



TRANSPORTATION ADVISORY COMMITTEE

Arlington Planning Department, 730 Mass Ave,
Arlington MA, c/o Laura Wiener

To: Arlington Redevelopment Board, Arlington MA

From: Transportation Advisory Committee (TAC)

Subject: Post-Occupancy Evaluation of CVS Impact on High School Pedestrians/Traffic

Date: 21 June 2012

Reference: TAC Report to ARB submitted on 23 March 2009

The TAC committed to examine the school pedestrian and traffic flow during peak hours one year following occupancy of the CVS. The CVS opened in October of 2010, and the TAC started data collection in October of 2011.

Observations and data were collected on October 21, 2011, December 1, 2011 and on March 1, 2012 in the AM on school days. A summary of the data and comparisons to pre-build are attached. Conclusions from this data are:

1. Much less congestion on Mass Ave was noted on average and the traffic flow was better, probably because the bump-out, crosswalk, and signs increased overall visibility.
2. The separation of the CVS driveway from Carey Drive appeared adequate to avoid major conflicts with school traffic.
3. The bump-out created a sheltered drop-off location which is heavily used for high school drop-off, reducing the number of double-parked drop-offs.
4. The average volume of AM peak hour traffic into Carey Drive and the number of pedestrians crossing the CVS drive were comparable to earlier measurements.
5. Crash data from 10/1/10 to 6/6/12 shows only minor crashes without injury between Churchill and Newman. Three out of eight occurred after 10PM. Following a six-month learning curve and improved signage and pavement markings, only three crashes have occurred in the last year.

We conclude that the CVS driveway and traffic flow appear to be operating satisfactorily. The next TAC effort will be an examination of improvement alternatives at the Jason/Mass/Mill intersection for improvements as recommended in item 4 of the referenced document.

Respectfully submitted,

Edward Starr, Vice Chair

Jeff Maxtutis and Howard Muise, Co-Chairs

Transportation Advisory Committee Members:

Elisabeth Carr-Jones, Wayne Chouinard, Jean Clark, Paul Kent, Jeff Maxtutis, Howard Muise,
Officer Corey Rateau, Scott Smith, Edward Starr, Richard Turcotte, and Laura Wiener

Web site; www.arlingtonma.gov/tac

TABLE 1: Measurements Made After CVS in Operation One Year

On October 21st, 2011 (Friday) - sunny, low 50's

Start Time: 15 min interv	RT into Carey	LT into Carey	Use new Drop-off	RT into CVS	LT into CVS	RT out CVS	LT out CVS	Peds in Xwalk	Peds cross CVS	Peds Jaywalk	Ped Light Used
7:45 AM	34	35	17	11	0	1	2	5	67	3	9
8:00AM	19	2	32	4	0	4	5	4	29	0	4
Totals	53	37	49	15	0	5	7	9	96	3	13

On December 1st, 2011 (Thursday) - sunny, low 40's

Start Time: 15 min interv	RT into Carey	LT into Carey	Use new Drop-off	RT into CVS	LT into CVS	RT out CVS	LT out CVS	Peds in Xwalk	Peds cross CVS	Peds Jaywalk	Ped Light Used
7:45 AM	40	45	?	7	3	6	3	18	56	5	15
8:00AM	20	25	?	5	2	2	3	5	27	2	5
Totals	60	70	?	12	5	8	6	23	83	7	20

On March 1st, 2012 (Thursday) - snowy/rainy, low 30's

Start Time: 15 min interv	RT into Carey	LT into Carey	Use new Drop-off	RT into CVS	LT into CVS	RT out CVS	LT out CVS	Peds in Xwalk	Peds cross CVS	Peds Jaywalk	Ped Light Used
7:45 AM	53	36	16	8	3	5	1	6	55	0	14
8:00AM	24	33	4	3	5	1	2	3	28	3	8
Totals	77	69	20	11	8	6	3	9	83	3	22

Average	63	59	35	13	4	6	5	14	87	4	18
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Into Carey = 122

CVS = 29

TABLE 2: Data Taken in 2009 Prior to Build (averages)

On October 21st, 2011 (Friday) - sunny, low 50's

Start Time: 15 min interv	RT into Carey	LT into Carey	Use new Drop-off	RT into CVS	LT into CVS	RT out CVS	LT out CVS	Peds in Xwalk	Peds cross CVS	Peds Jaywalk	Ped Light Used
7:45 AM	34	46						?	84	2	?
8:00AM	11	16						?	25	15	?
Totals	45	62							109	17	

Into Carey = 107

Comments:

1. Much less congestion than noted in 2009. Traffic flow is better behaved in general.
2. Bump out has created a new drop off area, used by 35 on average.
3. Traffic into Carey has increased a bit, and peds crossing CVS drive are down a bit.

Table 3: Crash Data 10/1/10 to 6/6/11

1st 6 month: 10/1/10 to 4/30/11

Last 13 mon 4/30/11 to 6/6/12

Total	Injury	Hit non-mo	Rear End	Very Minor
5	0	3	0	2
3	0	0	3	0