HEARINGS, MEETINGS, LICENSES
6-20-11

- Hillcrest file

KRAUS & HUMMEL LLP

99A COURT STREET
PLYMOUTH, MASSACHUSETTS 02360
(508) 747-4200
(508) 747-0788 FAX
WWW.KRAUSHUMMEL.COM

May 5, 2011

Via Fax – (508) 946-2320
and First Class Mail

Charles J. Cristello
Town Manager
Town of Middleborough
10 Nickerson Avenue
Middleborough, MA 02347

Re: Hillcrest MHC LLC (the "Park") / Water Meter Issue

Dear Mr. Cristello:

I am in receipt of your correspondence of April 29, 2011 and am responding to same.

I would respectfully request that I have an opportunity to address the Board of Selectmen, who it is my understanding are also the Rent Control Board, with respect to the contents of your letter. Please advise as soon as possible when the next available date and time would be for me to meet with the Board regarding the issues you have raised in your letter concerning the water meter issues in the Park.

Thank you for your anticipated cooperation and immediate attention to this request.

Very truly yours,

Robert Kraus

RK/kl
cc: Client

S:\KH Documents\MORGAN MANAGEMENT\Hillcrest MHP\Water Meter Issue\C Cristello-resp to 4-29-11 ltr.docx

Incorporated 1669
335 Years of Progress

CRANBERRY CAPITAL
OF THE WORLD

Town of Middleborough

Massachusetts

Town Manager

508-947-0928
FAX 508-946-2320

April 29, 2011

Attorney Robert Kraus
Kraus & Hummel LLP
99A Court Street
Plymouth, MA 02360

Dear Attorney Kraus,

There was a fire in one of the units at the Hillcrest Mobile Home Community last weekend. Fortunately, the Middleborough Fire Department was able to contain the fire. However, their efforts were made more difficult by the fact that there is an undersized and non-functioning water meter in the community, a fact that we have brought to your attention on multiple occasions over the past four years.

Your letter of February 24, 2011 claims that a fire flow meter is incompatible with the existing piping. I have had that concern checked out by our meter supplier and I have been told that a fire flow meter can be installed without changing the current piping. You also mention that the cost of such an item would constitute a capital improvement. Again, I am told the difference between a replacement meter and a fire flow meter is less than $5,000 and would therefore not be considered a capital improvement.

The Town has run out of patience with your client's lack of action on this matter. I strongly suggest that you persuade your client to install a new meter without delay for the safety of the Hillcrest residents.

Sincerely

Charles J. Cristello
Town Manager

CJC/ajf
c: Middleborough Rent Board
Herbert and Robert Morgan
Rich and Kim Puricelli
Betty Wadsworth
Morgan Management, LLC
Hillcrest Tenants Association
Lance Benjamino, Fire Chief
Joseph Silva, Water Superintendent

(Town Seal)

The Board of Selectmen will hold a public hearing in the Selectmen's Meeting Room at the Town Hall, 10 Nickerson Avenue, Middleborough, MA on June 20, 2011 at 7:20 PM, for the purpose of discussing an application filed by Town of Middleborough, Water Department, 48 Wareham Street, Middleborough, MA 02346 for a License for Underground Liquid Propane storage for property located at Miller Street, Assessors Map 080 Lot 5151. Anyone wishing to be heard on this matter should appear at the time and place designated.

Alfred P. Rullo, Jr.
Stephen J. McKinnon
Steven P. Spataro
Allin Frawley
Ben Quelle
BOARD OF SELECTMEN

Publish: June 9, 2011

Bill:

FP-2A
(Rev. 04-2010)

The Commonwealth of Massachusetts

City/Town of Middleborough

Application For License

Massachusetts General Law, Chapter 148 §13

☒ New License ☐ Amended License

GIS Coordinates
41°50'0¶N
LAT.
70°51'26"W
LONG.
License Number

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: Miller Street Map 80 Lot 5151
Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: Town of Middleborough

Address of Land Owner: 48 Wareham Street, Middleborough, MA 02346 - Water Department

Use and Occupancy of Buildings and Structures: Public Water Supply

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments

Attach a copy of the current license

Flammable and Combustible Liquids, Flammable Gases and Solids

Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 14; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, Cubic feet	CONTAINER UST, AST, IBC, drums
Liquid Propane	IA	3,000	gal	UST

Total quantity of all flammable liquids to be stored: 3,000 gal

Total quantity of all combustible liquids to be stored: 0

Total quantity of all flammable gases to be stored: 0

Total quantity of all flammable solids to be stored: 0

LP-gas *(Complete this section for the storage of LP-gas or propane)*

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers. *(See 527 CMR 6)*

- Maximum quantity *(in gallons)* of LP-gas to be stored in aboveground containers: 0 gal

  List sizes and capacities of all aboveground containers used for storage: None

- Maximum quantity *(in gallons)* of LP-gas to be stored in underground containers: 3,000 gal

  List sizes and capacities of all underground containers used for storage: Three one thousand gallon tanks

Total aggregate quantity of all LP-gas to be stored: 3,000 gal

Fireworks *(Complete this section for the storage of fireworks)*

Indicate classes of fireworks to be stored and maximum quantity of each class. *(See 527 CMR 2)*

- Maximum amount *(in pounds)* of Class **1.3G**: _____ Type/class of magazine used for storage: _____
- Maximum amount *(in pounds)* of Class **1.4G**: _____ Type/class of magazine used for storage: _____
- Maximum amount *(in pounds)* of Class **1.4**: _____ Type/class of magazine used for storage: _____

Total aggregate quantity of all classes of fireworks to be stored: _____

Explosives *(Complete this section for the storage of explosives)*

Indicate classes of explosive to be stored and maximum quantity of each class. *(See 527 CMR 13)*

- Maximum amount *(in pounds)* of Class **1.1**: _____ Number of magazines used for storage: _____
- Maximum amount *(in pounds)* of Class **1.2**: _____ Number of magazines used for storage: _____
- Maximum amount *(in pounds)* of Class **1.3**: _____ Number of magazines used for storage: _____
- Maximum amount *(in pounds)* of Class **1.4**: _____ Number of magazines used for storage: _____
- Maximum amount *(in pounds)* of Class **1.5**: _____ Number of magazines used for storage: _____
- Maximum amount *(in pounds)* of Class **1.6**: _____ Number of magazines used for storage: _____

I, Joseph Silva, Water Superintendent, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature [signature] Date 5-10-11 Name _____

Fire Department Use Only

I, Lonee Benjamino, Head of the Middleborough Fire Department endorse this application with my

☑ Approval ☐ Disapproval

[signature] 5/10/11

Signature of Head of the Fire Department Date

Recommendations: _____

Middleborough Assessor's Office
10 Nickerson Avenue
Middleborough, MA 02346

ABUTTER'S LIST CERTIFICATION PAGE*

Date: 5/20/2011

BOARD OF SELECTMEN
Board Name for Certification

This is a certified abutter's list for 300 feet in every direction including across the street of

MAP 080 LOT 5151

Lori Rutherford, Junior Clerk
Middleborough Board of Assessors

(This list consists of 2 page with 20 abutter's lots)

*Please note there is no additional charge for this page and it is intended to certify the information on the preceding or attached document (s)

LOCUS			LOCATION	OWNER NAME	APPLICANT NAME	CONTACT #	PAGE	DATE
								5/20/2011
AP	LOT	UNIT	MILLER ST	TOWN OF MIDDLEBORO	WATER DEPARTMENT	508-946-2482	1 of 2	
80	5151		REASON FOR PROJECT	INSTALLING PROPANE STORAGE TANK	NAME OF BOARD	BOARD OF SELECTMEN		

AP	LOT	UNIT	OWNER NAME	C/O OWNERS NAME	MAILING ADDRESS	CITY	ST	ZIP
80	3596		AMES, STACEY K		406 WAREHAM ST	MIDDLEBORO	MA	02346
80	3498		MASSACHUSETTS BAPTIST	CONVENTION C/O BEN HOWES	MILLER ST	MIDDLEBORO	MA	02346
80	3519		ANDREWS, ROBERT JR & JO-ANNE		WAREHAM ST	MIDDLEBORO	MA	02346
80	3566		BETTENCOURT, JANET E		404 WAREHAM ST	MIDDLEBORO	MA	02346
80	4419		GOVONI, WILLIAM & JEANNE H		412 WAREHAM ST	MIDDLEBORO	MA	02346
80	3649		GEROUKOS, KOSTAS TRUSTEE		407 WAREHAM ST	MIDDLEBORO	MA	02346
80	4482		KIBBLE, FRANK JR & JEAN		418 WAREHAM ST	MIDDLEBORO	MA	02346
80	4486		DEANE, WILFRED III & JEANNE		420 WAREHAM ST	MIDDLEBORO	MA	02346
80	6047		TOWN OF MIDDLEBOROUGH	WATER DEPT-WELL SITE	MILLER ST	MIDDLEBORO	MA	02346
80	5195		TOWN OF MIDDLEBOROUGH	WATER DEPT-WELL SITE	MILLER ST	MIDDLEBORO	MA	02346
80	5151		TOWN OF MIDDLEBOROUGH	WATER DEPT-WELL SITE	MILLER ST	MIDDLEBORO	MA	02346
80	4457		MISSION, DONALD S & DEBORAH A		416 WAREHAM ST	MIDDLEBORO	MA	02346
			ANDREWS, ROBERT JR & JO-		[illegible] WAREHAM ST	MIDDLEBORO	MA	02346

LOCUS			LOCATION	OWNER NAME	APPLICANT NAME	CONTACT #	PAGE	DATE	5/20/2011
MAP	LOT	UNIT	MILLER ST	TOWN OF MIDDLEBORO	WATER DEPARTMENT	508-946-2482	2 of 2		
80	5151		REASON FOR PROJECT	INSTALLING PROPANE STORAGE TANK	NAME OF BOARD	BOARD OF SELECTMEN			

MAP	LOT	UNIT	OWNER NAME	C/O OWNERS NAME	MAILING ADDRESS	CITY	ST	ZIP
80	3619		STRAWN, W LAMAR & ANNA	C/O WAYNE STRAWN	405 WAREHAM ST	PLANTATION	FL	33317
80	4446		MARSHALL, GERALD & LINDA		414 WAREHAM ST	MIDDLEBORO	MA	02346
80	4135		MASSACHUSETTS BAPTIST	CONVENTION C/O BEN HOWES	MILLER ST	MIDDLEBORO	MA	02346
80	3678		GOREY, MICHAEL E		408 WAREHAM ST	RAYNHAM	MA	02767
80	5227		FEENEY WAREHAM STREET LLC		426 WAREHAM ST	MIDDLEBORO	MA	02346
80	5825		HUDSON, EVELYN		44 MILLER ST	MIDDLEBORO	MA	02346
80	4415		GUDMUNDSSON, MARGRET ETAL		410 WAREHAM ST	MIDDLEBORO	MA	02346

80-2637
80-2763
80-2974
80-2891
80-2893
80-2646
80-2679
80-2745
80-2749
80-2789
80-2796
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80-2889
80-3724
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80-5843
80-5825
80-6143
80-5852
80-6047
80-6083
80-6173
80-5869
80-5858
80-6187
80-5878
80-5884
87-523
87-211
87-221
87-364
87-163
87-243
87-394
87-481
87-293
87-478
87-278
87-1122
87-1224
87-1146
87-039
87-1051
87-1152
87-1242
87-1269
87-966

Middleborough Fire Department

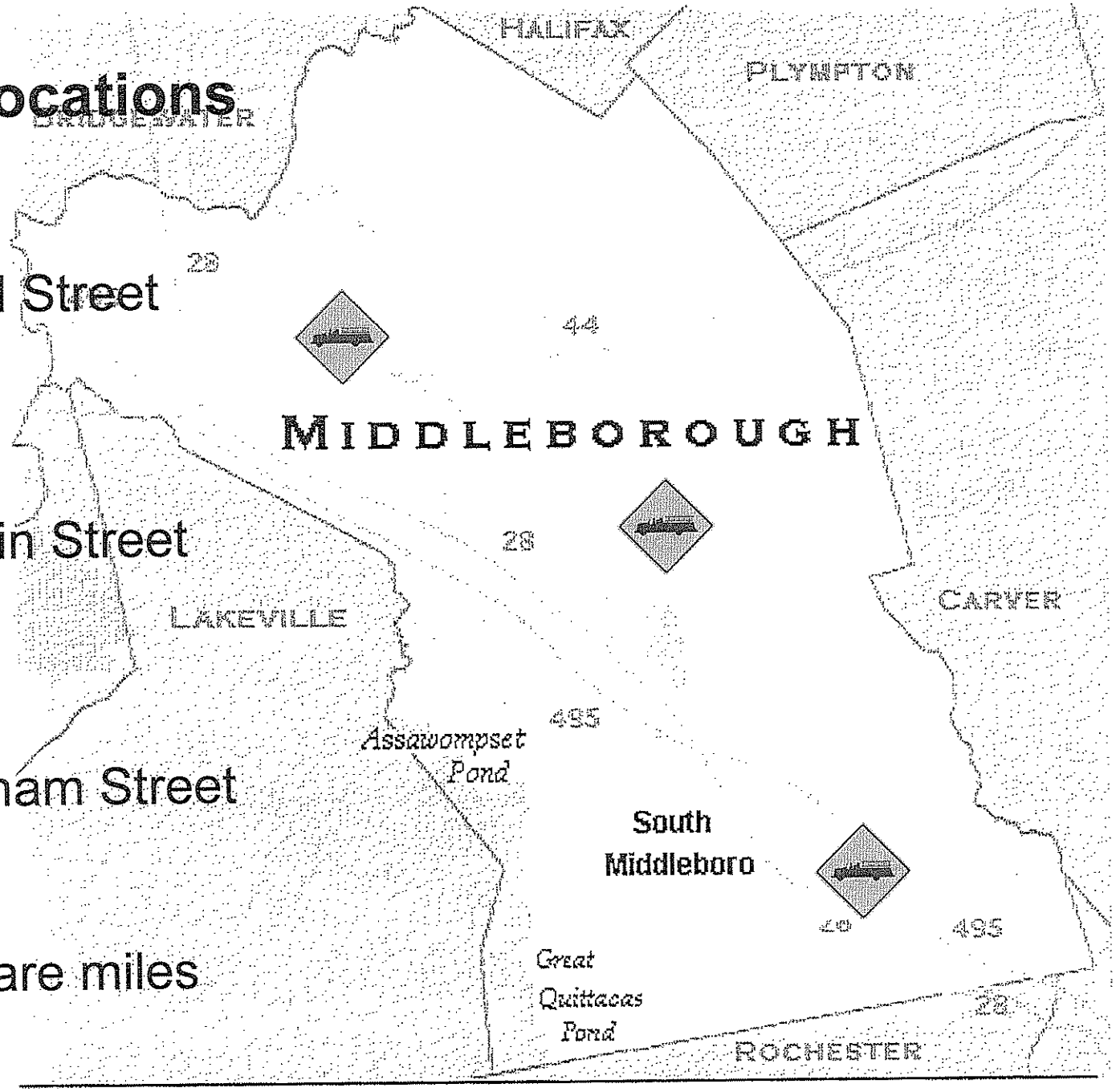
Station locations

North
58 Bedford Street

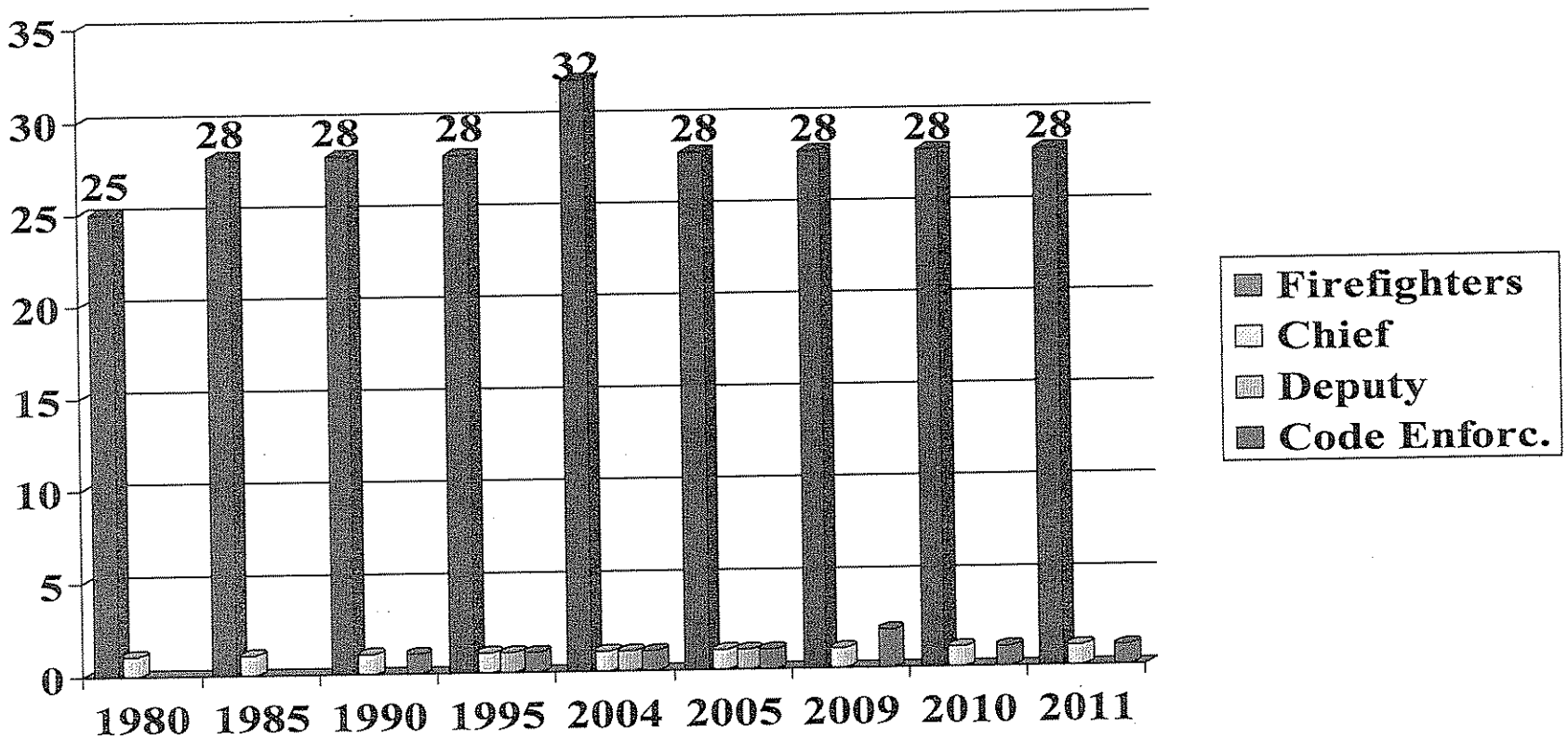
Central
125 N. Main Street

South
566 Wareham Street

72 square miles

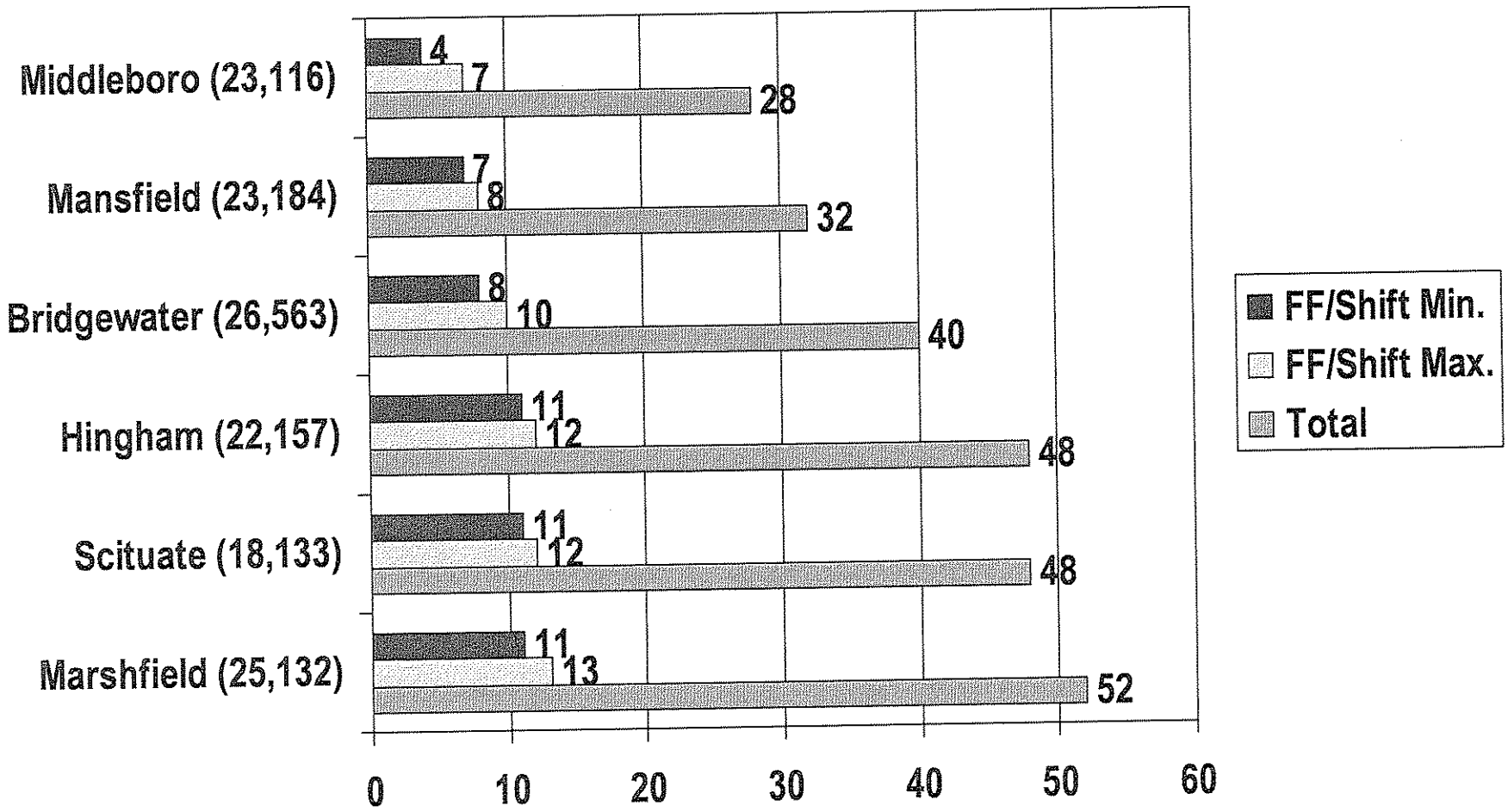


Middleborough Fire Staffing



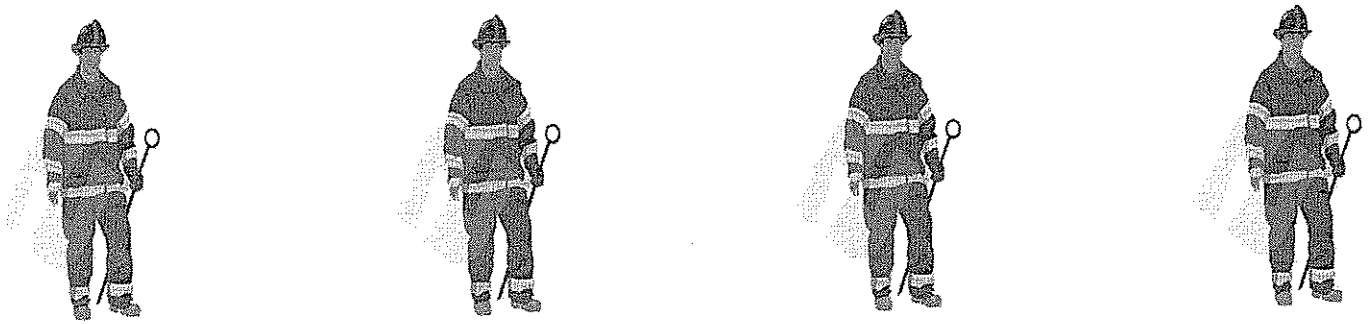
Same firefighter staffing as <u>1985</u>

How does our staffing compare?



Middleborough Fire
current station staffing

Staffing Level	*Central*	*South*	*North*
7 Firefighters	5	2	Closed
6 Firefighters	4	2	Closed
5 Firefighters	5	Closed	Closed
4 Firefighters	4	Closed	Closed



Assignments of personnel

Central	South	North

7 Firefighters

Central	South	North
5 = **1** Dispatch **1** Shift Commander (Car) **1** Lieutenant **1** Firefighters on an **Engine** **1** Firefighter for 2nd Engine/**Tower** Tanker/Forestry/Boat	**2** = **Engine**/Forestry Boat/Rescue	**Closed**

6 Firefighters

Central	South	North
4 = **1** Dispatch **1** Shift Commander (Car) **1** Lieutenant **1** Firefighter on the **Engine** Tower/Tanker/Rescue/Boat	**2** = **Engine**/Forestry Boat/Rescue	**Closed**

Assignments of personnel

Central	South	North

5 Firefighters

5 = 1 Dispatch 1 Shift Commander 1 Lieutenant 1 Firefighter on an **Engine** 1 Firefighter on the 2nd Engine/**Tower**/Tanker/Rescue/Boat	**Closed**	**Closed**

4 Firefighters

4 = 1 Dispatch 1 Shift Commander 1 Lieutenant 1 Firefighter on an **Engine**	**Closed**	**Closed**

*****Staffed at 4 nearly 60% of the time*****

What is an Engine Company?

ENGINE COMPANY: The **basic unit** of a fire department
(better known as a "triple combination pumper" –carries water, hose and pump)
Responsible for the following tasks:

- Drive and Operate Engine and **Pump**
- Establish a **Water Supply**
- **Search and Rescue**
- Advance hose lines
- **Locate, Confine, Extinguish Fire**
- Advance back up hose lines
- Protect Exposures
- Use of Master Streams(Heavy Appliances)
- Tactical use of protective systems (Standpipes, **Sprinklers**)
- Property Conservation
- Overhaul (making sure the entire fire is out)

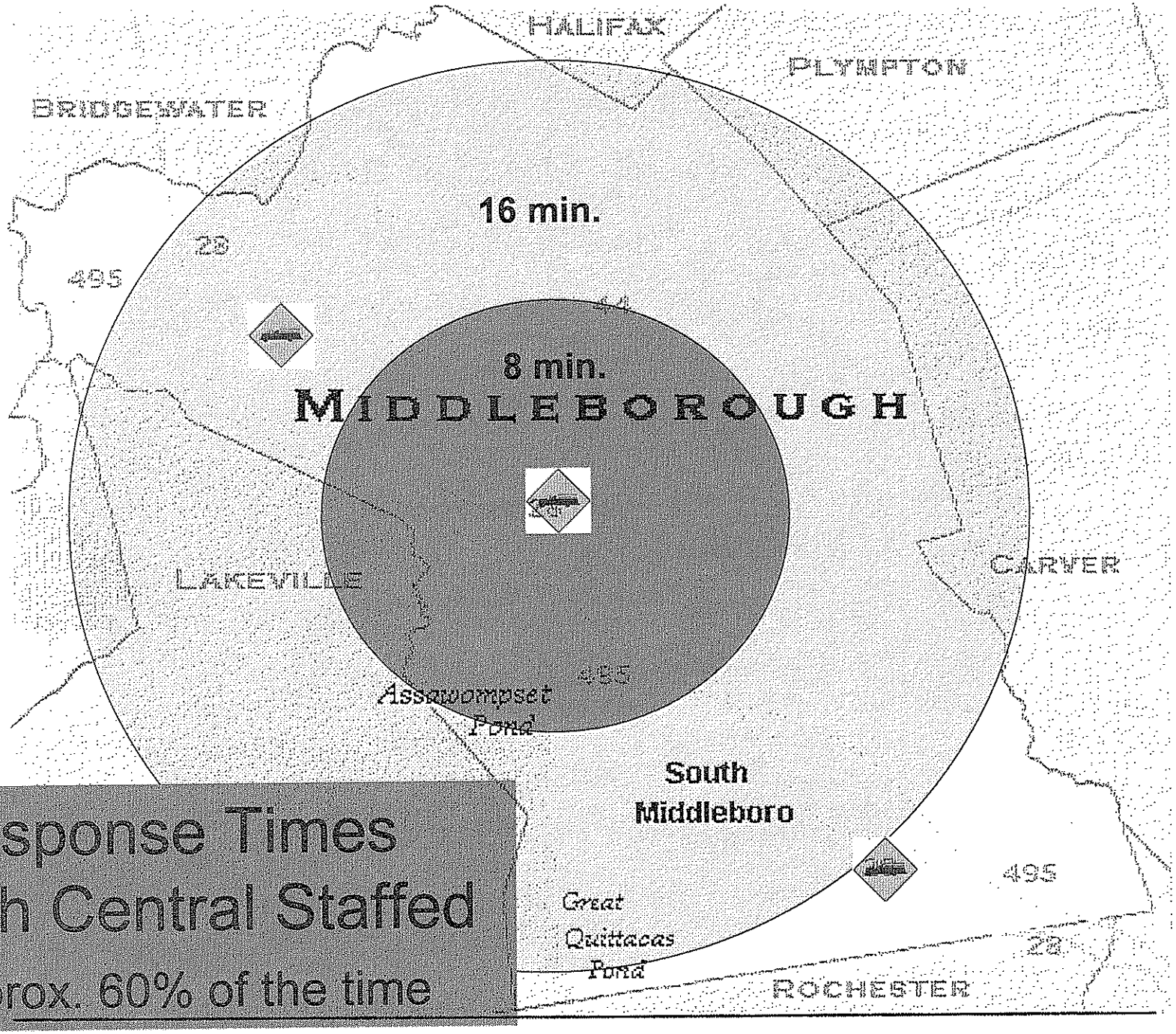
Due to the current staffing levels of the Middleborough Fire Department we operate on a regular basis with 2 firefighters on a single Engine Company from one station to cover 72 square miles.

What is a Ladder Company?

LADDER COMPANY: Sometimes referred to as "truck", "hook and ladder", "aerial ladder", "elevating platform", "snorkel", or "**tower ladder**"
Responsible for the following tasks:

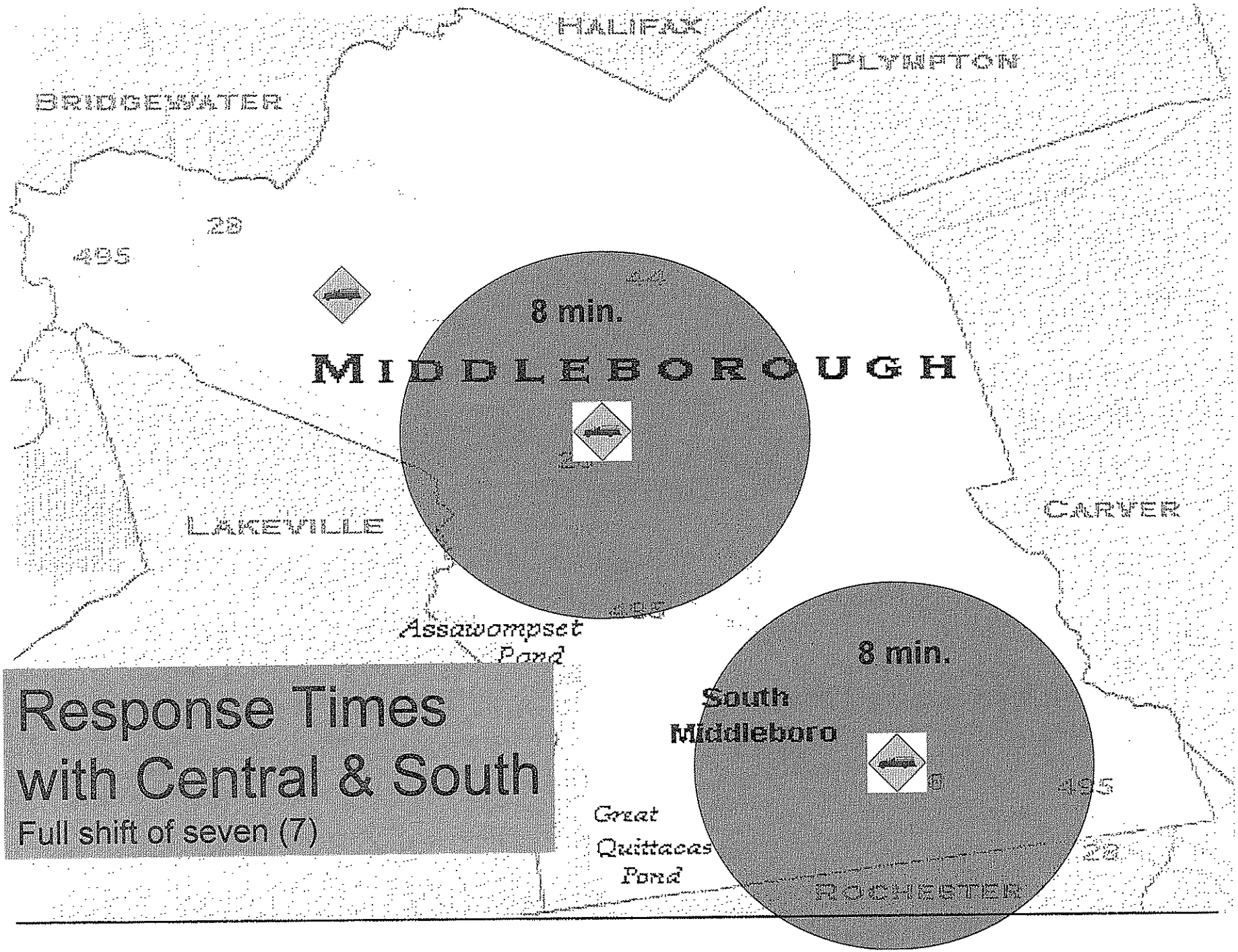
- Drive and Operate **Aerial device**
- **Laddering** (aerial and ground ladders)
- **Search and Rescue**
- Forcible Entry
- **Ventilation**
- Utilities control
- Salvage
- Overhaul
- Use of **Master streams** (Heavy Appliances)
- Tactical use of protective systems (Standpipes, **Sprinklers**)
- Property Conservation

Due to the current staffing levels of the Middleborough Fire Department we operate on a regular basis with 0 (wait for called back firefighters) or 1 firefighter (with a full shift of 7) on the Tower Ladder Company from one station to cover 72 square miles.



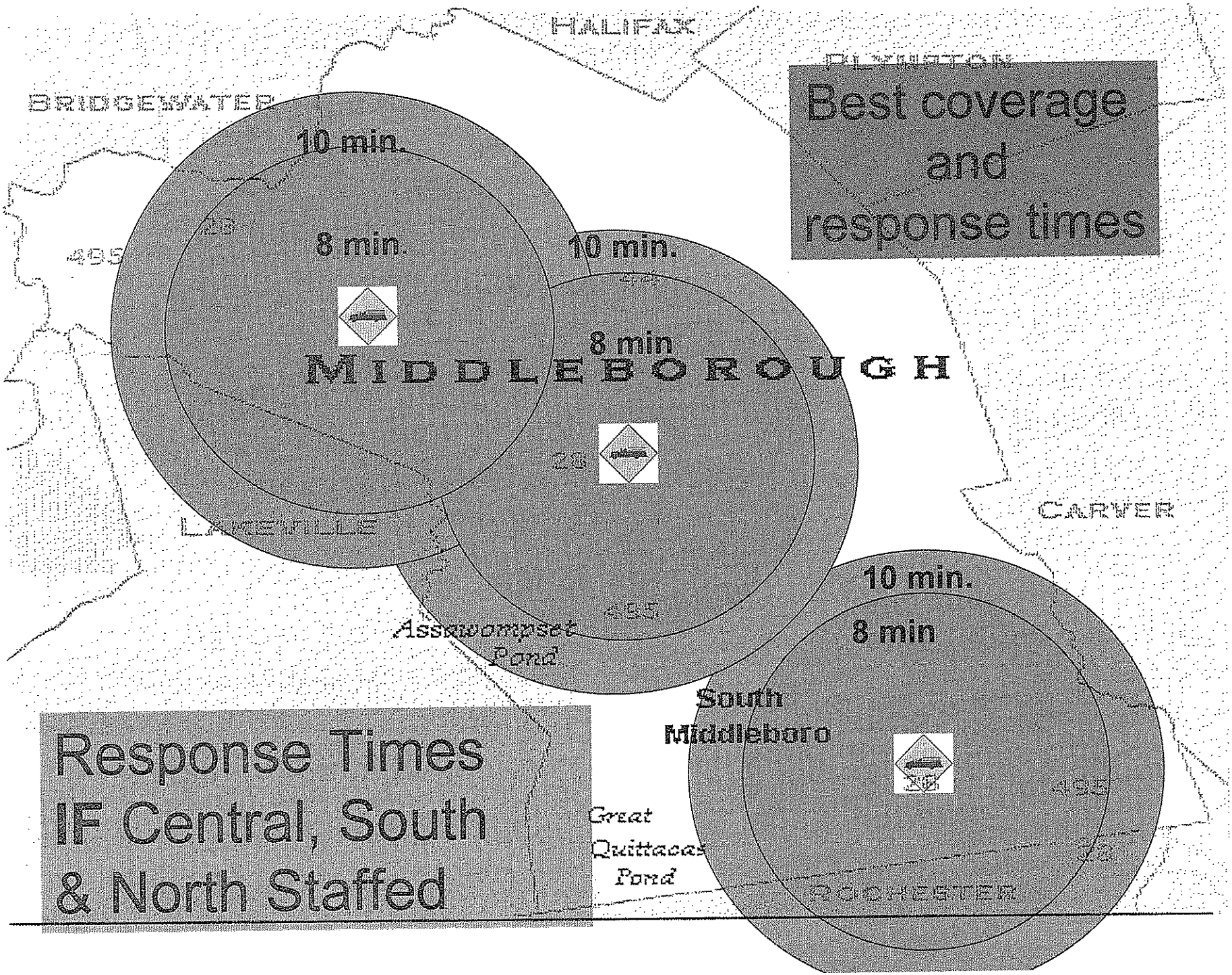
Response Times with Central Staffed

Approx. 60% of the time



Response Times with Central & South

Full shift of seven (7)


Best coverage and response times
HALIFAX
PLYMPTON
BRIDGEWATER
10 min.
8 min.
10 min.
8 min
MIDDLEBOROUGH
LAKEVILLE
CARVER
Assawompset Pond
10 min.
8 min
South Middleboro
Great Quittacas Pond
ROCHESTER
Response Times IF Central, South & North Staffed

What are the standards?
Fire

The National Fire Protection Agency (NFPA) (NFPA 1710 5.2.3.1.1).
Engine Companies shall be staffed with a minimum of **4** firefighters.
5 firefighters on an Engine Company were **100%** effective in firefighting and rescue operations. At **4** firefighters an engine company is **84.7%** effective.

The same holds true for a Ladder Company as for the Engine Company, it is **100%** effective with **5** firefighters.

The National Fire Protection Agency (NFPA) (1710) suggests a **6 minute** response time for EMS/Rescue calls and **8 minute** 1st alarm response (15 ffs) to fire calls.

The National Fire Protection Agency (NFPA) studies prove that an interior structure fire **doubles** in size for **every minute** that passes (Response times).

What are the standards?

EMS

American Heart Association (AHA) suggests a Basic Life Support (BLS) response of **4-6 minutes** and **8 minutes** for Advanced Life Support (ALS).

American College of Surgeons (ACS) suggest the **best chance of survival** for trauma patients is when the patient arrives at a Trauma Center within **60 minutes** ***"The Golden Hour"*** includes time of call (2 min), response (8 min), on-scene time (10-20 min) and transport time.

Trauma Centers:	*Transport time:*
Beth Israel Deaconess Medical Center -ACS Verified Level 1	***50 min***
Boston Medical Center - ACS Verified Level 1	***50 min***
Brigham & Women's Hospital - ACS Verified Level 1	***49 min***
Massachusetts General Hospital - ACS Verified Level 1	***45 min***
South Shore Hospital – ACS Verified Level II	***37 min***

Source	Description	Comments	
ISO	• Targets stations within 2.5 miles of every location. • Resources available to fight common types of fires. • Industrial / institutions may get their own ISO rating (independent of the local fire service). • No response time or other performance standards included.	• 2.5-mile response target is drawn from historical fire service delivery (horses could run for 2.5 miles pulling fire apparatus). • Factors such as water system, access to non-system water, etc., may be used to lower ISO ratings. • Does not impact EMS service delivery.	Staffing, Training and Water Distribution. May decrease Insurance cost
American Heart Association	BLS • Initial (non-paramedic) response in less than 5 minutes from dispatch. • Paramedic response in less than 8 minutes. ALS	• Recognizes the major impact of rapid intervention on survivability in cardiac cases. Most fatal • Standard is often cited as the major planning component for EMS system, even though it does not reflect on the majority of EMS workload (non-cardiac care responses).	23,000 pop. 4,000 55> 18%
NFPA	• NFPA 1710 applies to full-time paid fire departments in urban/suburban communities. • On EMS, NFPA 1710 suggests a total response time of 6 minutes including the following elements: - 1 minute for dispatch processing 90% of the time. - 1 minute for fire department reflex time. - 4 minutes of drive time for first arriving unit. • On Fire, NFPA 1710 suggests a compliment of 15 personnel respond to the scene of a structure fire within 8 minutes of drive time and 10 minutes of total response time.	• Assumes consistent level of risk in communities. Does not account for differences in built-in fire protection, age of construction, or other risks. • Based on incidents with low probability but high-risk potential.	6,500 dwellings Avg. 30 yrs old

How can we staff the fire stations?

Options:

Option 1 – Hire 16 firefighters (salaries, fringe, uniforms & PPE) to staff stations with **no** cost recovery.

Option 2 – Hire 16 firefighter/EMTPs (salaries, fringe, uniforms & PPE) to staff stations, provide an ALS ambulance service and purchase and equip 2 ambulances **with** a cost recovery.

What will it cost?

Personnel
cost projection

Step 1 Firefighter/EMT
(including Night Shift Diff. 6%, EMT 3%, Specialty pay 1%):

Base pay =	$47,805.68
HMO Indiv. =	$ 4,532.64
Medicare 1.45%	$ 680.34
9% Retirement	$ 4,222.80
Injury Reserve	$ 1,000.00
Total =	**$58,241.46**
	X **2**

Cost of Personnel = **$116,482.92**
(2 FF/EMTP, Individual Insurance)

Step 1 Firefighter/EMT
(including Night Shift Diff. 6%, EMT 3%, Specialty pay 1%):

Base pay =	$47,805.68
HMO Family. =	$11,876.16
Medicare 1.45%	$ 680.34
9% Retirement	$ 4,222.80
Injury Reserve	$ 1,000.00
Total =	**$65,584.98**
	X **14**

Cost of Personnel = **$918,189.72**
(14 FF/EMTP, Family Insurance)

Total Personnel Cost = **$1,034,672.60 + $57,200 = $1,091,872.60**
(16 Firefighter/EMTP's Salary + Fringe Benefits) (PPE & Uniforms)

Personnel

additional cost

EMS Coordinator Medical Direction	= $10,000	(Estimated)
Liability/Malpractice Ins.	= $ 2,840	Malpractice Ins. ($177.50 ea. X 16) 1,000,000/3,000,000
Overtime (Callback)	= $100,000	(Estimated 25% of the time - callback of 2 FFs when both ambulances are transporting)
	$112,840.00	

Total Cost of Personnel = **$1,204,712.60**

*****Assumes modifications to the current contract between the Town of Middleborough and the Professional Firefighters*****

Expenses

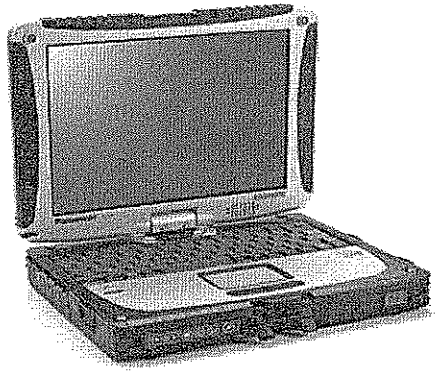
ITEM	***Annual Cost***
2 Ambulances (Class I, Type III Box Style) ($175,000 ea., Approximately **7 year** life span)	**$50,000**
Ambulance Maintenance	**$ 5,833**
Additional Fuel	**$ 7,308**
12 Lead Defibrillator / Monitor / Pacer ($30,000 ea., Approximately **7 year** life span)	**$ 8,571**
Medical / medication supplies	**$20,000**
Rugged Laptop Computers / Software / Billing (Electronic Patient Care Reports / Billing)	**$50,000**
ALS State License / Inspections ($600 Lic., $200 Inspection each Amb.)	**$ 1,000**

Total Annual Expenses = **$142,712**

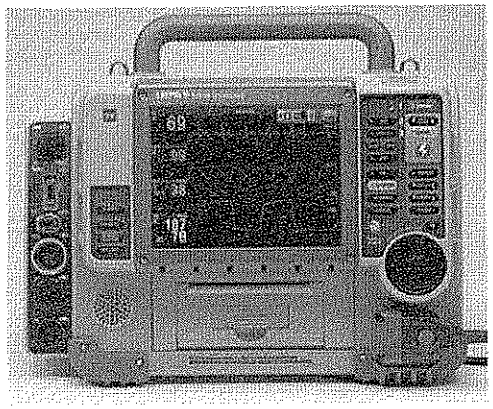
Equipment

Class I Type III

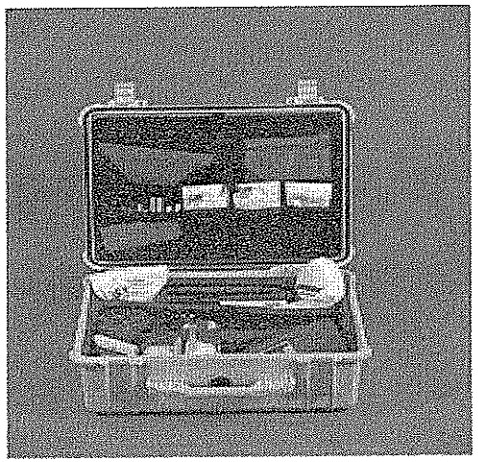
Laptops / Software



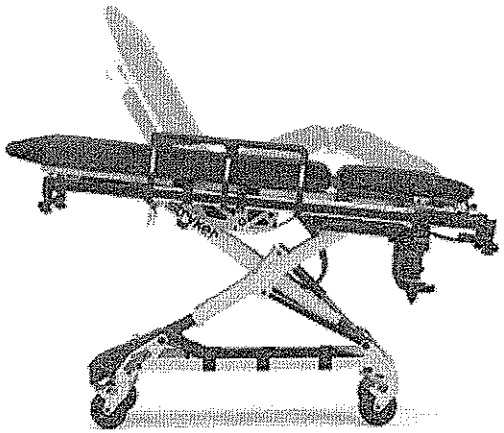
EKG / Defib / Pacer



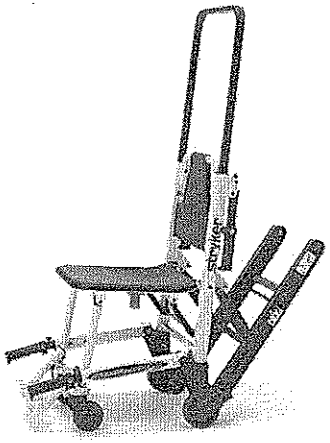
Medication Box



Power stretcher



No-lift stair chair



Cost of staffing the fire stations

How can we pay for it?

Middleborough has been awarded a Federal Emergency Management Agency (FEMA), Department of Homeland Security (DHS)

Staffing for Adequate Fire and Emergency Response (**SAFER**) Grant

	Year 1	Year 2	Total
Personnel	832,480	857,454	1,689,934
Benefits	249,744	257,237	506,981
Total:	**$1,082,224**	**$1,114,691**	**$2,196,915**
	($67,639 / FF)	**($69,668 / FF)**	

SAFER funded firefighters must be retained for one full year at the end of the grant

Cost of staffing the fire stations

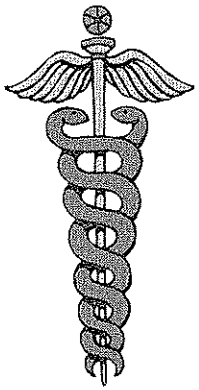
How can we pay for the 3rd Year?

Purchase and Equip 2 Ambulances, staffed with (dual role) firefighter / paramedics to generate revenue to **offset** the cost.

How much revenue will it generate?

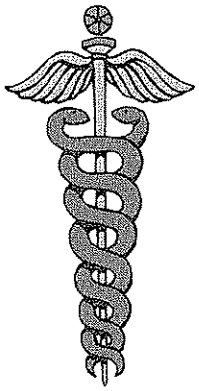
Current AMR rates (January 2009)

Code	Ambulance Base Product	Rate	
A0429	**BLS** Emergency Base Rate	**$840.00**	
A0427	**ALS 1** Emergency Base Rate	**$1,020.00**	
A0433	**ALS 2** Emergency Base Rate	**$1,200.00**	
A0425	**BLS** Ground **Mileage** per mile	**$25.00**	
	ALS Ground **Mileage** per mile	**$25.00**	
	Ambulance Additional Services		
A0396	BLS Disposable Airways	**$160.00**	
	ALS Disposable Airways	**$160.00**	
	Suctioning	**$150.00**	
A0422	Oxygen	**$125.00**	
A0394	IV/IO infusion/monitoring per bag	**$160.00**	
Y9214	Cardiac Monitoring	**$250.00**	
A0384	BLS Special Disposables Defib.	**$210.00**	
A0392	ALS Special Disposables Defib.	**$210.00**	
	Extra Attendant EMT/EMTP	**$150.00**	
	ALS Intercept/EMTP Treatment	**$450.00**	



Revenue Projection

Based on current AMR rates & Middleborough Data:



1566 Transports (90% capture)

(Based on **80%** ALS / **19%** BLS / **1%** ALS2 / 10 miles)

60% of Transports – **Medicare/Medicaid** (940)

40% of Transports – **Non Medicare** (626)

Average Bill = $949.58

1,566 x $949.58 = **$1,487,042.28**

Collections:

70% = $1,040,930
+ $200,000 (subsidy)
$1,240,930

80% = $1,189,634
+ $ 200,000 (subsidy)
$1,389,634

Suggested Rates

Billing Company

Code	Ambulance Base Rate	Medicare Rate 1/1/2011	Medicare + 200%
A0426	**ALS 1**	$274.30	**$822.90**
A0427	**ALS 1** Emergency	$434.31	**$1,302.93**
A0428	**BLS**	$228.58	**$685.74**
A0429	**BLS** Emergency	$365.73	**$1,097.19**
A0432	**PI**	$400.02	**$1,200.06**
A0433	**ALS 2**	$628.60	**$1,885.80**
A0434	**SCT**	$742.89	**$2,228.67**
A0425	**Mileage – per mile**	$6.86	**$20.58**
A0422	**Oxygen**	$54.90	**$164.69**
A0394	**IV/IO infusion IV/IO Med administration**	$117.62	**$352.87**
Y9214	**Cardiac Monitoring**	$164.70	**$494.11**
A0384	**BLS** Special Disposables Defibrillator	$117.62	**$352.87**
A0392	**ALS** Special Disposables Defibrillator	$117.62	**$352.87**
	Extra Attendant EMT/EMTP		**$150.00**
A0396	**Airways**	$133.33	**$400.00**
	Suctioning		**$150.00**

Revenue Projection

Based on Proposed Rates & Middleborough Data

1566 Transports (90% capture)

(Based on Mass. Avg. **70%** ALS / **30%** BLS / **10** miles)

60% of Transports – **Medicare/Medicaid** (940)

40% of Transports – **Non Medicare** (626)

Average Bill = $842.50

1,566 x $842.50 = **$1,319,355**

Collections:

70% = $923,548
+ $200,000 (subsidy)
$1,123,548

80% = $1,055,484
+ $ 200,000 (subsidy)
$1,255,484

Average collection from billing company **85%** = $1,121,452
+ $ 200,000
$1,321,452

Cost of staffing the fire stations

Options:

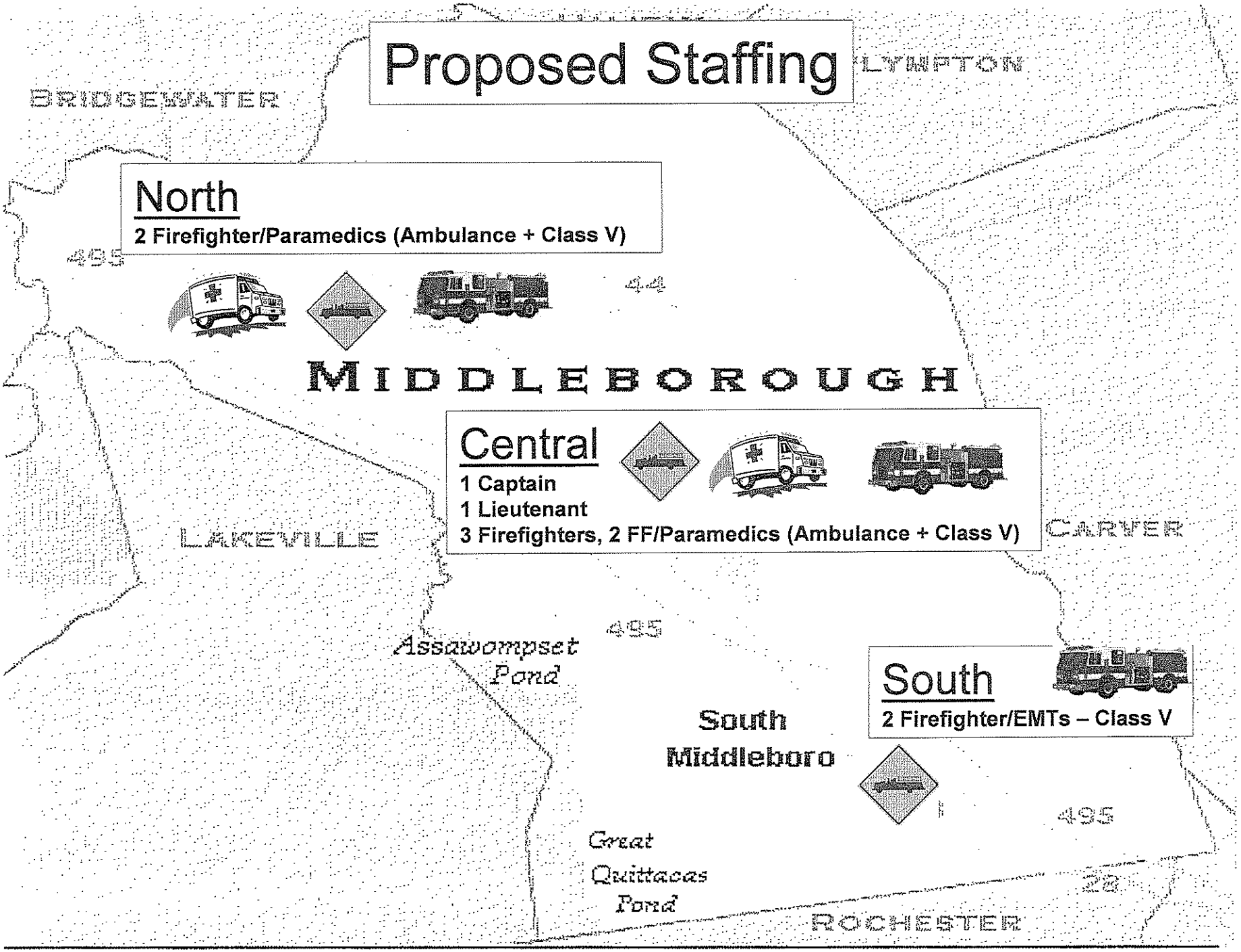
Option **1**

Hire 16 firefighters (salaries, fringe, uniforms & PPE) at a cost of **$1,091,872.60** to staff stations with no cost recovery.

Option **2**

Hire 16 firefighter/EMT-Paramedics (salaries, fringe, overtime, malpractice, EMS coordination, uniforms & PPE) provide an ALS ambulance service at a cost of **$1,204,712.60 +** $142,712 expenses = **$1,347,425** **with** cost recovery of **$1,321,452**

Proposed Staffing



North

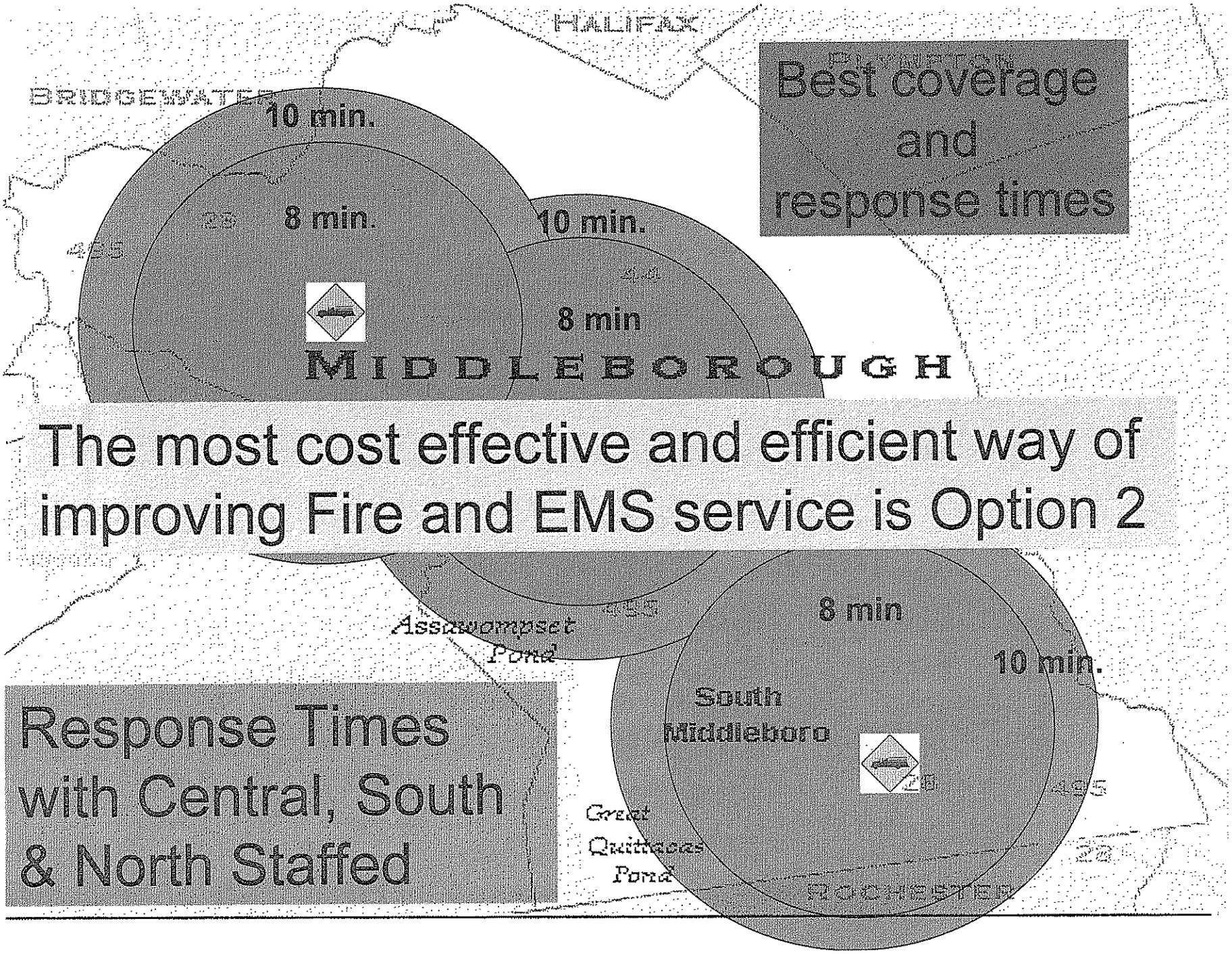
2 Firefighter/Paramedics (Ambulance + Class V)

Central

1 Captain
1 Lieutenant
3 Firefighters, 2 FF/Paramedics (Ambulance + Class V)

South

2 Firefighter/EMTs – Class V



Best coverage and response times

The most cost effective and efficient way of improving Fire and EMS service is Option 2

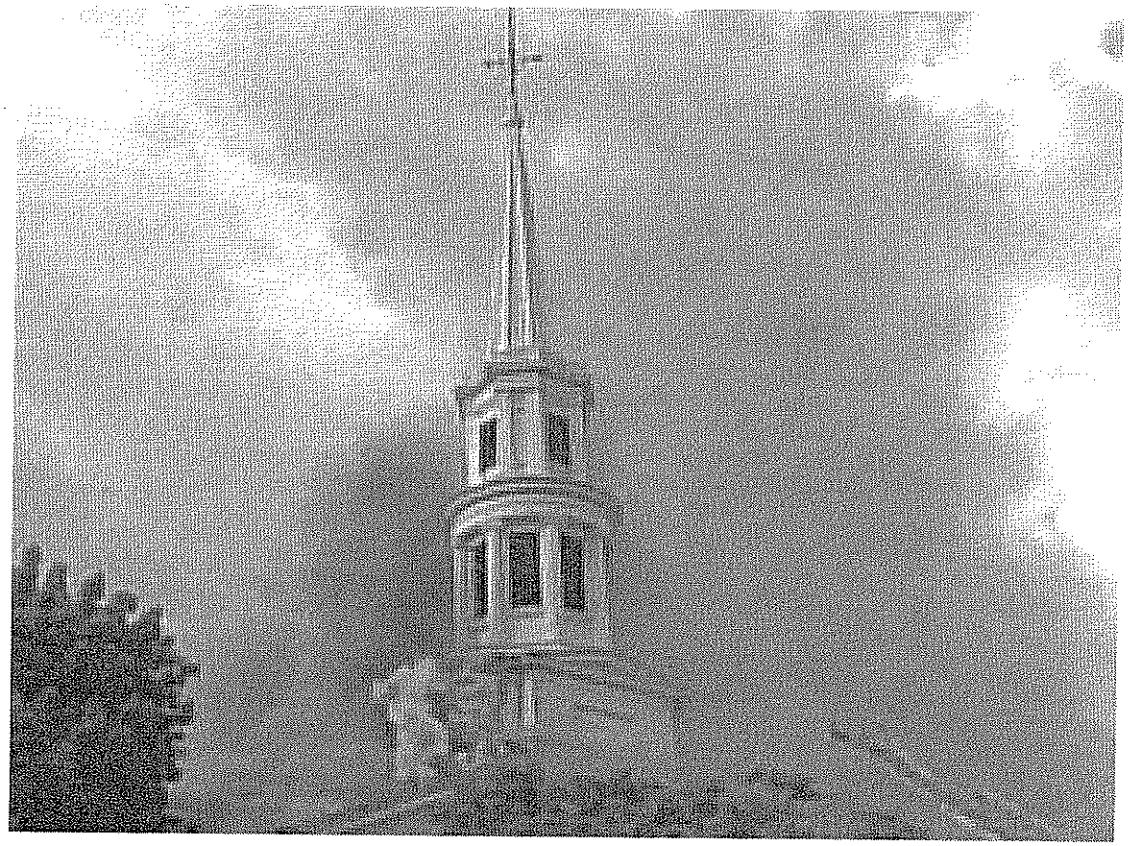
Response Times with Central, South & North Staffed

Summary

Current

Central Sta. Staffed 24/7(4-5 ffs)
South Sta. Staffed **40%** (2 ffs)
North Station **Closed** 24/7
1 ALS **ambulance** dedicated 24/7
3 Class V ambulances
Current Subsidy $250,000
Extended response times
Delayed Apparatus
(Engine/Tower/Forestry/Boat)
Delayed Technical Rescue
(Dive/Trench/Confined Space)
Minimal Fire/EMS coverage

Option 2

Central Station **Staffed** (5 ff/2 FF/EMTP)
South Station **Staffed** (2 ff/EMT)
North Station **Staffed** (2 ff/EMTP)
2 dedicated **ALS** FD **ambulances**
3 Class V ambulances
Decreased response times
Improved Technical Rescue response
Improved Fire/EMS coverage
Dual trained / **role** employees (FF/EMTP)
Increased fire suppression personnel
Increased safety
Reduction in fire ground injury claims
Reduced property loss
Middleborough FF/EMTP treating citizens
Increased Revenue – **Offset cost** of staffing
Enhanced Mutual Aid

Thank You!