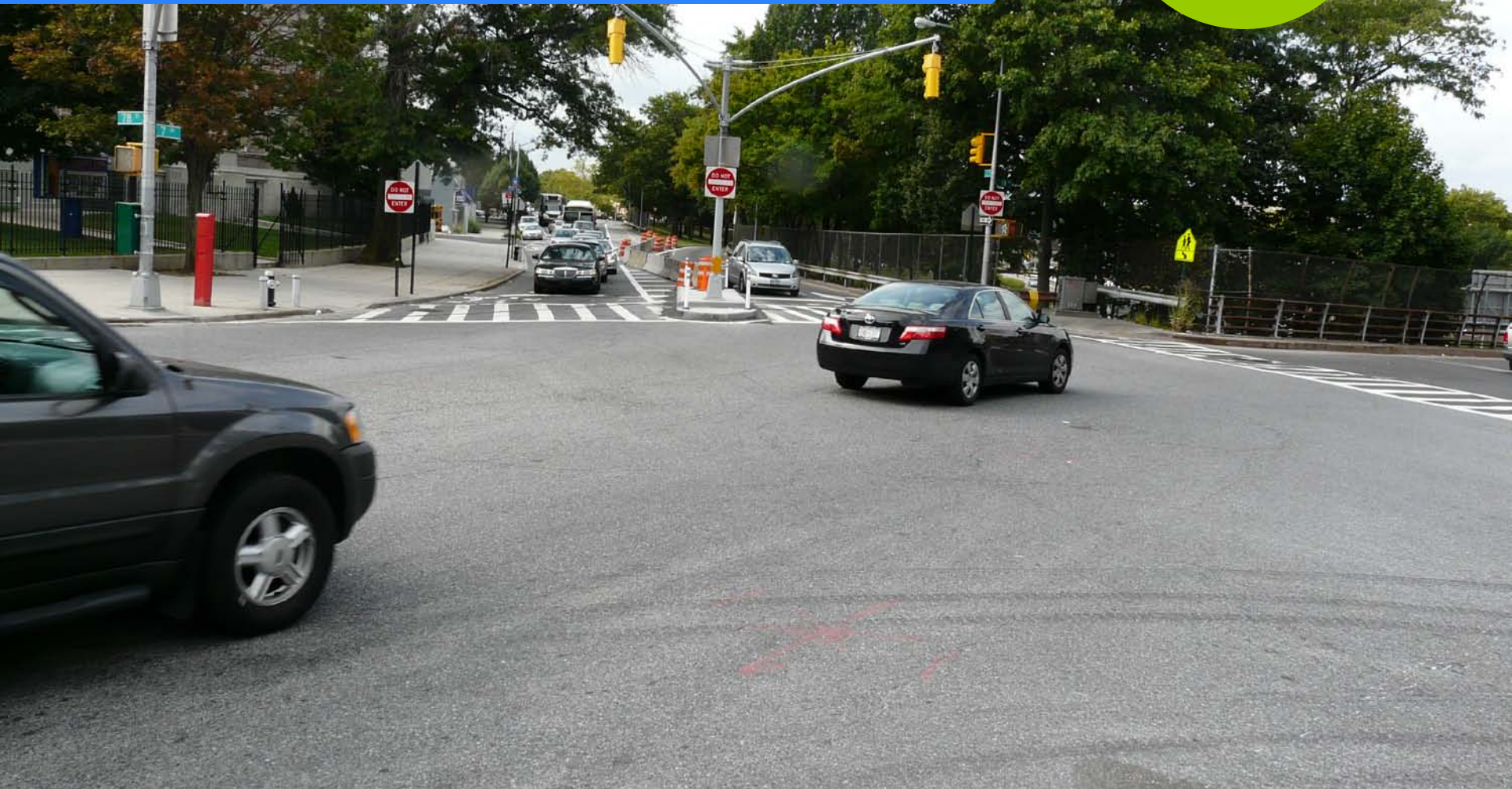
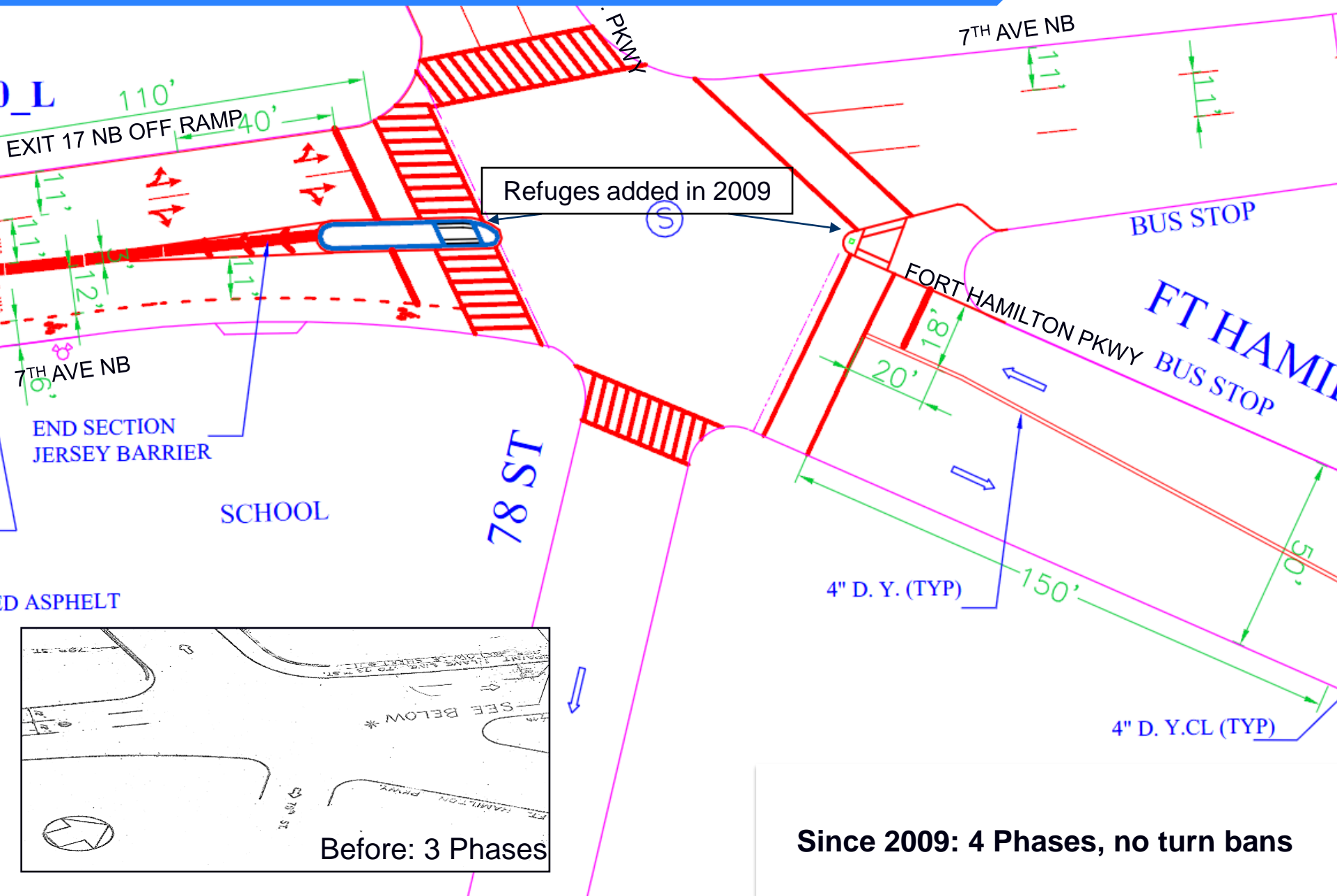


Fort Hamilton Pkwy, 7th Ave, Bay Ridge Pkwy Intersection Safety Improvement Alternatives

2011



Existing Design

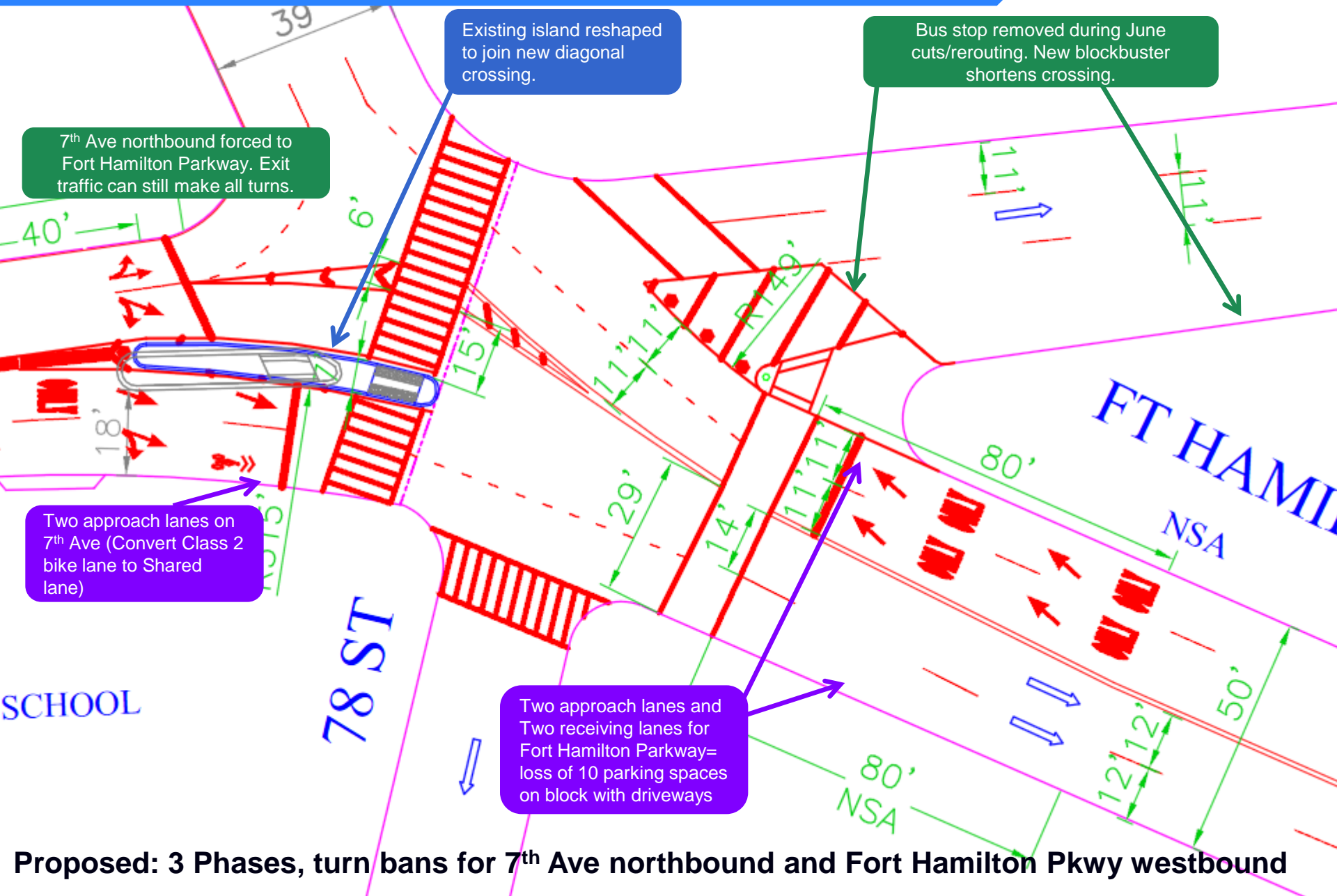


Existing Issues

- Eliminated dangerous 7th Ave/Gowanus Exit northbound merge
- Additional 4th phase added too much delay for 7th Ave Northbound
- School children cross diagonally, without a designated school crosswalk



DOT Proposal May 2010



Proposed: 3 Phases, turn bans for 7th Ave northbound and Fort Hamilton Pkwy westbound

CB10 Feedback to May 25 meeting



- Establish 3-phase operation

- Establish two approach lanes for 7th Avenue local and Ft. Hamilton Pkwy westbound
- Add diagonal crosswalk between PS 127 and Ft. Hamilton Pkwy pedestrian overpass



- No truck traffic should be forced onto Ft. Hamilton Pkwy



- Direct all exiting Gowanus Expwy traffic onto 7th Avenue

- Prohibit left turns onto 78th Street from w/b Ft. Hamilton Pkwy during designated daytime hours



- Coordinate signal timing along Ft. Hamilton Pkwy between 78th St and Bay Ridge Pkwy

- Install pedestrian countdown signal



- Change the name on the Gowanus Expwy exit to read 7th Avenue instead of Ft. Hamilton Pkwy



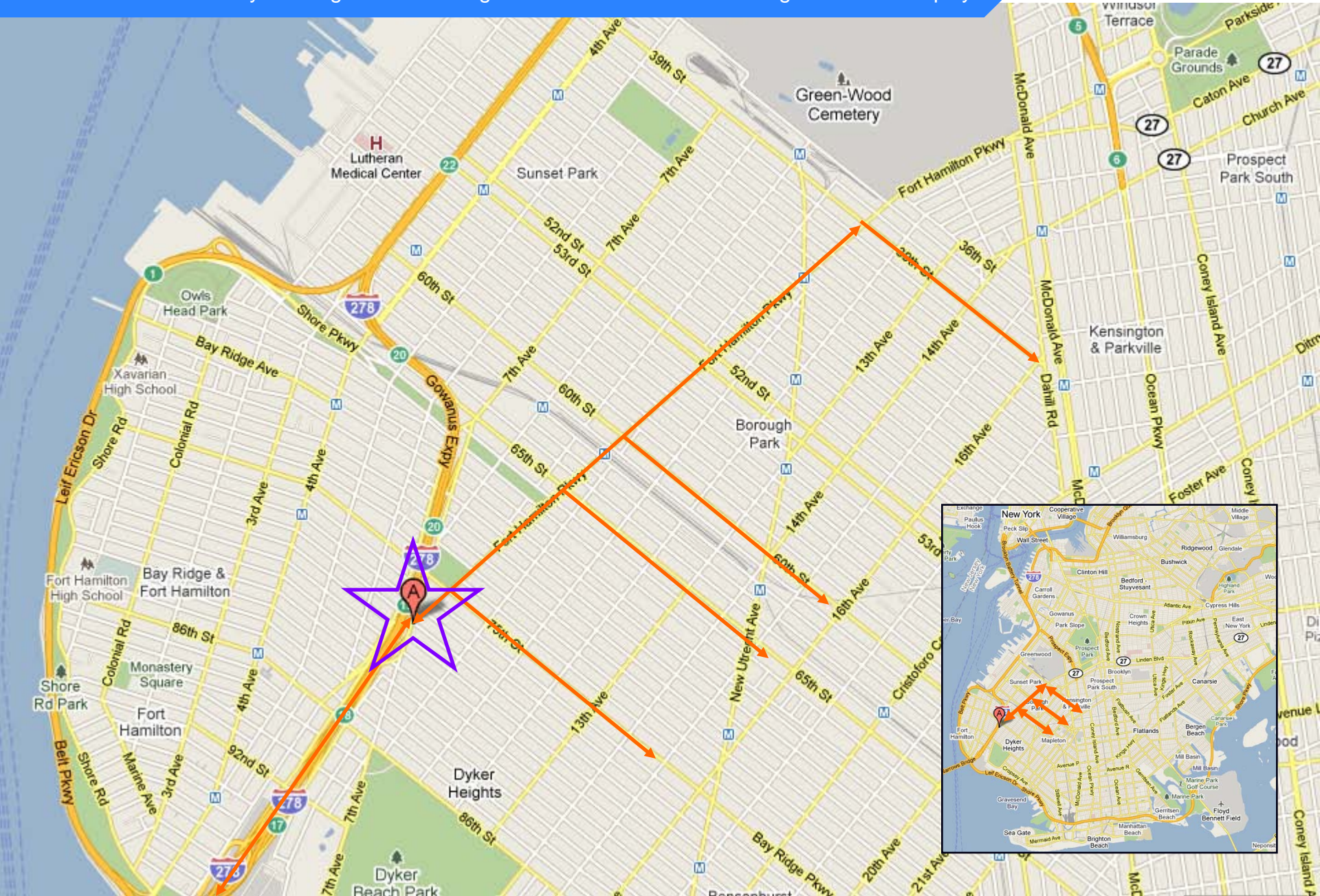
- Ban westbound left from Bay Ridge Parkway to Fort Hamilton Pkwy southbound



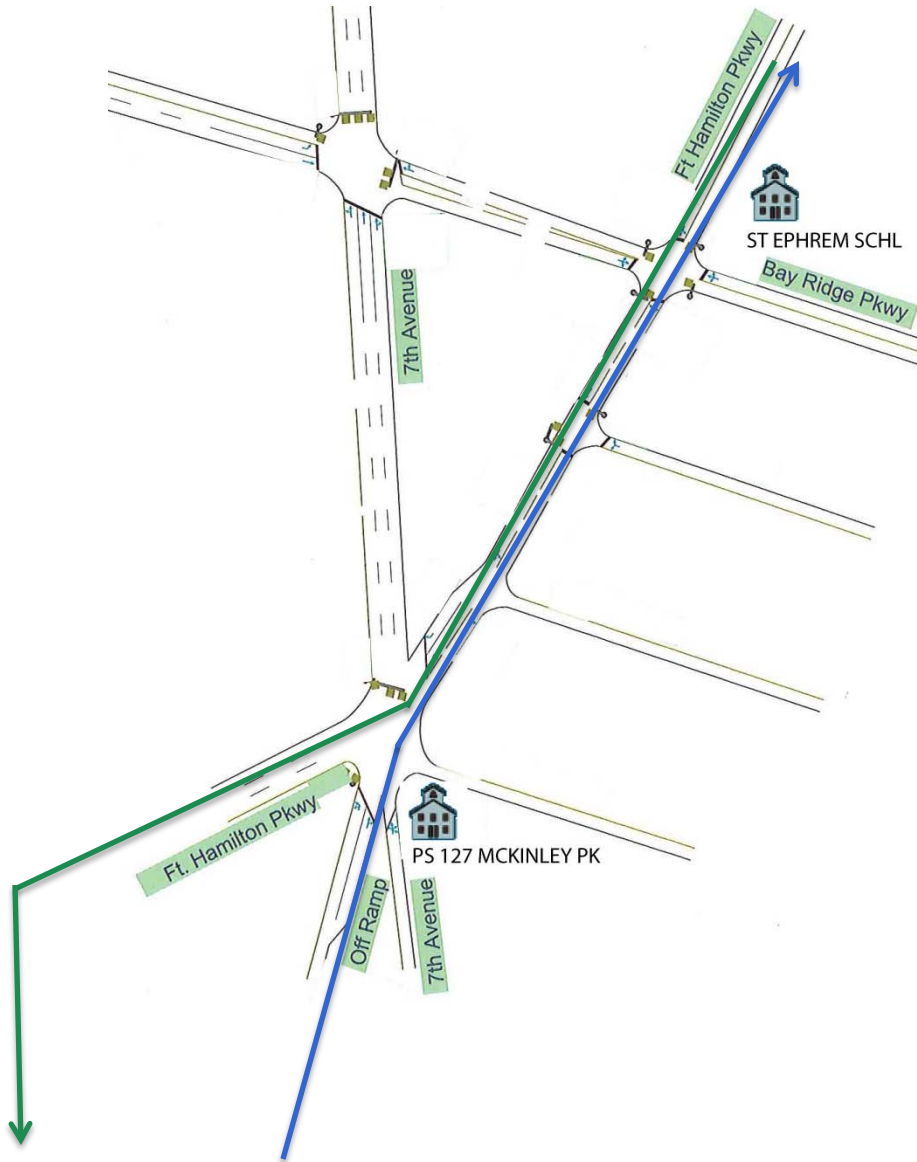
- Consider reversal of 78th Street between Ft. Hamilton Pkwy and 10th Avenue.

Area Context: Exit 18, Fort Hamilton Pkwy:

Most direct route to Dyker Heights and Borough Park from Verrazano-N Bridge/Gowanus Expwy

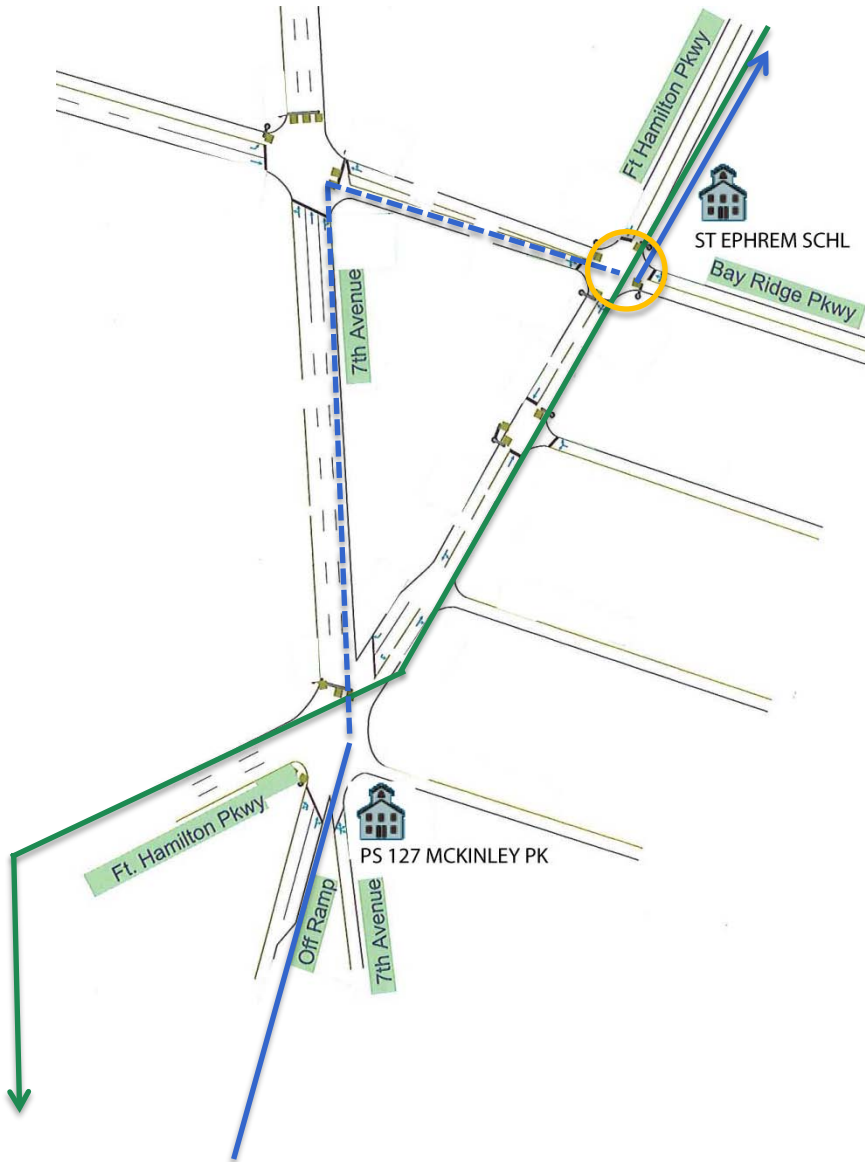


Local Context



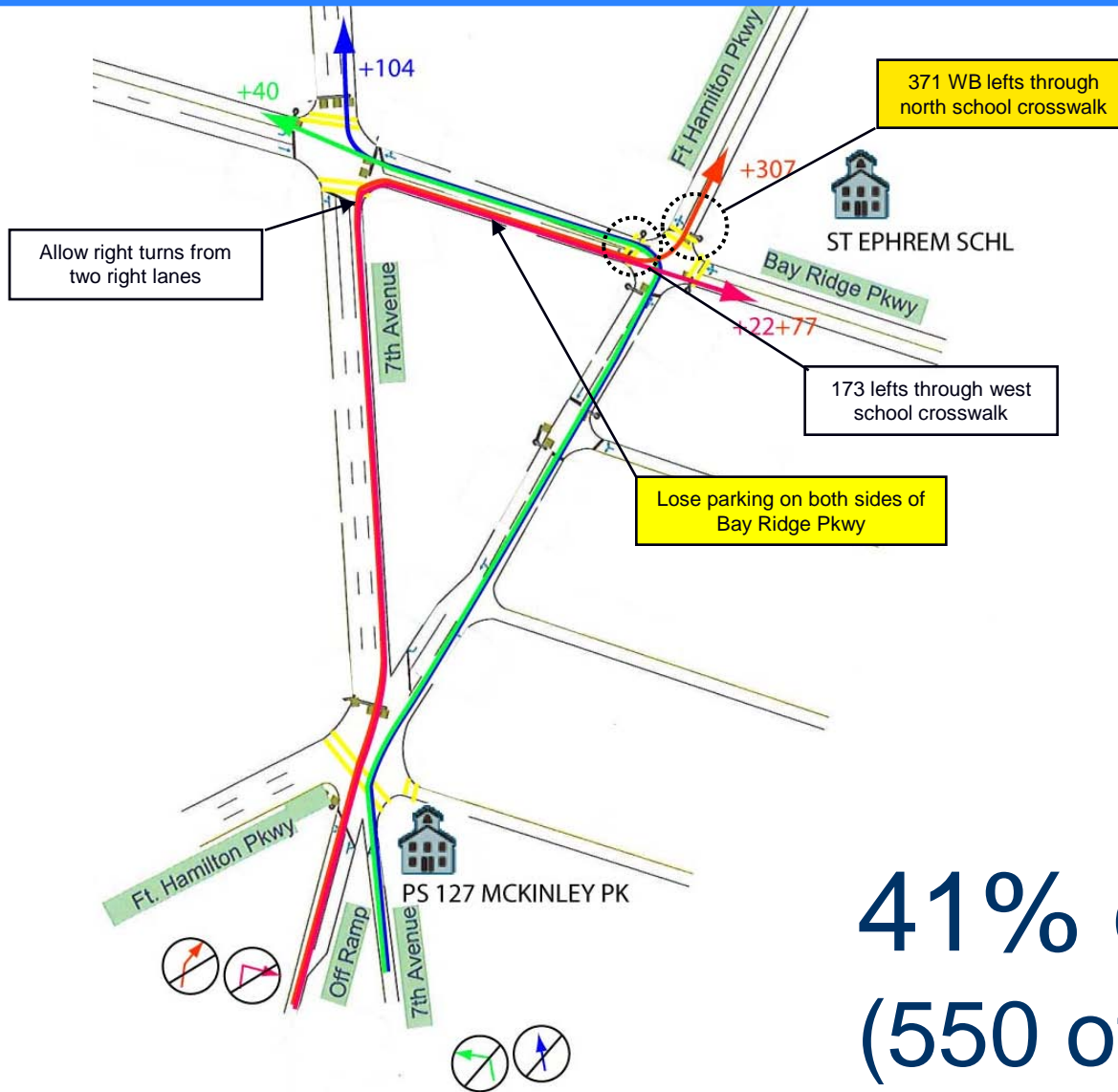
- Most traffic approaching this intersection uses Fort Hamilton Parkway
- North of the exit ramp, 7th Avenue northbound is wide and underutilized

Local Context



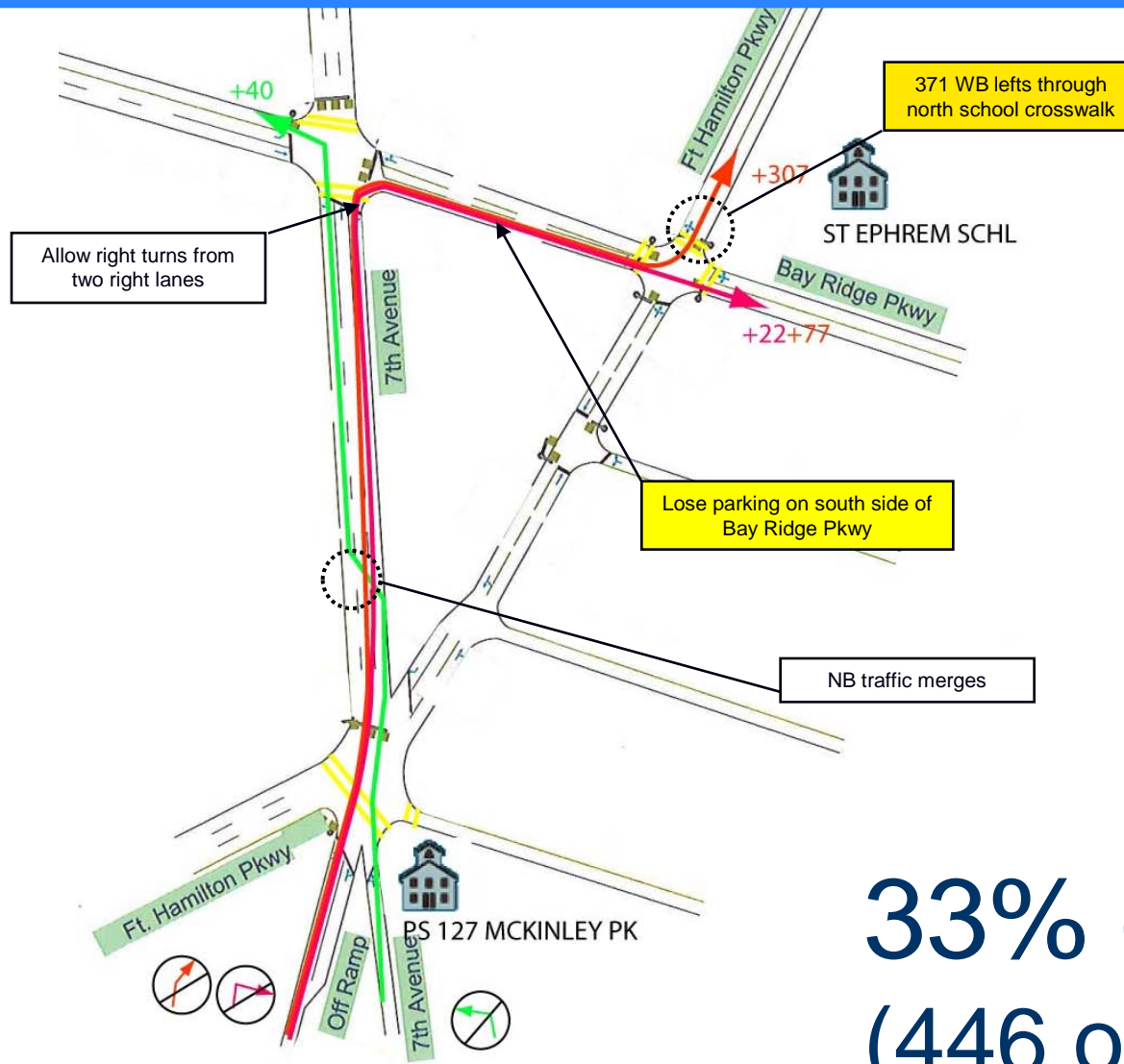
- If Gowanus Expwy traffic is rerouted to 7th Ave, traffic would find the fastest route back to Fort Hamilton Pkwy
- Bay Ridge Pkwy is already congested during peak hours. Detours would add more volume and hundreds of left turns in front of St Ephrem School/Church
- Left turns are more of a threat to pedestrian safety than thru traffic

Force Exit to 7th Av & 7th Av to FHP



41% detours
(550 of 1350)

Force Exit to 7th Av



33% detours
(446 of 1350)

1. DOT Proposal Updated

Left turn to 78th Street permitted

Reduced refuge island length at FDNY request

Parking not removed on east side of Fort Hamilton

SCHOOL

E 1" = 20'

78 ST

Q.C.

6" SOLID YELLOW

VERTICAL

ONLY

ONLY

40'

21'

14'

23'

4'

45'

23'

15'

29'

17'

17'

17'

(S)

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DOT Proposal: 11% detour



11% detours
(144 of 1350)

DOT Proposal: Trucks

Time	Existing Trucks on Fort Hamilton Pkwy	Added in DOT Proposal	Total Proposed
7:00-8:00	7	4	11
8:00-9:00	10	4	14
1:00-2:00	11	3	14
2:00-3:00	3	5	8
4:00-5:00	7	6	13
5:00-6:00	4	3	7
6:00-7:00	3	2	5

(Average of data collected on Weds May 5 and Thurs May 6, 2010. Not including buses.)



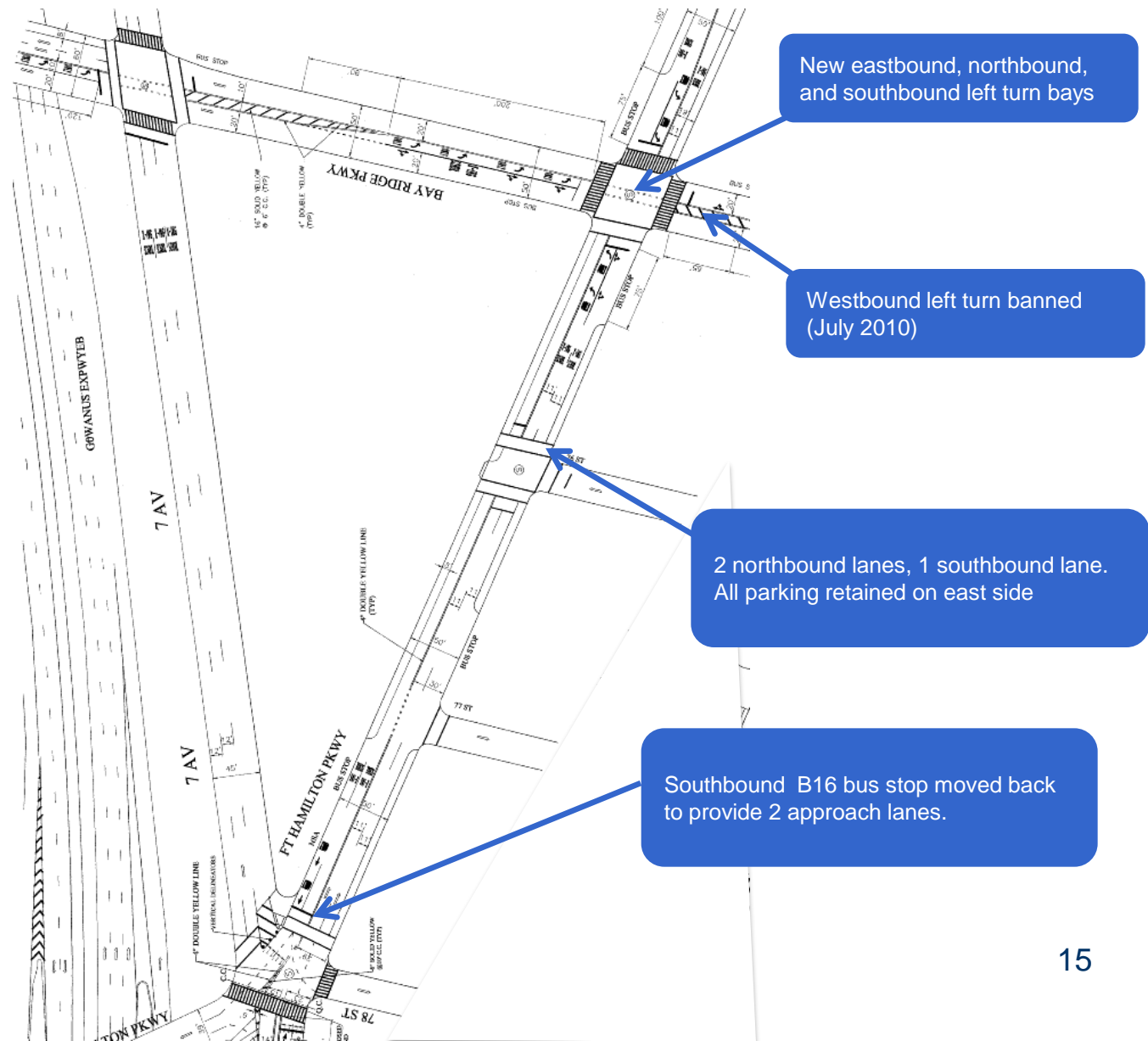
• Change the name on the Gowanus Expwy exit to read 7th Avenue instead of Ft. Hamilton Pkwy

1. Unintended Consequences: 7th Avenue is a truck route: label could attract an increase in trucks
2. Unlikely that truck drivers choose their movements at the intersection after the ramp
3. Potential to confuse car drivers looking for the Fort Hamilton Parkway exit
4. Existing “No Trucks over 33 Feet” sign already keeps most of the largest trucks off this ramp



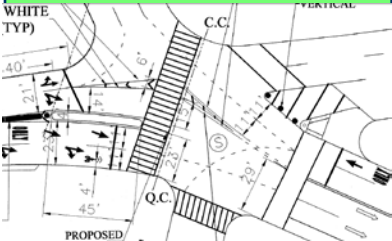



4 Phase, Use existing signal timing with 2 approach lanes, No detours

Fort Hamilton Pkwy/Bay Ridge Pkwy



CB10 Feedback to May 25 meeting

- ✓ ✓ ★ • Establish 3-phase operation
- ✓ ✓ ★ • Establish two approach lanes for 7th Avenue local and Ft. Hamilton Pkwy westbound
- ✓ ✓ ★ • Add diagonal crosswalk between PS 127 and Ft. Hamilton Pkwy pedestrian overpass
- ★ • No truck traffic should be forced onto Ft. Hamilton Pkwy
- ✗ ★ • Direct all exiting Gowanus Expwy traffic onto 7th Avenue
- ✗ • Prohibit left turns onto 78th Street from w/b Ft. Hamilton Pkwy during designated daytime hours
- ✓ ★ • Coordinate signal timing along Ft. Hamilton Pkwy between 78th St and Bay Ridge Pkwy
- ✓ • Install pedestrian countdown signal
- ✗ ★ • Change the name on the Gowanus Expwy exit to read 7th Avenue instead of Ft. Hamilton Pkwy
- ✓ • Ban westbound left from Bay Ridge Parkway to Fort Hamilton Pkwy southbound
- ✗ ★ • Consider reversal of 78th Street between Ft. Hamilton Pkwy and 10th Avenue.

	DOT Proposal	Exit to 7th Av, 7th Av to FHP	Exit to 7th Av	Small Modifications
				
Diagonal Crosswalk, 2 approach lanes	✓	✓	✓	✓
Signal Phases @ FH/7	3	3	3	4
Added lefts @ St Ephrem School/Church (crosswalk)	+144 (Westbound)	+307 (Northbound), +144 (Westbound), Lose Bay Ridge Pkwy parking	+307 (Northbound), Lose Bay Ridge Pkwy parking	N/A
(AM) Peak % of traffic seeking alternate route	11%	41%	33%	0%

Options Going Forward

- DOT Proposal
 - ❖ Eliminate 7th Avenue congestion
 - ❖ Diagonal school crossing
- Minor Modifications
 - ❖ Moderately reduce congestion
 - ❖ Diagonal school crossing



Questions?



Thank
You