

**Special Permit Transportation Impact Study (TIS)**

**Planning Board Permit Number:** \_\_\_\_\_

**PROJECT NAME:** EF Education First Expansion Project (EFIII)

Address: Two Education Circle  
Cambridge MA 02141

Owner/Developer Name: EFEKTA Group, Inc.

Contact Person: Shawna Sullivan Marino

Contact Address: Two Education Circle  
Cambridge, MA 02141

Contact Phone: 617-619-1488

**SIZE:**

ITE sq. ft.: 242,600

Land Use Type: Education (dormitory/cafeteria), Office, Fitness Center

**PARKING:**

Existing Parking Spaces\*: 0

New Parking Spaces\*\*: 110 Use: Education (dormitory/cafeteria), Office, Fitness Center

Net New Parking Spaces\*\*\* +110

\*Not including existing DCR parking spaces since they are being relocated to the northeast of the site

Date of Parking Registration Approval: N/A

**TRIP GENERATION:**

	<b>Daily</b>	<b>AM Peak Hour</b>	<b>PM Peak Hour</b>
Total Trips	4,048	389	488
Vehicle	710	76	90
Transit	1,850	176	221
Pedestrian	1,190	105	139
Bicycle	298	32	38

**MODE SPLIT (PERSON TRIPS):**

	<b>Education</b>	<b>Office</b>	<b>Fitness Center</b>
Auto	13.1%	35.8%	31.0%
Transit	47.2%	41.9%	30.0%
Walk	32.8%	12.7%	29.0%
Bike	6.3%	7.8%	8.0%
Other	0.6%	1.8%	2.0%

**TRANSPORTATION CONSULTANT:**

Company Name: VHB

Contact Name: Susan Sloan-Rossiter

Phone: 617.728.7777

Date of Building Permit Approval: \_\_\_\_\_

**Planning Board Permit Number:** \_\_\_\_\_

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**Project Name:** EF Education First Expansion Project (EFIII)

**Total Data Entries = 115      Total Number of Criteria Exceedances = 12**

1. Project Vehicle Trip Generation\*

Time Period	Criteria (trips)	Build	Exceeds Criteria?
Weekday Daily	2,000	710	No
Weekday AM Peak Hour	240	76	No
Weekday PM Peak Hour	240	90	No

2. Level of Service (LOS)

Intersection	Existing Condition	AM Peak Hour			Existing Condition	PM Peak Hour		
		Build Condition	Traffic Increase	Exceeds Criteria?		Build Condition	Traffic Increase	Exceeds Criteria?
Monsignor O'Brien Hwy at Cambridge St/East St	C	C	1.1%	No	C	C	1.4%	No
Monsignor O'Brien Hwy at Land Blvd/ Charlestown Ave	F	F	0.7%	No	F	F	0.8%	No
Monsignor O'Brien Hwy at Museum Way	B	B	1.2%	No	B	B	1.7%	No

3. Traffic on Residential Streets

Roadway	Reviewed Segment	Amount of Residential	AM Peak Hour			PM Peak Hour		
			Existing	Project Trips	Exceeds Criteria?	Existing	Project Trips	Exceeds Criteria?
East Street	O'Brien Hwy to North Point Blvd	1/3 or less	225	32	No	270	39	No
North Point Boulevard	East St to Leighton St	1/2 or more	215	32	Yes	255	39	Yes
	North St to Museum Way	1/3 or less	295	33	No	280	46	No
O'Brien Highway	Land Blvd to Leighton St	1/2 or more	2,510	11	No	2,430	5	No
	Leighton St to East St/Cambridge St	1/2 or more	2,465	0	No	2,385	0	No
Museum Way	O'Brien Hwy to Education St	1/3 or less	450	33	No	365	46	No
	Education St to North Point Blvd	1/3 or less	315	33	No	285	46	No

\*volume interpolated from nearest data available in study area

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4. Lane Queue (for signalized intersections)

Intersection	Movement	AM Peak Hour			PM Peak Hour		
		Existing	Build	Exceeds Criteria?	Existing	Build	Exceeds Criteria?
Monsignor O'Brien Hwy at Cambridge St/East St	Cambridge St EB thru/left	1	1	No	3	3	No
	Cambridge St EB right	0	0	No	0	0	No
	East St WB left/thru/right	2	2	No	2	3	No
	MOB NB left	5	5	No	5	5	No
	MOB NB thru/right	3	3	No	10	10	No
	MOB SB left	2	3	No	1	1	No
	MOB SB thru	10	10	No	5	5	No
	MOB SB right	2	2	No	1	1	No
Monsignor O'Brien Hwy at Land Blvd/ Charlestown Ave	Land Blvd EB left	5	5	No	~13	~13	No
	Land Blvd EB thru	8	8	No	~17	~17	No
	Land Blvd EB right	0	0	No	2	2	No
	Charlestown Ave WB left	7	7	No	6	6	No
	Charlestown Ave WB thru/right	~39	~39	No	~22	~22	No
	MOB NB left	~10	~10	No	7	8	No
	MOB NB thru	9	9	No	9	9	No
	MOB NB right	5	5	No	6	7	No
	MOB SB left	~6	~6	No	~14	~14	No
	MOB SB Thru	~13	~13	No	7	7	No
MOB SB right	~11	~11	No	2	3	No	
Monsignor O'Brien Hwy at Museum Way	Museum Way WB left	3	3	No	4	4	No
	Museum Way WB right	0	0	No	1	1	No
	MOB NB thru/right	2	2	No	3	4	No
	MOB SB left/thru	8	9	No	2	2	No

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5. Pedestrian and Bicycle Facilities

Intersection	Crosswalk	AM Peak Hour			PM Peak Hour		
		Existing	Build	Exceeds Criteria?	Existing	Build	Exceeds Criteria?
O'Brien Highway at Cambridge Street / East Street	North	D	D	No	D	D	No
	East	C	C	No	C	C	No
	South	D	D	No	D	D	No
	South (Cambridge Median to channelized island)	C	C	No	C	C	No
	West (Cambridge St RT)	B	B	No	B	B	No
O'Brien Highway at Land Boulevard / Charlestown Avenue/Gilmore Bridge	North	D	D	No	E	E	Yes
	South	E	E	Yes	E	E	Yes
	West	E	E	Yes	E	E	Yes
O'Brien Highway at Museum Way	North	E	E	Yes	E	E	Yes
	East	D	D	No	E	E	Yes
	South	E	E	Yes	E	E	Yes

**Sidewalk and Bicycle Facilities**

Adjacent Street	Link (between)	Sidewalks or Walkways Present?	Exceeds Criteria?	Bicycle Facilities or Right of Ways Present?	Exceeds Criteria?
East Street	MOB Hwy to North Point Blvd (west side)	Yes	No	Yes	No
	MOB Hwy to North Point Blvd (east side)	Yes	No	Yes	No
North Point Boulevard	East St to Leighton St (north side)	Yes	No	Yes	No
	East St to Leighton St (south side)	Yes	No	Yes	No
	Leighton St to Museum Way (north side)	Yes	No	Yes	No
	Leighton St to Museum Way (south side)	Yes	No	Yes	No
	Museum Way to Education St (north side)	Yes	No	Yes	No
	Museum Way to Education St (south side)	Yes	No	Yes	No
Museum Way	MOB Hwy to Education Street (west side)	Yes	No	Yes	No
	MOB Hwy to Education Street (east side)	Yes	No	Yes	No
	Education St to North Point Blvd (west side)	Yes	No	Yes	No
	Education St to North Point Blvd (east side)	Yes	No	Yes	No