

w/o all attachments

INTEROFFICE MEMORANDUM

TO: DON P. JOHNSON, TOWN MANAGER
FROM: ROBERT C. CRAIG, FIRE CHIEF
SUBJECT: RESPONSE TIME DATA REPORTS
DATE: FEBRUARY 13, 2001
CC:

Don:

Attached please find response time data as requested. This data is comprised of two separate reports. The first report is a computer-generated report of all medical responses in the town for the past five years. These medical response statistics were selected due to a higher number of emergency medical responses than fire responses. Also, in some cases such as Windsor Green there are a number of responses to one location giving a greater amount of validity to the response times. It should also be noted that these are true average response times that span the time period from dispatch until arrival on scene.

The second report is a report that was generated using actual driving times at simulated response speed. The times in this report would be travel time only and simulate an emergency response, although they were conducted in a non-emergency mode. Travel time is the actual time of travel from fire station to emergency scene. This time would not include up to 1 minute of turn-out time (time to receive and process emergency call, announce dispatch, and have personnel don turn-out gear and start apparatus). In order to provide additional validity to these times, several of the longer time trials were repeated using an engine to travel to various specified locations. It should also be noted that several travel times were conducted on a Saturday morning with an anticipated higher traffic flow. However, it did not seem that the amount of traffic varied greatly from other times during the day. The following is the data as noted.

Definitions used in Simulated Travel Time Report

Station 1 – Acton Center Fire Station

Station 2 – South Acton Fire Station

Station 3 – West Acton Fire Station

2A/27 – Rt 2A / Rt 27 Satellite Station Site

PD – Combined Facility at current police station site

ALL TIMES = TRAVEL TIME ONLY

DISTRICT 1 (ACTON CENTER)

To: Nagog Square

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	3.0	3:44	40-50	Saturday AM
STAT 2	5.6	7:52	45-50/construction	Saturday AM
STAT 3	5.5	7:10	45-50	Saturday AM
PD	3.7	4:37	45-50	Saturday AM
2A/27	1.7	2:05		Saturday AM
STAT 3 engine	5.5	8:45	45-50	Week day AM

To: Pamet Systems (Rt 27 at Carlisle Line)

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	3.9	5:40	25-45	Week night
STAT 2	6.4	11:49	25-45	Week night
STAT 3	6.4	10:30	25-45	Week night
PD	4.5	7:15	25-45	Week night
2A/27	2.3	3:45	35-40 rain, traffic	Week night
STAT 3 engine	6.4	10:05	25-50	Week day AM

To: Pope Rd at Strawberry Hill Rd

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	2.7	4:45	25-40	Week day AM
STAT 2	5.3	9:45	25-40	Week day AM
STAT 3	5.2	9:30	25-40	Week day AM
PD	3.4	6:10	25-40	Week day AM
2A/27	1.6	3:05	25-40	Week day AM
STAT 3 engine	NA	NA	NA	NA

To: Suburban Manor Nursing Home

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	1.7	2:57	35-45	Week night
STAT 2	4.3	7:00	35-45	Week night
STAT 3	4.2	6:10	40-45 ice	Week night
PD	2.5	3:30	25-35	Week night
2A/27	2.2	2:55	45-50	Week night
STAT 3 engine	4.2	7:25	35-40	Weekday AM
STAT 3 engine	4.85	7:15	50-60 Rt 2	Week day AM

DISTRICT 2 – SOUTH ACTON

To: Maynard Line on Rt 27

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	3.3	6:05	25-30 construction	Week day AM
STAT 2	1.2	1:56	25-35	Week day AM
STAT 3	2.9	4:30	25-35	Week day AM
PD	2.7	5:00	25-30 construction	Week day AM
2A/27	4.9	8:35	25-30 construction	Week day AM
STAT 3 engine	NA	NA	NA	NA

To: School Street at Hosmer Street

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	4.0	8:13	25-35	Week day PM
STAT 2	1.3	2:25	25-35	Week day PM
STAT 3	3.2	6:20	25-35	Week day PM
PD	3.2	6:43	25-35	Week day PM
2A/27	5.3	10:41	25-35	Week day PM
STAT 3 engine	3.1	5:00	40-60 Rt 2	Week day AM
STAT 3 engine	3.2	6:15	35	Week day AM

To: Powder Mill Plaza, High St at Powder Mill Rd

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	4.4	7:25	35	Week day AM
STAT 2	2.3	3:55	35-40 ice	Week night/Early AM
STAT 3	3.7	5:33	45-45 ice	Week night/Early AM
PD	3.6	6:12	35-40	Week day AM
2A/27	5.8	8:45	35-40	Week Day AM
STAT 3 engine	NA	NA	NA	NA

DISTRICT 3 – WEST ACTON

To: Ethan Allen Drive (Boxboro Line)

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	3.6	5:30	40-45	Week night/Early AM
STAT 2	2.45	4:05	35-40 ice	Week night/Early AM
STAT 3	1.1	1:42	40-45	Week night/Early AM
PD	2.9	4:31	40-50	Week night/Early AM
2A/27	5.0	7:50	40-50	Week night/Early AM
STAT 3 engine	NA	NA	NA	NA

To: School Campus – Merriam School entrance

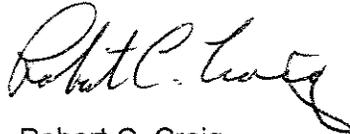
STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	1.6	3:00	25-35	Week Day AM
STAT 2	1.5	3:30	25-35	Week Day AM
STAT 3	1.2	2:40	25-35	Week Day AM
PD	.9	1:45	25-35	Week Day AM
2A/27	3.0	5:30	25-35	Week Day AM
STAT 3 engine	NA	NA	NA	NA

To: Seneca at Seminole (Indian Village)

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	2.6	4:53	25-35	Week Day AM
STAT 2	3.2	6:10	25-35	Week Day AM
STAT 3	1.3	2:45	25-35	Week Day AM
PD	2.1	4:10	25-35	Week Day AM
2A/27	4.1	7:35	25-35	Week Day AM
STAT 3 engine	1.3	3:00	35-40	Week Day AM

To: Windsor Green, Windsor Avenue

STARTING POINT	MILEAGE	TRAVEL TIME	MPH	TIME AND DAY
STAT 1	2.6	4:15	35-40 ice	Week Day/ Early AM
STAT 2	1.7	2:50	35-40 ice	Week Day/ Early AM
STAT 3	.35	:50	25-35	Week Day/ Early AM
PD	1.9	3:00	40-45 ice	Week Day/ Early AM
2A/27	4.0	5:57	40-45 ice	Week Day/ Early AM
STAT 3 engine	NA	NA	NA	NA



Robert C. Craig
Fire Chief

Attachment – Computer generated reports