

Limited Traffic Study
108-118 Great Road, Stow, MA

Date: 11/2/2023

Revised: 11/14/2023

ITE CODE	EXISTING (TO BE REMOVED)	WEEKDAY TRIPS			PEAK HOUR TRIPS			AM PEAK	PM PEAK
932	67 SEAT RESTAURANT	4.83	PER SEAT=	323.61	0.72	PER SEAT=	48.24	40.2	48.24
936	PROPOSED	108.38	PER 1000 SF=	229.66	65.96	PER 1000 SF=	139.77	139.77	54.69
	COFFEE/DONUT SHOP WITHOUT DRIVE-THROUGH WINDOW (2,119 SF DUNKINS)								

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ITE CODE	EXISTING (TO REMAIN)	WEEKDAY TRIPS			PEAK HOUR TRIPS		
720	ONE DENTIST, ~ 5 EMPLOYEES	8.91	PER EMPLOYEE=	44.55	1.06	PER EMPLOYEE=	5.3
710	1000 SF MARTIAL ARTS	11.03	PER 1000 SF=	11.03	1.56	PER 1000 SF=	1.56
932	35 SEAT RESTAURANT	4.83	PER SEAT=	169.05	0.72	PER SEAT=	25.2
820	1000 SF RETAIL	42.7	PER 1000 SF=	42.7	4.82	PER 1000 SF=	4.82
710	5000 SF OFFICE	11.03	PER 1000 SF=	55.15	1.56	PER 1000 SF=	7.8
TOTAL 118 EXISTING				322.48			44.68

TOTAL EXISTING	646.09	92.92	
TOTAL PROPOSED	552.14	184.45	
CHANGE	-93.95 WEEKDAY TRIPS	91.53 PEAK HOUR TRIPS	

FACTORING IN PASS-BY TRIPS (EXPECTED PERCENT OF TRIPS GENERATED FROM THE EXISTING TRAFFIC STREAM)
(89% FOR COFFEE/DONUT SHOP WITHOUT DRIVE-THROUGH, 43% FOR RESTAURANT, 34% SHOPPING CENTER) ITE CODES 936, 932, AND 820 RESPECTIVELY

TOTAL EXISTING	397.29	56.99	
TOTAL PROPOSED	238.10	44.86	
CHANGE	-159.20 WEEKDAY TRIPS ON GREAT RD	-12.12 PEAK HOUR TRIPS ON GREAT ROAD	

