



**BUS NETWORK**  
IMPROVEMENT PROJECT

MARYLAND TRANSIT ADMINISTRATION

# BUS STOP OPTIMIZATION

## PILOT STUDY

Route No. 50



## Route No. 50 – Summary Table

### Route No. 50 – Recommended Stops for Elimination

Stop ID	Stop Name - Route 50	Passengers				Distances (feet)		Land Use
		Daily On	Daily Off	Daily Total	% of Route	To Previous Stop	To Next Stop	
6343	MANNASOTA & BRENDAN AVE eb	10	4	14	0.4%	260	214	URBAN
6344	MANNASOTA & KENTUCKY AV eb	0	0	0	0.0%	214	718	URBAN
6346	MANNASOTA & DUDLEY AVE eb	4	5	9	0.3%	276	252	URBAN
6347	MANNASOTA & RAMONA AVE eb	2	1	3	0.1%	252	253	URBAN
6349	MANNASOTA & PARKSIDE fs	0	0	0	0.0%	512	476	URBAN
6351	BOWLEYS & GREENHILL AV sb	14	14	28	0.8%	593	269	URBAN
902	SINCLAIR LN & EASTBURY OP E/B	0	0	0	0.0%	755	535	URBAN
12081	SINCLAIR LA & EASTBURY wb	13	4	17	0.5%	522	620	URBAN
936	SINCLAIR LN & SHANNON W/B	17	5	22	0.6%	675	265	URBAN
6358	CHESTERFIELD & LYNDALe nb	7	8	15	0.4%	535	533	URBAN
6360	CHESTERFIELD & CLIFTMONT nb	1	1	2	0.1%	323	692	URBAN
12084	BREHMS LA & MANNASOTA AVE wb	1	13	14	0.4%	350	262	URBAN
13667	ERDMAN AVE & CLIFTMONT AVE fs sb				0.0%	742	436	URBAN

Based on the field review, there is an existing bus stop at Bowleys Ln and Plainfield Ave not accounted for the MTA database. This is located between the existing stop at Bowleys Ln and Gunther Ave. (note: there are two Plainfield Ave intersections approximately 630' apart).

The individual stop information sheets also include the intersection of Bowleys Ln and Gunther Ave, which is a new potential stop location being investigated by MTA.

Bus stops recommended for elimination along Route No. 50 have transfers/connections with Route No. 5, 22, 24, and 33. Although adjacent stops to those recommended for elimination provide transfer/ connection opportunities within the spacing guidelines, a cursory analysis of the other bus routes should be conducted to ensure suitability prior to implementation of the optimization plan.



Route 50 – List of Existing Stops

#	Stop ID	Stop Name - Route 50	Passengers				Distances (feet)		Land Use	Ammenities			Access					Stop Detail		RECOMMENDATION	New Distance Between
			Daily On	Daily Off	Daily Total	% of Route	To Previous Stop	To Next Stop		Seat	Shelter	Info Box	Sidewalk	Sidewalk > 5'	Lighting	Crosswalk	Crosswalk Control	Transfer	Community Resource		
1	12691	ERDMAN AVE & ANNETTA AVE wb opp	41	54	95	2.7%	0	384	URBAN										No change		
2	4134	ERDMAN AVE & BELAIR RD wb	528	307	835	23.8%	384	1535	URBAN												
3	6342	MANNASOTA AVE & LAKE AV eb	16	3	19	0.5%	1535	260	URBAN										Consider Additional Stop		
4	6343	MANNASOTA & BRENDAN AVE eb	10	4	14	0.4%	260	214	URBAN	No	No	No	Yes	No	Yes	Yes	Stop	No	Eliminate	1192	
5	6344	MANNASOTA & KENTUCKY AV eb	0	0	0	0.0%	214	718	URBAN							N/A		No	Not found/ Eliminate		
6	6345	MANNASOTA & KENYON AVE eb	26	19	45	1.3%	718	276	URBAN	No	No	No	Yes	No	Yes	No	Stop	No	No change		
7	6346	MANNASOTA & DUDLEY AVE eb	4	5	9	0.3%	276	252	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate	781	
8	6347	MANNASOTA & RAMONA AVE eb	2	1	3	0.1%	252	253	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate		
9	6348	MANNASOTA & SHANNON AVE eb	2	2	4	0.1%	253	512	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	No change		
10	6349	MANNASOTA & PARKSIDE fs	0	0	0	0.0%	512	476	URBAN										Not found/ Eliminate	988	
11	6350	MANNASOTA AVE & SHELDON AVE	19	14	33	0.9%	476	593	URBAN	Yes	No	No	Yes	No	No	No	N/A	No	Parkside Methodist Church	No Change	
12	6351	BOWLEYS & GREENHILL AV sb	14	14	28	0.8%	593	269	URBAN	No	No	No	Yes	No	No	No	N/A	No	Eliminate	862	
13	6352	BOWLEYS & PLAINFIELD AV sb	11	26	37	1.1%	269	661	URBAN												
		BOWLEYS & PLAINFIELD AV sb (2nd)					661	661											Existing stop; not listed		
14	N/A	Bowleys Ln & Gunther Ave EB				0.0%	661	768	URBAN										To be added by MTA		
15	6353	BOWLEYS LA & ELISON AV sb	11	12	23	0.7%	768	974	URBAN										No change		
16	10557	BOWLEYS LA & SINCLAIR LA sb	43	40	83	2.4%	974	755	URBAN										No change		
17	902	SINCLAIR LN & EASTBURY OP E/B	0	0	0	0.0%	755	535	URBAN	No	No	No	Yes	No	No	No	N/A	Yes	Eliminate	1290	
18	12716	SINCLAIR LN & MORAVIA RD ns eb	4	119	123	3.5%	535	1408	URBAN												
19	12715	MORAVIA RD & TRUESDALE AVE sb	1	22	23	0.7%	1408	1461	URBAN												
20	12689	MORAVIA PARK DR & SR APTS opp eb	0	12	12	0.3%	1461	2210	URBAN												
21	5930	FRNKFRD & RELCREST RD nb	6	2	8	0.2%	2210	1060	URBAN												
22	5931	FRANKFORD & FORCE RD f/s nb	10	5	15	0.4%	1060	1098	URBAN										No change		
23	929	SINCLAIR LN & FRANKFORD fs wb	244	46	290	8.3%	1098	580	URBAN										No change		
24	930	SINCLAIR LN & GOODNOW W/B	110	29	139	4.0%	580	568	URBAN	Yes	No	No	Yes	No	Yes	No	N/A	Yes	No change		
25	10558	PARKSIDE SHOPPING CTR	25	24	49	1.4%	568	2404	URBAN										No change		
26	932	SINCLAIR LN & MORAVIA RD f/s wb	277	67	344	9.8%	2404	522	URBAN										No change		
27	12081	SINCLAIR LA & EASTBURY wb	13	4	17	0.5%	522	620	URBAN	No	No	No	Yes	No	Yes	No	N/A	Yes	Eliminate	1142	
28	934	SINCLAIR LN & BOWLEYS W/B	190	20	210	6.0%	620	726	URBAN										No change		
29	10559	SINCLAIR LA & PARKSIDE DR wb	59	4	63	1.8%	726	675	URBAN										No change		
30	936	SINCLAIR LN & SHANNON W/B	17	5	22	0.6%	675	265	URBAN	No	No	No	Yes	No	No	Yes	Signal	Yes	Eliminate	940	
31	9722	SINCLAIR LN & ARDLEY W/B	17	4	21	0.6%	265	688	URBAN	No	No	No	Yes	No	No	Yes	Signal	Yes	No change		
32	6354	SINCLAIR LN & BALFERN AVE	20	4	24	0.7%	688	388	URBAN	No	No	No	Yes	No	No	No	N/A	Yes	Church	No change	
33	6355	SINCLAIR LN & DUDLEY AVE fs wb	105	28	133	3.8%	388	1144	URBAN										No change		
34	6357	CHESTERFIELD & RAVENWOOD nb	20	29	49	1.4%	1144	535	URBAN										No change		
35	6358	CHESTERFIELD & LYNDALE nb	7	8	15	0.4%	535	533	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate	1068	
36	6359	CHESTERFIELD & JUNEWAY nb	19	22	41	1.2%	533	323	URBAN	No	No	No	Yes	Yes	No	No	N/A	No	No change		
37	6360	CHESTERFIELD & CLIFTMONT nb	1	1	2	0.1%	323	692	URBAN										Not found/ Eliminate	1015	
38	10560	BREHMS LN & CHESTERFIELD fs wb	5	16	21	0.6%	692	276	URBAN	No	No	No	Yes	Yes	Yes	Yes	None	No	Brehms Lane E.S.	No change	
39	12082	BREHMS LA & PELHAM AVE fs wb	11	13	24	0.7%	276	1239	URBAN										No change		
40	12083	BREHMS LA & MAYFIELD AVE wb	1	7	8	0.2%	1239	350	URBAN										No change		
41	12084	BREHMS LA & MANNASOTA AVE wb	1	13	14	0.4%	350	262	URBAN	No	No	No	Yes	No	Yes	No		No	Philadelphia Bible Inst. College and Seminar	Eliminate	612
42	12085	ERDMAN AVE & MANNASOTA AVE fs sb	59	71	130	3.7%	262	742	URBAN	No	No	No	Yes	No	Yes	Yes	Signal	Yes	Har Sinai Cemetery	No change	
43	13667	ERDMAN AVE & CLIFTMONT AVE fs sb				0.0%	742	436	URBAN	No	No	No	Yes	No	No	No		Yes	Monastery	Eliminate	1178
44	13622	ERDMAN AVE & ELMLEY AVE SB	62	124	186	5.3%	436	890	URBAN										No change		
45	12849	ERDMAN AVE & LIBRARY CENTER	66	128	194	5.5%	890	1813	URBAN												
46	10561	ERDMAN SHOPPING CTR	1	4	5	0.1%	1813	909	URBAN										Consider Additional Stop		
47	10739	EDISON HWY & ELMORA AVE NB	0	0	0	0.0%	909	526	URBAN										Under Construction		
48	10740	EDISON HWY & ELMLEY AVE NB	1	7	8	0.2%	526	487	URBAN	No	No	No	Yes	No	No	Yes	Signal	No	Catholic School of Baltimore	No change	
49	4131	EDISON HYW & CLIFTMONT nb	0	2	2	0.1%	487	1118	URBAN										No change		
50	12691	ERDMAN AVE & ANNETTA AVE wb opp	41	54	95	2.7%	1118	0	URBAN										No change		

Stops distance more than recommended  
 Stops distance less than recommended  
 Stops recommended for elimination

## Mannasota Ave & Brendan Ave EB (6343)



### Bus Stop Data:

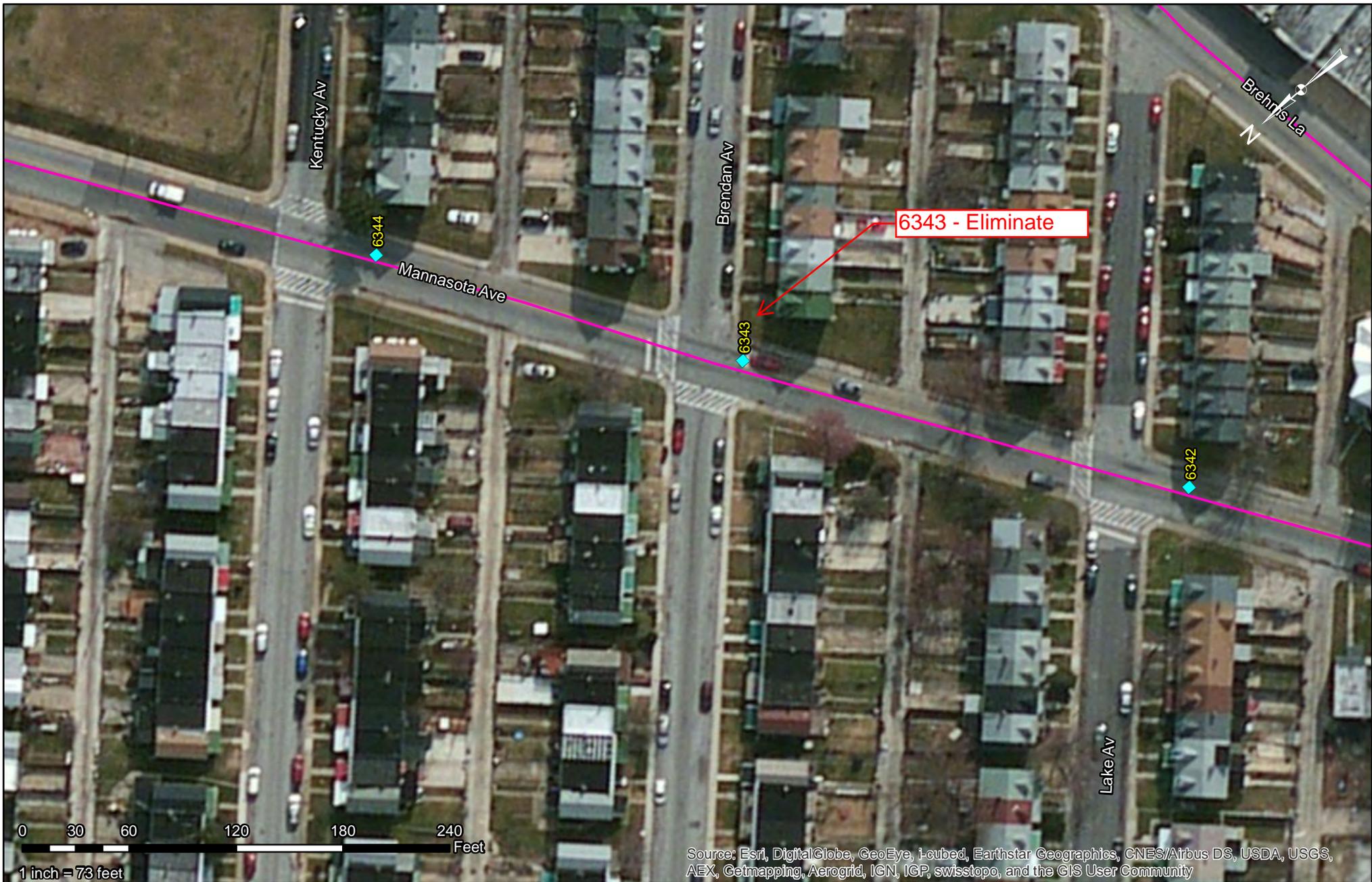
Daily Passenger Boarding:	10
Daily Passenger Alighting:	4
Total Daily Passengers:	14
Distance from Previous Stop:	260'
Distance to Next Stop:	214'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	<input checked="" type="checkbox"/> Yes	No	Signal/ <input type="checkbox"/> Stop/ <input type="checkbox"/> None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change  Eliminate



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID: 6343</b> <b>Stop Name: Mansasota &amp; Brendan Ave Eb</b> <b>Land Use Class: URBAN</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: 10 Daily Off: 4 Daily Total: 14	To Next Stop: 214 ft. To Previous Stop: 260 ft. Between Stops If Eliminated: 474 ft.	<span style="color: magenta;">◆</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

**Mannasota Ave & Kentucky Ave EB (6344) NOT FOUND**



Bus Stop Data:

Daily Passenger Boarding: 0  
 Daily Passenger Alighting: 0  
 Total Daily Passengers: 0  
 Distance from Previous Stop: 214'  
 Distance to Next Stop: 718'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	Brehms Lane Elementary School
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route



**Line Name:** Belair Edison Shuttle  
**Line Number:** 50  
**Stop ID:** 6344  
**Stop Name:** Mannasota & Kentucky Av Eb  
**Land Use Class:** URBAN

**Ridership**

Daily On: 0  
 Daily Off: 0  
 Daily Total: 0

**Measures**

To Next Stop: 718 ft.  
 To Previous Stop: 214 ft.  
 Between Stops If Eliminated: 932 ft.

**Legend**

- ◆ Bus Stop
- Bus Route

## Mannasota Ave & Dudley Ave EB (6346)



### Bus Stop Data:

Daily Passenger Boarding:	4
Daily Passenger Alighting:	5
Total Daily Passengers:	9
Distance from Previous Stop:	276'
Distance to Next Stop:	252'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change

Eliminate



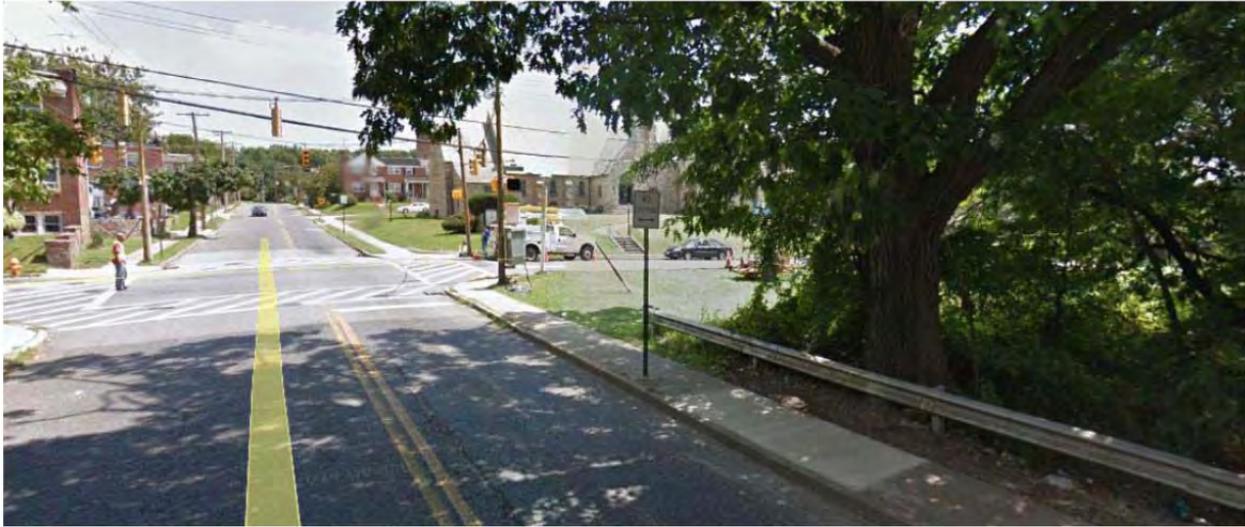
Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6346 Stop Name: Mannasota & Dudley Ave Eb Land Use Class: URBAN	Daily On: 4 Daily Off: 5 Daily Total: 9	To Next Stop: 252 ft. To Previous Stop: 276 ft. Between Stops If Eliminated: 528 ft.	 Bus Stop  Bus Route





Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6347 Stop Name: Mannasota & Ramona Ave Eb Land Use Class: URBAN	Daily On: 2 Daily Off: 1 Daily Total: 3	To Next Stop: 253 ft. To Previous Stop: 252 ft. Between Stops If Eliminated: 505 ft.	 Bus Stop  Bus Route

**Mannasota Ave & Parkside Ave EB (6349) NOT FOUND**



Bus Stop Data:

Daily Passenger Boarding: 0  
 Daily Passenger Alighting: 0  
 Total Daily Passengers: 0  
 Distance from Previous Stop: 512'  
 Distance to Next Stop: 476'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6349 Stop Name: Mannasota & Parkside Fs Land Use Class: URBAN	Daily On: 0 Daily Off: 0 Daily Total: 0	To Next Stop: 476 ft. To Previous Stop: 512 ft. Between Stops If Eliminated: 988 ft.	 Bus Stop  Bus Route

## Bowley's Ln & Greenhill Ave SB (6351)



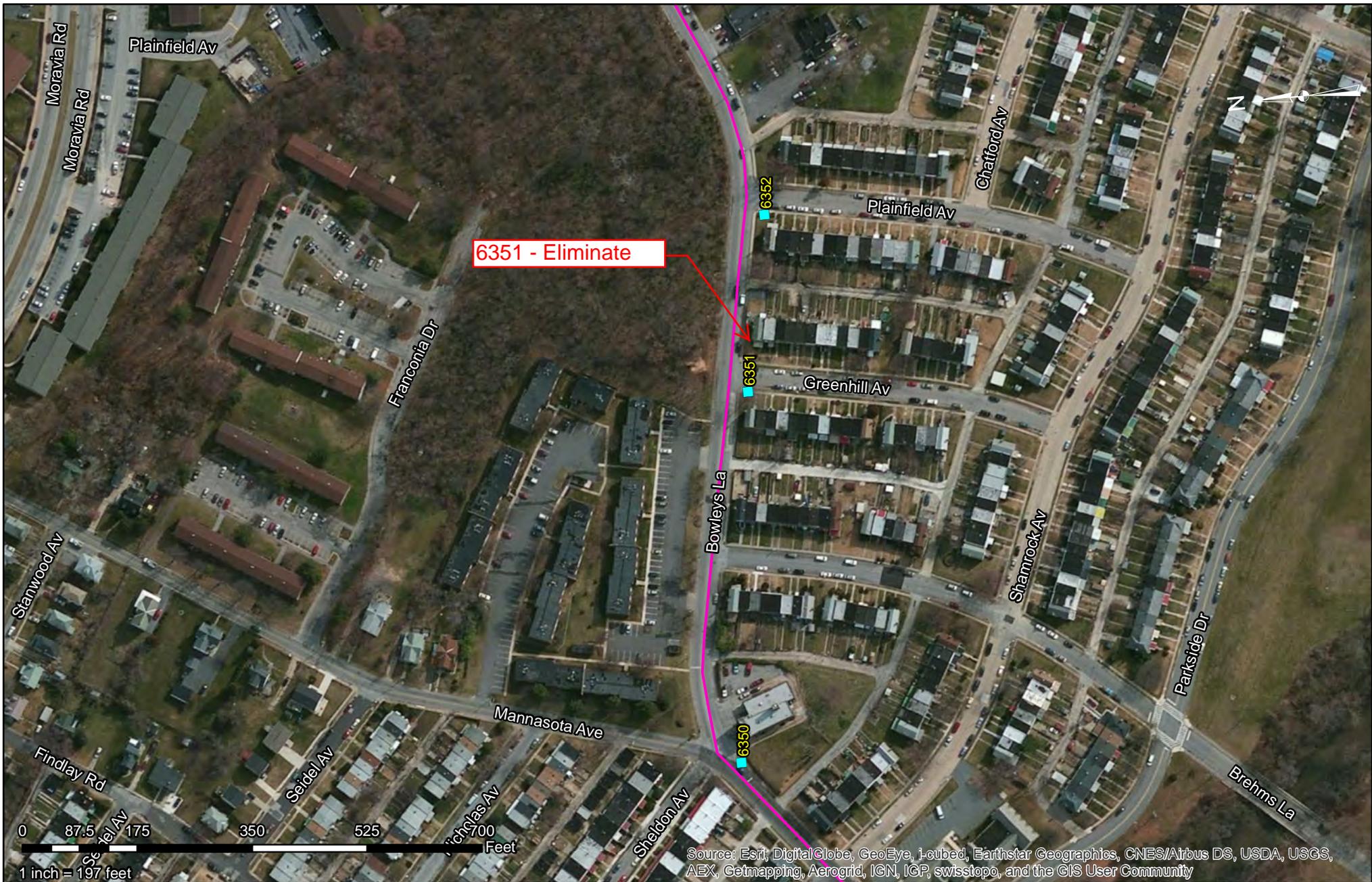
### Bus Stop Data:

Daily Passenger Boarding:	14
Daily Passenger Alighting:	14
Total Daily Passengers:	28
Distance from Previous Stop:	593'
Distance to Next Stop:	269'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**                      No Change                       Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
<b>Stop ID: 6351</b> <b>Stop Name: Bowleys &amp; Greenhill Av Sb</b> <b>Land Use Class: URBAN</b>	Daily On: 14 Daily Off: 14 Daily Total: 28	To Next Stop: 269 ft. To Previous Stop: 593 ft. Between Stops If Eliminated: 862 ft.	 Bus Stop  Bus Route

**Bowley's Ln & Plainfield Ave SB (2<sup>nd</sup>) (NO ID – NOT LISTED)**



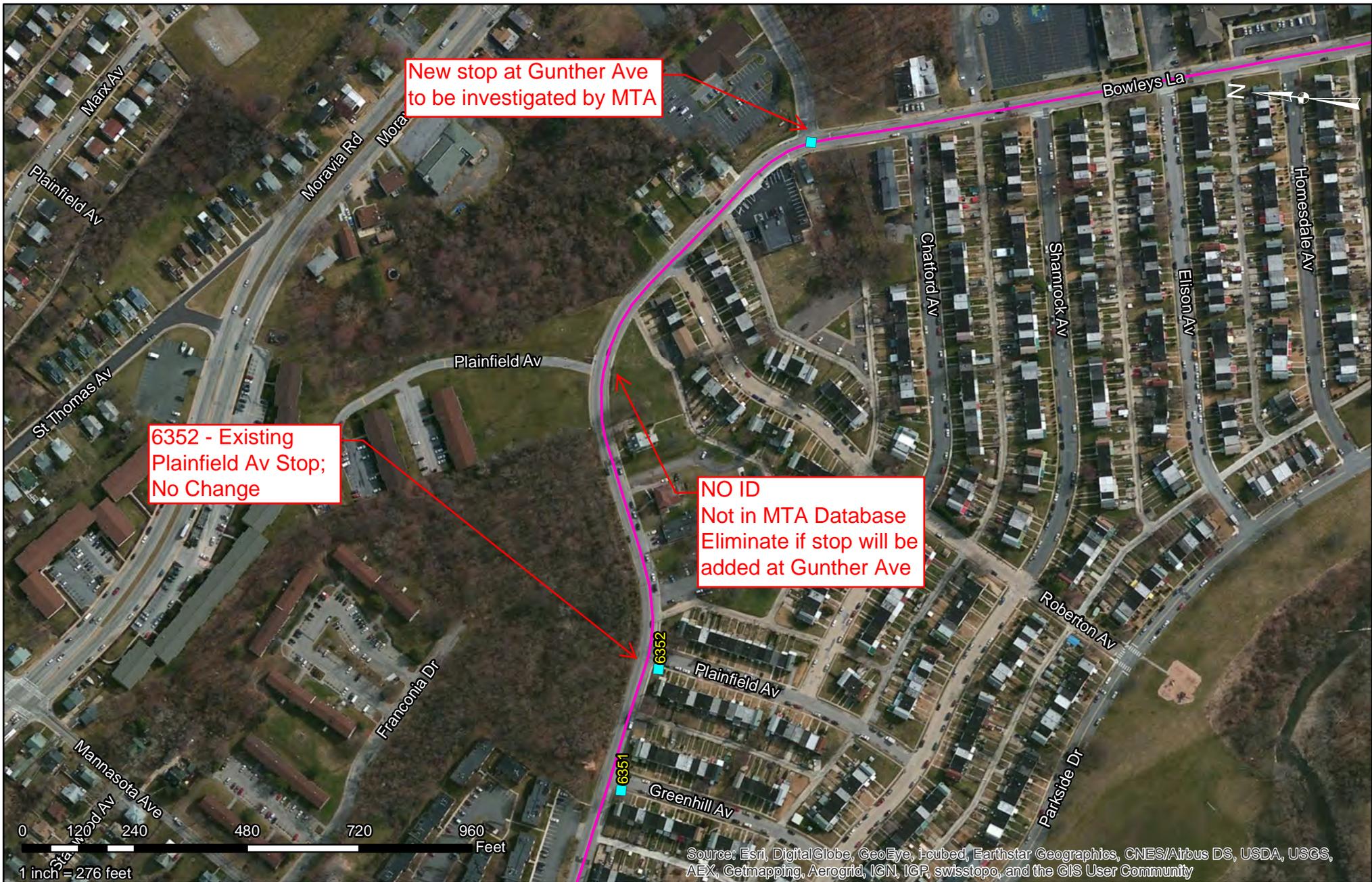
Bus Stop Data:

Daily Passenger Boarding: N/A  
 Daily Passenger Alighting: N/A  
 Total Daily Passengers: N/A  
 Distance from Previous Stop: 661' (\*estimated distance)  
 Distance to Next Stop: 661' (\*estimated distance)

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**                      No Change                      Eliminate



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID: 6352</b> <b>Stop Name: Bowleys &amp; Plainfield Av Sb</b> <b>Land Use Class: URBAN</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: 11 Daily Off: 26 Daily Total: 37	To Next Stop: 1321 ft. To Previous Stop: 269 ft. Between Stops If Eliminated: 1590 ft.	<span style="color: cyan;">■</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

**Bowley's Ln & Gunther Ave EB (NO ID - MTA TO ADD)**



Bus Stop Data:

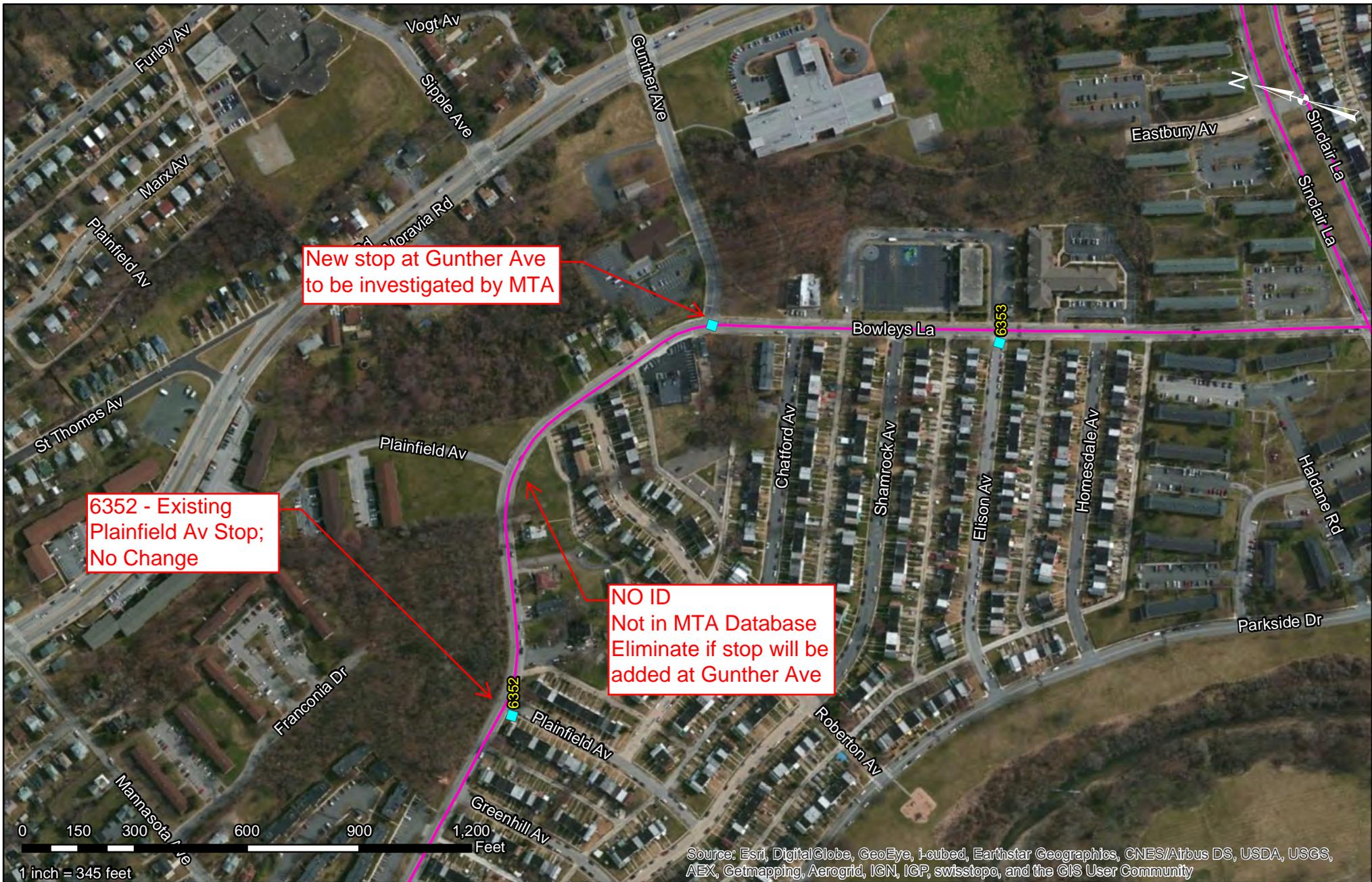
Daily Passenger Boarding: N/A  
 Daily Passenger Alighting: N/A  
 Total Daily Passengers: N/A  
 Distance from Previous Stop: 660' (\*estimated distance)  
 Distance to Next Stop: 768' (\*estimated distance)

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**

**Bus stop to be added by MTA; requires elimination of previous stop**



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID: None</b> <b>Stop Name: Bowleys Ln &amp; Gunther Ave Eb</b> <b>Land Use Class:</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: None Daily Off: None Daily Total: None	To Next Stop: None ft. To Previous Stop: None ft. Between Stops If Eliminated: None ft.	 Bus Stop   Bus Route

## Sinclair Ln & Eastbury Op EB (902)

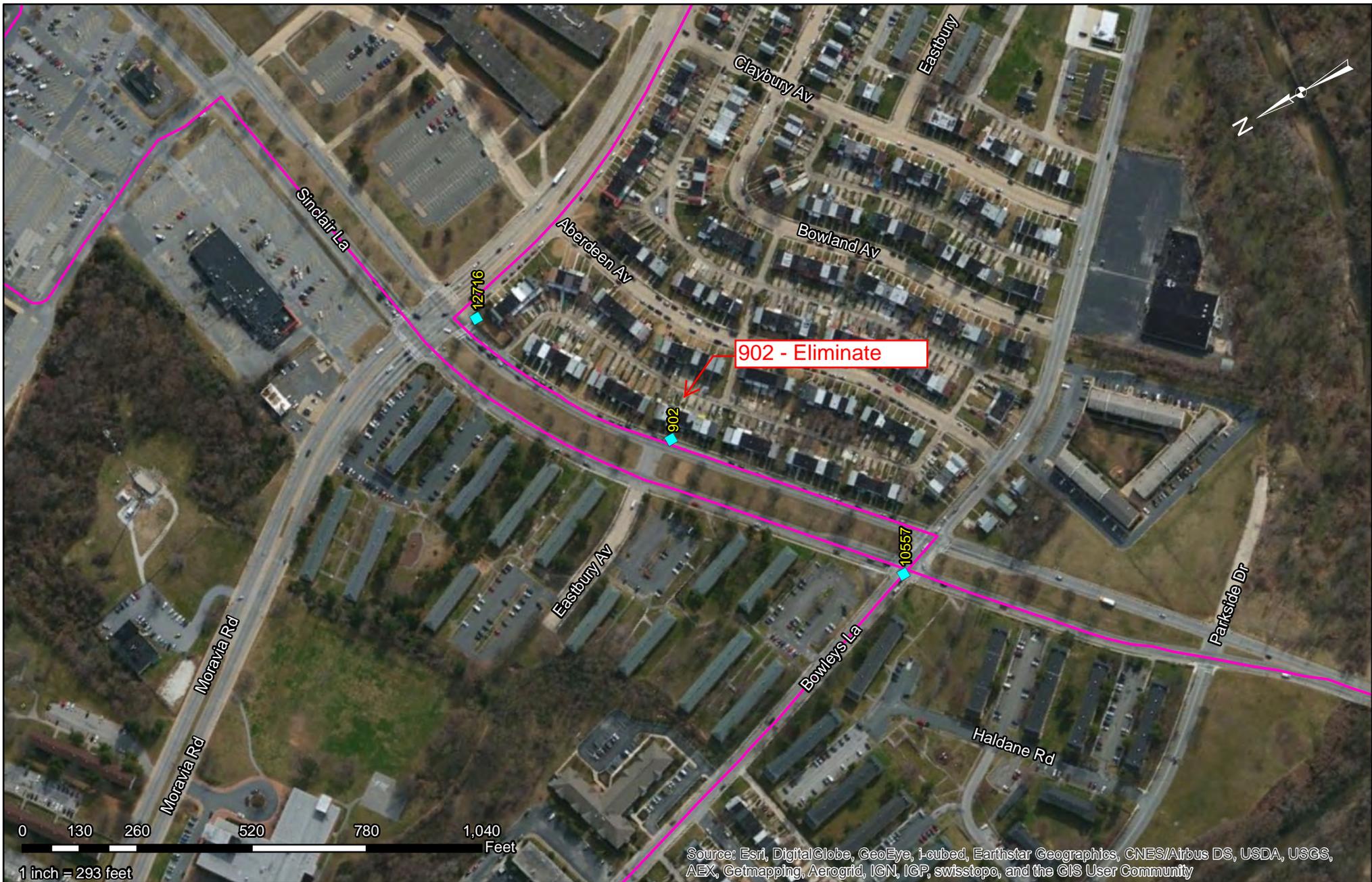


### Bus Stop Data:

Daily Passenger Boarding:	0
Daily Passenger Alighting:	0
Total Daily Passengers:	0
Distance from Previous Stop:	755'
Distance to Next Stop:	532'

### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 5, 33
<b>Recommendation</b>	No Change	<input type="checkbox"/> Eliminate	



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 902 Stop Name: Sinclair Ln & Eastbury Op E/B Land Use Class: URBAN	Daily On: 0 Daily Off: 0 Daily Total: 0	To Next Stop: 535 ft. To Previous Stop: 755 ft. Between Stops If Eliminated: 1290 ft.	 Bus Stop  Bus Route

## Sinclair Ln & Eastbury Op WB (12081)



### Bus Stop Data:

Daily Passenger Boarding:	13
Daily Passenger Alighting:	4
Total Daily Passengers:	17
Distance from Previous Stop:	522'
Distance to Next Stop:	620'

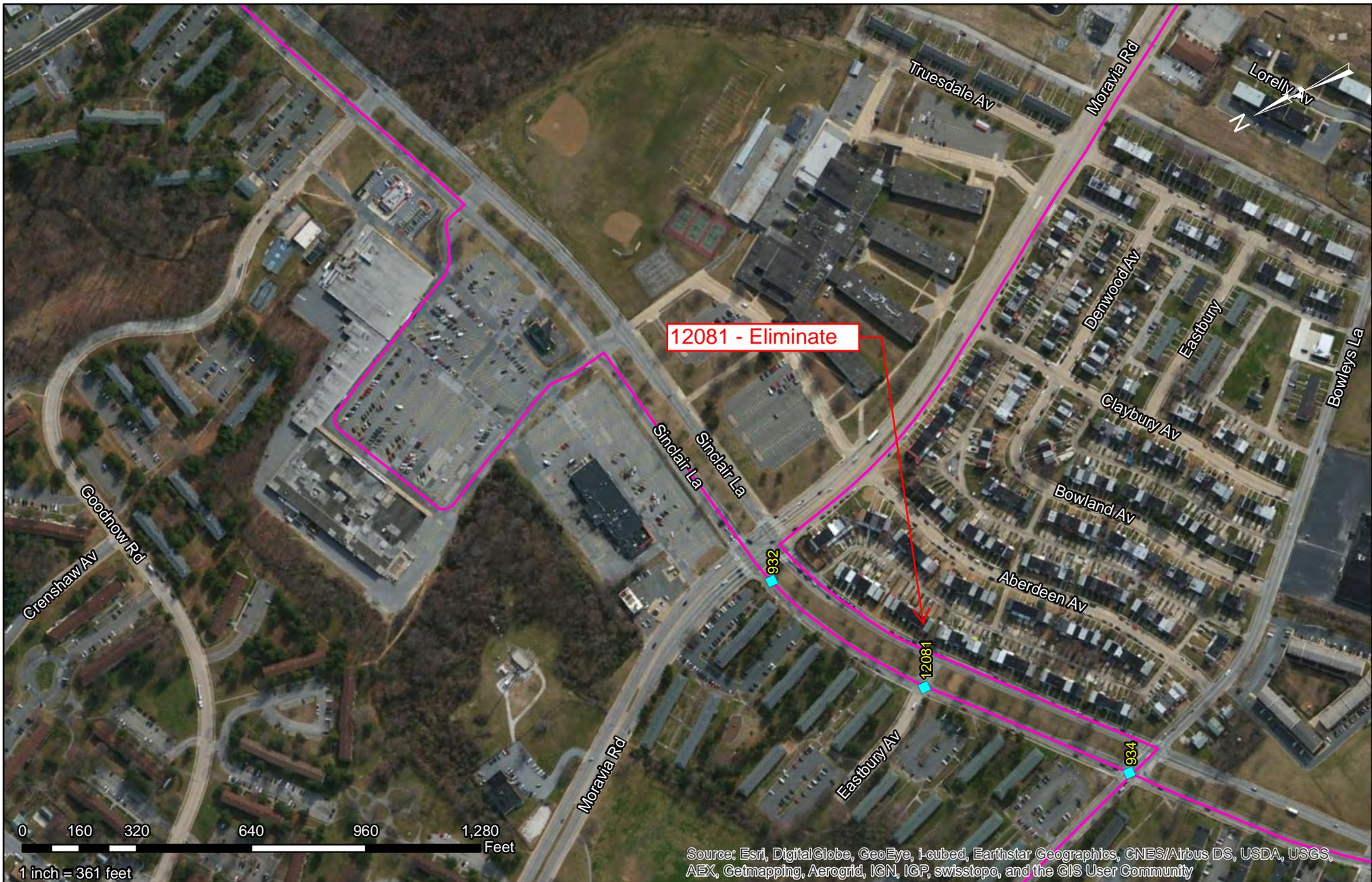
### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 5, 24, 33

### **Recommendation**

No Change

Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 12081 Stop Name: Sinclair La & Eastbury Wb Land Use Class: URBAN	Daily On: 13 Daily Off: 4 Daily Total: 17	To Next Stop: 620 ft. To Previous Stop: 522 ft. Between Stops If Eliminated: 1142 ft.	 Bus Stop  Bus Route

## Sinclair Ln & Shannon Dr WB (936)



### Bus Stop Data:

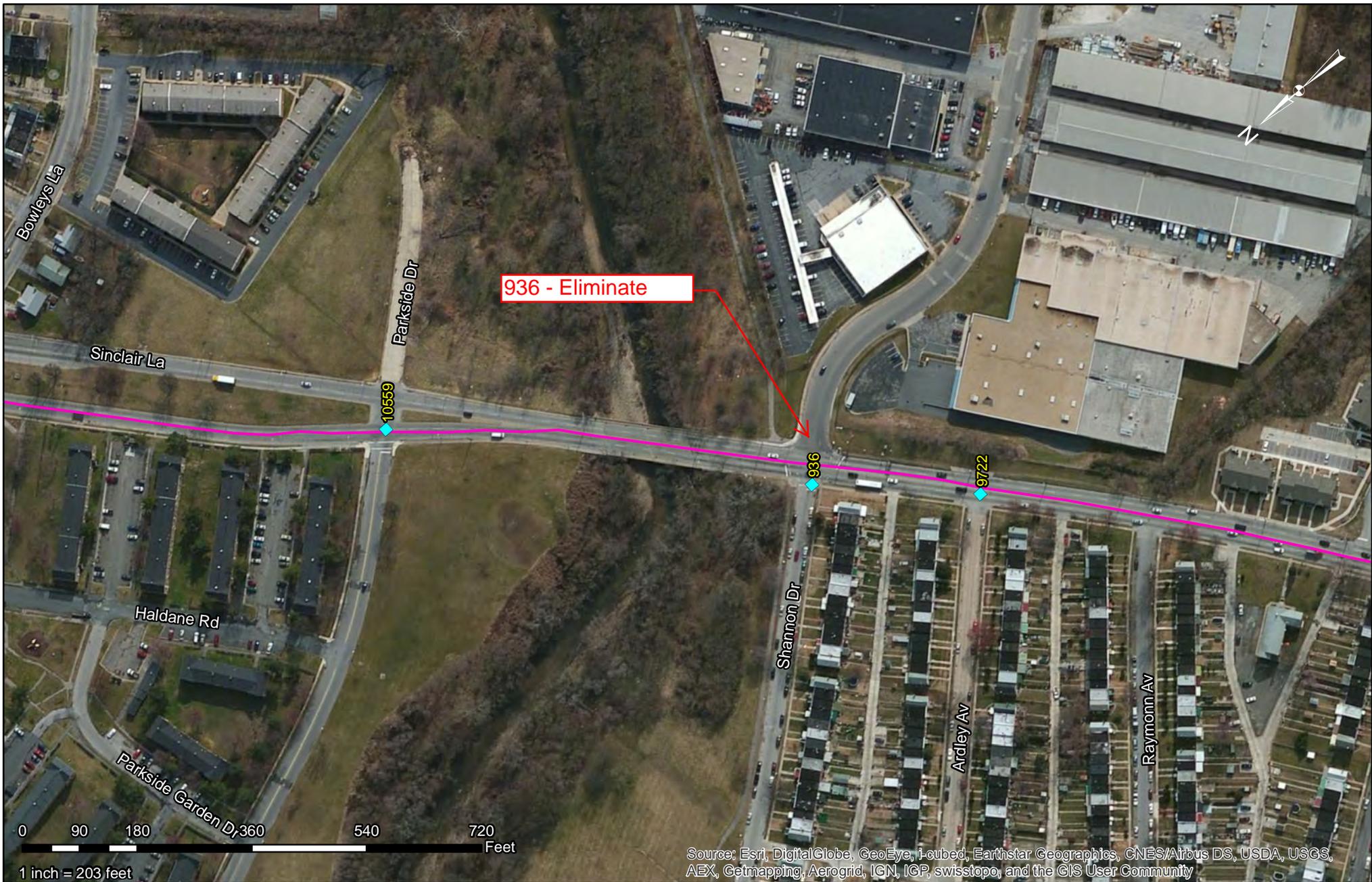
Daily Passenger Boarding:	17
Daily Passenger Alighting:	5
Total Daily Passengers:	22
Distance from Previous Stop:	675'
Distance to Next Stop:	225'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 5, 24

### **Recommendation**

No Change  Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
<b>Stop ID: 936</b> <b>Stop Name: Sinclair Ln &amp; Shannon W/B</b> <b>Land Use Class: URBAN</b>	Daily On: 17 Daily Off: 5 Daily Total: 22	To Next Stop: 265 ft. To Previous Stop: 675 ft. Between Stops If Eliminated: 940 ft.	 Bus Stop  Bus Route

## Chesterfield Ave & Lyndale Ave NB (6358)



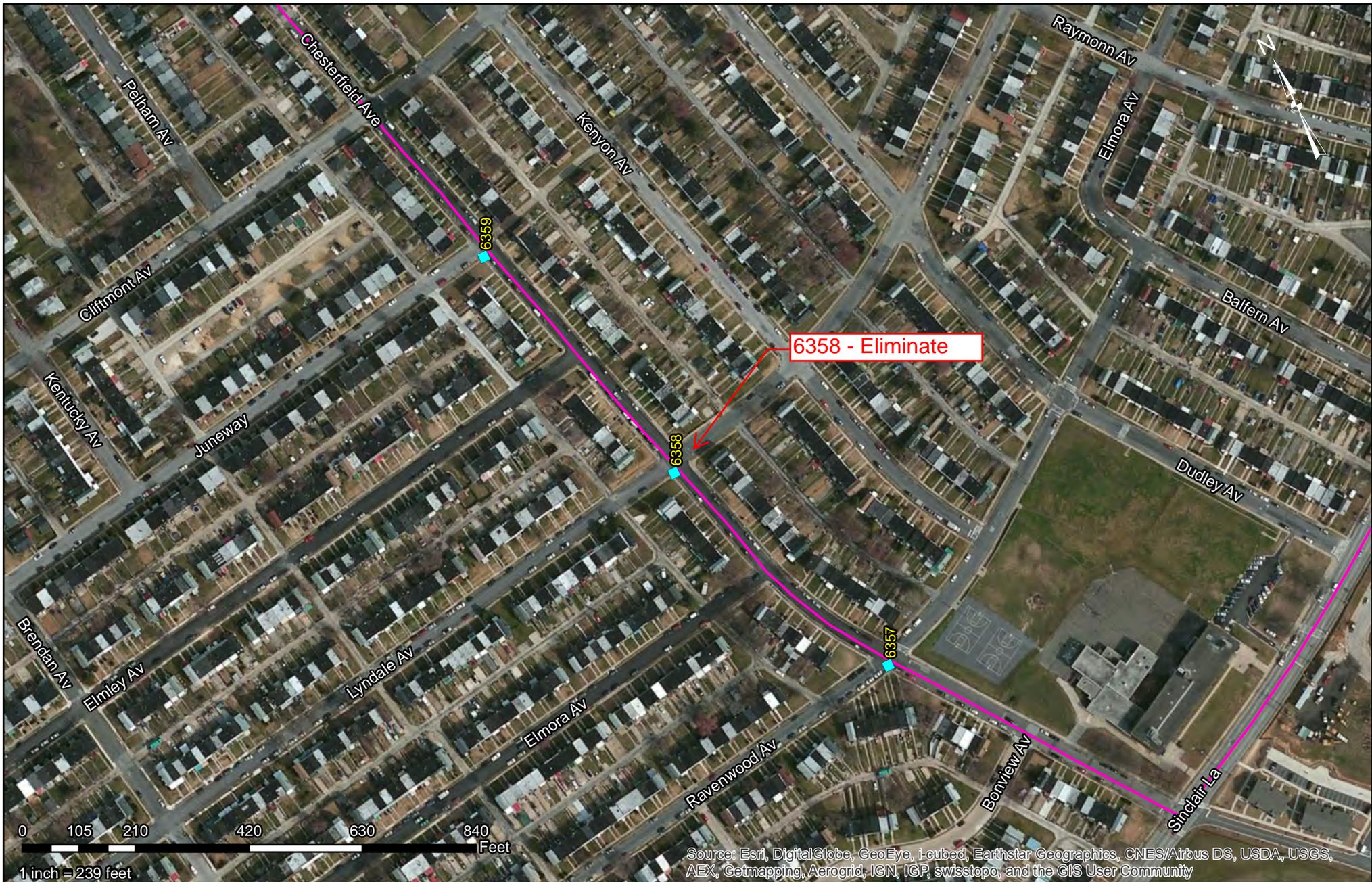
### Bus Stop Data:

Daily Passenger Boarding:	7
Daily Passenger Alighting:	8
Total Daily Passengers:	15
Distance from Previous Stop:	535'
Distance to Next Stop:	533'

### Observation Summary:

Stop Placement	Far-Side	<input type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**                      No Change                       Eliminate



**Line Name: Belair Edison Shuttle**  
**Line Number: 50**  
**Stop ID: 6358**  
**Stop Name: Chesterfield & Lyndale Nb**  
**Land Use Class: URBAN**

**Ridership**

Daily On: 7  
 Daily Off: 8  
 Daily Total: 15

**Measures**

To Next Stop: 533 ft.  
 To Previous Stop: 535 ft.  
 Between Stops If Eliminated: 1068 ft.

**Legend**

- Bus Stop
- Bus Route

**Chesterfield Ave & Cliftmont Ave NB (6360) NOT FOUND**



Bus Stop Data:

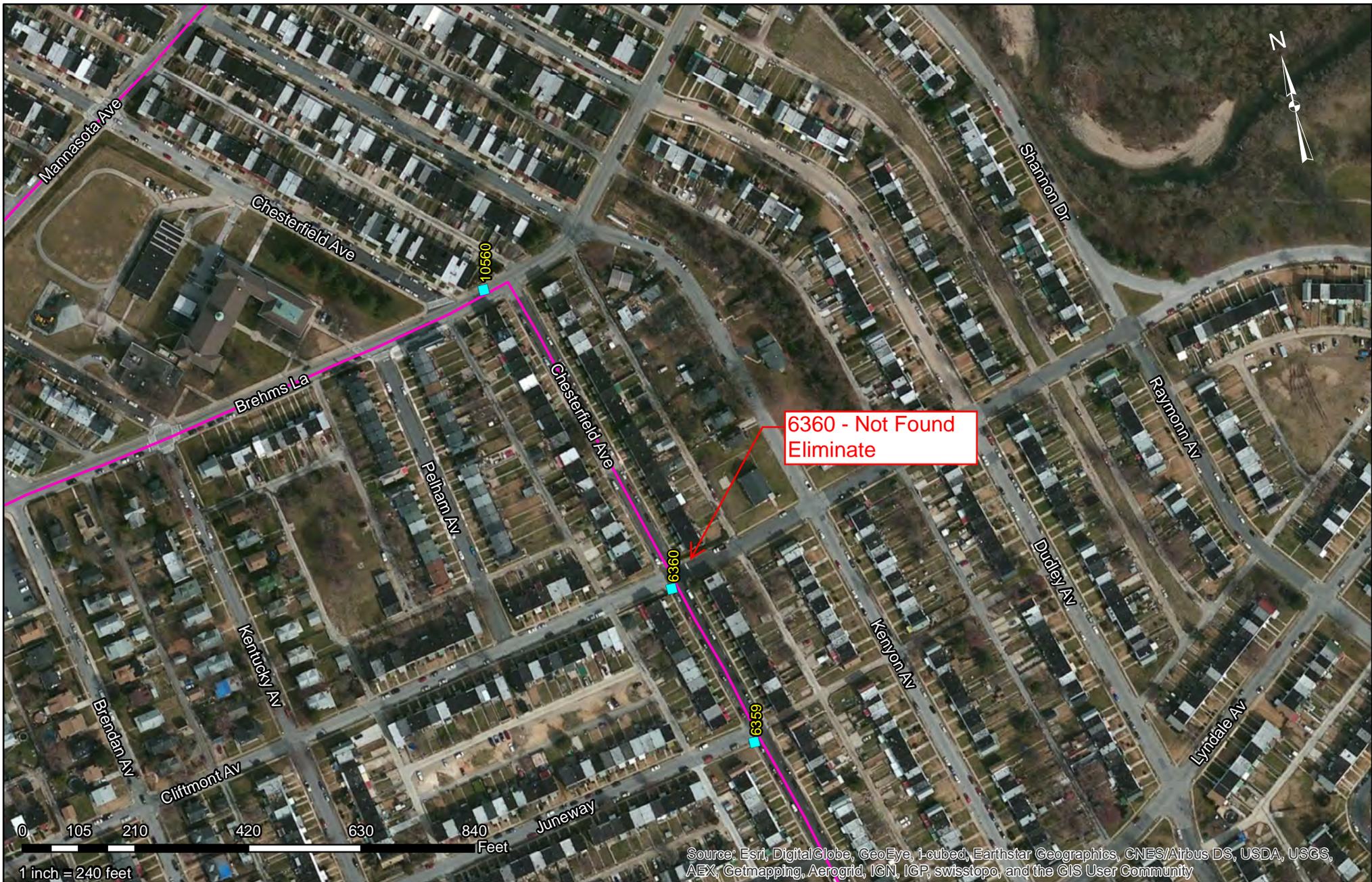
Daily Passenger Boarding:	1
Daily Passenger Alighting:	1
Total Daily Passengers:	2
Distance from Previous Stop:	323'
Distance to Next Stop:	692'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID: 6360</b> <b>Stop Name: Chesterfield &amp; Clifftont Nb</b> <b>Land Use Class: URBAN</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: 1 Daily Off: 1 Daily Total: 2	To Next Stop: 692 ft. To Previous Stop: 323 ft. Between Stops If Eliminated: 1015 ft.	<span style="color: magenta;">■</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

## Brehm's Ln & Mannasota Ave WB (12084)



### Bus Stop Data:

Daily Passenger Boarding: 1  
 Daily Passenger Alighting: 13  
 Total Daily Passengers: 14  
 Distance from Previous Stop: 350'  
 Distance to Next Stop: 262'

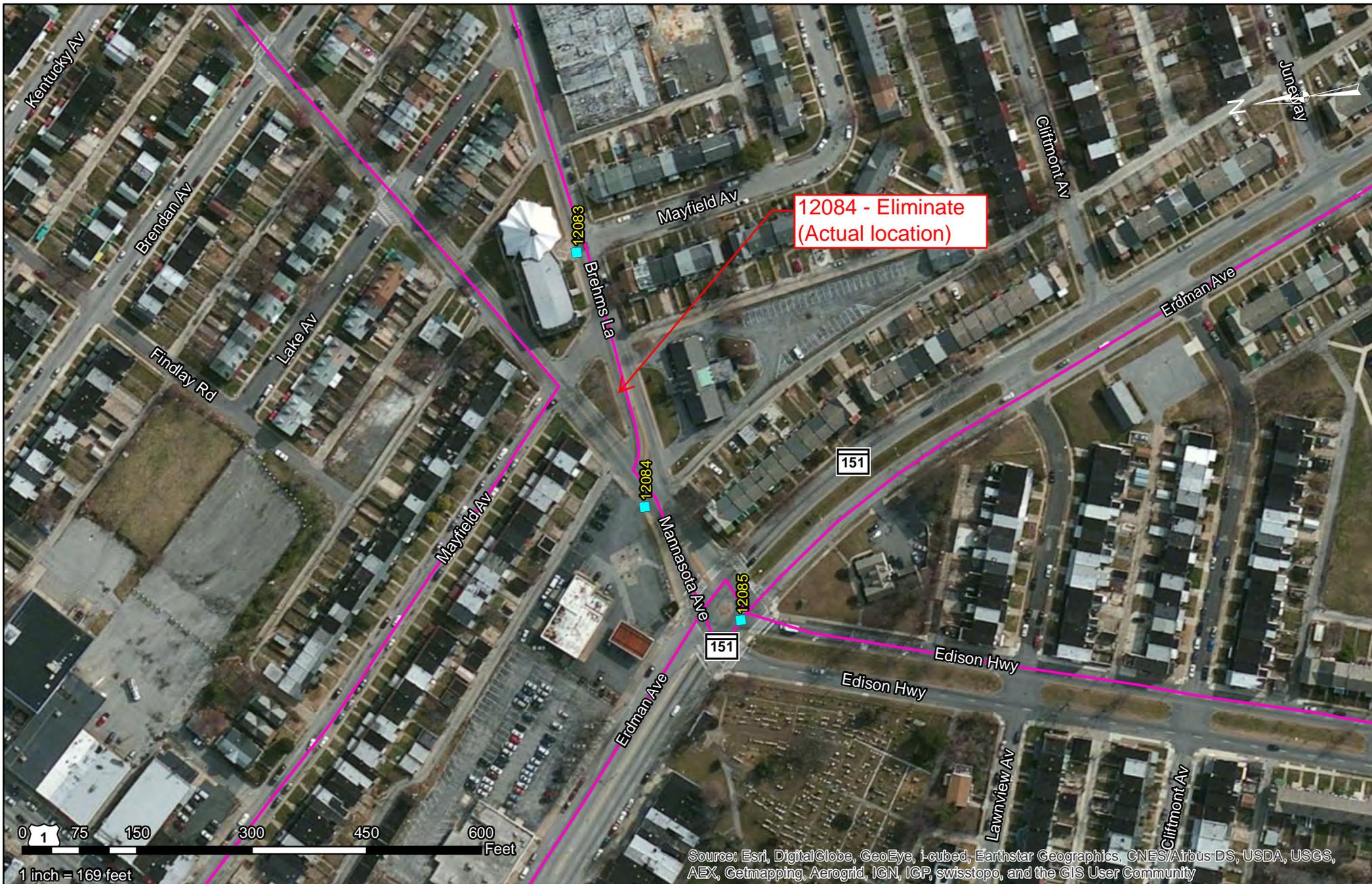
### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	<input type="checkbox"/> Yes	No	Philadelphia Bible Inst. College & Seminary
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change

Eliminate



Line Name: Belair Edison Shuttle	Ridership	Measures	Legend
Line Number: 50 Stop ID: 12084 Stop Name: Brehms La & Mannasota Ave Wb Land Use Class: URBAN	Daily On: 1 Daily Off: 13 Daily Total: 14	To Next Stop: 262 ft. To Previous Stop: 350 ft. Between Stops If Eliminated: 612 ft.	 Bus Stop  Bus Route

## Erdman Ave & Cliftmont Ave SB (13667)



### Bus Stop Data:

Daily Passenger Boarding:	N/A
Daily Passenger Alighting:	N/A
Total Daily Passengers:	N/A
Distance from Previous Stop:	742'
Distance to Next Stop:	436'

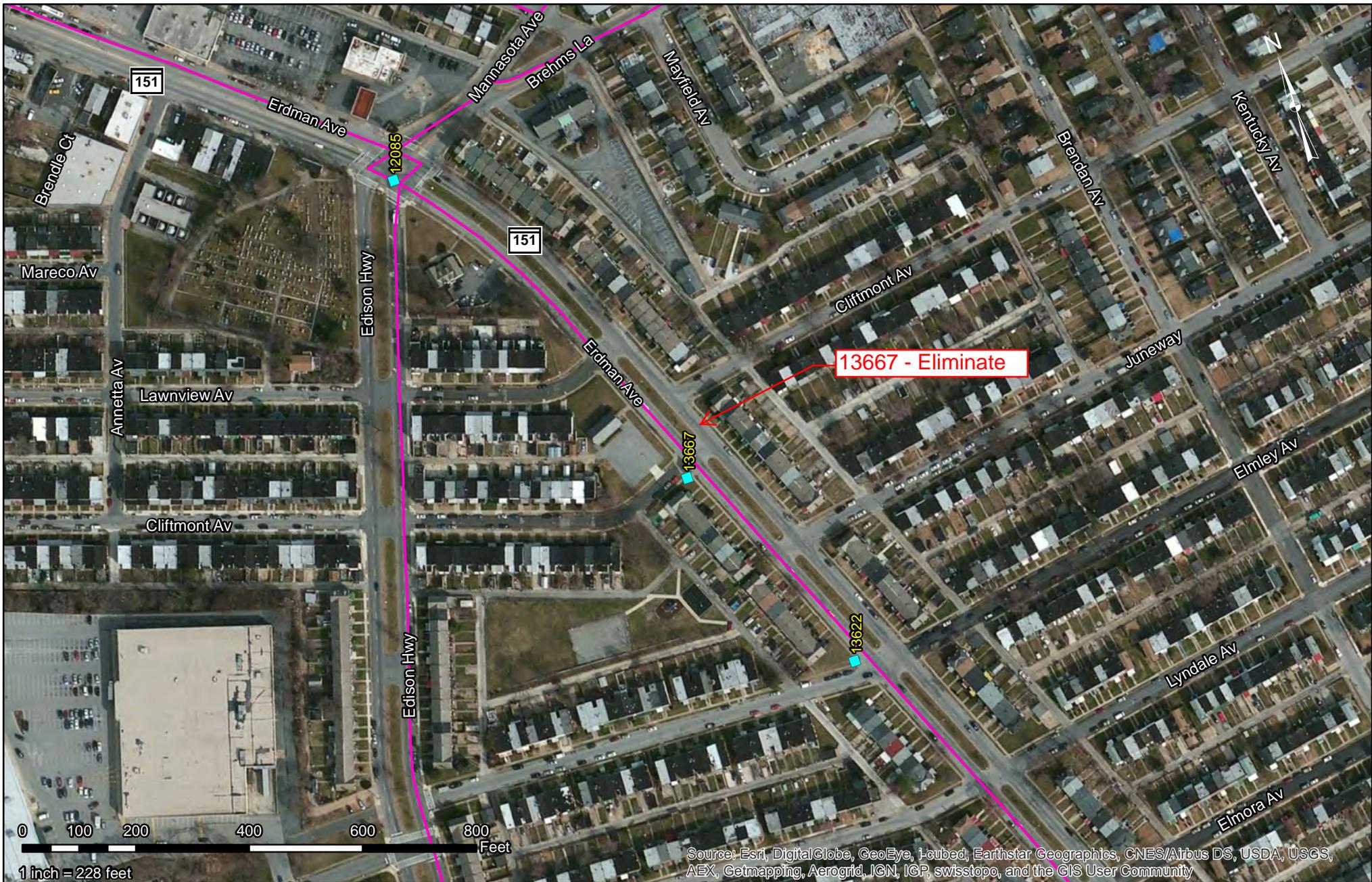
### Observation Summary:

Stop Placement	<input checked="" type="checkbox"/> Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Monastery
Transfer/ Transit Connection Location	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 22

### **Recommendation**

No Change

Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
<b>Stop ID: 13667</b> <b>Stop Name: Erdman Ave &amp; Cliffmont Ave Fs Sb</b> <b>Land Use Class: URBAN</b>	Daily On: None Daily Off: None Daily Total: None	To Next Stop: 436 ft. To Previous Stop: 742 ft. Between Stops If Eliminated: 1178 ft.	 Bus Stop  Bus Route

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## Introduction

The Maryland Transit Administration (MTA) conducted the Bus Stop Optimization Pilot Program, an element of the Bus Network Improvement Project’s Phase One Plan (<http://mta.maryland.gov/bnip-plan-year-one>). The goal of the Bus Stop Optimization Pilot Program is to ensure that bus stops are adequately spaced apart to increase bus efficiency by reducing the number of stops a bus makes. Careful consideration will be taken to ensure bus stops are not spaced too far apart to decrease ridership. Data from this pilot program will be used when making future changes to bus stop locations.

The Pilot Program carefully studied bus stop spacing on four local bus lines: **50, 53, 56, and 59** by comparing spacing standards to bus stop placement and evaluating on-street conditions and stop amenities (more detail about the methodology can be found below). Some recommendations also affect lines **5, 5X, 18, 24, 44, and or 97**.

This report identifies and recommends bus stops for elimination or relocation along the four routes being analyzed. The sections are divided by the route, each including a general overview map with the existing stops and those recommended to be eliminated; a table with the existing stops, ridership data, spacing distances, and field observations; and individual information sheets for those stops recommended to be eliminated or to be altered. The Appendices include information sheets for all evaluated bus stops, including those below the spacing guidelines that were evaluated but recommended to keep in place.

## Methodology

For each route, a GIS analysis was conducted to ascertain the existing stop spacing. The existing bus stop spacing was evaluated against the recommended spacing guidelines from the Bus Stop Optimization Policy (Pilot) (MTA, July 2014), which are based on the land use and route type being analyzed. (See the table below that summarizes the Pilot’s spacing standards.) The analysis also takes into consideration boarding data, loading data, and route and roadway configurations provided by MTA.

*Bus Stop Optimization Pilot Program Spacing Standards*

Land Use Type	Spacing	Target Average	Additional Notes
Downtown	750 – 1,000 ft	2 blocks	Locate stops at every location with intersecting local MTA transit service. Pay special attention to optimizing access to major trip generators.
Urban Areas	750 – 1,320 ft (1/4 mi)	1,000 ft	The minimum spacing is recommended for locations at major activity centers and destinations.
Suburban Areas	1,000 – 2,640 ft (1/2 mi)	1,320 ft (1/4 mi)	Maximum spacing is recommended for locations along a route with little development.
Suburban Activity Centers	750 – 2,640 ft (1/2 mi)	1,320 ft (1/4 mi)	Where warranted in suburban activity centers, the minimum stop spacing is reduced to 750 feet to enable improved access to stops. Maximum spacing is only appropriate in locations with poor accessibility or lack of trip generators.

The study team conducted field investigations at bus stops with spacing below the recommended range only. The field investigation focused on existing pedestrian and bus stop amenities at each of the identified bus stops, including the following:

- Bus location: far-side, near-side, or midblock
- Seating
- Bus Shelter
- Information Box
- Sidewalks: notes whether sidewalks are greater than 5' in width
- Lighting
- Proximity to Pedestrian Crosswalk: to cross the main route, not crossroads
  - o Crosswalk Control: signalized, stop controlled, or none
- Proximity to Community Resource: examples include churches, schools, parks, medical centers, shopping malls, etc.
- Transfer/ Connection: whether there is more than one bus route using the bus stop

After the field work was completed, the bus stops were evaluated for elimination or consolidation, taking into consideration all the available data: spacing between stops, passenger counts, pedestrian accessibility, safety, and bus stop amenities. The analysis for elimination observes whether a bus stop is shared with other routes (i.e. as a transfer/ connection stop) and ensures alternate stop locations, but does not perform an evaluation of the transferring / connecting bus route. Also, the analysis strives to maintain pairing of stops in opposite directions (to facilitate passenger round trips), but spacing remains the primary criteria for stop elimination, resulting in some stop pairs to be located at different intersections.

Bus stops recommended for elimination are presented in the subsequent section, separated by route and traveling direction. Each route includes an overview map and a table of existing bus stops and recommendations. For each stop recommended for elimination, the report includes an information sheet with an image, passenger and stop spacing data, field observations, recommendations for optimization, and a map.

## Route No. 50 – Summary Table

### Route No. 50 – Recommended Stops for Elimination

Stop ID	Stop Name - Route 50	Passengers				Distances (feet)		Land Use
		Daily On	Daily Off	Daily Total	% of Route	To Previous Stop	To Next Stop	
6343	MANNASOTA AVE & BRENDAN AVE eb	10	3	13	0.3%	260	214	URBAN
6344	MANNASOTA AVE & KENTUCKY AV eb	0	0	0	0.0%	214	718	URBAN
6345	MANNASOTA AVE & KENYON AVE eb	12	6	18	0.3%	250	276	URBAN
6346	MANNASOTA AVE & DUDLEY AVE eb	4	4	8	0.2%	276	252	URBAN
6348	MANNASOTA AVE & SHANNON AVE eb	3	3	6	0.1%	253	512	URBAN
6349	MANNASOTA AVE & PARKSIDE DR fs	1	0	1	0.0%	512	476	URBAN
6351	BOWLEYS LN & GREENHILL AV sb	12	11	23	0.4%	593	269	URBAN
N/A	BOWLEYS LN & PLAINFIELD AV sb (2nd)					672	650	URBAN
902	SINCLAIR LN & EASTBURY AVE OP E/B	6	34	40	0.8%	755	535	URBAN
12081	SINCLAIR LA & EASTBURY AVE wb	16	8	24	0.5%	522	620	URBAN
9722	SINCLAIR LN & ARDLEY AVE W/B	28	9	37	0.7%	265	688	URBAN
6358	CHESTERFIELD AVE & LYNDAL AVE nb	7	9	16	0.3%	535	533	URBAN
6360	CHESTERFIELD AVE & CLIFTMONT AVE nb	0	1	1	0.0%	323	692	URBAN
10560	BREHMS LN & CHESTERFIELD AVE fs wb	4	19	23	0.4%	692	276	URBAN
12084	BREHMS LA & MANNASOTA AVE wb	1	6	7	0.1%	350	262	URBAN

Based on the field review, Plainfield Ave intersects Bowleys Ln twice within 700', and there are two bus stops at each of these intersections. The second of these stops is not accounted in the MTA database, and is recommended to be eliminated. MTA is also investigating a new potential bus stop at Bowleys Ln and Gunther Ave.

Bus stops recommended for elimination along Route No. 50 have transfers/connections with Route No. 5, 22, 24, and 33. Although adjacent stops to those recommended for elimination provide transfer/ connection opportunities within the spacing guidelines, a cursory analysis of the other bus routes should be conducted to ensure suitability prior to implementation of the optimization plan.



**Line Name: Belair Edison Shuttle**

**Line Number: 50**

**Direction: Circular**

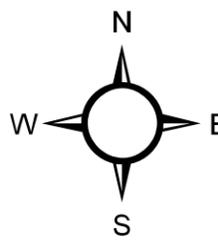


1 inch = 634 feet

**Legend**

 Bus Stop

 Bus Route



## Route 50 - List of Existing Stops

#	Stop ID	Stop Name - Route 50	Passengers				Distances (feet)		Land Use	Amenities			Access					Stop Detail		RECOMMENDATION	New Distance Between Stops
			Daily On	Daily Off	Daily Total	% of Route	To Previous Stop	To Next Stop		Seat	Shelter	Info Box	Sidewalk	Sidewalk > 5'	Lighting	Crosswalk	Crosswalk Control	Transfer	Community Resource		
1	12691	ERDMAN AVE & ANNETTA AVE wb opp	153	84	237	4.6%	0	384	URBAN										No change		
2	4134	ERDMAN AVE & BELAIR RD wb	466	229	695	13.5%	384	453	URBAN										No Change		
3	6342	MANNASOTA AVE & LAKE AV eb	14	6	20	0.4%	1081	260	URBAN										No Change		
4	6343	MANNASOTA & BRENDAN AVE eb	10	3	13	0.3%	260	214	URBAN	No	No	No	Yes	No	Yes	Yes	Stop	No	Eliminate	944	
5	6344	MANNASOTA & KENTUCKY AV eb	0	0	0	0.0%	214	470	URBAN							N/A		Brehms Lane E.S.	Not found/ Eliminate		
	New 6345	MANNASOTA & CHESTERFIELD AVE					470	250	URBAN				Yes	No	Yes	Yes	Signal	No	Brehms Lane E.S.	New - Relocated	
6	6345	MANNASOTA & KENYON AVE eb	12	6	18	0.3%	250	276	URBAN	No	No	No	Yes	No	Yes	No	Stop	No	Relocate to Chesterfield Ave	778	
7	6346	MANNASOTA & DUDLEY AVE eb	4	4	8	0.2%	276	252	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate		
8	6347	MANNASOTA & RAMONA AVE eb	3	3	6	0.1%	252	253	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	No change		
9	6348	MANNASOTA & SHANNON AVE eb	3	3	6	0.1%	253	512	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate	1241	
10	6349	MANNASOTA & PARKSIDE fs	1	0	1	0.0%	512	476	URBAN										Not found/ Eliminate		
11	6350	MANNASOTA AVE & SHELDON AVE	17	15	32	0.6%	476	593	URBAN	Yes	No	No	Yes	No	No	No	N/A	No	Parkside Methodist Church	No Change	
12	6351	BOWLEYS & GREENHILL AV sb	12	11	23	0.4%	593	269	URBAN	No	No	No	Yes	No	No	No	N/A	No	Eliminate	862	
13	6352	BOWLEYS & PLAINFIELD AV sb	14	21	35	0.7%	269	672	URBAN												
		BOWLEYS & PLAINFIELD AV sb (2nd)					672	650	URBAN	No	No	No	Yes	No	No	No	N/A	No	Relocate to Gunther Ave	1322	
14	New	Bowleys Ln & Gunther Ave EB				0.0%	650	768	URBAN										New - Relocated		
15	6353	BOWLEYS LA & ELISON AV sb	11	10	21	0.4%	768	974	URBAN										No change		
16	10557	BOWLEYS LA & SINCLAIR LA sb	31	45	76	1.5%	974	755	URBAN										No change		
17	902	SINCLAIR LN & EASTBURY OP E/B	6	34	40	0.8%	755	535	URBAN	No	No	No	Yes	No	No	No	N/A	Yes	Eliminate	1290	
18	12716	SINCLAIR LN & MORAVIA RD ns eb	12	96	108	2.1%	535	1408	URBAN										Consider Additional Stops		
19	12715	MORAVIA RD & TRUESDALE AVE sb	2	18	20	0.4%	1408	1461	URBAN												
20	12689	MORAVIA PARK DR & SR APTS opp eb	23	15	38	0.7%	1461	2210	URBAN												
21	5930	FRNKFORD & RELCREST RD nb	48	15	63	1.2%	2210	1060	URBAN												
22	5931	FRANKFORD & FORCE RD f/s nb	51	16	67	1.3%	1060	1098	URBAN										No change		
23	929	SINCLAIR LN & FRANKFORD fs wb	469	120	589	11.4%	1098	580	URBAN										No change		
24	930	SINCLAIR LN & GOODNOW W/B	151	44	195	3.8%	580	568	URBAN	Yes	No	No	Yes	No	No	No	N/A	Yes	No change		
25	10558	PARKSIDE SHOPPING CTR	20	17	37	0.7%	568	2404	URBAN										No change		
26	932	SINCLAIR LN & MORAVIA RD f/s wb	507	410	917	17.8%	2404	522	URBAN										No change		
27	12081	SINCLAIR LA & EASTBURY wb	16	8	24	0.5%	522	620	URBAN	No	No	No	Yes	No	Yes	No	N/A	Yes	Eliminate	1142	
28	934	SINCLAIR LN & BOWLEYS W/B	360	45	405	7.9%	620	726	URBAN										No change		
29	10559	SINCLAIR LA & PARKSIDE DR wb	91	13	104	2.0%	726	675	URBAN										No change		
30	936	SINCLAIR LN & SHANNON W/B	27	12	39	0.8%	675	265	URBAN	No	No	No	Yes	No	No	Yes	Signal	Yes	No change		
31	9722	SINCLAIR LN & ARDLEY W/B	28	9	37	0.7%	265	688	URBAN	No	No	No	Yes	No	No	Yes	Signal	Yes	Eliminate	953	
32	6354	SINCLAIR LN & BALFERN AVE	28	9	37	0.7%	688	388	URBAN	No	No	No	Yes	No	No	No	N/A	Yes	Church	No change	
33	6355	SINCLAIR LN & DUDLEY AVE fs wb	189	64	253	4.9%	388	1144	URBAN										No change		
34	6357	CHESTERFIELD & RAVENWOOD nb	20	13	33	0.6%	1144	535	URBAN										No change		
35	6358	CHESTERFIELD & LYNDALY nb	7	9	16	0.3%	535	533	URBAN	No	No	No	Yes	No	Yes	No	N/A	No	Eliminate	1068	
36	6359	CHESTERFIELD & JUNEWAY nb	11	21	32	0.6%	533	323	URBAN	No	No	No	Yes	Yes	No	No	N/A	No	No change		
37	6360	CHESTERFIELD & CLIFTMONT nb	0	1	1	0.0%	323	692	URBAN										Not found/ Eliminate	1291	
38	10560	BREHMS LN & CHESTERFIELD fs wb	4	19	23	0.4%	692	276	URBAN	No	No	No	Yes	Yes	Yes	Yes	None	No	Brehms Lane E.S.		Eliminate
39	12082	BREHMS LA & PELHAM AVE fs wb	5	9	14	0.3%	276	1239	URBAN										No change		
40	12083	BREHMS LA & MAYFIELD AVE wb	1	9	10	0.2%	1239	350	URBAN										No change		
41	12084	BREHMS LA & MANNASOTA AVE wb	1	6	7	0.1%	350	262	URBAN	No	No	No	Yes	No	Yes	No		No	Philadelphia Bible Inst. College and Seminar	Eliminate	612
42	12085	ERDMAN AVE & MANNASOTA AVE fs sb	123	130	253	4.9%	262	742	URBAN	No	No	No	Yes	No	Yes	Yes	Signal	Yes	Har Sinai Cemetery	No change	
43	13667	ERDMAN AVE & CLIFTMONT AVE fs sb	27	57	84	1.6%	742	436	URBAN	No	No	No	Yes	No	No	No		Yes	Monastery	No change	
44	13622	ERDMAN AVE & ELMLEY AVE SB	33	65	98	1.9%	436	890	URBAN										No change		
45	12849	ERDMAN AVE & LIBRARY CENTER	51	117	168	3.3%	890	1813	URBAN										Consider Additional Stop		
46	10561	ERDMAN SHOPPING CTR	0	0	0	0.0%	1813	909	URBAN												
47	10739	EDISON HWY & ELMORA AVE NB	1	0	1	0.0%	909	526	URBAN										Under Construction		
48	10740	EDISON HWY & ELMLEY AVE NB	1	4	5	0.1%	526	487	URBAN	No	No	No	Yes	No	No	Yes	Signal	No	Catholic School of Baltimore	No change	
49	4131	EDISON HWY & CLIFTMONT nb	0	0	0	0.0%	487	1118	URBAN										No change		
50	12691	ERDMAN AVE & ANNETTA AVE wb opp	153	84	237	4.6%	1118	0	URBAN										No change		

- Stops distance more than recommended
- Stops distance less than recommended
- Stops recommended for elimination

## Mannasota Ave & Brendan Ave EB (6343)



### Bus Stop Data:

Daily Passenger Boarding:	10
Daily Passenger Alighting:	3
Total Daily Passengers:	13
Distance from Previous Stop:	260'
Distance to Next Stop:	214'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	<input checked="" type="checkbox"/> Yes	No	Signal/ <input type="checkbox"/> Stop/ <input type="checkbox"/> None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change  Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6343 Stop Name: Mansasota & Brendan Ave Eb Land Use Class: URBAN	Daily On: 10 Daily Off: 3 Daily Total: 13	To Next Stop: 214 ft. To Previous Stop: 260 ft. Between Stops If Eliminated: 474 ft.	 Bus Stop  Bus Route

**Mannasota Ave & Kentucky Ave EB (6344) NOT FOUND**



Bus Stop Data:

Daily Passenger Boarding: 0  
 Daily Passenger Alighting: 0  
 Total Daily Passengers: 0  
 Distance from Previous Stop: 214'  
 Distance to Next Stop: 470'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	Brehms Lane Elementary School
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6344 Stop Name: Mannasota & Kentucky Av Eb Land Use Class: URBAN	Daily On: 0 Daily Off: 0 Daily Total: 0	To Next Stop: 470 ft. To Previous Stop: 214 ft. Between Stops If Eliminated: 684 ft.	 Bus Stop  Bus Route

## Mannasota Ave & Chesterfield Ave EB (Relocated 6345)



### Bus Stop Data:

Daily Passenger Boarding:	N/A
Daily Passenger Alighting:	N/A
Total Daily Passengers:	N/A
Distance from Previous Stop:	470'
Distance to Next Stop:	250'

### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	<input checked="" type="checkbox"/>	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/>	No	
Proximity to Pedestrian Crosswalk	<input checked="" type="checkbox"/>	No	<input type="checkbox"/> Signal/ <input type="checkbox"/> Stop/ <input type="checkbox"/> None
Proximity to Community Resource	<input checked="" type="checkbox"/>	No	<input type="checkbox"/> Brehms Lane <input type="checkbox"/> Elementary School
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

Relocate from Mannasota Ave & Kenyon Ave



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: Stop Name: Mannasota & Chesterfield Ave Eb Land Use Class: URBAN	Daily On: Daily Off: Daily Total:	To Next Stop: 250 ft. To Previous Stop: 470 ft. Between Stops If Eliminated: 720 ft.	 Bus Stop  Bus Route

## Mannasota Ave & Kenyon Ave EB (6345)



### Bus Stop Data:

Daily Passenger Boarding:	12
Daily Passenger Alighting:	6
Total Daily Passengers:	18
Distance from Previous Stop:	250'
Distance to Next Stop:	276'

### Observation Summary:

Stop Placement	<input type="checkbox"/> Far-Side	<input type="checkbox"/> Near-Side	<input type="checkbox"/> Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/ <input type="checkbox"/> Stop/ <input type="checkbox"/> None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**



**Line Name: Belair Edison Shuttle**  
**Line Number: 50**  
**Stop ID: 6345**  
**Stop Name: Mannasota & Kenyon Ave Eb**  
**Land Use Class: URBAN**

**Ridership**

Daily On: 12  
 Daily Off: 6  
 Daily Total: 18

**Measures**

To Next Stop: 276 ft.  
 To Previous Stop: 250 ft.  
 Between Stops If Eliminated: 526 ft.

**Legend**

- ◆ Bus Stop
- Bus Route

## Mannasota Ave & Dudley Ave EB (6346)



### Bus Stop Data:

Daily Passenger Boarding:	4
Daily Passenger Alighting:	4
Total Daily Passengers:	8
Distance from Previous Stop:	276'
Distance to Next Stop:	252'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**                      No Change                       Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6346 Stop Name: Mannasota & Dudley Ave Eb Land Use Class: URBAN	Daily On: 4 Daily Off: 4 Daily Total: 8	To Next Stop: 252 ft. To Previous Stop: 276 ft. Between Stops If Eliminated: 528 ft.	 Bus Stop  Bus Route

## Mannasota Ave & Shannon Ave EB (6348)



### Bus Stop Data:

Daily Passenger Boarding:	3
Daily Passenger Alighting:	3
Total Daily Passengers:	6
Distance from Previous Stop:	253'
Distance to Next Stop:	512'

### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change

Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6348 Stop Name: Mannasota & Shannon Ave Eb Land Use Class: URBAN	Daily On: 3 Daily Off: 3 Daily Total: 6	To Next Stop: 512 ft. To Previous Stop: 253 ft. Between Stops If Eliminated: 765 ft.	 Bus Stop  Bus Route

**Mannasota Ave & Parkside Ave EB (6349) NOT FOUND**



Bus Stop Data:

Daily Passenger Boarding:	1
Daily Passenger Alighting:	0
Total Daily Passengers:	1
Distance from Previous Stop:	512'
Distance to Next Stop:	476'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 6349 Stop Name: Mannasota & Parkside Fs Land Use Class: URBAN	Daily On: 1 Daily Off: 0 Daily Total: 1	To Next Stop: 476 ft. To Previous Stop: 512 ft. Between Stops If Eliminated: 988 ft.	 Bus Stop  Bus Route

## Bowleys Ln & Greenhill Ave SB (6351)



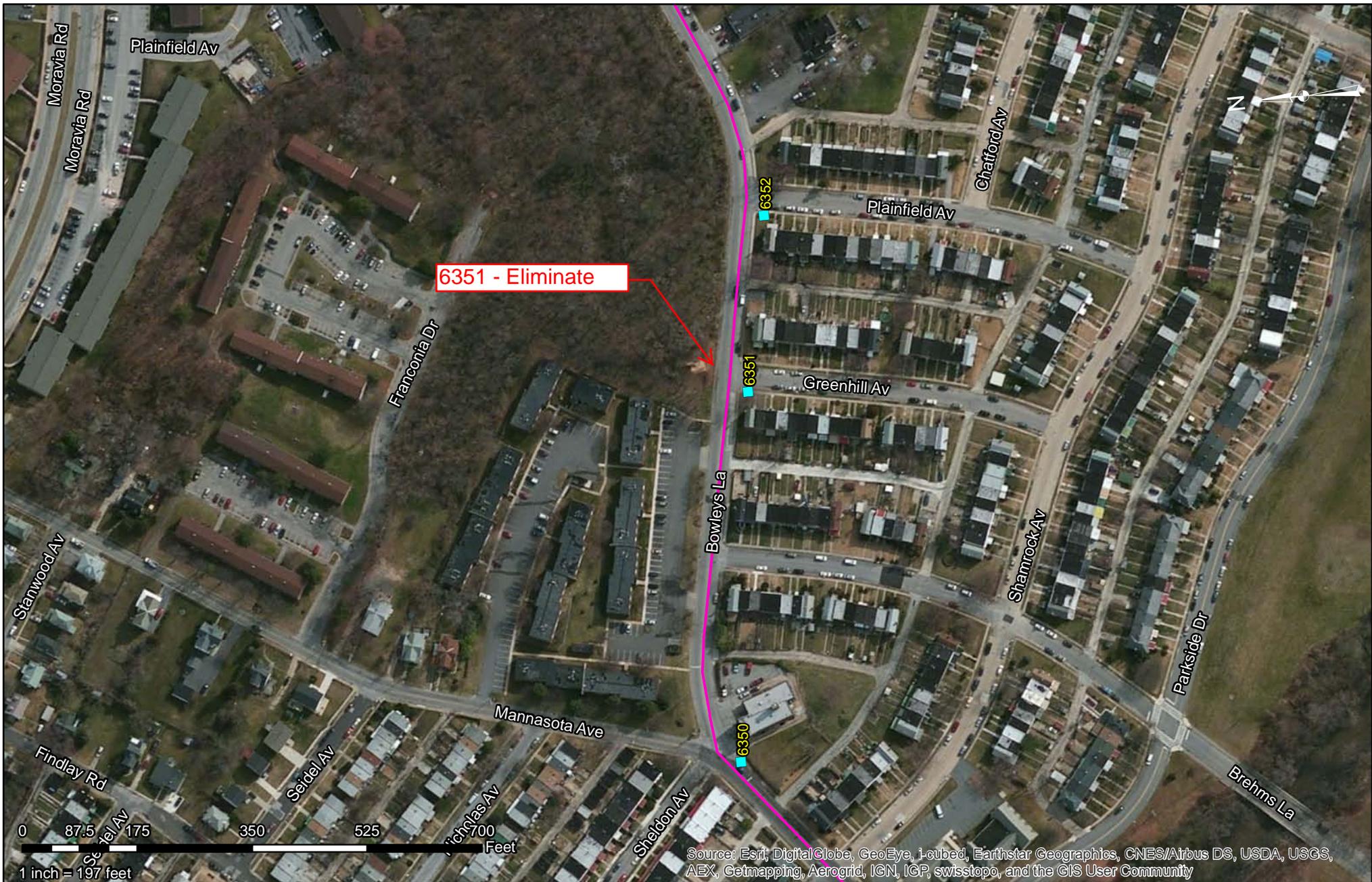
### Bus Stop Data:

Daily Passenger Boarding:	12
Daily Passenger Alighting:	11
Total Daily Passengers:	23
Distance from Previous Stop:	593'
Distance to Next Stop:	269'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**                      No Change                       Eliminate



**Line Name: Belair Edison Shuttle**  
**Line Number: 50**  
**Stop ID: 6351**  
**Stop Name: Bowleys & Greenhill Av Sb**  
**Land Use Class: URBAN**

**Ridership**

Daily On: 12  
 Daily Off: 11  
 Daily Total: 23

**Measures**

To Next Stop: 269 ft.  
 To Previous Stop: 593 ft.  
 Between Stops If Eliminated: 862 ft.

**Legend**

- Bus Stop
- Bus Route

**Bowleys Ln & Plainfield Ave SB (2<sup>nd</sup>) (NO ID - NOT LISTED)**



Bus Stop Data:

Daily Passenger Boarding: N/A  
 Daily Passenger Alighting: N/A  
 Total Daily Passengers: N/A  
 Distance from Previous Stop: 672'  
 Distance to Next Stop: 650'

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Relocate to Bowley's Ln & Gunther Ave



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID:</b> <b>Stop Name: Bowleys &amp; Plainfield Av Sb</b> <b>Land Use Class: URBAN</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: Daily Off: Daily Total:	To Next Stop: 650 ft. To Previous Stop: 672 ft. Between Stops If Eliminated: 1322 ft.	<span style="color: cyan;">■</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

**Bowleys Ln & Gunther Ave EB (NO ID)**



Bus Stop Data:

Daily Passenger Boarding: N/A  
 Daily Passenger Alighting: N/A  
 Total Daily Passengers: N/A  
 Distance from Previous Stop: 650' (\*estimated distance)  
 Distance to Next Stop: 768' (\*estimated distance)

Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Relocate from Bowley's Ln & Plainfield Ave (2<sup>nd</sup>)



<b>Line Name:</b> Belair Edison Shuttle <b>Line Number:</b> 50 <b>Stop ID:</b> <b>Stop Name:</b> <del>Bowleys &amp; Plainfield Av Sb</del> Gunther Ave <b>Land Use Class:</b> URBAN	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: Daily Off: Daily Total:	To Next Stop: 768 ft. To Previous Stop: 650 ft. Between Stops If Eliminated: 1418 ft.	<span style="color: cyan;">■</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

## Sinclair Ln & Eastbury Ave Op EB (902)

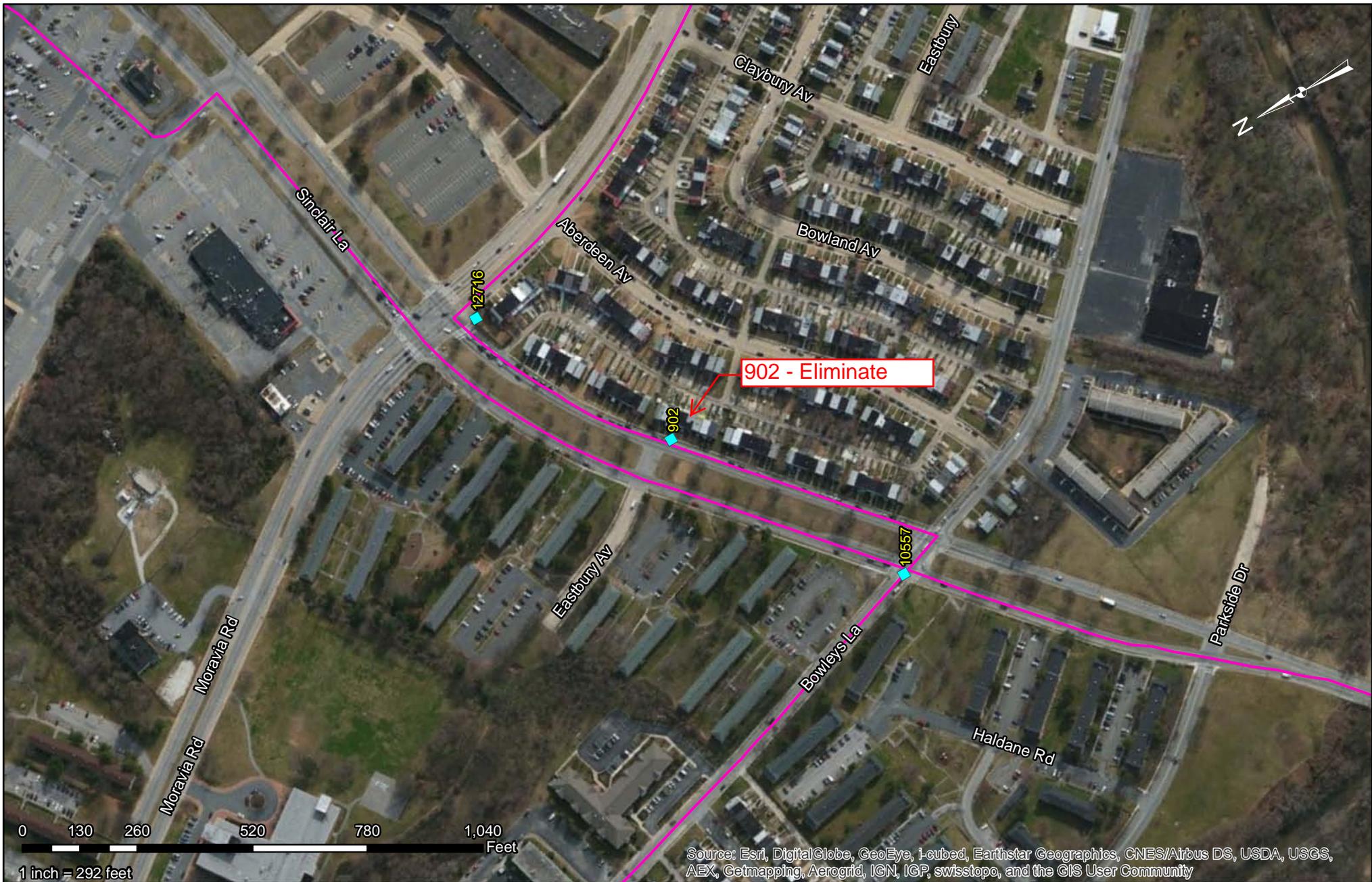


### Bus Stop Data:

Daily Passenger Boarding:	6
Daily Passenger Alighting:	34
Total Daily Passengers:	40
Distance from Previous Stop:	755'
Distance to Next Stop:	532'

### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 5, 33
<b>Recommendation</b>	No Change	<input type="checkbox"/> Eliminate	



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 902 Stop Name: Sinclair Ln & Eastbury Op E/B Land Use Class: URBAN	Daily On: 6 Daily Off: 34 Daily Total: 40	To Next Stop: 535 ft. To Previous Stop: 755 ft. Between Stops If Eliminated: 1290 ft.	 Bus Stop  Bus Route

## Sinclair Ln & Eastbury Ave Op WB (12081)



### Bus Stop Data:

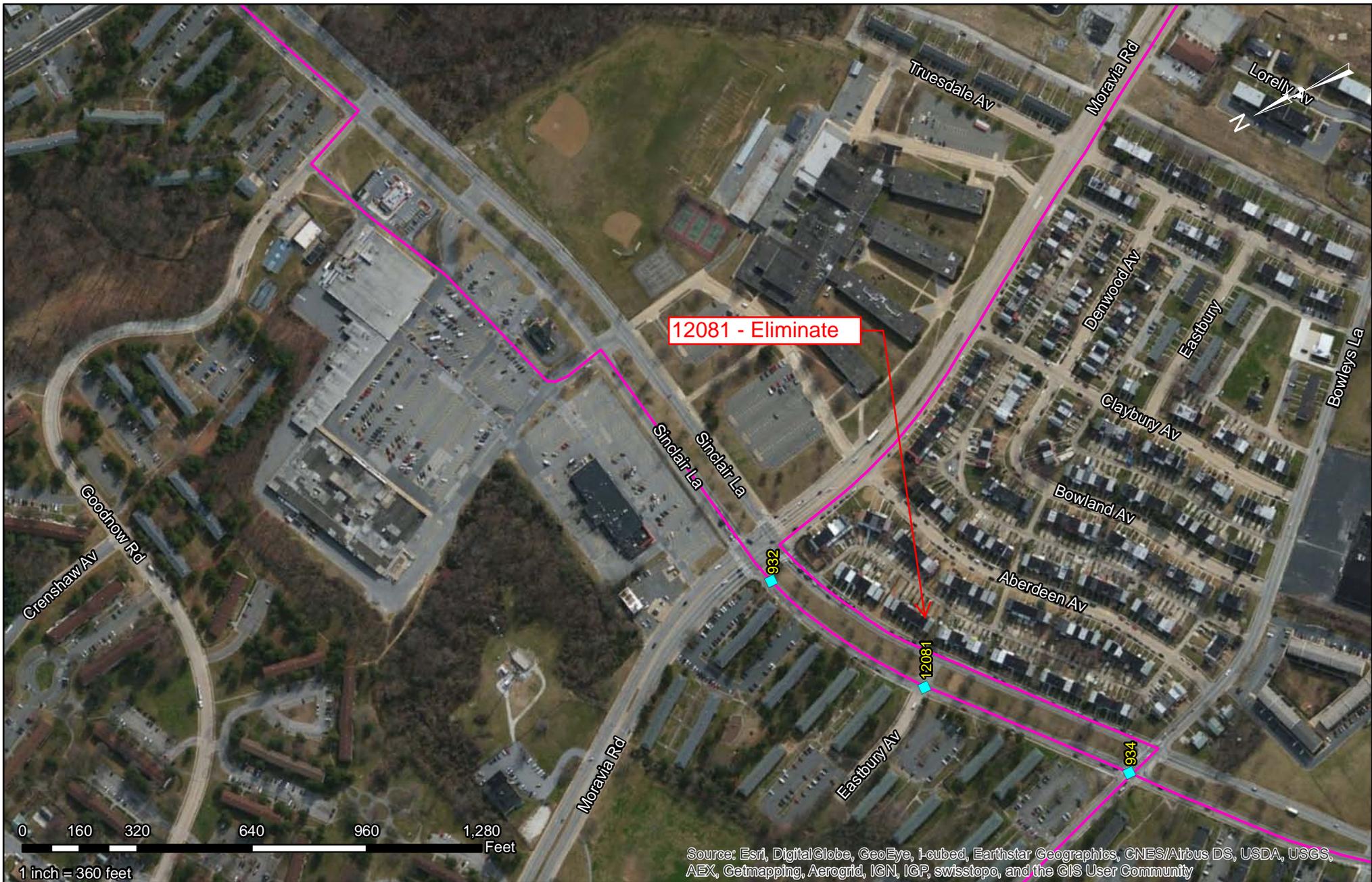
Daily Passenger Boarding:	16
Daily Passenger Alighting:	8
Total Daily Passengers:	24
Distance from Previous Stop:	522'
Distance to Next Stop:	620'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> Route No. 5, 24, 33

### **Recommendation**

No Change  Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 12081 Stop Name: Sinclair La & Eastbury Wb Land Use Class: URBAN	Daily On: 16 Daily Off: 8 Daily Total: 24	To Next Stop: 620 ft. To Previous Stop: 522 ft. Between Stops If Eliminated: 1142 ft.	 Bus Stop  Bus Route

## Sinclair Ln & Ardley Ave WB (9722)



### Bus Stop Data:

Daily Passenger Boarding:	28
Daily Passenger Alighting:	9
Total Daily Passengers:	37
Distance from Previous Stop:	265'
Distance to Next Stop:	688'

### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<5'
Lighting	Yes	<input type="checkbox"/> No	
Proximity to Pedestrian Crosswalk	<input type="checkbox"/> Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	<input type="checkbox"/> Yes	No	Route No. 5, 24
<b>Recommendation</b>	No Change	<input type="checkbox"/> Eliminate	



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 9722 Stop Name: Sinclair Ln & Ardley W/B Land Use Class: URBAN	Daily On: 28 Daily Off: 9 Daily Total: 37	To Next Stop: 688 ft. To Previous Stop: 265 ft. Between Stops If Eliminated: 953 ft.	 Bus Stop  Bus Route

## Chesterfield Ave & Lyndale Ave NB (6358)



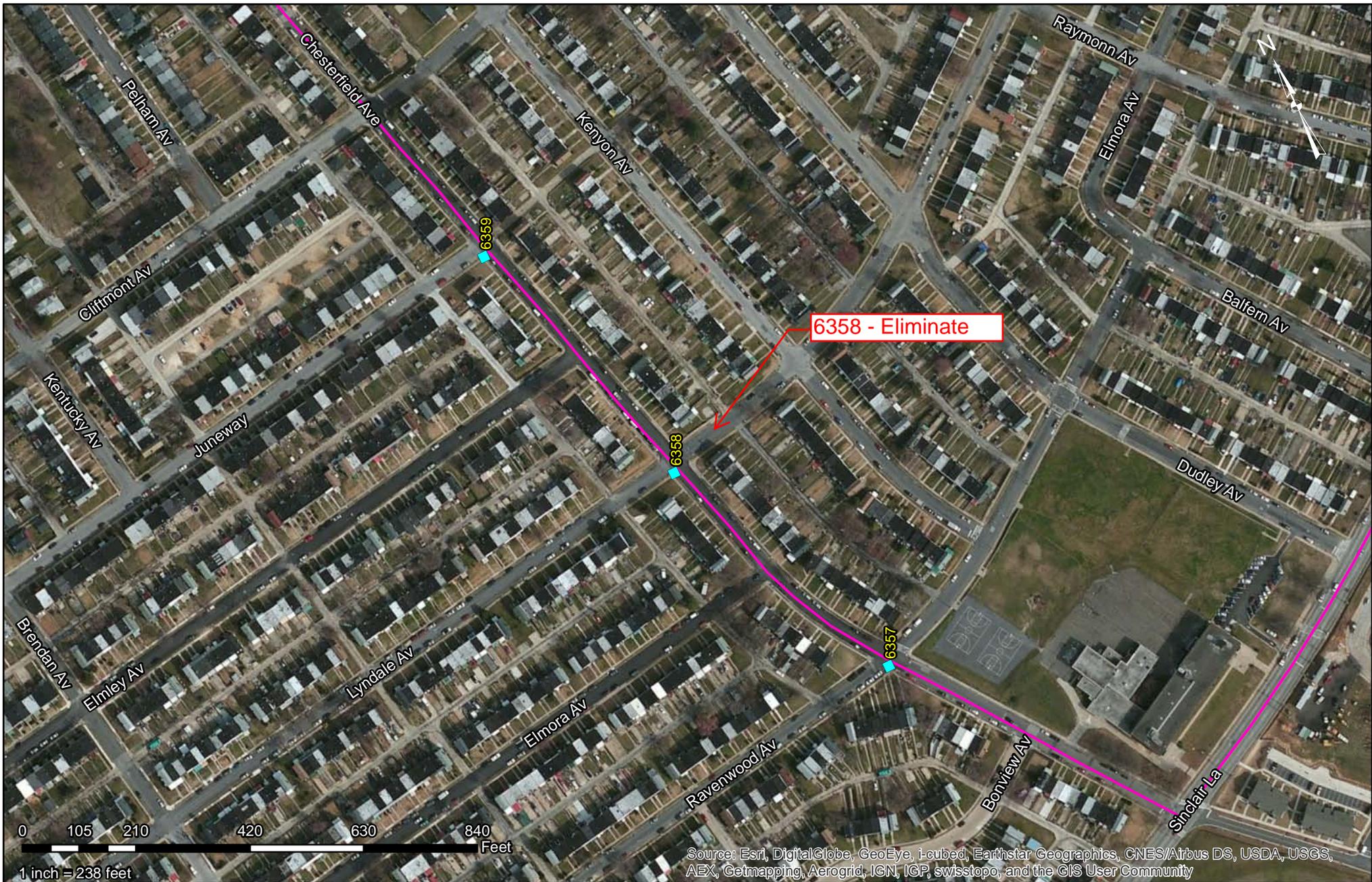
### Bus Stop Data:

Daily Passenger Boarding:	7
Daily Passenger Alighting:	9
Total Daily Passengers:	16
Distance from Previous Stop:	535'
Distance to Next Stop:	533'

### Observation Summary:

Stop Placement	Far-Side	<input checked="" type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input checked="" type="checkbox"/> Yes	No	<input type="checkbox"/> <5'
Lighting	<input checked="" type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	Yes	<input type="checkbox"/> No	
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

**Recommendation**                      No Change                       Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
<b>Stop ID: 6358</b> <b>Stop Name: Chesterfield &amp; Lyndale Nb</b> <b>Land Use Class: URBAN</b>	Daily On: 7 Daily Off: 9 Daily Total: 16	To Next Stop: 533 ft. To Previous Stop: 535 ft. Between Stops If Eliminated: 1068 ft.	 Bus Stop  Bus Route

**Chesterfield Ave & Clifmont Ave NB (6360) NOT FOUND**



Bus Stop Data:

Daily Passenger Boarding:	0
Daily Passenger Alighting:	1
Total Daily Passengers:	1
Distance from Previous Stop:	323'
Distance to Next Stop:	692'

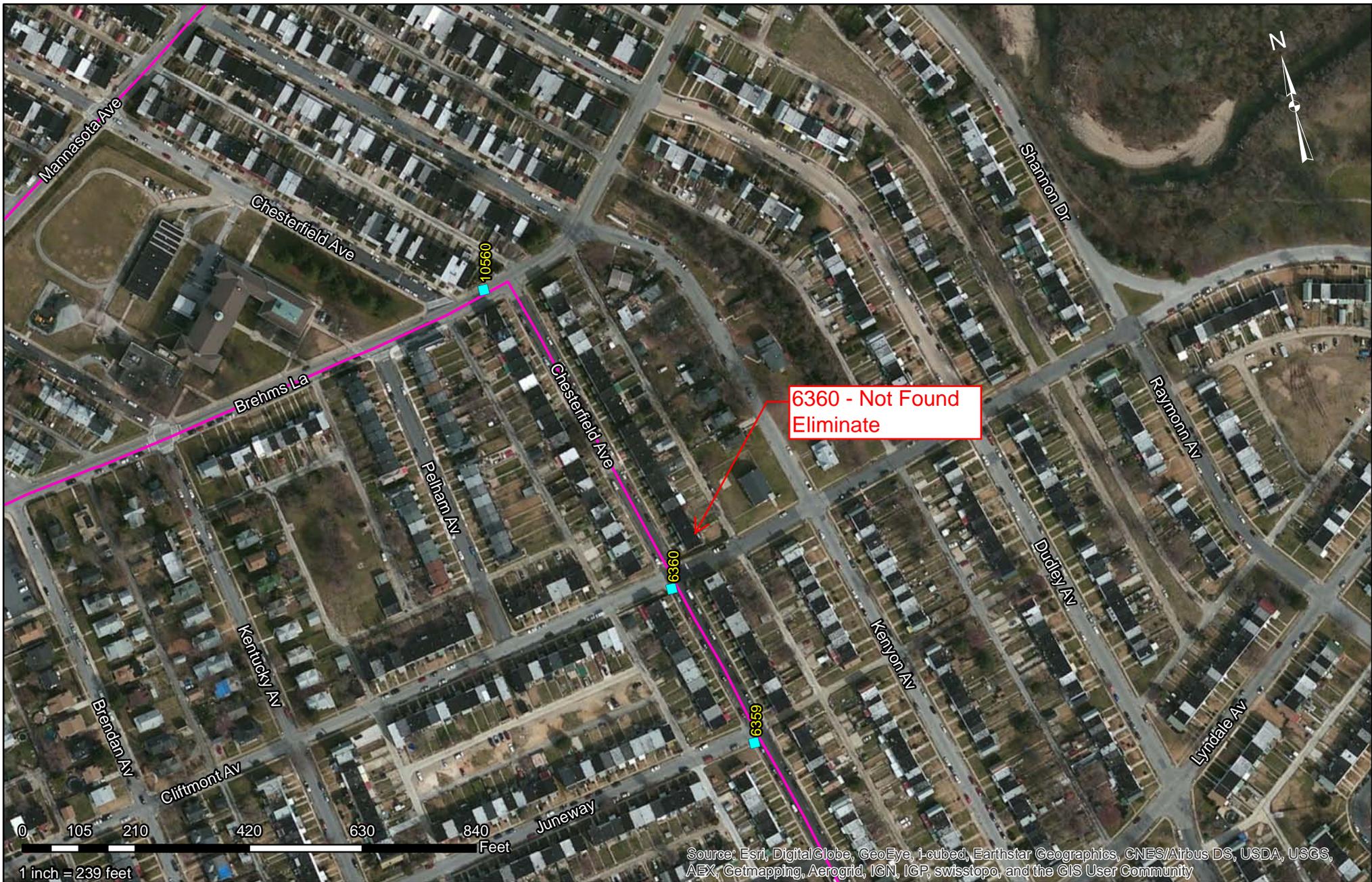
Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	No	
Shelter	Yes	No	
Information Box	Yes	No	
Sidewalks	Yes	No	<5'
Lighting	Yes	No	
Proximity to Pedestrian Crosswalk	Yes	No	Signal/Stop/None
Proximity to Community Resource	Yes	No	
Transfer/ Transit Connection Location	Yes	No	

**Recommendation**

Not found – eliminate stop from route

*Note: Bus stop discontinued in 2012; remove from database*



<b>Line Name: Belair Edison Shuttle</b> <b>Line Number: 50</b> <b>Stop ID: 6360</b> <b>Stop Name: Chesterfield &amp; Clifftont Nb</b> <b>Land Use Class: URBAN</b>	<b>Ridership</b>	<b>Measures</b>	<b>Legend</b>
	Daily On: 0 Daily Off: 1 Daily Total: 1	To Next Stop: 692 ft. To Previous Stop: 323 ft. Between Stops If Eliminated: 1015 ft.	<span style="color: magenta;">■</span> Bus Stop <span style="color: magenta;">—</span> Bus Route

## Brehms Ln & Chesterfield Ave WB (10560)



### Bus Stop Data:

Daily Passenger Boarding:	4
Daily Passenger Alighting:	19
Total Daily Passengers:	23
Distance from Previous Stop:	692'
Distance to Next Stop:	276'

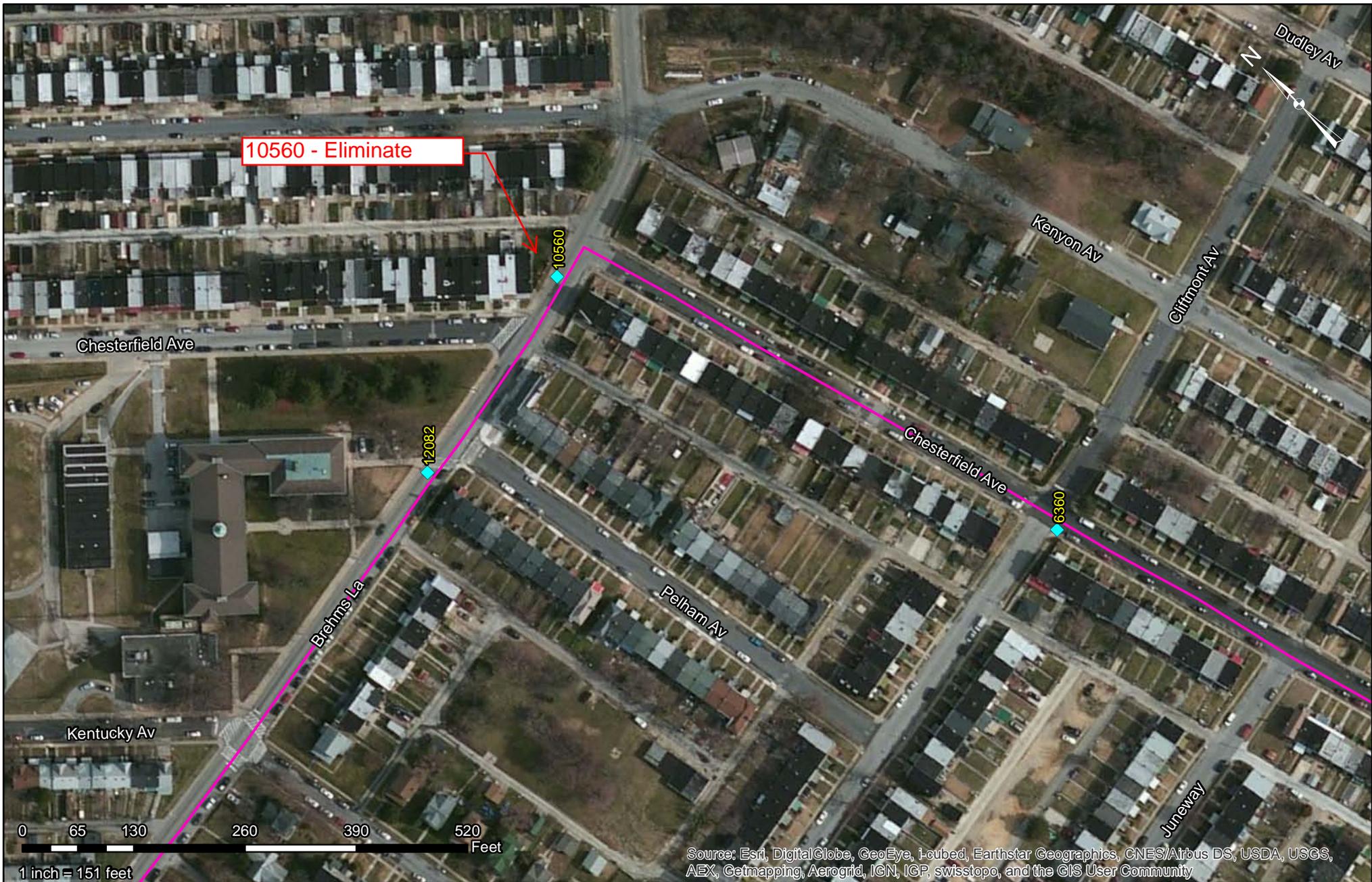
### Observation Summary:

Stop Placement	Far-Side	<input type="checkbox"/> Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<input type="checkbox"/> >5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	<input type="checkbox"/> Yes	No	Signal/Stop/ <input type="checkbox"/> None
Proximity to Community Resource	<input type="checkbox"/> Yes	No	<input type="checkbox"/> Brehms Lane Elementary School
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change  Eliminate

Bus Stop Optimization Pilot 40  
August 2014



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
Stop ID: 10560 Stop Name: Brehms Ln & Chesterfield Fs Wb Land Use Class: URBAN	Daily On: 4 Daily Off: 19 Daily Total: 23	To Next Stop: 276 ft. To Previous Stop: 692 ft. Between Stops If Eliminated: 968 ft.	 Bus Stop  Bus Route

## Brehms Ln & Mannasota Ave WB (12084)



### Bus Stop Data:

Daily Passenger Boarding: 1  
 Daily Passenger Alighting: 6  
 Total Daily Passengers: 7  
 Distance from Previous Stop: 350'  
 Distance to Next Stop: 262'

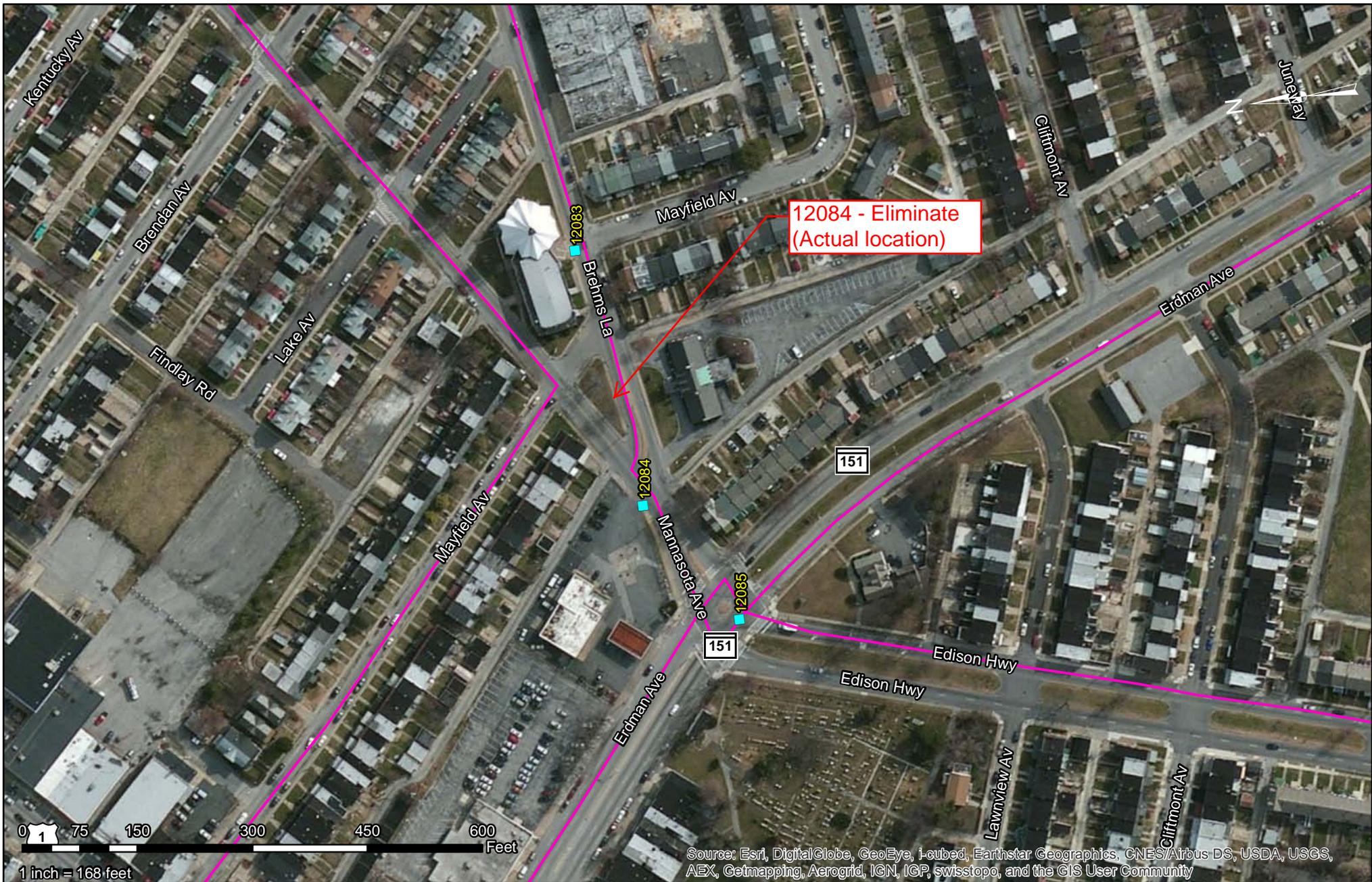
### Observation Summary:

Stop Placement	Far-Side	Near-Side	Midblock
Seating	Yes	<input type="checkbox"/> No	
Shelter	Yes	<input type="checkbox"/> No	
Information Box	Yes	<input type="checkbox"/> No	
Sidewalks	<input type="checkbox"/> Yes	No	<5'
Lighting	<input type="checkbox"/> Yes	No	
Proximity to Pedestrian Crosswalk	Yes	<input type="checkbox"/> No	Signal/Stop/None
Proximity to Community Resource	<input type="checkbox"/> Yes	No	Philadelphia Bible Inst. College & Seminary
Transfer/ Transit Connection Location	Yes	<input type="checkbox"/> No	

### **Recommendation**

No Change

Eliminate



Line Name: Belair Edison Shuttle Line Number: 50	Ridership	Measures	Legend
<b>Stop ID: 12084</b> <b>Stop Name: Brehms La &amp; Mannasota Ave Wb</b> <b>Land Use Class: URBAN</b>	Daily On: 1 Daily Off: 6 Daily Total: 7	To Next Stop: 262 ft. To Previous Stop: 350 ft. Between Stops If Eliminated: 612 ft.	 Bus Stop  Bus Route