



Community Discussion

March 7, 2023

Cut-Through Evaluation Study



WESTWOOD
MASSACHUSETTS

Forbes Road – Canton Street – Everett Street

Forbes Road - Existing Conditions



- NEW Traffic / Speed Counts completed on 10/25/22 & 10/26/22 on Forbes Road 550' north of Glandore Road & 100' south of Kiloran Road
- New Intersection Counts concurrently completed at:
 - Forbes / Everett
 - Forbes / Canton
 - Everett / Canton
- Compared to 2021 Study:
 - 2021 ADT = 760 - 860 VPD
 - 2022 ADT = 700 - 770 VPD

NEW 2022 Cut-Through Data



Time	Northbound Cut-Through Percentages			Southbound Cut-Through Percentages		
	Cut-Through Volume	Total Volume	% Cut-Through	Cut-Through Volume	Total Volume	% Cut-Through
7:00 AM - 8:00 AM	5	8	63%	10	13	77%
8:00 AM - 9:00 AM	7	13	54%	17	25	68%
9:00 AM - 10:00 AM	14	21	67%	25	32	78%
10:00 AM - 11:00 AM	10	16	63%	18	25	72%
11:00 AM - 12:00 PM	20	26	77%	17	21	81%
12:00 PM - 1:00 PM	15	17	88%	17	27	63%
1:00 PM - 2:00 PM	8	17	47%	11	18	61%
2:00 PM - 3:00 PM	20	33	61%	16	18	89%
3:00 PM - 4:00 PM	13	24	54%	10	15	67%
4:00 PM - 5:00 PM	18	23	78%	31	37	84%

2022 vs. 2021 Cut-Through Data



Time	Tuesday, October 25, 2022				Tuesday, November 16, 2021			
	NB Cut-Through Percentages		SB Cut-Through Percentages		NB Cut-Through Percentages		SB Cut-Through Percentages	
	Cut-Through Volume	% Cut-Through	Cut-Through Volume	% Cut-Through	Cut-Through Volume	% Cut-Through	Cut-Through Volume	% Cut-Through
7:00 AM - 8:00 AM	5	63%	10	77%	8	44%	15	56%
8:00 AM - 9:00 AM	7	54%	17	68%	14	61%	23	70%
9:00 AM - 10:00 AM	14	67%	25	78%	22	71%	18	62%
10:00 AM - 11:00 AM	10	63%	18	72%	11	65%	21	66%
11:00 AM - 12:00 PM	20	77%	17	81%	14	82%	13	62%
12:00 PM - 1:00 PM	15	88%	17	63%	22	79%	18	50%
1:00 PM - 2:00 PM	8	47%	11	61%	16	55%	16	70%
2:00 PM - 3:00 PM	20	61%	16	89%	15	56%	13	72%
3:00 PM - 4:00 PM	13	54%	10	67%	12	40%	24	77%
4:00 PM - 5:00 PM	18	78%	31	84%	10	38%	22	65%

Recommendations



- TEC provides no specific recommendation for modifications to Forbes Road to change the current status of residential versus cut-through traffic along the roadway.
 - Reasonable expectation of modest traffic on 'public way'.
 - **Percentage** of cut-through traffic HIGH; however, cut-through traffic **volume** is LOW (less than 1 cut-through vehicle per minute).
 - The overall roadway volumes is significantly less than the capacity of a local roadway (1,000 VPD).
- The 85th percentile speed along Forbes Road is slightly lower than statutory speed of 30 mph. TEC does not believe that MassDOT would consider a Special Speed Regulation less than the 30 mph already noted on the roadway by statutory law.
- Some other traffic calming measures to consider:
 - Application of the centerline through the length of Forbes Road.
 - Introduction of an additional speed hump(s).
 - Continue selective police enforcement along and the surrounding neighborhood at varying intervals.
 - Continue enforcement of the turning restrictions in place at the MS Walker Driveway to reduce the number of cut-through vehicles accessing this private development.

Your Feedback



QUESTIONS

COMMENTS

CONCERNS

Samuel W. Gregorio, PE, PTOE, RSP₁
Senior Design Engineer | Transportation Planning & ITS