\$0.00
Detectable warning	4	\$300.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: HT LINK AC Moore Stop	Primary Owner:	Harford Transit Link
New Compliant Landing Pad	0	\$0.00
New Sign	0	\$0.00
Stop 2: MTA SB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
	Location Cost:	\$6,000.00
	Stop 1 Cost:	\$0.00
	Stop 2 Cost:	\$4,000.00
	Total Cost	\$10,000.00

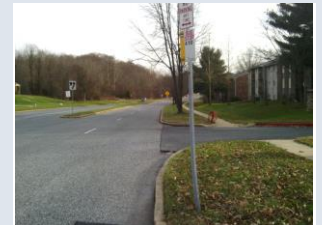
BMC Transfer Study Stop Inventory

Transfer Location:	Greenbrier Shopping Center	Heading:	150
Stop ID:	NA	Placement:	Nearside
On Street:	BRIERHILL DR	Speed:	35 mph
Cross Street:	TODD RD	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

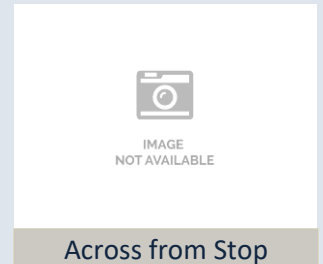
Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Traffic sign po	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 410		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	4
Material:	NA	Obstruction:	None
Surface Problem:	NA	Land Buffer:	Yes
Obstruction:	NA	Surface Problem:	None
Connect Sidewalk?	NA	Curb Ramp:	Perpendicular
Connect Curb?	NA	Detectable Warning:	No



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	Yes	Traffic Control OS:	None
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Stop sign
CR Connect CSAS:	Yes	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	Yes	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	11
LOTS Riders:	

Estimated Stop Improvement Cost:
\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location: Greenbrier Shopping Center Heading: 45
 Stop ID: NA Placement: At Location
 On Street: GREENBRIER PA Speed: 10 mph
 Cross Street: DOLLAR TREE Travel Lanes: 2
 Survey Date: 12/5/2018 Compliance Level: ADA Non-Com



Bus Stop Sign

Number of Signs: 1 Stop Owner 1: Harford LINK
 Sign Installation: Building Stop Owner 2: NA
 Sign Height: Less than 80" Stop Owner 3: NA
 Route Info: HT 1, 1A



Approaching Stop

Shelters and Other Amenities

Shelters: 0 Info Case: No
 Shelter Foundation: NA Info Case Accessible: NA
 Shelter Damage: NA Info Case Damage: NA
 Shelter Accessible? NA Digital Display? No
 Entrance Accessible? NA Route Schedule? No
 Interior Accessible? NA System Map? No
 Benches? 0 Route Map? No
 Bench Location: NA Trash Can? Yes
 Bench Damage: NA Publication Boxes? 0
 Bike Racks? No



Across from Stop

Accessibility

Landing Pad: Yes, unobstructed Sidewalk Width: 8
 Material: Concrete Obstruction: None
 Surface Problem: None Land Buffer: No
 Obstruction: None Surface Problem: None
 Connect Sidewalk? Yes Curb Ramp: Perpendicular
 Connect Curb? Yes Detectable Warning: No



Departing Stop

Safety

CR Connect OSNS: No Crosswalk OSNS: Yes Traffic Control OS: None
 CR Connect OSFS: No Crosswalk OSFS: Yes Traffic Control CS: None
 CR Connect CSAS: NA Crosswalk CSAS: NA Ped Control OS: No
 CR Connect CSOP: NA Crosswalk CSOP: NA Ped Control CS: No

Ridership and Improvements

MTA Ridership:
 LOTS Riders: 15

Estimated Stop Improvement Cost:
\$0.00

BMC Transfer Study Location Profiles

Havre de Grace McDonalds

LOTS: Harford Transit

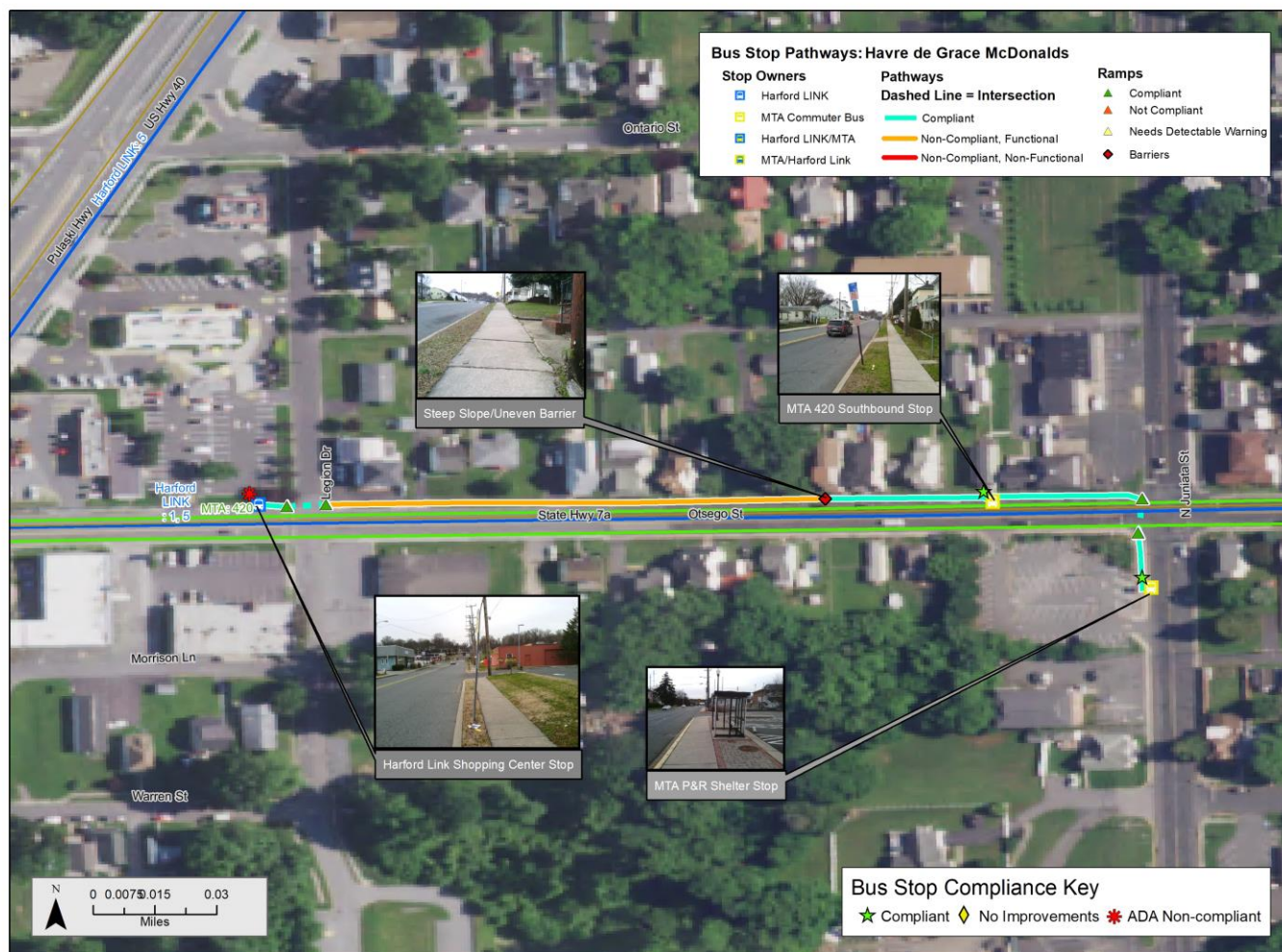
MTA Bus Service: Commuter

Location Type: Basic Bus Stop-Residential

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed: 1
Sidewalk (ft) to be installed/repaired: 495
Signs with Non-Compliant Height: 0
New Signs Needed: Yes
Compliant Amenities: No

Curb Ramps to Install: 0
Detectable Warnings Needed: 0
Consolidate Signage? Yes
Pedestrian Control: Yes
Traffic Control: Yes

Scheduling and Estimated Costs

Daily MTA Stops: 9
Daily LOTS Stops: 26
Average Transfer Time: 0:48
<15 Minute Transfers: 5

Total Estimated Improvement Costs:

\$31,775.00

Havre de Grace McDonalds		
Harford County		
Required Improvements		
New sidewalk to be installed	495	\$12,375.00
New curb ramps	0	\$0.00
Detectable warning	0	\$0.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: MTA NB Stop	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
New Shelter	1	\$15,000.00
New Information Case	1	\$500.00
Stop 2: MTA WB Stop	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
Stop 3: HT WB Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
	Location Cost:	\$12,375.00
	Stop 1 Cost:	\$15,200.00
	Stop 2 Cost:	\$200.00
	Stop 3 Cost:	\$4,000.00
	Total Cost	\$31,775.00

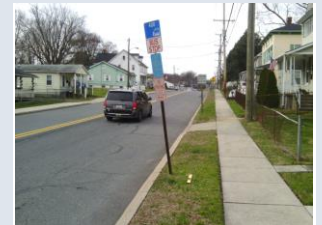
BMC Transfer Study Stop Inventory

Transfer Location:	Havre de Grace McDonalds	Heading:	270
Stop ID:	NA	Placement:	Mid-block
On Street:	OTSEGO ST	Speed:	25 mph
Cross Street	JUNIATA ST	Travel Lanes:	2
Survey Date:	12/5/2018	Compliance Level:	Compliant



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Traffic sign po	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, unobstructed	Sidewalk Width:	4
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	Yes
Obstruction:	None	Surface Problem:	Slope
Connect Sidewalk?	Yes	Curb Ramp:	None
Connect Curb?	Yes	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	Yes	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	Yes	Crosswalk CSAS:	Yes	Ped Control OS:	Yes
CR Connect CSOP:	Yes	Crosswalk CSOP:	No	Ped Control CS:	Yes

Ridership and Improvements

MTA Ridership:	7
LOTS Riders:	

Estimated Stop Improvement Cost:
\$15,200.00

BMC Transfer Study Stop Inventory

Transfer Location:	Havre de Grace McDonalds	Heading:	0
Stop ID:	NA	Placement:	Farside
On Street:	JUNIATA ST	Speed:	25 mph
Cross Street:	OTSEGO ST	Travel Lanes:	2
Survey Date:	12/5/2018	Compliance Level:	Compliant



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Light pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

Shelters:	1	Info Case:	No
Shelter Foundation:	Concrete	Info Case Accessible:	NA
Shelter Damage:	Loose	Info Case Damage:	NA
Shelter Accessible?	No	Digital Display?	No
Entrance Accessible?	Yes	Route Schedule?	No
Interior Accessible?	No	System Map?	No
Benches?	1	Route Map?	No
Bench Location:	Shelter	Trash Can?	No
Bench Damage:	None	Publication Boxes?	0
Bike Racks?	Yes		



Across from Stop

Accessibility

Landing Pad:	Yes, unobstructed	Sidewalk Width:	5
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	No
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Diagonal
Connect Curb?	Yes	Detectable Warning:	Yes



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	Yes	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	Yes	Crosswalk CSAS:	No	Ped Control OS:	Yes
CR Connect CSOP:	Yes	Crosswalk CSOP:	No	Ped Control CS:	Yes

Ridership and Improvements

MTA Ridership: 4
LOTS Riders:

Estimated Stop Improvement Cost:
\$500.00

BMC Transfer Study Stop Inventory

Transfer Location:	Havre de Grace McDonalds	Heading:	270
Stop ID:	NA	Placement:	Farside
On Street:	OTSEGO ST	Speed:	25 mph
Cross Street	LEGION DR	Travel Lanes:	2
Survey Date:	12/5/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	Harford LINK
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	HT 1A, 1		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	Yes
Shelter Foundation:	NA	Info Case Accessible:	Accessible
Shelter Damage	NA	Info Case Damage:	None
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	Yes
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	4
Material:	NA	Obstruction:	None
Surface Problem:	NA	Land Buffer:	Yes
Obstruction:	NA	Surface Problem:	None
Connect Sidewalk?	NA	Curb Ramp:	Diagonal
Connect Curb?	NA	Detectable Warning:	Yes



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	Yes	Crosswalk OSFS:	Yes	Traffic Control CS:	Stop sign
CR Connect CSAS:	Yes	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	Yes	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	
LOTS Riders:	10

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Location Profiles

Joppatowne Plaza

LOTS: Harford Transit

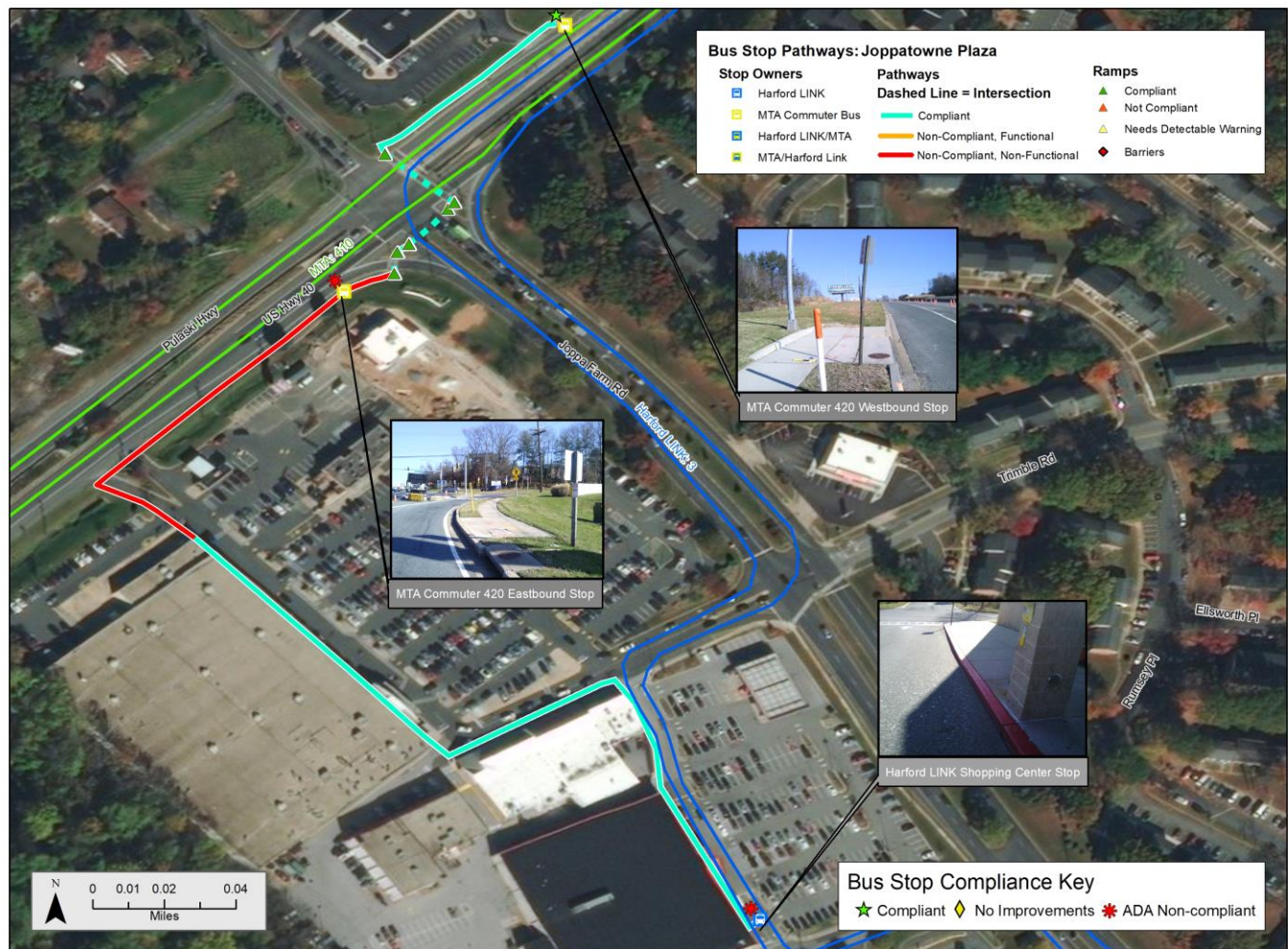
MTA Bus Service: Commuter

Location Type: Shopping Center

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	584	Detectable Warnings Needed:	0
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:38
Daily LOTS Stops:	15	<15 Minute Transfers:	4

Total Estimated Improvement Costs:

\$23,100.00

Joppatowne Plaza		
Harford County		
Required Improvements		
New sidewalk to be installed	584	\$14,600.00
New curb ramps	0	\$0.00
Detectable warning	0	\$0.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	1	\$300.00
Stop 1: MTA NB Stop	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 2: MTA SB Stop	Primary Owner:	MTA Commuter Bus
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 3: HT WB Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	0	\$0.00
New Sign	0	\$0.00
	Location Cost:	\$14,900.00
	Stop 1 Cost:	\$4,200.00
	Stop 2 Cost:	\$4,000.00
	Stop 3 Cost:	\$0.00
	Total Cost	\$23,100.00

BMC Transfer Study Stop Inventory

Transfer Location:	Joppatowne Plaza	Heading:	225
Stop ID:	NA	Placement:	Mid-block
On Street:	US 40	Speed:	50 mph
Cross Street:	JOPPA FARM R	Travel Lanes:	4
Survey Date:	12/11/2018	Compliance Level:	Compliant



Bus Stop Sign

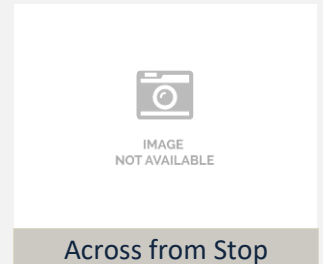
Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, obstructed	Sidewalk Width:	5
Material:	Concrete	Obstruction:	None
Surface Problem:	Catch basin	Land Buffer:	Yes
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Perpendicular
Connect Curb?	Yes	Detectable Warning:	Yes



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	Yes	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	No	Crosswalk CSAS:	NA	Ped Control OS:	Yes
CR Connect CSOP:	Yes	Crosswalk CSOP:	Yes	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	12
LOTS Riders:	

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Stop Inventory

Transfer Location:	Joppatowne Plaza	Heading:	45
Stop ID:	NA	Placement:	Nearside
On Street:	US 40	Speed:	50 mph
Cross Street	JOPPA FARM R	Travel Lanes:	4
Survey Date:	12/11/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

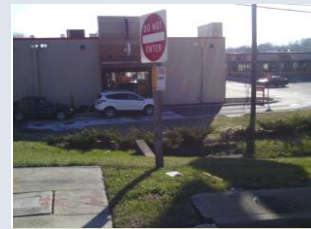
Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Traffic sign po	Stop Owner 2:	NA
Sign Height:	Less than 80"	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, obstructed	Sidewalk Width:	4
Material:	Concrete	Obstruction:	None
Surface Problem:	Uneven Pavem	Land Buffer:	Yes
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Perpendicular
Connect Curb?	Yes	Detectable Warning:	Yes



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	Yes	Crosswalk OSFS:	Yes	Traffic Control CS:	Traffic light
CR Connect CSAS:	Yes	Crosswalk CSAS:	Yes	Ped Control OS:	Yes
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	16
LOTS Riders:	

Estimated Stop Improvement Cost:
\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location: Joppatowne Plaza Heading: 100
 Stop ID: NA Placement: At Location
 On Street: REDNERS PARKI Speed: 10 mph
 Cross Street: @ JOPPATOW Travel Lanes: 2
 Survey Date: 12/11/2018 Compliance Level: ADA Non-Com



Bus Stop Sign

Number of Signs: 1 Stop Owner 1: Harford LINK
 Sign Installation: Building Stop Owner 2: NA
 Sign Height: Less than 80" Stop Owner 3: NA
 Route Info: HT 2, 2A



Approaching Stop

Shelters and Other Amenities

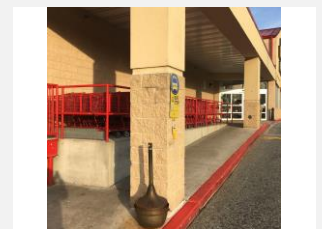
Shelters: 0 Info Case: No
 Shelter Foundation: NA Info Case Accessible: NA
 Shelter Damage: NA Info Case Damage: NA
 Shelter Accessible? NA Digital Display? No
 Entrance Accessible? NA Route Schedule? No
 Interior Accessible? NA System Map? No
 Benches? 0 Route Map? No
 Bench Location: NA Trash Can? No
 Bench Damage: NA Publication Boxes? 0
 Bike Racks? No



Across from Stop

Accessibility

Landing Pad: Yes, unobstructed Sidewalk Width: 10
 Material: Concrete Obstruction: None
 Surface Problem: None Land Buffer: No
 Obstruction: None Surface Problem: None
 Connect Sidewalk? Yes Curb Ramp: None
 Connect Curb? Yes Detectable Warning: NA



Departing Stop

Safety

CR Connect OSNS: No Crosswalk OSNS: No Traffic Control OS: None
 CR Connect OSFS: No Crosswalk OSFS: No Traffic Control CS: None
 CR Connect CSAS: NA Crosswalk CSAS: NA Ped Control OS: No
 CR Connect CSOP: NA Crosswalk CSOP: NA Ped Control CS: No

Ridership and Improvements

MTA Ridership:
 LOTS Riders: 3

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Location Profiles

Union & Pennington

LOTS: Harford Transit

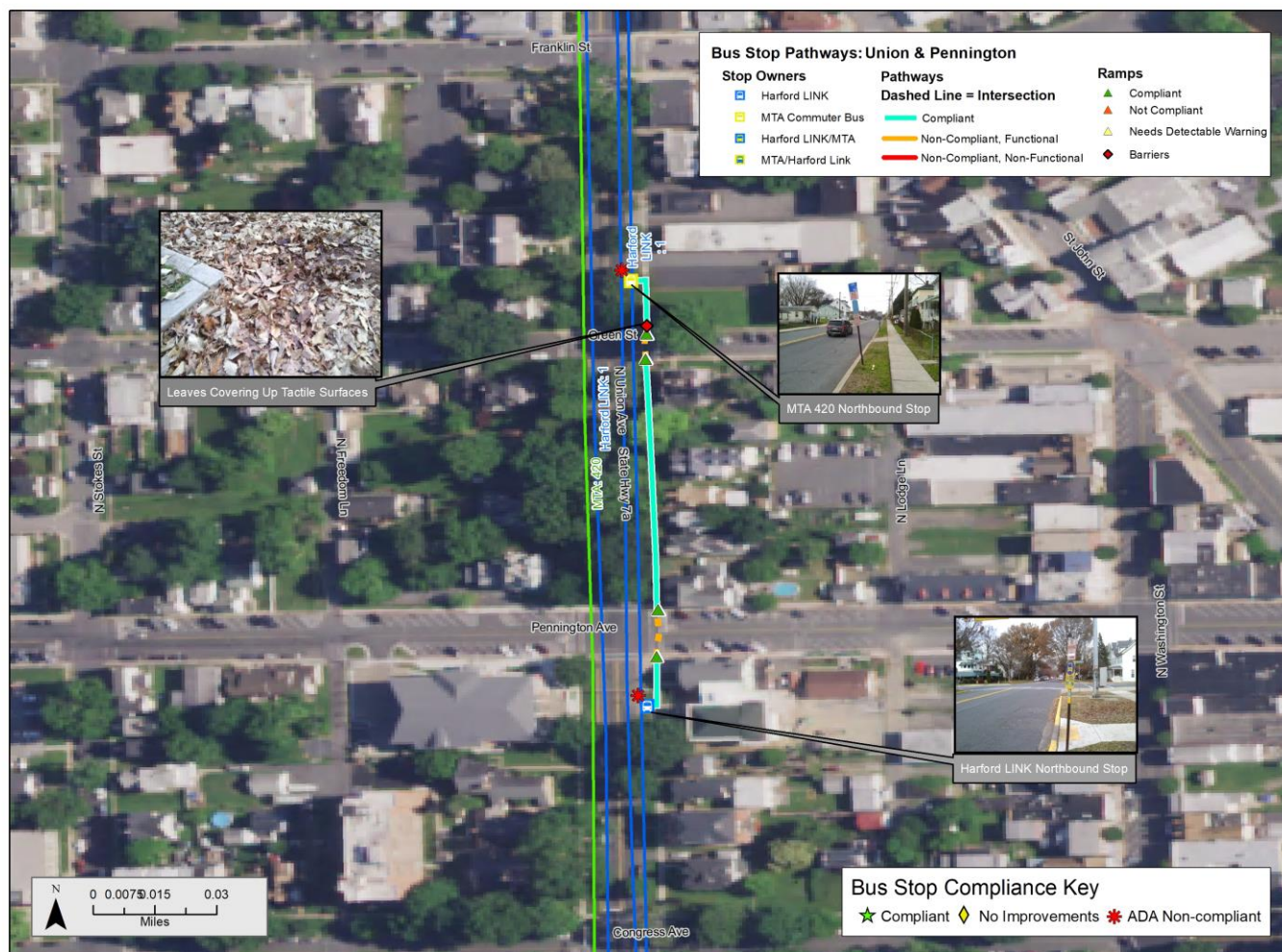
MTA Bus Service: Commuter

Location Type: Basic Bus Stop-Residential

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	0	Detectable Warnings Needed:	0
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:36
Daily LOTS Stops:	28	<15 Minute Transfers:	9

Total Estimated Improvement Costs:

\$19,400.00

Union & Pennington		
Harford County		
Required Improvements		
New sidewalk to be installed	0	\$0.00
New curb ramps	0	\$0.00
Detectable warning	0	\$0.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: Harford Link Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 2: MTA Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
	Location Cost:	\$0.00
	Stop 1 Cost:	\$4,200.00
	Stop 2 Cost:	\$4,200.00
	Total Cost	\$8,400.00

BMC Transfer Study Stop Inventory

Transfer Location: **Union & Pennington** Heading: **0**

Stop ID: **NA** Placement: **Farside**

On Street: **UNION AVE** Speed: **25 mph**

Cross Street: **GREEN ST** Travel Lanes: **2**

Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **MTA Commuter Bus**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **MTA 420**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **No**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **None** Sidewalk Width: **5**

Material: **NA** Obstruction: **None**

Surface Problem: **NA** Land Buffer: **Yes**

Obstruction: **NA** Surface Problem: **Vegetation**

Connect Sidewalk? **NA** Curb Ramp: **Perpendicular**

Connect Curb? **NA** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **No** Crosswalk OSNS: **Yes** Traffic Control OS: **None**

CR Connect OSFS: **Yes** Crosswalk OSFS: **No** Traffic Control CS: **Stop sign**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **No**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **No**

Ridership and Improvements

MTA Ridership: **1**

LOTS Riders:

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Stop Inventory

Transfer Location: **Union & Pennington** Heading: **0**

Stop ID: **NA** Placement: **Nearside**

On Street: **UNION AVE** Speed: **25 mph**

Cross Street: **PENNINGTON** Travel Lanes: **2**

Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **1** Stop Owner 1: **Harford LINK**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **NA**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **HT 1A, 1, 7**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

Interior Accessible? **NA** System Map? **No**

Benches? **1** Route Map? **No**

Bench Location: **Freestanding** Trash Can? **Yes**

Bench Damage: **None** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **None** Sidewalk Width: **5**

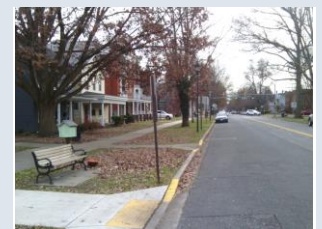
Material: **NA** Obstruction: **None**

Surface Problem: **NA** Land Buffer: **Yes**

Obstruction: **NA** Surface Problem: **None**

Connect Sidewalk? **NA** Curb Ramp: **Perpendicular**

Connect Curb? **NA** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **None**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Stop sign**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **No**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **No**

Ridership and Improvements

MTA Ridership:

LOTS Riders: **8**

Estimated Stop Improvement Cost:

\$4,200.00

BMC Transfer Study Location Profiles

US 40 & BATA

LOTS: Harford Transit

MTA Bus Service: Commuter

Location Type: Basic Bus Stop-Commercial

Number of Distinct Stops: 2



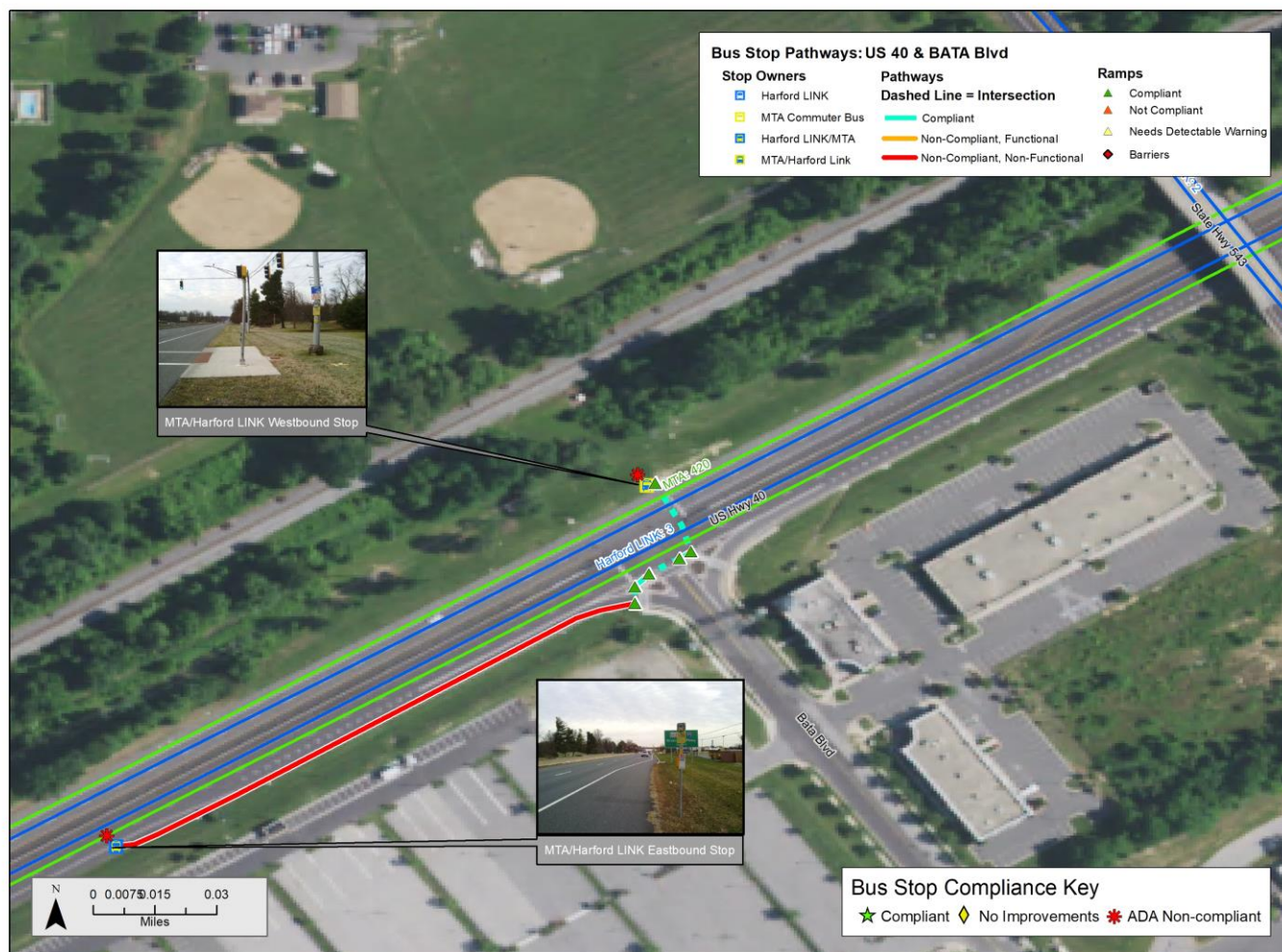
**BALTIMORE
METROPOLITAN
COUNCIL**



MTA
Maryland



Link



Compliance Overview

Landing Pads Needed:	2	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	600	Detectable Warnings Needed:	0
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	Yes
Compliant Amenities:	NA	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:36
Daily LOTS Stops:	30	<15 Minute Transfers:	8

Total Estimated Improvement Costs:

\$24,715.00

US 40 & BATA		
Harford County		
Required Improvements		
New sidewalk to be installed	600	\$15,000.00
New curb ramps	0	\$0.00
Detectable warning	0	\$0.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: HT/MTA EB Stop	Primary Owner:	Harford LINK
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 2: HT/MTA WB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
	Location Cost:	\$15,000.00
	Stop 1 Cost:	\$4,200.00
	Stop 2 Cost:	\$200.00
	Total Cost	\$19,400.00

BMC Transfer Study Stop Inventory

Transfer Location:	US 40 & BATA	Heading:	230
Stop ID:	NA	Placement:	Nearside
On Street:	US 40	Speed:	55 mph
Cross Street:	BATA BLVD	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

Number of Signs:	2	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Traffic light p	Stop Owner 2:	Harford LINK
Sign Height:	Less than 80"	Stop Owner 3:	NA
Route Info:	MTA 420, HT 6A, 8		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, unobstructed	Sidewalk Width:	8
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	No
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Perpendicular
Connect Curb?	Yes	Detectable Warning:	Yes



Departing Stop

Safety

CR Connect OSNS:	Yes	Crosswalk OSNS:	Yes	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	NA	Crosswalk CSAS:	NA	Ped Control OS:	Yes
CR Connect CSOP:	Yes	Crosswalk CSOP:	Yes	Ped Control CS:	Yes

Ridership and Improvements

MTA Ridership:	2
LOTS Riders:	0

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Stop Inventory

Transfer Location: **US 40 & BATA** Heading: **60**

Stop ID: **NA** Placement: **At Location**

On Street: **US 40** Speed: **55 mph**

Cross Street: **BOOZ ALLEN** Travel Lanes: **4**

Survey Date: **12/5/2018** Compliance Level: **ADA Non-Com**



Bus Stop Sign

Number of Signs: **2** Stop Owner 1: **Harford LINK**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **MTA Commuter Bus**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **MTA 420, HT 6A, 8**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

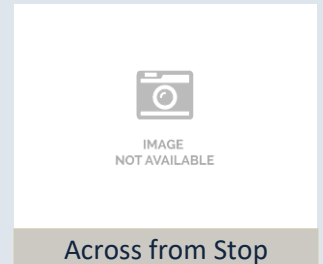
Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **No**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **Yes**



Across from Stop

Accessibility

Landing Pad: **None** Sidewalk Width: **NA**

Material: **NA** Obstruction: **NA**

Surface Problem: **NA** Land Buffer: **NA**

Obstruction: **NA** Surface Problem: **NA**

Connect Sidewalk? **NA** Curb Ramp: **None**

Connect Curb? **NA** Detectable Warning: **NA**



Departing Stop

Safety

CR Connect OSNS: **No** Crosswalk OSNS: **No** Traffic Control OS: **Traffic light**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**

CR Connect CSOP: **NA** Crosswalk CSOP: **NA** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **4**

LOTS Riders: **1**

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Location Profiles

US 40 & Long Bar Harbor

LOTS: Harford Transit

MTA Bus Service: Commuter

Location Type: Basic Bus Stop-Commercial

Number of Distinct Stops: 2



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	3	Curb Ramps to Install:	3
Sidewalk (ft) to be installed/repaired:	160	Detectable Warnings Needed:	3
Signs with Non-Compliant Height:	1	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:32
Daily LOTS Stops:	30	<15 Minute Transfers:	8

Total Estimated Improvement Costs:

\$15,475.00

US 40 & Long Bar Harbor		
Harford County		
Required Improvements		
New sidewalk to be installed	160	\$4,000.00
New curb ramps	3	\$10,500.00
Detectable warning	3	\$225.00
Enhanced Improvements		
Pedestrian Control	2	\$1,390.00
Crosswalk	2	\$600.00
Stop 1: HT EB Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 2: MTA EB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 3: MTA/HT WB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
	Location Cost:	\$16,715.00
	Stop 1 Cost:	\$4,000.00
	Stop 2 Cost:	\$4,000.00
	Stop 3 Cost:	\$4,200.00
	Total Cost	\$24,715.00

BMC Transfer Study Stop Inventory

Transfer Location:	US 40 & Long Bar Harbor	Heading:	60
Stop ID:	NA	Placement:	Farside
On Street:	US 40	Speed:	55 mph
Cross Street:	LONG BAR HAR	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	No Improve



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	Harford LINK
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	HT 6A, 8		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



IMAGE NOT AVAILABLE

Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:

LOTS Riders: 4

Estimated Stop Improvement Cost:

\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location:	US 40 & Long Bar Harbor	Heading:	60
Stop ID:	NA	Placement:	Nearside
On Street:	US 40	Speed:	55 mph
Cross Street:	LONG BAR HAR	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	No Improvement



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Light pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage:	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



IMAGE NOT AVAILABLE

Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	1
LOTS Riders:	

Estimated Stop Improvement Cost:
\$4,000.00

BMC Transfer Study Stop Inventory

Transfer Location:	US 40 & Long Bar Harbor	Heading:	230
Stop ID:	NA	Placement:	Nearside
On Street:	US 40	Speed:	55 mph
Cross Street	LONG BAR HAR	Travel Lanes:	4
Survey Date:	12/5/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

Number of Signs:	2	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Bus Stop Pole	Stop Owner 2:	Harford LINK
Sign Height:	Less than 80"	Stop Owner 3:	NA
Route Info:	MTA 420, HT 6A, 8		



Approaching Stop

Shelters and Other Amenities

Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	None	Sidewalk Width:	NA
Material:	NA	Obstruction:	NA
Surface Problem:	NA	Land Buffer:	NA
Obstruction:	NA	Surface Problem:	NA
Connect Sidewalk?	NA	Curb Ramp:	None
Connect Curb?	NA	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	Traffic light
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Traffic light
CR Connect CSAS:	No	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	No	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	2
LOTS Riders:	2

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Location Profiles

US 40 & Paul Martin

LOTS: Harford Transit

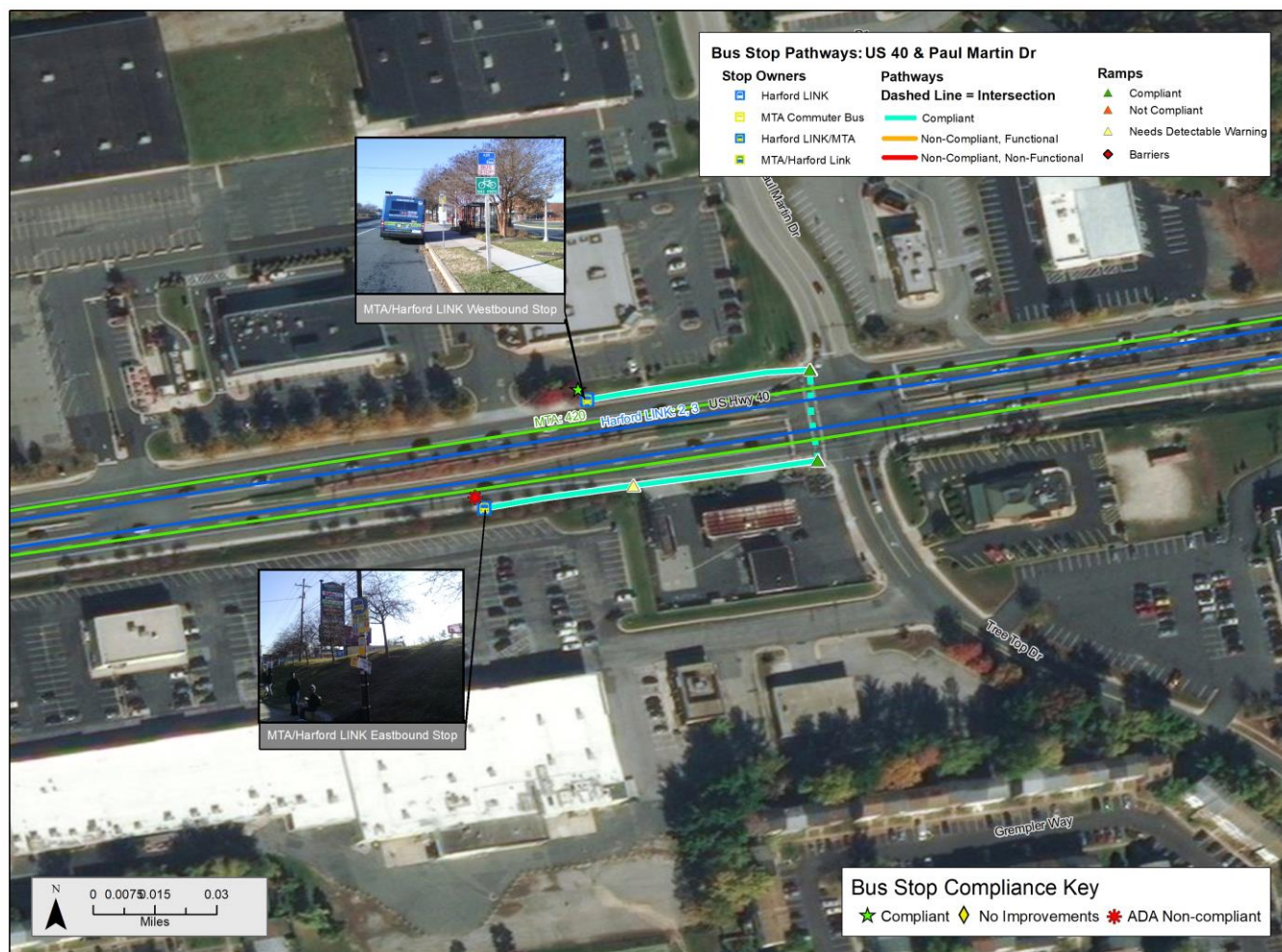
MTA Bus Service: Commuter

Location Type: Transit Center-Shopping Center

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	0	Curb Ramps to Install:	0
Sidewalk (ft) to be installed/repaired:	0	Detectable Warnings Needed:	1
Signs with Non-Compliant Height:	1	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	Yes
Compliant Amenities:	NA	Traffic Control:	Yes

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:34
Daily LOTS Stops:	30	<15 Minute Transfers:	19

Total Estimated Improvement Costs:

\$13,670.00

US 40 & Paul Martin		
Harford County		
Required Improvements		
New sidewalk to be installed	0	\$0.00
New curb ramps	0	\$0.00
Detectable warning	1	\$75.00
Enhanced Improvements		
Pedestrian Control	0	\$0.00
Crosswalk	0	\$0.00
Stop 1: HT/MTA WB Stop	Primary Owner:	Harford LINK
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
New Shelter	1	\$15,000.00
Stop 2: HT/MTA EB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
	Location Cost:	\$75.00
	Stop 1 Cost:	\$15,200.00
	Stop 2 Cost:	\$200.00
	Total Cost	\$15,475.00

BMC Transfer Study Stop Inventory

Transfer Location: **US 40 & Paul Martin** Heading: **90**

Stop ID: **NA** Placement: **Nearside**

On Street: **US 40** Speed: **45 mph**

Cross Street: **TREETOP DR** Travel Lanes: **4**

Survey Date: **12/11/2018** Compliance Level: **ADA Non-Com**



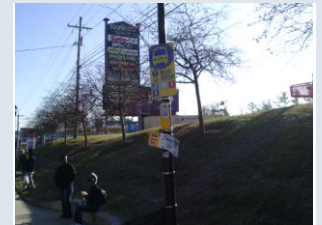
Bus Stop Sign

Number of Signs: **2** Stop Owner 1: **Harford LINK**

Sign Installation: **Light pole** Stop Owner 2: **MTA Commuter Bus**

Sign Height: **Less than 80"** Stop Owner 3: **NA**

Route Info: **HT 2, 2A, 5, 6**



Approaching Stop

Shelters and Other Amenities

Shelters: **0** Info Case: **No**

Shelter Foundation: **NA** Info Case Accessible: **NA**

Shelter Damage: **NA** Info Case Damage: **NA**

Shelter Accessible? **NA** Digital Display? **No**

Entrance Accessible? **NA** Route Schedule? **No**

Interior Accessible? **NA** System Map? **No**

Benches? **0** Route Map? **No**

Bench Location: **NA** Trash Can? **Yes**

Bench Damage: **NA** Publication Boxes? **0**

Bike Racks? **No**



Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **4**

Material: **Concrete** Obstruction: **None**

Surface Problem: **None** Land Buffer: **No**

Obstruction: **None** Surface Problem: **None**

Connect Sidewalk? **Yes** Curb Ramp: **Perpendicular**

Connect Curb? **Yes** Detectable Warning: **No**



Departing Stop

Safety

CR Connect OSNS: **Yes** Crosswalk OSNS: **Yes** Traffic Control OS: **Traffic light**

CR Connect OSFS: **No** Crosswalk OSFS: **No** Traffic Control CS: **Traffic light**

CR Connect CSAS: **Yes** Crosswalk CSAS: **No** Ped Control OS: **Yes**

CR Connect CSOP: **Yes** Crosswalk CSOP: **No** Ped Control CS: **No**

Ridership and Improvements

MTA Ridership: **9**

LOTS Riders: **16**

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Stop Inventory

Transfer Location: **US 40 & Paul Martin** Heading: **270**

Stop ID: **NA** Placement: **Farside**

On Street: **US 40** Speed: **45 mph**

Cross Street: **PAUL MARTIN** Travel Lanes: **4**

Survey Date: **12/11/2018** Compliance Level: **Compliant**



Bus Stop Sign

Number of Signs: **2** Stop Owner 1: **Harford LINK**

Sign Installation: **Bus Stop Pole** Stop Owner 2: **MTA Commuter Bus**

Sign Height: **80" or greater** Stop Owner 3: **NA**

Route Info: **MTA 420, HT 2, 2A, 5, 6A, 8**



Approaching Stop

Shelters and Other Amenities

Shelters: **1** Info Case: **Yes**

Shelter Foundation: **Concrete** Info Case Accessible: **Accessible**

Shelter Damage: **Panel** Info Case Damage: **None**

Shelter Accessible? **Yes** Digital Display? **No**

Entrance Accessible? **Yes** Route Schedule? **Yes**

Interior Accessible? **Yes** System Map? **No**

Benches? **1** Route Map? **No**

Bench Location: **Shelter** Trash Can? **Yes**

Bench Damage: **Graffiti** Publication Boxes? **2**

Bike Racks? **No**



IMAGE
NOT AVAILABLE

Across from Stop

Accessibility

Landing Pad: **Yes, unobstructed** Sidewalk Width: **5**

Material: **Concrete** Obstruction: **None**

Surface Problem: **None** Land Buffer: **Yes**

Obstruction: **None** Surface Problem: **None**

Connect Sidewalk? **Yes** Curb Ramp: **Diagonal**

Connect Curb? **Yes** Detectable Warning: **Yes**



Departing Stop

Safety

CR Connect OSNS: **No** Crosswalk OSNS: **No** Traffic Control OS: **Traffic light**

CR Connect OSFS: **Yes** Crosswalk OSFS: **Yes** Traffic Control CS: **Traffic light**

CR Connect CSAS: **Yes** Crosswalk CSAS: **Yes** Ped Control OS: **Yes**

CR Connect CSOP: **Yes** Crosswalk CSOP: **Yes** Ped Control CS: **Yes**

Ridership and Improvements

MTA Ridership: **17**

LOTS Riders: **16**

Estimated Stop Improvement Cost:
\$15,200.00

BMC Transfer Study Location Profiles

US 40 & Plater

LOTS: Harford Transit

MTA Bus Service: Commuter

Location Type: Basic Bus Stop-Mixed Use

Number of Distinct Stops: 2



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	2
Sidewalk (ft) to be installed/repaired:	0	Detectable Warnings Needed:	2
Signs with Non-Compliant Height:	2	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	1:09
Daily LOTS Stops:	6	<15 Minute Transfers:	NA

Total Estimated Improvement Costs:

\$12,075.00

US 40 & Plater		
Harford County		
Required Improvements		
New sidewalk to be installed	0	\$0.00
New curb ramps	0	\$0.00
Detectable warning	1	\$75.00
Enhanced Improvements		
Pedestrian Control	1	\$695.00
Crosswalk	1	\$300.00
Stop 1: HT NB Stop	Primary Owner:	Harford LINK
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 2: MTA WB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
Stop 3: MTA WB Stop	Primary Owner:	Unknown
New Compliant Landing Pad	1	\$4,000.00
New Sign	1	\$200.00
	Location Cost:	\$1,070.00
	Stop 1 Cost:	\$4,200.00
	Stop 2 Cost:	\$4,200.00
	Stop 3 Cost:	\$4,200.00
	Total Cost	\$13,670.00

BMC Transfer Study Stop Inventory

Transfer Location: US 40 & Plater Heading: 30

Stop ID: NA Placement: Nearside

On Street: PARKE ST Speed: 25 mph

Cross Street: PLATER ST Travel Lanes: 2

Survey Date: 12/5/2018 Compliance Level: ADA Non-Com



Bus Stop Sign

Number of Signs: 1 Stop Owner 1: Harford LINK

Sign Installation: Traffic sign po Stop Owner 2: NA

Sign Height: Less than 80" Stop Owner 3: NA

Route Info: HT 4



Approaching Stop

Shelters and Other Amenities

Shelters: 0 Info Case: No

Shelter Foundation: NA Info Case Accessible: NA

Shelter Damage: NA Info Case Damage: NA

Shelter Accessible? NA Digital Display? No

Entrance Accessible? NA Route Schedule? No

Interior Accessible? NA System Map? No

Benches? 0 Route Map? No

Bench Location: NA Trash Can? Yes

Bench Damage: NA Publication Boxes? 0

Bike Racks? No



Across from Stop

Accessibility

Landing Pad: Yes, <5'x8' Sidewalk Width: 4

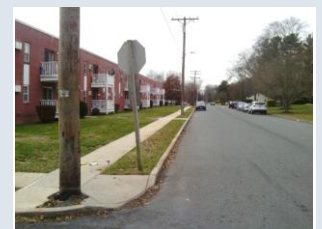
Material: Concrete Obstruction: None

Surface Problem: None Land Buffer: No

Obstruction: None Surface Problem: None

Connect Sidewalk? Yes Curb Ramp: Perpendicular

Connect Curb? Yes Detectable Warning: NA



Departing Stop

Safety

CR Connect OSNS: No Crosswalk OSNS: No Traffic Control OS: Stop sign

CR Connect OSFS: No Crosswalk OSFS: No Traffic Control CS: Stop sign

CR Connect CSAS: No Crosswalk CSAS: No Ped Control OS: No

CR Connect CSOP: No Crosswalk CSOP: No Ped Control CS: No

Ridership and Improvements

MTA Ridership:

LOTS Riders: 1

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Stop Inventory

Transfer Location: US 40 & Plater Heading: 210
 Stop ID: NA Placement: Nearside
 On Street: S PHILADELPHIA Speed: 25 mph
 Cross Street: PLATER ST Travel Lanes: 1
 Survey Date: 12/5/2018 Compliance Level: ADA Non-Com



Bus Stop Sign

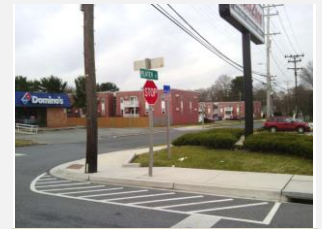
Number of Signs: 1 Stop Owner 1: MTA Commuter Bus
 Sign Installation: Bus Stop Pole Stop Owner 2: NA
 Sign Height: 80" or greater Stop Owner 3: NA
 Route Info: MTA 420



Approaching Stop

Shelters and Other Amenities

Shelters: 0 Info Case: No
 Shelter Foundation: NA Info Case Accessible: NA
 Shelter Damage: NA Info Case Damage: NA
 Shelter Accessible? NA Digital Display? No
 Entrance Accessible? NA Route Schedule? No
 Interior Accessible? NA System Map? No
 Benches? 0 Route Map? No
 Bench Location: NA Trash Can? No
 Bench Damage: NA Publication Boxes? 0
 Bike Racks? No



Across from Stop

Accessibility

Landing Pad: No, sidewalk Sidewalk Width: 4
 Material: Concrete Obstruction:
 Surface Problem: None Land Buffer: No
 Obstruction: None Surface Problem: None
 Connect Sidewalk? Yes Curb Ramp: Perpendicular
 Connect Curb? Yes Detectable Warning: Yes



Departing Stop

Safety

CR Connect OSNS: No Crosswalk OSNS: No Traffic Control OS: Stop sign
 CR Connect OSFS: No Crosswalk OSFS: No Traffic Control CS: Stop sign
 CR Connect CSAS: Yes Crosswalk CSAS: No Ped Control OS: No
 CR Connect CSOP: No Crosswalk CSOP: No Ped Control CS: No

Ridership and Improvements

MTA Ridership: 1
 LOTS Riders:

Estimated Stop Improvement Cost:
\$4,200.00

BMC Transfer Study Location Profiles

Woodbridge Shopping Center

LOTS: Harford Transit

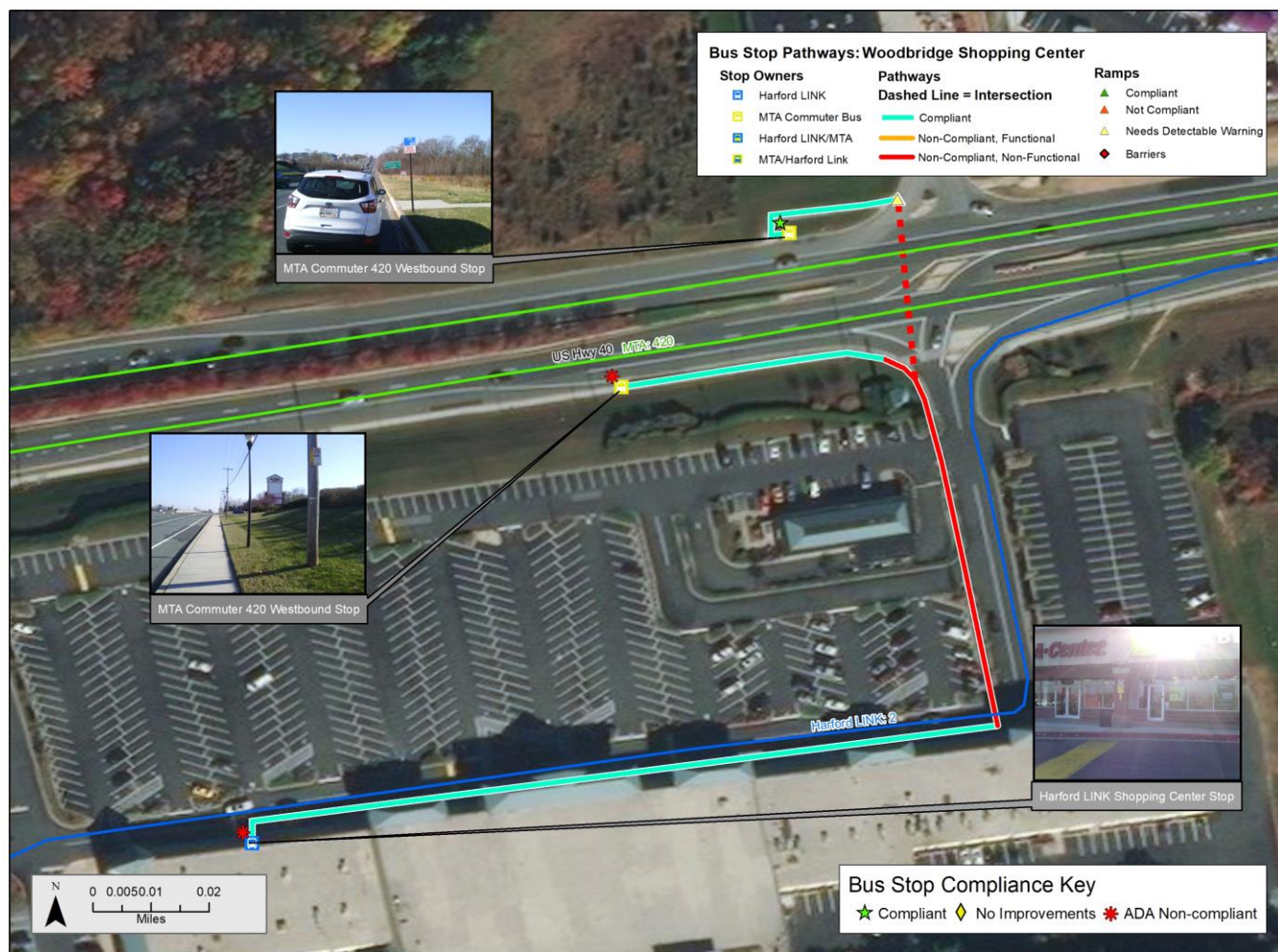
MTA Bus Service: Commuter

Location Type: Commercial-Shopping Center

Number of Distinct Stops: 3



**BALTIMORE
METROPOLITAN
COUNCIL**



Compliance Overview

Landing Pads Needed:	1	Curb Ramps to Install:	2
Sidewalk (ft) to be installed/repaired:	348	Detectable Warnings Needed:	2
Signs with Non-Compliant Height:	0	Consolidate Signage?	Yes
New Signs Needed:	Yes	Pedestrian Control:	No
Compliant Amenities:	NA	Traffic Control:	No

Scheduling and Estimated Costs

Daily MTA Stops:	9	Average Transfer Time:	0:35
Daily LOTS Stops:	30	<15 Minute Transfers:	13

Total Estimated Improvement Costs:

\$21,125.00

Woodbridge Shopping Center

Harford County

Required Improvements		
New sidewalk to be installed	348	\$8,700.00
New curb ramps	2	\$7,000.00
Detectable warning	2	\$150.00
Enhanced Improvements		
Pedestrian Control	1	\$695.00
Crosswalk	1	\$300.00
Stop 1: MTA WB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	0	\$0.00
New Sign	0	\$0.00
Stop 2: MTA EB Stop	Primary Owner:	MTA Commuter
New Compliant Landing Pad	1	\$4,000.00
New Sign	0	\$0.00
Stop 3: HT Shopping Center Stop	Primary Owner:	Harford Transit
New Compliant Landing Pad	0	\$0.00
New Sign	1	\$200.00
	Location Cost:	\$16,845.00
	Stop 1 Cost:	\$0.00
	Stop 2 Cost:	\$4,000.00
	Stop 3 Cost:	\$200.00
	Total Cost	\$21,045.00

BMC Transfer Study Stop Inventory

Transfer Location: Woodbridge Shopping Center Heading: 90
 Stop ID: NA Placement: At Location
 On Street: WOODBRIDGE Speed: 10 mph
 Cross Street: RENT A CENTE Travel Lanes: 2
 Survey Date: 12/11/2018 Compliance Level: ADA Non-Com



Bus Stop Sign

Number of Signs: 1 Stop Owner 1: Harford LINK
 Sign Installation: Building Stop Owner 2: NA
 Sign Height: Less than 80" Stop Owner 3: NA
 Route Info: HT 5



Approaching Stop

Shelters and Other Amenities

Shelters: 0 Info Case: No
 Shelter Foundation: NA Info Case Accessible: NA
 Shelter Damage: NA Info Case Damage: None
 Shelter Accessible? NA Digital Display? No
 Entrance Accessible? NA Route Schedule? No
 Interior Accessible? NA System Map? No
 Benches? 1 Route Map? No
 Bench Location: Freestanding Trash Can? Yes
 Bench Damage: None Publication Boxes? 0
 Bike Racks? No



Across from Stop

Accessibility

Landing Pad: Yes, unobstructed Sidewalk Width: 10
 Material: Concrete Obstruction: None
 Surface Problem: None Land Buffer: No
 Obstruction: None Surface Problem: None
 Connect Sidewalk? Yes Curb Ramp: None
 Connect Curb? Yes Detectable Warning: NA



Departing Stop

Safety

CR Connect OSNS: NA Crosswalk OSNS: NA Traffic Control OS: None
 CR Connect OSFS: NA Crosswalk OSFS: Yes Traffic Control CS: None
 CR Connect CSAS: NA Crosswalk CSAS: NA Ped Control OS: No
 CR Connect CSOP: NA Crosswalk CSOP: NA Ped Control CS: No

Ridership and Improvements

MTA Ridership:
 LOTS Riders: 1

Estimated Stop Improvement Cost:
\$200.00

BMC Transfer Study Stop Inventory

Transfer Location:	Woodbridge Shopping Center	Heading:	90
Stop ID:	NA	Placement:	At Location
On Street:	US 40	Speed:	45 mph
Cross Street	@ WOODBRID	Travel Lanes:	4
Survey Date:	12/11/2018	Compliance Level:	ADA Non-Com



Bus Stop Sign

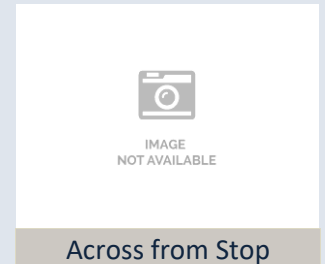
Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Light pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

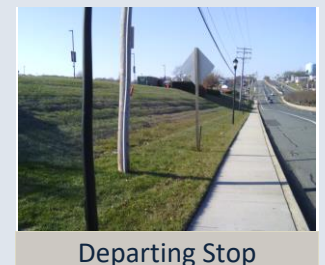
Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	No, sidewalk	Sidewalk Width:	5
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	No
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	None
Connect Curb?	Yes	Detectable Warning:	NA



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Yield
CR Connect CSAS:	Yes	Crosswalk CSAS:	Yes	Ped Control OS:	No
CR Connect CSOP:	Yes	Crosswalk CSOP:	No	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	18
LOTS Riders:	

Estimated Stop Improvement Cost:
\$4,000.00

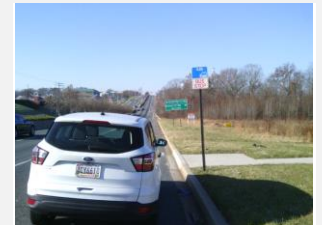
BMC Transfer Study Stop Inventory

Transfer Location:	Woodbridge Shopping Center	Heading:	270
Stop ID:	NA	Placement:	At Location
On Street:	US 40	Speed:	45 mph
Cross Street	@ AUTO ZONE	Travel Lanes:	4
Survey Date:	12/11/2018	Compliance Level:	Compliant



Bus Stop Sign

Number of Signs:	1	Stop Owner 1:	MTA Commuter Bus
Sign Installation:	Bus Stop Pole	Stop Owner 2:	NA
Sign Height:	80" or greater	Stop Owner 3:	NA
Route Info:	MTA 420		



Approaching Stop

Shelters and Other Amenities

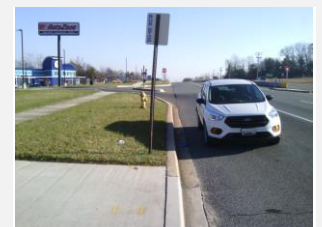
Shelters:	0	Info Case:	No
Shelter Foundation:	NA	Info Case Accessible:	NA
Shelter Damage	NA	Info Case Damage:	NA
Shelter Accessible?	NA	Digital Display?	No
Entrance Accessible?	NA	Route Schedule?	No
Interior Accessible?	NA	System Map?	No
Benches?	0	Route Map?	No
Bench Location:	NA	Trash Can?	No
Bench Damage:	NA	Publication Boxes?	0
Bike Racks?	No		



Across from Stop

Accessibility

Landing Pad:	Yes, unobstructed	Sidewalk Width:	4
Material:	Concrete	Obstruction:	None
Surface Problem:	None	Land Buffer:	Yes
Obstruction:	None	Surface Problem:	None
Connect Sidewalk?	Yes	Curb Ramp:	Perpendicular
Connect Curb?	Yes	Detectable Warning:	No



Departing Stop

Safety

CR Connect OSNS:	No	Crosswalk OSNS:	No	Traffic Control OS:	None
CR Connect OSFS:	No	Crosswalk OSFS:	No	Traffic Control CS:	Yield
CR Connect CSAS:	Yes	Crosswalk CSAS:	No	Ped Control OS:	No
CR Connect CSOP:	Yes	Crosswalk CSOP:	Yes	Ped Control CS:	No

Ridership and Improvements

MTA Ridership:	21
LOTS Riders:	

Estimated Stop Improvement Cost:
\$0.00