



PRESENTATION OVERVIEW

(1) Neighborhood Transportation Issues

- Bike Network
- Vehicular Network

(2) Clinton Avenue

- Pedestrian Environment
- Safety
- Opportunities

(3) Proposal

- One-way Conversion
- Protected Bike Lanes
- Intersection Safety Improvements
- Loading Zones
- Bike Connection to Vanderbilt Ave
- Potential New Crossings at Atlantic Ave

(4) Summary



NEIGHBORHOOD TRANSPORTATION OVERVIEW

PROJECT AREA

Fort Greene / Clinton Hill neighborhood has many local destinations: schools, colleges, churches, and commercial districts

Project Extents:

- Clinton Ave: Flushing Ave to Gates Ave
- Gates Ave: Clinton Ave to Vanderbilt Ave





COMMUNITY OUTREACH

- Engaged over 1,000 people at 16 outreach events conducted at 12 locations near project site between April 12 and April 27
- Surveyed 430+ people 80% pedestrians, 20% cyclists
- Distributed 1,446 informational cards
- Received more than 1,096 responses to on-line surveys (Compiled April 7 to May 17 for presentation)
- Held stakeholder meetings with
 - St Joseph's College
 - Pratt Institute
 - Brooklyn Navy Yard
 - Fort Greene Association / Society for Clinton Hill
 - Elected Officials
 - FDNY



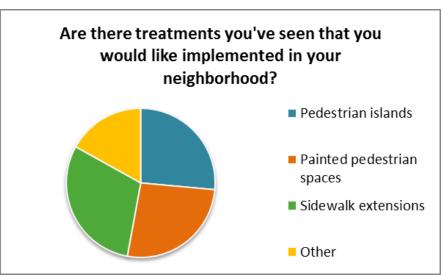


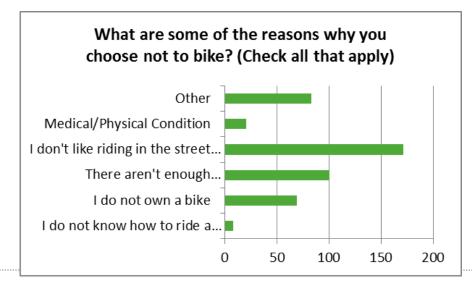




COMMUNITY OUTREACH - Survey







1,528 Survey Responses

In person: 432

(Events held between 04/12 - 04/27)

- Pedestrians 347
- Cyclists 85
- Online Portal: 1,096

(Online Portal open between 04/07 – 05/17)

- Pedestrians 503
- Cyclists 503

BICYCLE NETWORK



BICYCLE NETWORK – Existing Conditions on Vanderbilt Ave





VEHICULAR NETWORK – North/South Routes



STREET SPACE ALLOCATION



VEHICULAR NETWORK – Clinton Ave



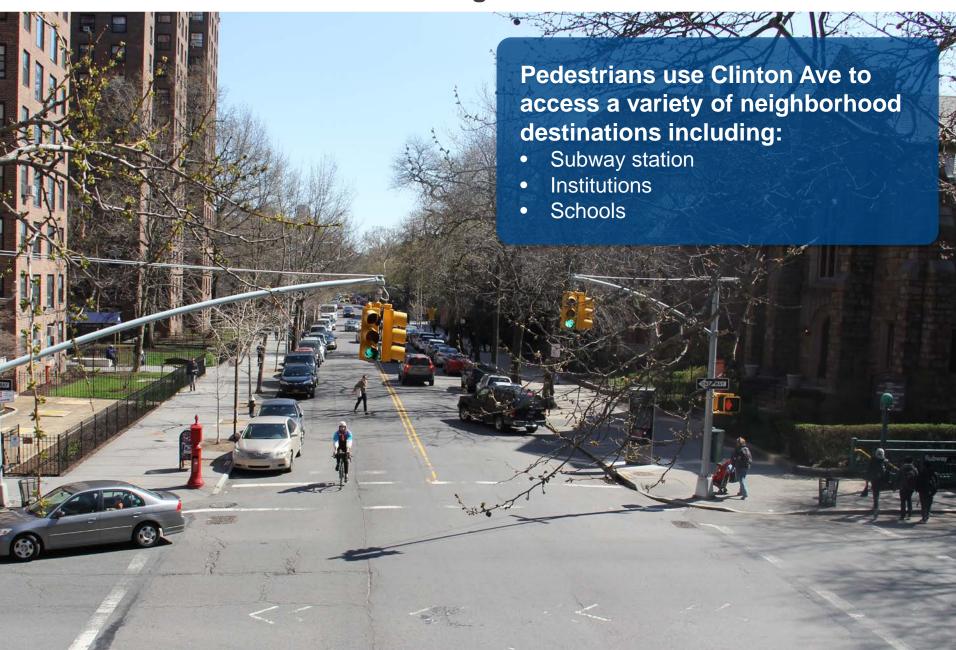
CLINTON AVE CONTEXT



PEDESTRIAN ENVIRONMENT – Historic Setting



PEDESTRIAN ENVIRONMENT – Neighborhood Destinations



SAFETY – Issues on Clinton Ave

 Relatively low volumes and excess width lead to speeding and erratic driving 24% of off-peak northbound vehicles were speeding

 Lack of dedicated bike space encourages riding on sidewalk and wrong-way riding

 Wide street creates long pedestrian crossings

2 cyclists and 3 Motor Vehicle Occupants severely injured in the project area 2010-2014







SAFETY – Neighborhood Bike Safety



Vanderbilt Ave

- Main north/south bike route in neighborhood
- 1,900+ cyclists counted in 12 hour day

11 cyclists severely injured Vanderbilt Ave, 2010-2014



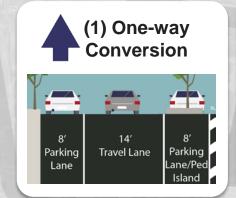
OPPORTUNITIES FOR TRANSPORTATION IMPROVEMENTS



PROPOSED IMPROVEMENTS



PROPOSAL OVERVIEW







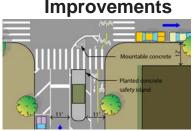




(5) Bike
Connection to
Vanderbilt Ave



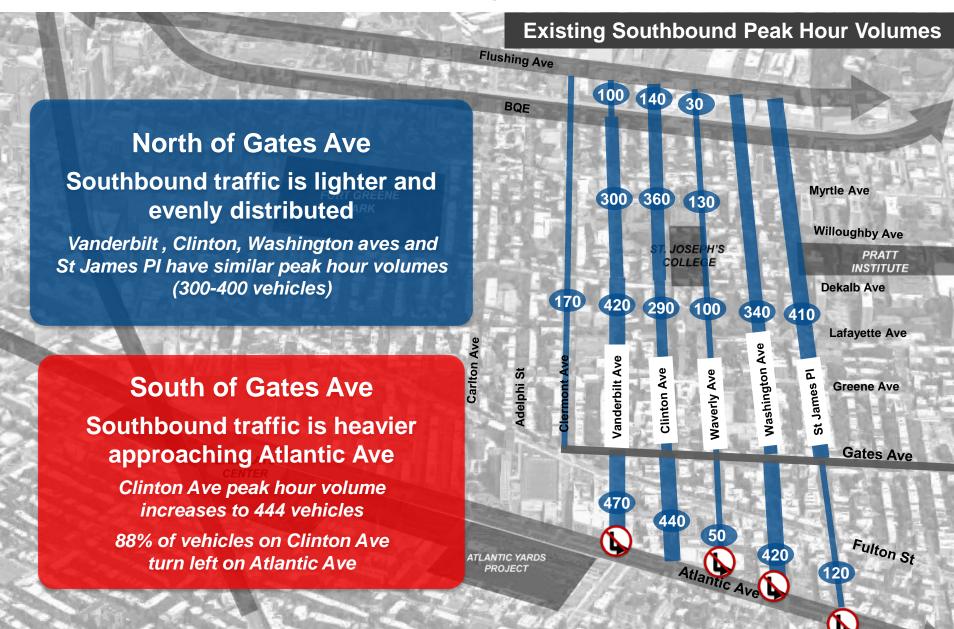
(3) Intersection
Safety
Improvements



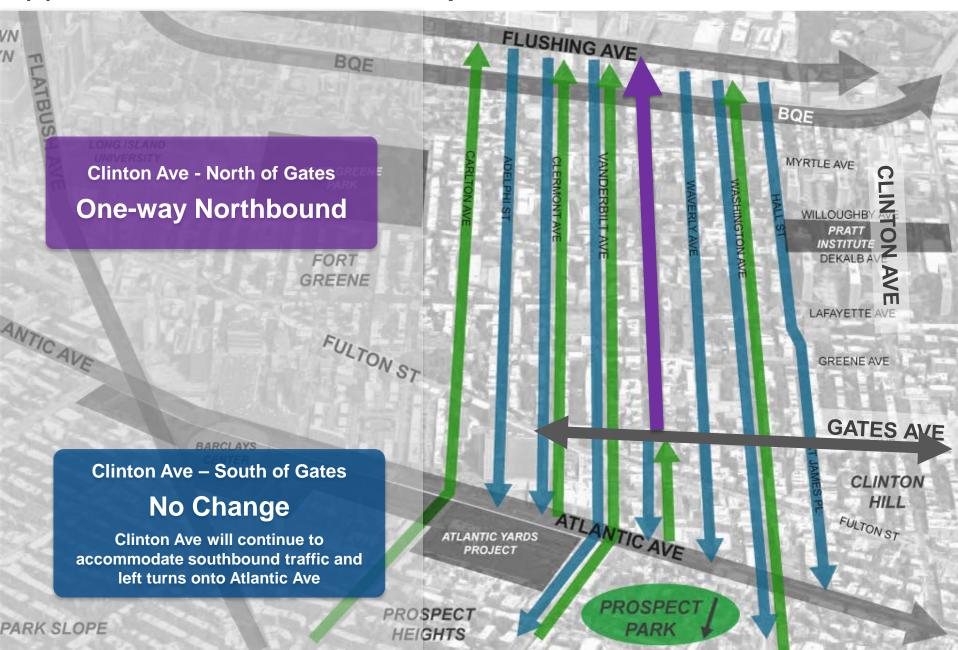




(1) ONE-WAY CONVERSION – Existing Traffic Distribution



(1) ONE-WAY CONVERSION – Proposed Street Network



(1) ONE-WAY CONVERSION – Potential Traffic Distribution Scenarios

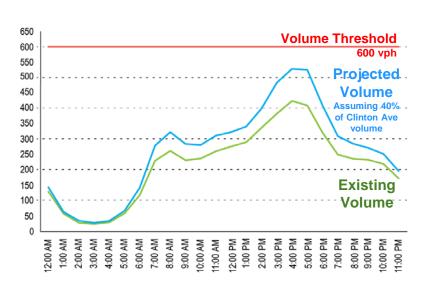
CLINTON AVE

Southbound Streets
WEST OF CLINTON AVE

Adelphi St

Clermont Ave

Vanderbilt Ave

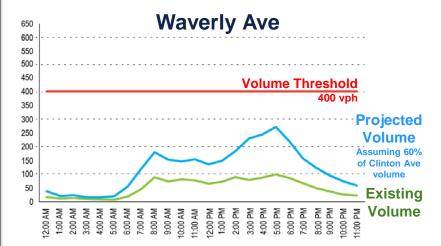


Multiple alternative southbound streets

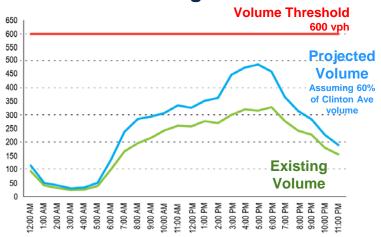
Maximum Expected Volume Diversion on proximate southbound streets

West of Clinton Ave – 40% East of Clinton Ave 60%

Southbound Streets EAST OF CLINTON AVE



Washington Ave

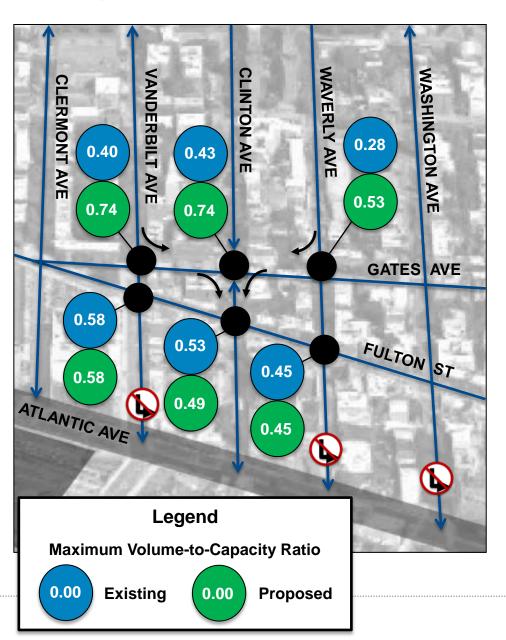


Hall St/St James PI

(1) ONE-WAY CONVERSION – Traffic Analysis

South of Gates Ave

- Southbound vehicles will likely use Gates Ave to return to Clinton Ave and head east on Atlantic Ave
- Intersection analysis shows that additional vehicle volumes can be processed
- Signal timing change at Gates Ave can accommodate increase in vehicles turning onto Clinton Ave



(2) TWO-WAY PROTECTED BIKE LANE

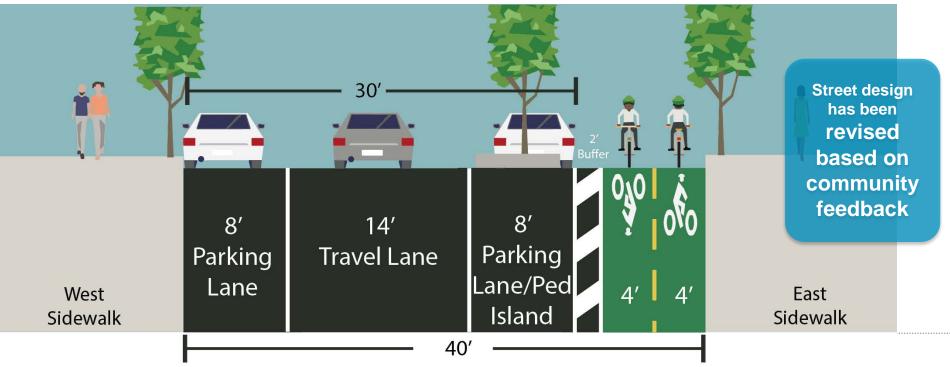
Existing



Protected Bike Lane

- Separates bikes from vehicular traffic
- Accommodates high cyclist volumes
- Provides family-friendly connection to Brooklyn Waterfront Greenway and bridges to Manhattan

Proposed

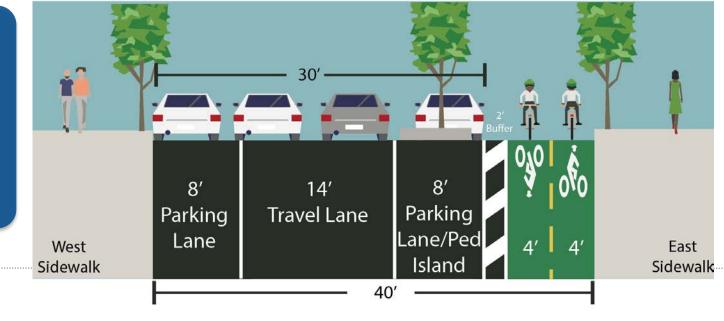


(2) TWO-WAY PROTECTED BIKE LANE – Street Width Functionality





30 feet is a standard NYC street width that allows through movements and some loading/unloading



(3) LOADING ZONES

Loading zones can be added to improve curb access at select locations including:

 Saint Joseph's College already requested



(4) INTERSECTION SAFETY IMPROVEMENTS

1 One-way Conversion

 Reduces the number of conflicts between vehicles, pedestrians, and cyclists

2 Pedestrian Safety Islands

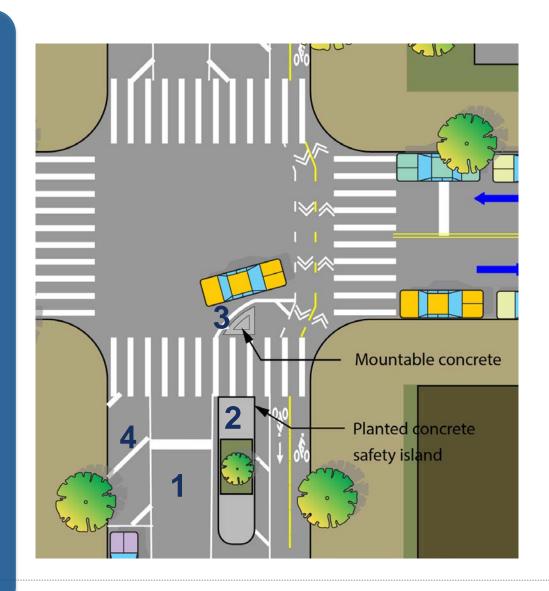
- Shorten crossing distance
- Provide planting opportunities

3 Mountable Concrete Safety Islands

 Reduce speed of turning vehicles while maintaining emergency vehicle access

4 Daylighting

 Improves visibility of pedestrians in crosswalks for turning vehicles



PROPOSED DESIGN RENDERING FOR CLINTON AVE



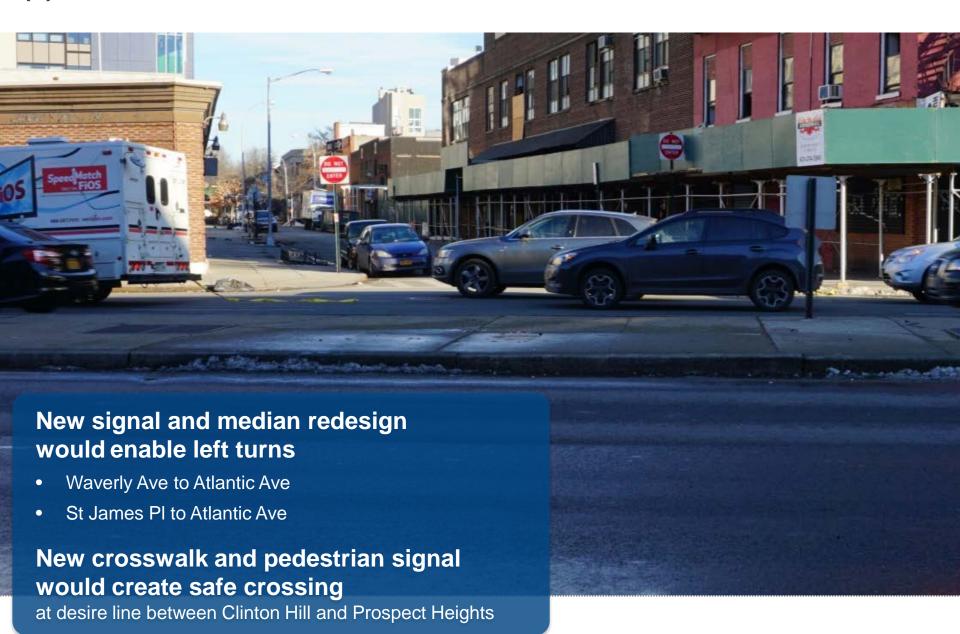
(5) BIKE CONNECTION TO VANDERBILT AVE



(5) BIKE CONNECTION TO VANDERBILT AVE



(6) POTENTIAL NEW CROSSINGS AT ATLANTIC AVE



PROJECT SUMMARY

Clinton Ave – Gates Ave to Flushing Ave

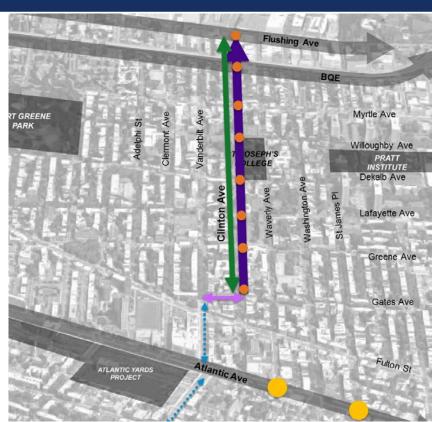
- Conversion to one-way northbound
 - Traffic will divert to other southbound streets
 - No change south of Gates Ave
- Two-way protected bike lane
 - Alternative route to Vanderbilt Ave
 - Greater capacity for high cyclist volumes
 - Family-friendly connection to bridges and greenway
 - Reduced bicycle traffic on Vanderbilt Ave
- Intersection Safety Improvements
 - Fewer conflicts with one-way street
 - Pedestrian safety islands shorten crossings
 - Mountable safety islands slow turning vehicles
- Loading Zones
 - Improve curb access at select locations

Gates Ave - Clinton Ave to Vanderbilt Ave

Shared lanes establish one block connection

Waverly Ave/St James PI at Atlantic Ave

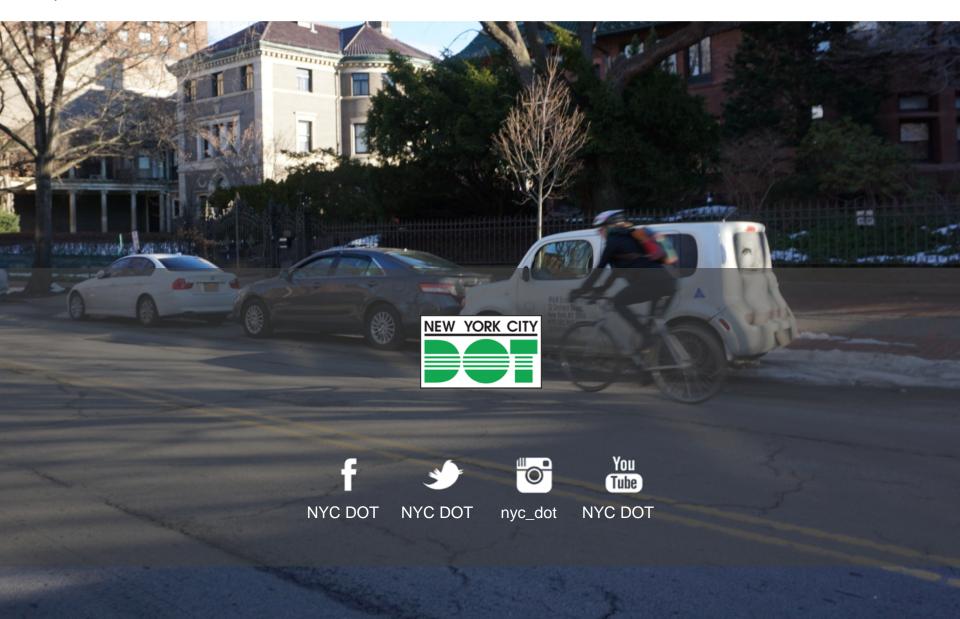
- Potential new signal and median changes
 - Enable left turns onto Atlantic Ave
 - Create safe pedestrian crossing between Clinton Hill and Prospect Heights



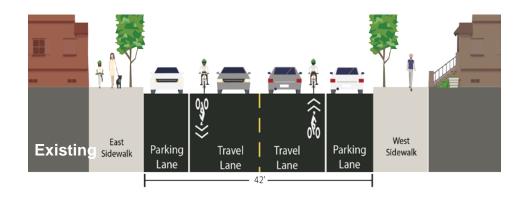


THANK YOU!

Questions?

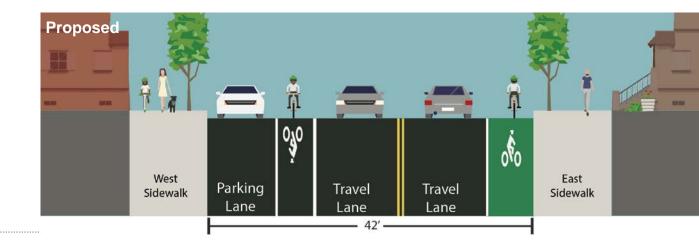


ALTERNATIVES – Vanderbilt

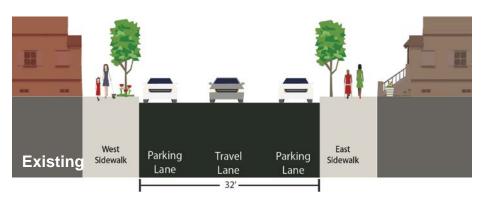


Vanderbilt Ave

- Busses make a protected lane very difficult
- Any dedicated lane requires removal of all parking on one side

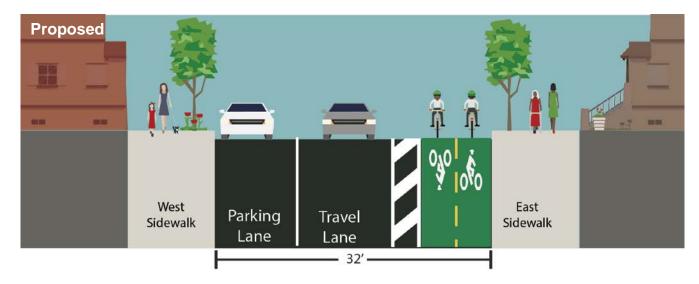


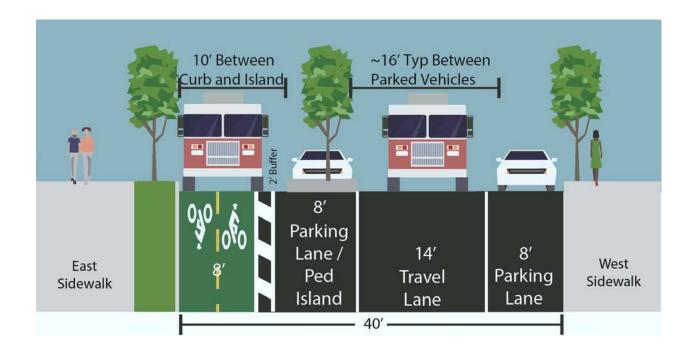
ALTERNATIVES – Waverly



Waverly Ave

- Protected lane is difficult given width
- Dedicated lanes in both directions require removal of parking





All DOT Proposals are Reviewed by FDNY

Emergency vehicle access is maintained or improved

Traffic Data - Gates

Vanderbilt Ave at Gates Ave

			E	xistin	g				ı	Propos	sed witl	n no t	iming	chan	iges		Propo	sed w	ith 90 s	ес сус	cle at	Clinto	on/Ga	ites
	Operat	tional De	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	ир	Appr	roach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/CRatio	De lay (s)	501	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/CRatio	Delay (s)	501	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/CRatio	De lay (s)	501	Approach Delay (s)	Approach LOS
WB Gates Ave	LTR-1	40/3/2	L=0 T=129 R=0	0.16	15.7	В	15.7	В	LTR-1	40/3/2	L=0 T=114 R=0	0.14	15.5	В	15.5	В	LTR-1	40/3/2	L = 0 T = 114 R = 0	0.14	31.6	с	31.6	c
NB Vanderbilt Ave	LTR-1	40/3/2	L = 18 T = 247 R = 88	0.47	6.8	A	6.8	Α	LTR-1	40/3/2	L = 18 T = 247 R = 88	0.47	6.8	A	6.8	A	LTR-1	40/3/2	L = 18 T = 247 R = 88	0.47	6.8	A	6.8	A
SB Vanderbilt Ave	LTR-1	40/3/2	L = 3 T = 275 R = 35	0.40	18.8	В	18.8	В	LTR-1	40/3/2	L = 118 T = 296 R = 43	0.74	29.8	c	29.8	с	LTR-1	40/3/2	L = 118 T = 296 R = 43	0.74	29.8	С	29.8	С
Overall Intersection				De	lay: 1	3.0(s) LOS	: B				De	elay: 1	.9.3(s) LOS	: B				De	lay: 2	1.2(s) LOS	: C

Traffic Data - Gates

Clinton Ave at Gates Ave

							Traffi	c Anal	ysis Sumn	nary (P	M Peak	: 5:00	om-6:	00pm)	_								
			E	xistin	g				ı	Propos	ed witl	h no t	iming	char	iges		Propo	sed w	ith 90 s	ес сус	le at	Clinto	on/Ga	ites
	Operat	tional De	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Аррі	roach	Opera	tional D	etails	La	ne Gro	цр	Appr	roach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	100	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOI	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOT	Approach Delay (s)	Approach LOS
EB Gates Ave	LTR-1	37/3/2	L=9 T=66	0.17	31.5	с	31.5	С	TR-1	37/3/2	L = 0 T = 92	0.40	44.1	D	44.1	D	LTR-1	40/3/2	L=0 T=92	0.14	31.6	c	31.6	c
			R = 16								R = 114								R = 114				\vdash	
WB Gates Ave	LTR-1	37/3/2	L= 38 T= 110	0.43	51.6	D	51.6	D	LT-1	37/3/2	L=195 T=110	1.11	278.0		278.0		LTR-1	40/3/2	L=195 T=110	0.47	6.8	A	6.8	A
Wb dates Ave	EIN-Z	37/3/2	R = 65	0.43	32.0		31.0		21-2	37/3/2	R = 65		270.0		270.0	'	LIN-1	40/3/2	R = 65	0.47	0.0	^		Î
			L=4								L = 4								L=4					
NB Clinton Ave	LTR-1	73/3/2	T = 57	0.07	9.9	A	9.9	Α	LTR-1	73/3/2	T = 57	0.07	9.8	A	9.8	A	LTR-1	40/3/2	T = 57	0.74	29.8	c	29.8	c
			R = 11								R = 11								R = 11				igsquare	
SD Clinton Ave	LTR-1	73/3/2	L = 34	0.31	12.3	В	12.3	В																
SB Clinton Ave	LIK-1	/3/3/2	T = 279 R = 15	0.31	12.5	В	12.3	В																
Overall Intersection				De	elay: 2	.6.4(s) LOS	: C				De	lay: 1	73.8(s) LO	S: F				De	lay: 2	1.2(s) LOS	: C

Traffic Data - Gates

Waverly Ave at Gates Ave

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			E	xistin	g				F	ropos	ed with	no t	iming	chan	iges		Propo	sed w	ith 90 s	ес сус	le at	Clinto	on/Ga	ites
	Operat	ional De	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	ros	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOI	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	ros	Approach Delay (s)	Approach LOS
EB Gates Ave	TR-1	30/3/2	L = 0 T = 107 R = 4	0.12	16.0	В	16.0	В	TR-1	30/3/2	L = 0 T = 99 R = 4	0.11	20.1	c	20.1	c	TR-1	30/3/2	L = 0 T = 99 R = 4	0.15	9.8	A	9.8	A
WB Gates Ave	LT-1	30/3/2	L = 36 T = 159 R = 0	0.23	9.5	A	9.5	A	LT-1	30/3/2	L = 36 T = 159 R = 0	0.23	10.2	В	10.2	В	LT-1	30/3/2	L = 36 T = 159 R = 0	0.30	11.2	В	11.2	В
SB Waverly Ave	LTR-1	20/3/2	L = 29 T = 74 R = 54	0.28	16.4	В	16.4	В	LTR-1	20/3/2	L = 46 T = 84 R = 211	0.62	25.2	с	25.2	c	LTR-1	20/3/2	L = 46 T = 84 R = 211	0.53	14.6	В	14.6	В
Overall Intersection				De	lay: 1	3.4(s) LOS	: B				De	lay: 1	.9.8(s) LOS	: B				De	lay: 1	2.8(s)) LOS	: B

Traffic Data - Fulton

Vanderbilt Ave at Fulton St

	_						Traffi	ic Anai	ysis Sumn	nary (P	ivi Peak:	5:00p	m-6:0	opm)			_							
			E	xistin	g					Propo	sed with	no ti	iming	chan	ges		Propo	osed w	rith 90 s	ес сус	le at	Clinto	n/Ga	tes
	Operat	ional De	tails	La	ne Gro	ıp	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	пр	Appr	roach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOT	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOI	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	ros	Approach Delay (s)	Approach LOS
EB Fulton St	LTR-1	48/3/2	L = 8 T = 375 R = 77	0.49	15.7	В	15.7	В	LTR-1	48/3/2	L = 8 T = 375 R = 77	0.49	15.7	В	15.7	В	LTR-1	48/3/2	L = 8 T = 375 R = 77	0.49	15.7	В	15.7	В
WB Fulton St	LTR-1	48/3/2	L = 14 T = 204 R = 29	0.27	7.4	A	7.4	A	LTR-1	48/3/2	L = 14 T = 204 R = 29	0.27	7.4	A	7.4	A	LTR-1	48/3/2	L = 14 T = 204 R = 29	0.27	7.4	A	7.4	A
NB Vanderbilt Ave	L-1, TR-1	32/3/2	L = 39 T = 316 R = 47	0.11	20.7	c c	27.4	c	L-1, TR-1	32/3/2	L = 39 T = 316 R = 47	0.12	20.9	С	27.4	с	L-1, TR-1	32/3/2	L = 39 T = 316 R = 47	0.12	20.9	c c	27.4	с
			L = 36	0.15	4.9	A					L = 36	0.15	6.2	A					L = 36	0.15	6.2	A		
SB Vanderbilt Ave	L-1, TR-1	32/3/2	T = 238 R = 1	0.37	7.1	A	6.8	A	L-1, TR-1	32/3/2	T = 259 R = 1	0.41	8.8	A	8.5	A	L-1, TR-1	32/3/2	T = 259 R = 1	0.41	8.8	A	8.5	A
Overall Intersection				De	lay: 1	5.8(s) LOS:	: В				De	elay: 1	L 9.3(s) LOS	: В				De	lay: 1	6.1(s) LOS:	: B

Traffic Data - Fulton

Clinton Ave at Fulton St

							Hall	IC Allai	ysis suilli	iiaiy (F	IVI FEAK.	. 3.00	JIII-0.C	Jopini			_							
			Е	xistin	g					Propo	sed with	no t	iming	chan	ges		Propo	osed w	ith 90 s	ес сус	le at	Clinto	n/Ga	tes
	Operat	tional De	tails	La	ne Grou	ир	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	ational D	etails	La	ne Gro	up	Appr	roach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/CRatio	Delay (s)	503	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	89	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/CRatio	Delay (s)	108	Approach Delay (s)	Approach LOS
EB Fulton St	LTR-1	48/3/2	L = 3 T = 361 R = 94	0.49	8.7	A	8.7	A	LTR-1	48/3/2	L = 3 T = 361 R = 94	0.49	8.5	A	8.5	A	LTR-1	48/3/2	L = 3 T = 361 R = 94	0.49	8.5	A	8.5	A
WB Fulton St	LTR-1	48/3/2	L = 12 T = 232 R = 15	0.28	7.7	A	7.7	A	LTR-1	48/3/2	L = 12 T = 232 R = 15	0.28	7.7	A	7.7	A	LTR-1	48/3/2	L = 12 T = 232 R = 15	0.28	7.7	A	7.7	A
NB Clinton Ave	LTR-1	32/3/2	L = 8 T = 54 R = 54	0.20	21.3	c	21.3	С	LTR-1	32/3/2	L = 8 T = 54 R = 54	0.20	21.3	c	21.3	С	LTR-1	32/3/2	L = 8 T = 54 R = 54	0.20	21.3	с	21.3	c
SB Clinton Ave	LTR-1	32/3/2	L = 10 T = 316 R = 7	0.53	30.7	с	30.7	С	LTR-1	32/3/2	L = 10 T = 292 R = 7	0.49	28.8	с	28.8	С	LTR-1	32/3/2	L = 10 T = 292 R = 7	0.49	9.1	A	9.1	A
Overall Intersection				De	elay: 1	.6.0(s) LOS	: В				De	elay: 1	15.1(s) LOS	: B		•		D	elay:	9.8(s)	LOS:	Α

Traffic Data - Fulton

Waverly Ave at Fulton St

							Traff	ic Anal	ysis Sumr	nary (P	M Peak:	5:00p	om-6:0	(0pm										
			E	xistin	g					Propo	sed with	no t	iming	chan	ges		Propo	osed w	ith 90 s	ес сус	le at	Clinto	n/Gai	tes
	Operat	ional De	tails	La	ne Grou	ıp	Appr	oach	Opera	tional D	etails	La	ne Gro	ир	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appro	oach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOI	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	ros	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	ros	Approach Delay (s)	Approach LOS
EB Fulton St	TR-1	48/3/2	L = 0 T = 399 R = 26	0.45	7.2	A	7.2	A	TR-1	48/3/2	L = 0 T = 399 R = 26	0.45	7.2	A	7.2	A	TR-1	48/3/2	L = 0 T = 399 R = 26	0.45	7.2	A	7.2	A
WB Fulton St	LT-1	48/3/2	L = 37 T = 251 R = 0	0.33	13.2	В	13.2	В	LT-1	48/3/2	L = 37 T = 251 R = 0	0.33	13.2	В	13.2	В	LT-1	48/3/2	L = 37 T = 251 R = 0	0.33	13.2	В	13.2	В
SB Waverly Ave	LTR-1	32/3/2	L = 50 T = 56 R = 8	0.18	21.0	с	21.0	с	LTR-1	32/3/2	L = 50 T = 66 R = 8	0.20	21.2	С	21.2	С	LTR-1	32/3/2	L = 50 T = 66 R = 8	0.20	21.2	С	21.2	С
Overall Intersection				De	elay: 1	1.2 (s) LOS	В				De	elay: 1	1.4(s)	LOS	В				De	lay: 1	1.3(s)	LOS:	: В

Traffic Data - Atlantic

Vanderbilt Ave at Atlantic Ave

							Traff	ic Ana	lysis Sumn	nary (P	M Peak:	5:00p	m-6:0	Upm)										
			E	xistin	g					Propos	sed with	no ti	iming	chan	ges		Propo	osed w	ith 90 s	ес сус	le at (Clinto	n/Gai	tes
	Operat	ional De	etails	La	ine Gro	пр	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Grou	лÞ	Appr	roach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	son	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h.)	V/C Ratio	Delay (s)	son	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	son	Approach Delay (s)	Approach LOS
EB Atlantic Ave	T-3, R-1	51/3/2	L=0 T=1207	0.58	214.6	F	193.1	F	T-3, R-1	51/3/2	L=0 T=1207	0.58	214.6	F	193.1	F	T-3, R-1	51/3/2	L=0 T=1207	0.58	214.6	F	193.1	F
			R = 153	0.24	23.3	c					R = 153	0.24	23.3	С					R = 153	0.24	23.3	С		\longmapsto
WB Atlantic Ave	L-1, T-2, TR-1	64/3/2*	L=95 T=1262	0.42	12.4	В	190.7		L-1, T-2, TR-1	64/3/2*	L=95 T=1249	0.42	12.1	В	190.4		L-1, T-2, TR-1	64/3/2*	L=95 T= 1249	0.42	12.1	В	190.4	
WB Atlantic Ave	L-1, 1-2, 1N-1	64/3/2*	R=68	0.51	203.5	F	190.7	•	L-1, 1-2, 1H-1	64/3/2*	R=68	0.51	203.3	F	190.4	,	L-1, 1-2, 1H-1	64/3/2"	R = 68	0.51	203.3	F	190.4	,
			L=87	0.25	26.1	c					L=87	0.25	26.2	С					L=87	0.25	26.2	c		\Box
NB Vanderbilt Ave	L-1, T-1, R-1	46/3/2**		0.48	31.0	С	29.5	c	L-1, T-1, R-1	46/3/2**	T=334	0.48	31.0	С	29.5	c	L-1, T-1, R-1	46/3/2**	T=334	0.48	31.0	С	29.5	c
			R = 52	0.09	25.3	С					R=52	0.09	25.3	С					R = 52	0.09	25.3	С		\longmapsto
SB Vanderbilt Ave	T-1, TR-1	33/3/2	L=0 T=299 R=30	0.35	36.3	D	36.3	D	T-1, TR-1	33/3/2	L=0 T=307 R=43	0.38	36.7	D	36.7	D	T-1, TR-1	33/3/2	L=0 T=307 R=43	0.38	36.7	D	36.7	D
Overall Intersection			1,500	De	lay: 1	56.2(s) LOS	6: F			43	De	lay: 1	55.3(s) LOS	6: F			1.340	De	lay: 1	55.3(9	s) LOS	5: F

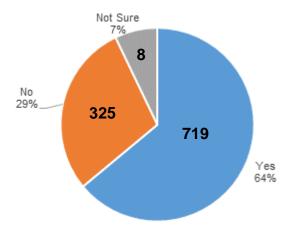
Traffic Data - Atlantic

Clinton Ave at Atlantic Ave

							Traff	ic Anal	ysis Sumn	nary (P	M Peak:	5:00p	m-6:0	0pm)										
			E	xistin	g					Propo	sed with	no t	iming	chan	ges		Propo	osed w	rith 90 s	ес сус	le at	Clinto	n/Gat	tes
	Operat	ional De	tails	La	ne Grou	ир	Appr	oach	Opera	tional D	etails	La	ne Gro	up	Appr	oach	Opera	tional D	etails	La	ne Gro	ир	Appr	oach
Approach	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	son	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	SOI	Approach Delay (s)	Approach LOS	Mvmt	G/A/R	Volumes (v/h)	V/C Ratio	Delay (s)	son	Approach Delay (s)	Approach LOS
EB Atlantic Ave	T-3	52/3/2	L=0 T=1259 R=0	0.59	243.5	F	243.5	F	T-3	52/3/2	L=0 T=1259 R=0	0.59	243.5	F	243.5	F	T-3	52/3/2	L=0 T=1259 R=0	0.59	243.5	F	243.5	F
WB Atlantic Ave	T-2, TR-1	52/3/2	L=0 T=1374 R=115	0.71	44.2	D	44.2	D	T-2, TR-1	52/3/2	L=0 T=1385 R=115	0.71	44.5	D	44.5	D	T-2, TR-1	52/3/2	L=0 T=1385 R=115	0.71	44.5	D	44.5	D
SB Clinton Ave	LR-1	50/3/2*	L = 371 T = 0 R = 51	0.60	31.6	u	31.6	c	LR-1	50/3/2*	L=371 T=0 R=27	0.56	30.5	c	30.5	c	LR-1 50/3/2*				с			
Overall Intersection				De	lay: 1	21.7() LOS	6: F				De	lay: 1	22.1(s) LOS	6: F				De	lay: 1	22.1 (s) LOS	5: F

COMMUNITY OUTREACH - Survey

Do you support the project as proposed?



Do you project a	support s propo	
Yes	719	64%
No	325	29%
Not Sure	80	7%
TOTAL	1124	100%



 90^{th} St (between 3^{rd} Ave and 2^{nd} Ave)