

CITY OF CAMBRIDGE

Traffic, Parking and Transportation

344 Broadway
Cambridge, Massachusetts 02139

www.cambridgema.gov/traffic

Joseph Barr, Director Brad Gerratt, Assistant Director for Parking Management Brooke McKenna, Assistant Director for Street Management Phone: 617-349-4700 Fax: 617-349-4747

MEMORANDUM

To:

Cambridge Planning Board

From:

Joseph E. Barr, Director

Date:

December 23, 2015

Re:

MIT Kendall Square Redevelopment (PB#302 and #303)

The Cambridge Traffic, Parking and Transportation Department (TPT) received a memo from VHB dated December 18, 2015 with technical corrections to the Transportation Impact Study Summary sheets for the MIT Kendall Square Redevelopment Project. Based on TPT's review, we agree with and accept the updated TIS summary sheets, which report 495 data point (instead of the 500 stated in the original summary) and 45 criteria exceedances (instead of the 65 stated in the original summary). Four of these eliminated exceedances are due to minor corrections to the analysis results, while the other 16 did not result from project-induced impacts. These changes reflects a more accurate summary of the Planning Board Special Permit Transportation criteria and are consistent with the methodology in the TIS Guidelines. The VHB memo and updated summary sheets are attached.



To: Mr. Joseph E. Barr, Director City of Cambridge

TP&TD

Date: December 18, 2015

Memorandum

Project #: 11356.00

From: Susan Sloan-Rossiter

Selma Mandzo-Preldzic, PE

Re: MIT Kendall Square TIS Exceedance Correction Request

After a detailed review of the Planning Board Criteria and thresholds, VHB found that several of the original 65 exceedances have the potential of being overturned, by implementing an alternate interpretation of the criteria exceedance language and accounting for only MIT build impacts. In addition, a re-count of the total number of data point resulted in 495, instead of 500 originally reported.

The Planning Board has established 5 criteria that are evaluated against a proposed project's impact. The criteria provide threshold numbers in a table format and further clarify that "a project-induced" increase "in EXCESS" of the amount allowed, is defined as an exceedance.

Based on this alternate understanding of exceedance language, the number of exceedances for the MIT KS TIS is changed from 65 to 45, out of 495 data points. On behalf of MIT, VHB is requesting a correction to the Planning Board Criteria Performance Summary.

The changes impact Criteria B: Change in Vehicular LOS, and Criteria E: Change in Pedestrian LOS, as outlined below:

Revision 1: Criterion B - Vehicle Level of Service

A vehicle level of service (VLOS) is a measure of the operation of an intersection, during the peak traffic hour. The criterion evaluates a project-induced level of service reduction or roadway volume increase in excess of the amount allowed in Table 1.

Table 1: Criterion B Thresholds

(from City of Cambridge, Guidelines for Transportation Impact Study (TIS); Section IV-b Table; Page 11

Existing	With Project
VLOS A	VLOS C
VLOS B, C	VLOS D
VLOS D	VLOS D, or 7% roadway volume increase
VLOS E	7% roadway volume increase
VLOS F	5% roadway volume increase

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Table 2: Proposed Revision to MIT KS TIS Planning Board Criteria Summary

Table 2.11 opesed iterision to init its 115 1 iaining source	Circona Dani			
Intersection	Existing Condition	Build Condition	Traffic Increase	Exceeds Criteria?
Hampshire Street at Cardinal Medeiros Avenue (AM Peak)	C	D	3.1%	No
Broadway at Portland Street (AM Peak Hour)	C	D	2.8%	No
Main Street at Ames Street (AM Peak Hour)	C	C	44.9%	No
Main Street at Ames Street (PM Peak Hour)	С	D	37.9%	No

Existing condition LOS C would only trigger an exceedance if the Build condition LOS was <u>IN EXCESS</u> of LOS D, meaning that a reduction from LOS C to LOS E and LOS F would trigger an exceedance. LOS D does not trigger an exceedance, and therefore we request a correction to eliminate the 4 exceedances shown in Table 2 above.

Revision 2: Criterion E: Pedestrian and Bicycle Facilities, Pedestrian Delay

Pedestrian delay is a measure of pedestrian crossing delay during the peak hour at intersections and midblock crossings, as determined by pedestrian level of service analysis and approved by the City. The criterion evaluates the <u>project-induced</u> increase in pedestrian delay at any study area crosswalks in excess of the amount allowed in Table 3.

Table 3: Criterion E Thresholds

(from City of Cambridge, Guidelines for Transportation Impact Study (TIS); Section IV-e Table; Page 12

Existing	With Project
PLOS A	PLOS A
PLOS B	PLOS B
PLOS C	PLOS C
PLOS D	PLOS D or increase of 3 seconds
PLOS E,F	PLOS D

PED LOS at signalized intersections is dependent on signal timings only, and is not impacted by an increase in pedestrian activity. At the request of the TP&T Department the MIT KS Build 2015 analysis included future signal timings from the Binney Street Roadway Reconstruction Project. The Binney Street Roadway Reconstruction project proposed changes to signal timings at the intersections listed below, which impacted the PED LOS. The MIT TIS noted 16 exceedances in PED LOS, due to the Binney Street signal timing changes and not MIT project-induced timing changes.

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When conducting Build 2015 PED LOS analysis using existing timings (for a true comparison of project-induced impact) no exceedances are tripped and therefore we request a correction to eliminate 16 exceedances, as shown in Table 4.

Table 4: Proposed Revision to MIT KS TIS Planning Board Criteria Summary

		AM Peak Hour				PM Peak Hour			
Intersection	Crosswalk	Existing 2015	Build 2015 (with Existing timings)	Exceeds Criteria?	Existing 2015	Build 2015 (with Existing timings)	Exceeds Criteria?		
	East	С	C	No	С	C	No		
Binney Street at Galileo	West	С	C	No	С	C	No		
Galilei Way/Fulkerson Street	North	В	В	No	В	В	No		
	South	C	С	No	С	C	No		
B: C:	North	С	С	No	С	С	No		
Binney Street at Third Street	South	С	С	No	С	С	No		
Binney Street at First Street	North	В	В	No	В	В	No		
	South	А	Α	No	Α	Α	No		

A complete revised Planning Board Criteria Performance Summary (attached) for your review. We request this corrected Planning Board Criteria Performance Summary be provided to the Planning Board.

CITY OF CAMBRIDGE

Planning Board Criteria Performance Summary

Special Permit Transportation Impact Study (TIS)

Planning Board Permit Number:	
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PROJECT NAME: MIT Kendall Square

Address: 238 Main Street, Suite 200

Cambridge MA 02139

Owner/Developer Name: Massachusetts Institute of Technology (MIT)

Contact Person: Michael K. Owu

Contact Address: 238 Main Street, Suite 200

Cambridge, MA 02142

Contact Phone: (617) 258-1012

SIZE:

ITE sq. ft.: 1,759,600

Land Use Type: Mixed Use Development Office, Research & Development, Residential, Retail,

Museum, Academic Graduate Housing, and Daycare

PARKING:

Existing Parking Spaces*: 599 Use: 230 Commercial/369 Academic

New Parking Spaces**: 1,673 Use: 947 Commercial/569 Academic/157 residential

Net New Parking Spaces*** +1,074 *Existing parking spaces on TIS Building sites

TRIP GENERATION*:

Total Trips
Vehicle
Transit
Pedestrian
Bicycle

Daily	AM Peak Hour	PM Peak Hour
18,812	1,795	2,187
5,858	643	708
7,508	761	893
3,524	201	359
1,922	190	227

^{*}Does not take into account existing site trip credits

MODE SPLIT (PERSON TRIPS): RESEARCH & DEVELOPMENT/OFFICE (RESIDENTIAL) [RETAIL] {ACADEMIC}

Auto: 41% (32%) [31%] {27%}
Transit: 42% (30%) [30%] {41%}
Walk: 7% (25%) [29%] {15%}
Bike: 10% (10%) [8%] {14%}
Other: 0% (3%) [2%] {3%}

TRANSPORTATION CONSULTANT:

Company Name: Vanasse Hangen Brustlin, Inc.

Contact Name: Susan Sloan-Rossiter

Phone: 617.728.7777

Date of Building Permit Approval:

Planning Board Permit Number: _____

^{**}The total parking spaces of 1,673 include 200 relocated academic spaces and 485 replacement spaces of which 369 are academic spaces and 116 are commercial spaces

^{***}Includes the 200 relocated academic spaces Date of Parking Registration Approval: N/A

Project Name: MIT Kendall Square REVISED 12/18/2015

Total Data Entries = 495

Total Number of Criteria Exceedances = Full Build = 45

1. Project Vehicle Trip Generation*

Time Period	Criteria (trips)	Build	Exceeds Criteria?
Weekday Daily	2,000	5,858	Yes
Weekday AM Peak Hour	240	643	Yes
Weekday PM Peak Hour	240	708	Yes

^{*}Does not take into account existing site trip credits

2. <u>Level of Service (LOS)</u>

		AM Peal	(Hour		PM Peak Hour				
Intersection	Existing Condition	Build Condition	Traffic Increase	Exceeds Criteria?	Existing Condition	Build Condition	Traffic Increase	Exceeds Criteria?	
O'Brien Highway at Third Street	F	F	3.0%	No	F	F	2.9%	No	
Cambridge Street at Third Street	D	D	5.9%	No	F	F	5.1%	Yes	
Cambridge Street at First Street	Ε	Ε	3.7%	No	F	F	3.1%	No	
O'Brien Highway at Cambridge Street/ East Street	С	С	1.4%	No	В	В	1.5%	No	
O'Brien Highway at Land Boulevard/ Gilmore Bridge	E	E	2.5%	No	F	F	2.9%	No	
Binney Street / Galileo Galilei Way / Fulkerson Street	С	С	0.3%	No	D	С	3.8%	No	
Binney Street at Third Street	D	D	7.5%	Yes	D	D	7.5%	Yes	
Binney Street at First Street	С	С	3.1%	No	С	С	3.7%	No	
Land Boulevard at Binney Street	В	С	3.5%	No	С	С	4.2%	No	
Hampshire Street at Cardinal Medeiros Avenue	С	D	3.1%	No	С	С	2.7%	No	
Broadway at Portland Street	С	D	2.8%	No	D	D	2.9%	No	
Broadway at Hampshire Street	D	Е	5.4%	Yes	D	D	5.6%	No	
Broadway at Galileo Galilei Way	F	F	3.4%	No	Ε	Ε	5.4%	No	
Broadway at Ames Street	Е	Е	9.4%	Yes	D	D	11.7%	Yes	
Third Street at Broadway	С	Ε	15.2%	Yes	D	D	7.9%	Yes	
Vassar Street at Main Street	С	С	9.2%	No	С	С	10.2%	No	
Main Street at Ames Street	С	С	44.9%	No	С	D	37.9%	No	
Memorial Drive WB at Wadsworth Street	В	В	10.2%	No	В	В	5.1%	No	
Memorial Drive EB at Wadsworth Street	Α	А	4.9%	No	А	А	5.2%	No	

3. <u>Traffic on Residential Streets</u>

			Α	M Peak Ho	our	Р	M Peak Ho	our
Roadway	Reviewed Segment	Amount of Residential	Existing 2015	Project Trips	Exceeds Criteria?	Existing 2015	Project Trips	Exceeds Criteria?
	Main St to Washington St	>1/3 but <1/2	655	0	No	733	0	No
	Washington St to Harvard St	>1/3 but <1/2	653	0	No	733	0	No
Portland Street	Harvard St to Broadway	1/3 or less	653	0	No	733	0	No
	Broadway to Hampshire St	1/3 or less	650	0	No	727	0	No
	Hampshire St to Binney St	>1/3 but <1/2	730	0	No	830	0	No
Dualadores	Windsor St to Dickinson St	1/2 or more	828	42	Yes	921	46	Yes
Broadway	Dickinson St to Clark St	1/2 or more	828	42	Yes	921	46	Yes
	Medeiros Ave to Webster Ave	1/3 or less	653	40	No	762	41	No
Hampshire Street	Webster Ave to Clark St	>1/3 but <1/2	653	40	No	762	41	No
Memorial Drive	Ames St to Wadsworth St	1/2 or more	2343	68	Yes	3002	131	Yes
	Rodgers St to Bent St	1/3 or less	769	82	No	893	90	No
	Bent St to Charles St	>1/3 but <1/2	769	82	Yes	893	90	Yes
TILLICI I	Charles St to Hurley St	1/2 or more	769	82	Yes	893	90	Yes
Third Street	Hurley St to Spring St	1/2 or more	769	82	Yes	893	90	Yes
	Spring St to Thorndike St	1/3 or less	769	82	No	893	90	No
	Thorndike St to Otis St	1/2 or more	769	82	Yes	893	90	Yes
0 111 01 1	Third St to Sciarappa St	1/3 or less	612	0	No	649	0	No
Cambridge Street	Sciarappa St to 5th St	1/3 to 1/2	612	0	No	649	0	No
	Land Blvd to Leighton St	1/2 or more	2405	36	No	2095	41	Yes
O'Brien Highway	Leighton St to East St/Cambridge St	1/2 or more	2388	36	No	2233	41	Yes
	Ames St to Carleton St	1/3 or less	255	287	No	349	391	No
Amherst Street	Carleton St to Hayward St	>1/3 but <1/2	246	287	Yes	314	391	Yes
	Hayward St to Wadsworth St	1/3 or less	236	97	No	268	128	No

^{*}volume interpolated from nearest data available in study area

4. <u>Lane Queue (for signalized intersections)</u>

		Al	AM Peak Hour			PM Peak Hour			
				Exceeds			Exceeds		
Intersection	Movement	Existing	Build	Criteria?	Existing	Build	Criteria?		
O'Drian Highway	NB L/R	1	1	No	5	5	No		
O'Brien Highway at Third Street	SEB T/R	~24	~25	No	~17	~18	No		
	NWB L/T	0	0	No	~13	~13	No		
	EB L/T/R	7	7	No	~13	~13	No		
Cambridge Street	WB L/T/R	5	5	No	~14	~14	No		
Cambridge Street at Third Street	NB L/T/R	3	3	No	7	8	No		
	SB L	1	1	No	0	0	No		
	SB T/R	14	16	No	3	4	No		

		Al	M Peak Ho	our	PI	M Peak Ho	our
				Exceeds			Exceeds
Intersection	Movement	Existing	Build	Criteria?	Existing	Build	Criteria?
	EB T/R	7	7	No	~9	~9	No
Cambridge Street	WB L	~5	~6	No	2	3	No
at First Street	WT	4	4	No	3	3	No
at First Sireet	NB L	1	1	No	3	3	No
	NB R	2	2	No	~13	~14	No
	EB L	2	2	No	1	1	No
	EB T	13	13	No	1	1	No
0.0.1	EB R	3	3	No	0	0	No
O'Brien Highway	WB L	5	5	No	2	2	No
at Cambridge	WB T/R	3	3	No	9	9	No
Street/East Street	NB L/T	0	0	No	5	5	No
	NB R	0	0	No	0	0	No
	SB L/T/R	1	1	No	1	1	No
	SEB L	4	4	No	~14	~15	No
	SEB T	11	11	No	6	6	No
	SEB R	6	6	No	9	9	No
	NWB L	~9	~12	No	6	7	No
O'Brien Highway	NWB T	8	9	No	9	9	No
at Land Boulevard	NWB R	3	3	No	7	7	No
	NEB L	4	4	No	~14	~12	No
	NEB T	6	6	No	~21	~21	No
	NEB R	0	0	No	10	10	No
	SWB L/T/R	~22	~23	No	~13	~14	No
	EB T	3	2	No	8	 8	No
Binney Street at	WB T/R	3	5	No	5	5	No
Galileo Galilei	SB R	6	6	No	6	6	No
Way/Fulkerson	SEB L	4	4	No	7	7	No
Street	SEB R	1	1	No	0	0	No
	EB L	1	2	No	7	8	No
	EB T/R	3	3	No	6	6	No
	WB L	4	~6	No	2	2	No
Binney Street at	WB T/R	6	6	No	3	3	No
Third Street	NB L/T	3	3	No	9	11	No
	NB R	1	3 1	No	3	4	No
	SB L/T/R	13	~16	No	8	8	No
		3	2		9	o	No
	EB L EB T/R			No No			No No
Dinnou Stroot of		2	1	No No	3	2 2	
Binney Street at First Street	WB L/T/R	4	4	No No	1		No No
LIISI SIIEEI	NB L/T/R	0	0	No No	1	1	No No
	SB L/T	5	6	No	6	8	No No
	SB R	N/A	5	No	N/A	22	No

		AM Peak Hour			PM Peak Hour			
		Exceeds				Exceeds		
Intersection	Movement	Existing	Build	Criteria?	Existing	Build	Criteria?	
	EB L/R	3	2	No	5	2	No	
Land Boulevard at	NEB L	7	6	No	6	7	No	
	NEB T	1	2	No	3	7	No	
Binney Street	SWB T	7	17	Yes	11	15	No	
	SWB R	5	10	No	3	3	No	
	NB L	0	0	No	1	1	No	
Hamanahina Chasak	NB T/R	2	2	No	2	2	No	
Hampshire Street at Cardinal	SB L	0	0	No	0	0	No	
	SB T/R	5	5	No	5	5	No	
Medeiros Avenue	SEB L/T/R	11	~12	No	6	7	No	
	NWB L/T/R	6	6	No	11	11	No	
	EB L/T/R	13	~15	No	10	10	No	
	WB L/T/R	7	7	No	10	~11	No	
Broadway at	NB L	1	1	No	1	1	No	
Portland Street	NB T/R	7	7	No	8	8	No	
	SB L	1	1	No	0	0	No	
	SB T/R	2	2	No	2	2	No	
	EB L/T	13	~14	No	9	10	No	
	EB R	3	3	No	0	0	No	
	WB L	~5	~6	No	0	0	No	
5	WB T	2	2	No	3	3	No	
Broadway at	WB R	0	0	No	1	2	No	
Hampshire Street	NB L	0	0	No	2	2	No	
	NB T/R	1	1	No	2	2	No	
	SB L	5	~8	No	~8	~8	No	
	SB T/R	1	1	No	0	0	No	
Broadway at Galileo Galilei Way	EB L	4	4	No	3	3	No	
	EB T	~17	~18	No	8	~9	No	
	EB R	2	3	No	1	1	No	
	WB L	2	2	No	~6	~6	No	
	WB T/R	5	5	No	6	7	No	
	NB L	2	2	No	3	3	No	
	NB T/R	4	4	No	8	9	No	
	SB L	2	2	No	1	2	No	
	SB T	11	11	No	7	7	No	
	SB R	~5	~5	No	~5	~5	No	

		AI	AM Peak Hour		PM Peak Hour		
			Exceeds				
Intersection	Movement	Existing	Build	Criteria?	Existing	Build	Criteria?
	EB T	~20	~20	No	~15	~15	No
	EB R	2	3	No	1	1	No
Broadway at	WB L	4	3	No	2	1	No
Ames Street	WB T	9	8	No	8	7	No
	NB L	2	2	No	2	2	No
	NB R	0	0	No	2	4	No
	EB L	6	6	No	6	7	No
	EB T	5	4	No	3	4	No
Third Street at	WB T	12	~21	Yes	9	9	No
Broadway	WB R	6	8	No	3	3	No
-	SB L	2	6	No	~11	~12	No
	SB R	3	2	No	1	2	No
	EB L	4	4	No	4	5	No
	EB T/R	5	8	No	5	6	No
	WB L	1	1	No	1	1	No
Vassar Street at	WB T/R	5	6	No	2	5	No
Main Street	NB L/T/R	5	5	No	5	6	No
	SB L	1	2	No	1	1	No
	SB T	9	9	No	4	4	No
	SB R	6	6	No	2	2	No
	EB L	1	1	No	0	0	No
	EB T/R	5	9	No	6	6	No
	WB L	0	2	No	0	1	No
Main Street at	WB T/R	1	1	No	1	1	No
Ames Street	NB L	1	2	No	1	~7	No
	NB T/R	2	3	No	3	7	No
	SB L/T/R	3	6	No	2	3	No
	SB R	5	4	No	2	2	No
	EB L	0	0	No	0	0	No
Memorial Drive at Wadsworth Street	EBT	0	0	No	0	0	No
	WB T/R	9	11	No	13	14	No
	NB L	0	0	No	0	0	No
	NB T	5	6	No	3	3	No
	SB R	0	0	No	1	2	No

5. <u>Pedestrian and Bicycle Facilities</u>

		AM Peak Hour		PM Peak Hour			
Intersection	Crosswalk	Existing 2015	Build 2015	Exceeds Criteria?	Existing 2015	Build 2015	Exceeds Criteria?
	East	D	D	No	D	D	No
O'Brien Highway at	West	D	D	No	D	D	No
Third Street	South	D	D	No	D	D	No
	East	<u>——</u>	В	No	В	В	No No
Cambridge Street at	West	В	В	No	В	В	No
Third Street	North	В	В	No	В	В	No
	South	В	В	No	В	В	No
	East	D	D	No	D	D	No
Cambridge Street at First Street	West	D	D	No	D	D	No
1 1131 311001	South	D	D	No	D	D	No
	East	D	D	No	D	D	No
O'Brien Highway at	West	D	D	No	D	D	No
Cambridge Street/East Street	North	D	D	No	D	D	No
	South	C	С	No	С	С	No
O/Delan I l'alamant	West	Ε	Ε	No	Ε	Ε	No
O'Brien Highway at Land Boulevard	North	Ε	Ε	No	Ε	Ε	No
Land Dodicvard	South	E	E	No	E	E	No
	East	С	С	No	С	С	No
Binney Street at Galileo Galilei	West	С	С	No	С	С	No
Way/Fulkerson Street	North	В	В	No	В	В	No
	South	C	С	No	С	С	No
	East	D	D	No	D	D	No
Binney Street at Third	West	D	D	No	D	D	No
Street	North	С	С	No	С	С	No
	South	C	С	No	С	С	No
	East	Е	Ε	No	Е	Ε	No
Binney Street at First	West	Е	Е	No	Е	Ε	No
Street	North	В	В	No	В	В	No
	South	A	A	No	Α	Α	No
Land Boulevard at	West	Ε	Е	No	E	Е	No
Binney Street	North	E	Е	No	E	Е	No
	South	E	<u>E</u>	No	E	E	No
Homoohiro Charatat	East	В	В	No	В	В	No
Hampshire Street at Cardinal Medeiros	West	В	В	No	В	В	No
Avenue	North	В	В	No	В	В	No
	South	B	В	No	В	В	No

		AM Peak Hour		PM Peak Hour			
Intersection	Crosswalk	Existing 2015	2015	Criteria?	Existing 2015	2015	Criteria?
	East	В	В	No	В	В	No
Broadway at Portland	West	В	В	No	В	В	No
Street	North	В	В	No	В	В	No
	South	B	В	No	В	В	No
	East	D	D	No	D	D	No
Broadway at	West	D	D	No	D	D	No
Hampshire Street	North	С	С	No	С	С	No
	South	C	С	No	С	С	No
	East	D	D	No	D	D	No
Broadway at Galileo	West	D	D	No	D	D	No
Galilei Way	North	D	D	No	D	D	No
	South	D	D	No	D	D	No
Daniel and America	East	D	D	No	D	D	No
Broadway at Ames Street	West	D	D	No	D	D	No
	South	C	С	No	С	С	No
	East	D	D	No	D	D	No
Third Street at	West	D	D	No	D	D	No
Broadway	North	С	С	No	С	С	No
	South		С	No	-	С	No
	East	С	С	No	С	С	No
Vassar Street at Main	West	С	С	No	С	С	No
Street	North	С	С	No	В	В	No
	South	C	С	No	В	В	No
	East	D	D	No	D	D	No
Main Street at Ames	West	D	D	No	D	D	No
Street	North	С	С	No	С	С	No
	South	C	С	No	С	С	No
Memorial Drive at	East	D	D	No	D	D	No
Wadsworth Street	North	D	D	No	D	D	No

Sidewalk and Bicycle Facilities

Adjacent Street	Link (between)	Sidewalks or Walkways Present?	Exceeds Criteria?	Bicycle Facilities or Right of Ways Present?	Exceeds Criteria?
	Ames St to Wadsworth St (north side)	Yes	No	Under Construction*	No
Main Charat	Ames St to Wadsworth St (south Side)	Yes	No	Yes	No
Main Street	Wadsworth St to Longfellow Br (south side)	Yes	No	Yes	No
	Third St to Broad Canal Way (north side)	Yes	No	Yes	No
	Main St to Amherst St (west side)	Yes	No	No	Yes
Wadsworth	Main St to Amherst St (east side)	Yes	No	No	Yes
Street	Amherst St to Memorial Dr (west side)	Yes	No	No	Yes
	Amherst St to Memorial Dr (east side)	Yes	No	No	Yes
Third Street	Broad Canal Way to Broadway (west side)	Yes	No	Yes	No
	Broad Canal Way to Broadway (east side)	Yes	No	Yes	No
Amherst	Ames St to Carleton St (north side)	Yes	No	No	Yes
	Ames St to Carleton St (south side)	Yes	No	No	Yes
	Carleton St to Hayward St (north side)	Yes	No	No	Yes
Street	Carleton St to Hayward St (south side)	Yes	No	No	Yes
	Hayward St to Wadsworth St (north side)	Yes	No	No	Yes
	Hayward St to Wadsworth St (south side)	Yes	No	No	Yes
Hayward	Main St to Amherst St (west side)	Yes	No	No	Yes**
Street**	Main St to Amherst St (east side)	Yes	No	No	Yes**
Carleton	Dock St/Deacon St to Amherst St (west side)	Yes	No	No	Yes
Street	Dock St/Deacon St to Amherst St (east side)	Yes	No	No	Yes

*Main Street is currently under construction and the new roadway design will provide a new bike lane on the north side of the street as well as maintain the bike lane on the south side of the street.

the street as well as maintain the bike lane on the south side of the street.

**As part of the MIT Kendall Square Project, Hayward Street will be turned into a pedestrian and bicycle connection through the site and will no longer provide vehicular access from Amherst Street to Main Street under Build Conditions.