



# BOARD OF SELECTMEN & BUILDING, PLANNING AND CONSTRUCTION COMMITTEE (BPCC) JOINT MEETING



Feasibility Study

## NORTHBRIDGE FIRE DEPARTMENT





## ➤ **INTRODUCTION**

- ADAM GAUDETTE - TOWN MANAGER
- BOARD OF SELECTMEN
  - JAMES ATHANAS – CHAIRMAN
    - ALICIA CANNON - VICE CHAIRMAN
    - DANIEL NOLAN - CLERK
    - THOMAS MELIA - MEMBER
    - CHARLES AMPAGOOMIAN, JR. – MEMBER
- DAVID WHITE – FIRE CHIEF
- BUILDING, PLANNING AND CONSTRUCTION COMMITTEE (BPCC)
  - MICHAEL BEAUDOIN – CHAIRMAN
    - PAUL BEDIGIAN - VICE CHAIRMAN
    - BRIAN PAULHUS - MEMBER
    - STEVEN NYE - MEMBER
    - JASON RONDEAU - MEMBER

## ➤ **FEASIBILITY STUDY OVERVIEW**

- BRENT ARTHAUD, CARDINAL CONSTRUCTION INC. – OWNERS PROJECT MANAGER (OPM)

## ➤ **FEASIBILITY STUDY UPDATE**

- LUKE MCCOY, KAESTLE BOOS ASSOCIATES (KBA) – PROJECT DESIGN CONSULTANT

## ➤ **NEXT STEPS**

- BRENT ARTHAUD, CARDINAL CONSTRUCTION INC. – OWNERS PROJECT MANAGER (OPM)
- ADAM GAUDETTE - TOWN MANAGER



## TOWN OF NORTHBRIDGE FIRE DEPARTMENT

### CURRENT STATIONS BACKGROUND

- (17) FULL-TIME FIREFIGHTERS & (17) ON-CALL FIREFIGHTERS
- THE DEPARTMENT'S CURRENT FLEET OF VEHICLES INCLUDES:
  - 3 ENGINE COMPANIES
  - 1 AERIAL LADDER
  - 1 HEAVY RESCUE
  - 3 BRUSH TRUCKS
  - 2 AMBULANCES
  - 3 UTILITY VEHICLES
- THE DEPARTMENT COVERS APPROXIMATELY 19 SQUARE MILES
- STATION INHERITED FROM THE FORMER MILLS
  - TOWN HAS NEVER CONSTRUCTED A FIRE STATION
- FIRE STATION NO. 1 (VILLAGE OF WHITINSVILLE - HEADQUARTERS)
  - CONSTRUCTED CIRCA 1923
  - MANNED AND APPARATUS STATION
- FIRE STATION NO. 2 (VILLAGE OF ROCKDALE)
  - CONSTRUCTED CIRCA 1950'S
  - APPARATUS STATION (UNOCCUPIED STATION)

### SITE SELECTION

- INITIALLY 21 SITES
- SUBCOMMITTEE REDUCED TO 11 SITES:
  - 193 MAIN STREET
  - 180 MAIN STREET
  - WEST OF 253 MAIN ST
  - 44 CROSS STREET
  - 260 PROVIDENCE RD
  - ACROSS 546 PROVIDENCE RD
  - 644 PROVIDENCE RD
  - 1681 PROVIDENCE RD
  - 1868 PROVIDENCE RD
  - 198 CHURCH AVENUE
  - 14 HILL STREET

### OWNERS PROJECT MANAGER (OPM) SELECTION

- REQUEST FOR QUALIFICATIONS (RFQ)

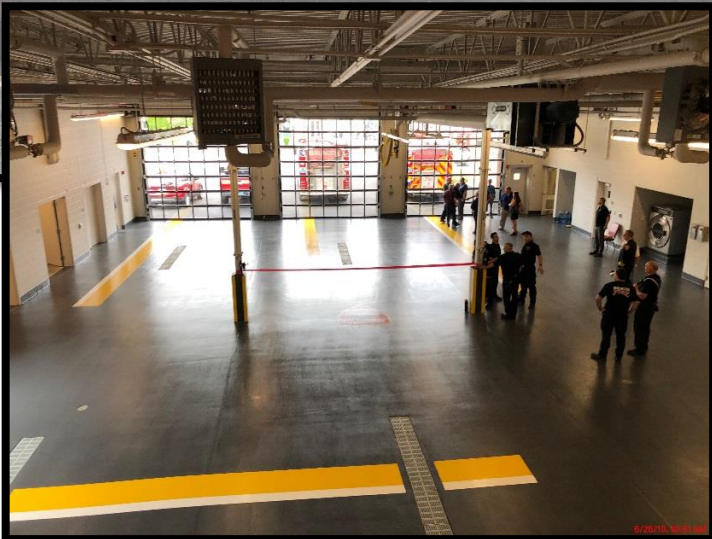




## ➤ FEASIBILITY STUDY OVERVIEW

- BRENT ARTHAUD, CARDINAL CONSTRUCTION INC. – OWNERS PROJECT MANAGER (OPM)

Burlington, MA Fire Station 2



## Cardinal

- PUBLIC AND PRIVATE CONSTRUCTION MANAGEMENT IN MA SINCE 1989
- RECENT PUBLIC SAFETY PROJECTS:
  - BURLINGTON, MA FIRE STATION
  - NORTHBRIDGE DPW BUILDING
- CONSTRUCTION MANAGERS AS WELL AS OWNER PROJECT MANAGERS



Northbridge, MA DPW Building





## ➤ **FEASIBILITY STUDY OVERVIEW**

- **DESIGNER SELECTION PROCESS**
- **ANALYZE THE TOWN'S NEEDS FOR ONE OR MORE FIRE STATION FACILITIES**
  - ASSESS THE EXISTING CONDITIONS OF FIRE STATION NO. 1 (HEADQUARTERS) & STATION NO. 2
  - UNDERSTAND THE EXISTING AND FUTURE DEVELOPMENT GROWTH PATTERNS
  - CONDUCT A RESPONSE TIME STUDY FOR THE CURRENT FACILITIES
  - DEVELOPMENT OF THE FIRE STATION'S PROGRAM REQUIREMENTS
- **DETERMINE THE SITE LOCATION(S) FOR THE NEW FIRE STATION FACILITIES – 11 SITES SELECTED**
  - COMPARE EXISTING STATION RESPONSE TIME TO PROPOSED SITE LOCATION(S)
  - REVIEW PROPOSED SITES FOR SUITABILITY FOR NEW FIRE STATION FACILITIES
  - DEVELOP CRITERIA FOR SITE SELECTION WITH BPCC
  - DETERMINE THE SITE MOST ADVANTAGEOUS TO THE TOWN FOR THE NEW FIRE STATION FACILITY
- **PREPARE CONCEPTUAL DESIGN PLANS FOR THE PROPOSED FACILITY ON THE CHOSEN SITE**
- **DEVELOP A PROJECT BUDGET FOR THE NEW STATION FACILITY BASED ON THE SELECTED OPTION**





## ➤ FEASIBILITY STUDY UPDATE

➤ LUKE MCCOY, KAESTLE BOOS ASSOCIATES (KBA) – PROJECT DESIGN CONSULTANT



OVER 25 PUBLIC SAFETY PROJECTS IN THE PAST DECADE





## ➤ FEASIBILITY STUDY UPDATE

### ➤ EXISTING FIRE STATION NO. 1 (HEADQUARTERS) CONDITIONS (*193 MAIN STREET*)

- BUILDING COMPLETED CIRCA 1923
- BUILDING EXTERIOR
  - CONCRETE FOUNDATION INTEGRITY NEEDS TO BE EVALUATED
  - BRICK FAÇADE EXHIBITS EXTENSIVE DISCOLORATION
  - WINDOW AND STEEL LINTELS REPLACEMENT
  - STEEL DOOR FRAMES, DOORS, AND APPARATUS BAY DOORS REQUIRE REPLACEMENT
  - ROOF LEAKING, STANDING WATER, AND BUBBLING
  - ROOF DRAINAGE SYSTEM BACKFLOWS THROUGH BUILDING FLOOR DRAINS





## ➤ FEASIBILITY STUDY UPDATE (CONTINUED)

### ➤ EXISTING FIRE STATION NO. 1 (HEADQUARTERS) CONDITIONS (193 MAIN STREET)

#### ➤ BUILDING INTERIOR

- EXTENSIVE WATER AND/OR MOISTURE INFILTRATION ON SURFACES
- CEILINGS FLAKING AND CHALKING (CONTAMINATING EQUIPMENT)
- BASEMENT STORAGE AREAS EXPERIENCE CONTINUAL STANDING WATER
- INABILITY FOR WATER TO DRAIN THROUGH APPARATUS BAY FLOOR DRAINS
- STEEL DOOR FRAMES, DOORS, AND APPARATUS BAY DOORS REQUIRE REPLACEMENT
- ROOF LEAKING, STANDING WATER, AND BUBBLING
- ROOF DRAINAGE SYSTEM BACKFLOWS THROUGH BUILDING FLOOR DRAINS







## ➤ FEASIBILITY STUDY UPDATE (CONTINUED)

### ➤ EXISTING FIRE STATION NO. 1 (HEADQUARTERS) CONDITIONS (193 MAIN STREET)

#### ➤ LIFE SAFETY

- EGRESS STAIRS DO NOT MEET CURRENT CODE REQUIREMENTS
- EGRESS STAIRWAY DOES NOT MEET REQUIRED TWO-HOUR FIRE RATING
- EGRESS DOORS ARE NOT FIRE RATED AS REQUIRED
- EXIT SIGNAGE AND REQUIRED EXIT DOOR HARDWARE IS NOT PRESENT
- FREIGHT ELEVATOR STAIRS DO NOT MEET CURRENT CODE REQUIREMENTS
- NO ACCESSIBLE ENTRANCE PROVIDED INTO THE FACILITY
- NO ELEVATOR ACCESS TO OFFICES LOCATED ON 3<sup>RD</sup> FLOOR
- NO ACCESSIBLE TOILET ROOMS
- DOORS, WALL MOUNTED ITEMS, AND INTERIOR SIGNAGE DO NOT MEET CURRENT CODE



## ➤ FEASIBILITY STUDY UPDATE (CONTINUED)

### ➤ EXISTING FIRE STATION NO. 2 CONDITIONS

- BUILDING COMPLETED CIRCA 1950'S
- BUILDING EXTERIOR
  - EXTERIOR WALLS SHOW EXTENSIVE STRUCTURAL DAMAGE DUE TO DIFFERENTIAL SETTLING
  - VEHICLE APRON ALSO SHOWS EXTENSIVE DAMAGE
  - VEHICLE EXITS ARE UNDERSIZED FOR MODERN APPARATUS
- BUILDING INTERIOR
  - BASEMENT FLOODS REGULARLY
- LIFE SAFETY
  - CURRENT STAIRS DO NOT MEET LIFE SAFETY CODE
  - BUILDING IS NOT ACCESSIBLE







# NORTHBRIDGE FIRE STATION STUDY

## FEASIBILITY STUDY UPDATE (continued)

## FACILITY PROGRAMMING WITH THE FIRE DEPARTMENT

### 1. STAFF INTERVIEWS

### 2. SPACE USE SUMMARY

### 3. PLANNING DIAGRAMS

**MITCHELL ASSOCIATES ARCHITECTS**  
• EMERGENCY SERVICES FACILITIES •

**Fire Station Program Document**

Project Name: Northbridge Fire Station  
1<sup>st</sup> Program Meeting Date: 6/24/19  
Printout Date: August 27, 2019  
Filename: Northbridge Fire Program.docx

*This document is not meant to be limited to an inventory of what you currently have. Indicate what you currently need for proper operations and try to forecast what you will need for the future.*

*This program assumes a department with one building. The spreadsheet will address a two station option.*

**A General Information**

A1. Staffing level at station: total: 18 (16 FF's, Chief & admin. Assist.) active: 18 female: 2 option.

A2. Future Possible: 32 firefighters, plus Chief, admin. Assist., and fire inspector

A3. On-Call: 18

A4. Number of Shifts: 4

A5. Number of calls/year at station: 3,000, 66% are medical, 10 structure fires/year.

A6. Administrative Staffing: Chief & admin. Assistant. Planning on a fire inspector.

A7. NOTE: There is an unmanned substation with an engine and a brush truck. Would prefer a one station solution if the response study supports this.

A8. Building Committee:

Meeting Attendance Date: 6/24 7/10 7/15 7/18 7/22 8/27

A5.1. Chief White ☒ ☒ ☒ ☒ ☒ ☒

A5.2. Brent Arthaud ☒ ☒ ☒ ☒ ☒ ☒

A5.9. Rene Croteau ☒ ☒ ☒ ☒ ☒ ☒

A5.10. Bob Mitchell ☒ ☒ ☒ ☒ ☒ ☒

A9. Type of entity:

A9.1. Municipality, Town

A10. Describe Business & Social Structure: Call Firefighter's Association & Local 338 union

A11. Number of Companies or Departments involved: One

A11.1. Northbridge Fire Department

A12. Current Location: 193 Main Street, Whitinsville, MA

**B Functional Activities in Building**

B1. Types of response:

B1.1. Fire: X

B1.2. EMS: X

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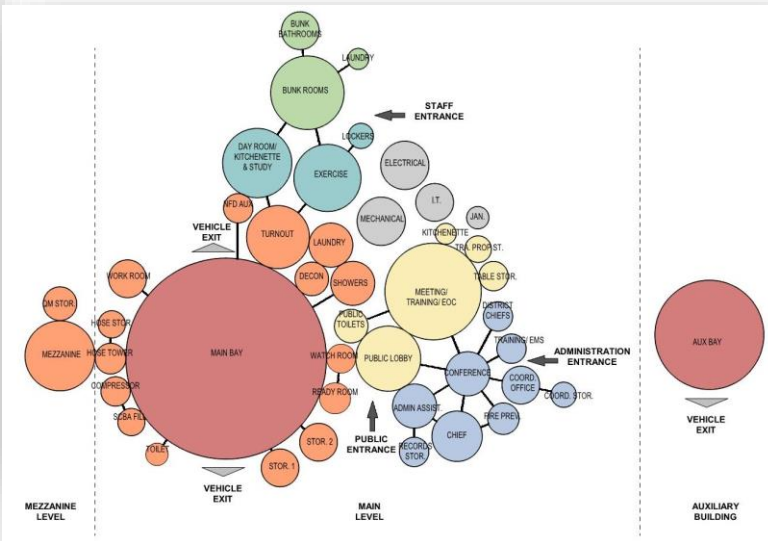
Northbridge Fire Headquarters Space/Usage Analysis - Final - 8/27/2019															
Program Item	Room Name	1st Floor Area	Mezz	2nd Floor Area	Upper Tower	Remote Structure	Total Area	Program Item	Room Name	1st Floor Area	Mezz	2nd Floor Area	Upper Tower	Remote Structure	Total Area
<b>Firefighters</b>															
1	Apparatus Bay	7,164					7,164	41	Day Room	635					635
2	Secondary Apparatus Bay	2,340					2,340	42	Study Room	163					163
3	Remote Apparatus Bay					2,112	2,112	43	Firefighter's ADA Rest Rooms	79					79
Subtotal - Apparatus							11,616	44	Exercise	800					800
4	Firearm Support							45	Single Occupant Changing Room	112					112
Subtotal - Firearm Support							809	Subtotal - Firefighters							1,788
5	Storage Room #1	219					219	<b>Bunking</b>							
6	Storage Room #2	216					216	46	Bunkers/Bedrooms w/out (11) @ 118	944					944
7	Quartermaster Storage Room	153					153	47	Bunker's Bathrooms (2) @ 75 & (1) @ 94	240					240
8	House Storage	160					160	48	Bunker's Area Laundry Room	82					82
9	Turnout Gear Storage Room	661					661	Subtotal - Bunking							1,266
10	Decon/Laundry	502					502	<b>Public Spaces</b>							
11	Hot Side Shower(s)	276					276	49	Public Entry Area	750					750
12	EMS Storage Room	297					297	50	Cost Room	30					30
13	Apparatus Floor Rest Room	76					76	51	Meeting/Training EOC	1,591					1,591
14	SCBA Compressor	154					154	52	Table & Chair Storage	156					156
15	SCBA Fill Station	120					120	53	Training Props Storage	130					130
16	Work Room	307					307	54	A/V Equipment	24					24
17	Utility Room	82					82	55	Kitchenette	86					86
18	SCBA Auxiliary Storage	150					150	56	Public Rest Rooms M & F	256					256
19	Yard Storage					249	249	Subtotal - Public Spaces							3,813
20	Hazardous Waste Storage	12					12	<b>Miscellaneous Space</b>							
21	Janitor's Closet	64					64	57	J2 Entry Vestibules	160					160
22	Ready Room	176					176	58	Delivery Room	100					100
23	Ready/Watch Room	136					136	59	Hosekeeping Storage (1) @ 50 & (1) @ 10	60					60
24	Tower	144	135	135	135		549	60	Janitor's Closet (1 each floor)	156					156
Subtotal - Firearm Support							4,520	61	File Server & Communication	123					123
Subtotal - Administration							3,395	62	Mechanical/Electrical	350					350
25	Staff Lobby	60					60	63	Sprinkler	43					43
26	Conference Room	330					330	64	(2) Stairwells (area per floor)	356	164				720
27	Chief's Office	426					426	65	Elevator (area per floor)	56	56				116
28	Administrative Assistant's Office	270					270	66	Elevator Equipment Room	62					62
29	Training Officer/EMS Office	140					140	67	Elevator Foyer	80					80
30	Deputy Chief's Office	150					150	Subtotal - Miscellaneous Spaces							1,565
31	Coordinator's Office	247					247	<b>Area Subtotal</b>							9,504
32	Fire Prevention Office	175					175	Bay							
33	Building Inspector	345					345	Firearm Support	3,557	444	135	135	249		4,520
34	Board of Health	455					455	Mezzanine							
35	Fire Prevention Records Storage	396					396	Office & Living	9,771						9,771
36	Office Area Support Room	77					77	<b>Walls &amp; Circulation</b>							
37	Office Area ADA Compliant Rest Room	74					74	Apparatus Bay Walls @ 8%	569						569
38	Fire Education Storage	100					100	Firearm Support Walls @ 13%	534	67	20	20	37		678
39	Fire Department Records Storage	136					136	Firearm Support Circulation @ 13%	534						534
40	High Value Storage Closet	4					4	Office Area Walls @ 10%	1,563						1,563
Subtotal - Administration							3,395	Office Area Circulation @ 15%	1,466						1,466
Subtotal - Administration							3,395	Subtotal - Walls & Circulation							4,886
Subtotal - Administration							3,395	Total w/ Firearm Support							27,000
Subtotal - Administration							3,395	Firearm Support							27,000

Michael Associates Architects

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8/27/2019 Northbridge Space Usage.xlsx



OPERATIONALLY – ONE STATION

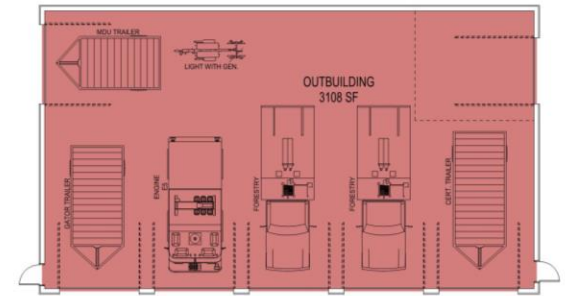
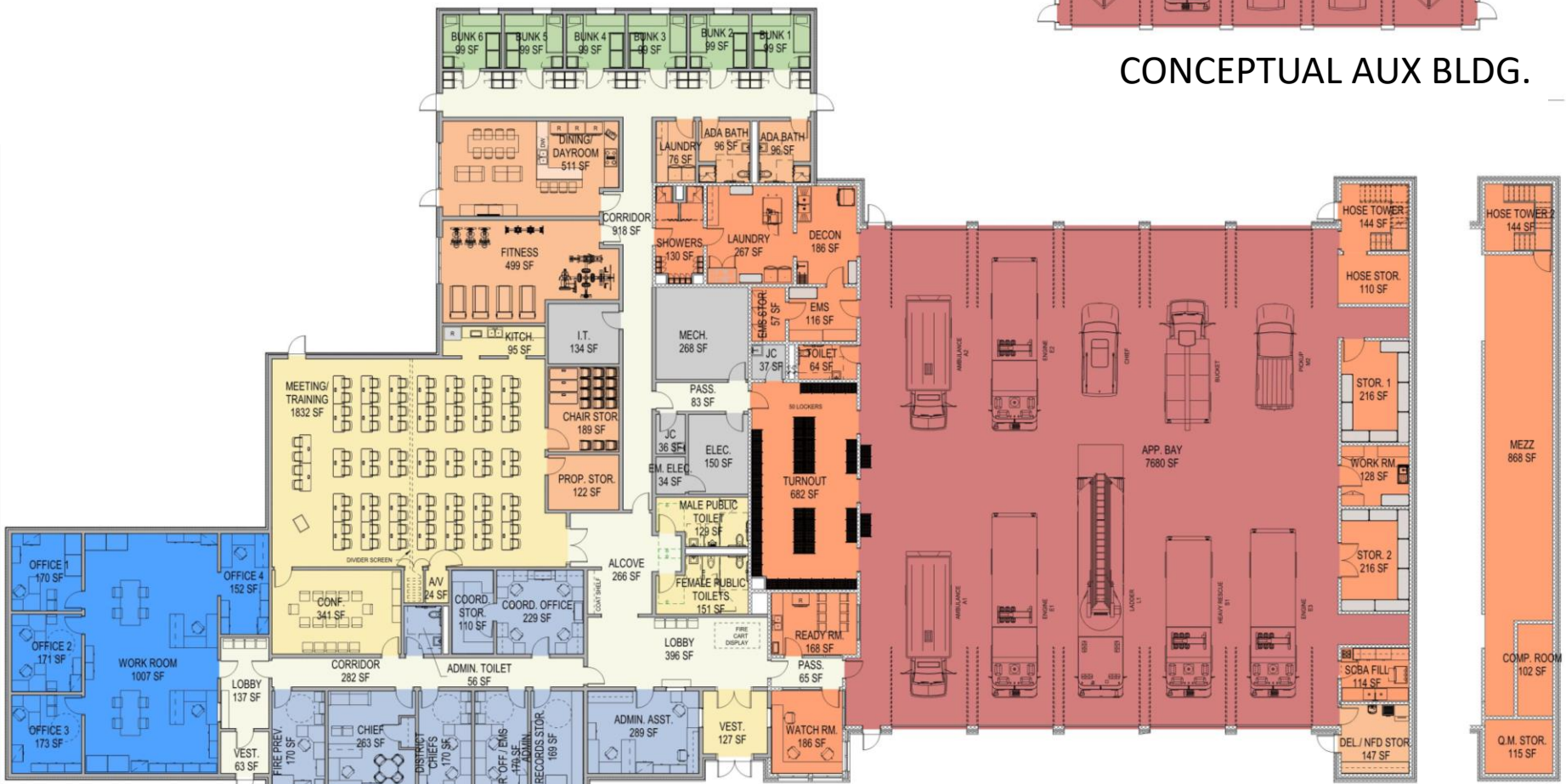


## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ Facility Programming

COLOR LEGEND

- ADMINISTRATION
- BUILDING SUPPORT
- BUNK
- CIRCULATION
- FIRE APPARATUS BAYS
- FIRE SUPPORT
- PUBLIC/ SHARED
- STAFF SUPPORT
- TOWN OFFICES



CONCEPTUAL AUX BLDG.

CONCEPTUAL FLOOR PLAN











## ➤ FEASIBILITY STUDY UPDATE *(continued)*

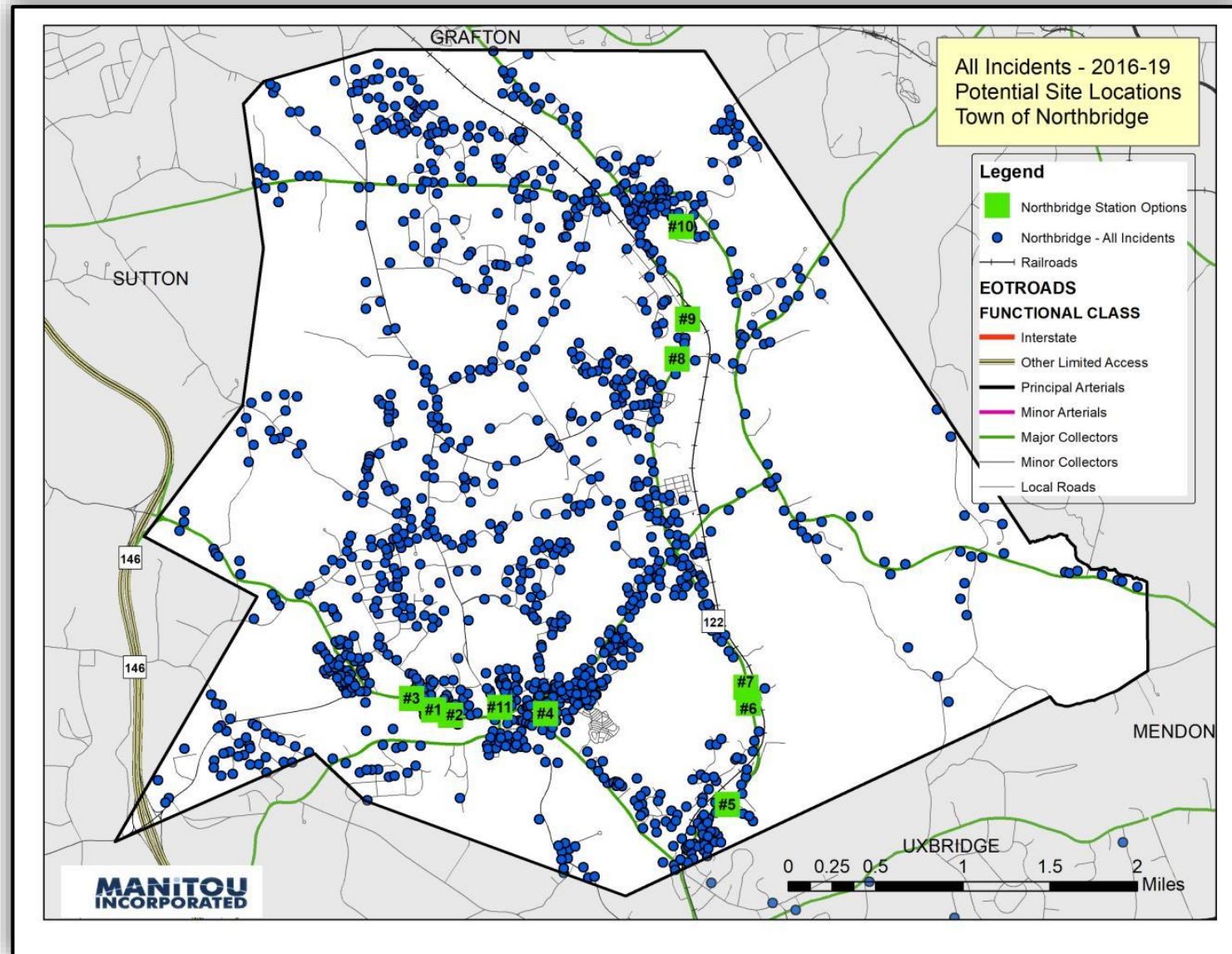
- SITE SELECTION PROCESS
  - RESPONSE STUDY
    - ALL INCIDENTS – 2016-2019

## ➤ EXISTING HEADQUARTERS

- OCCUPIED STATION
- APPARATUS STORAGE

## ➤ SUB-STATION

- UNOCCUPIED STATION
- APPARATUS STORAGE
- NO IMPACT ON RESPONSE TIME







## ➤ FEASIBILITY STUDY UPDATE *(continued)*

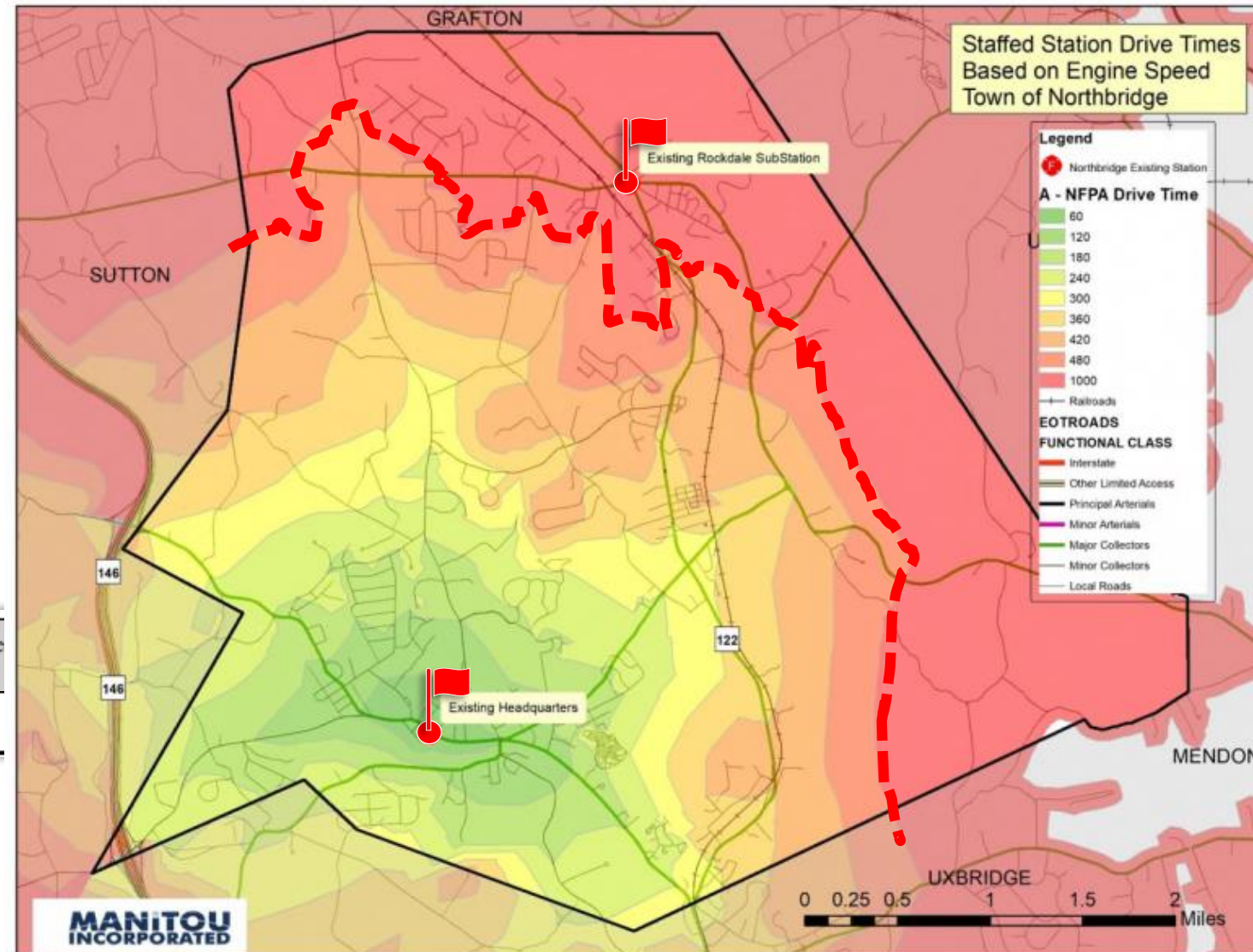
- SITE SELECTION PROCESS
  - RESPONSE STUDY
    - RESPONSE TIME

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

- STANDARD 1720 (2014)
  - *STANDARD FOR THE ORGANIZATION AND DEPLOYMENT OF FIRE SUPPRESSION OPERATIONS, EMERGENCY MEDICAL OPERATIONS, AND SPECIAL OPERATIONS TO THE PUBLIC BY VOLUNTEER FIRE DEPARTMENTS.*

Demand Zone a	Population Density	Minimum Staff to Respond <sup>b</sup>	Response Time (minutes) <sup>c</sup>	Me
Suburban area	500–1000 people per sq. ml.	10	10	

- **80% IN 10 MINUTES OR LESS**



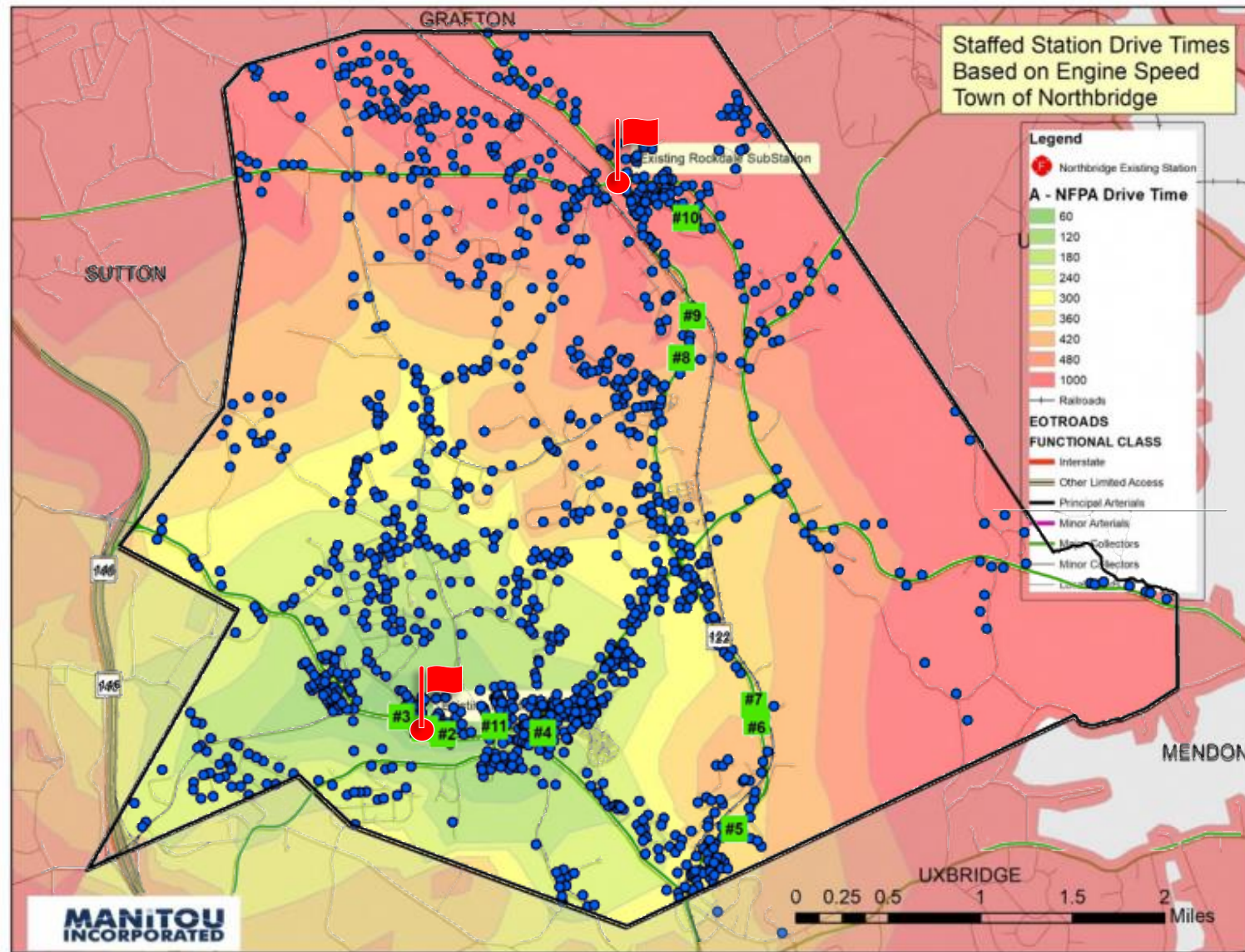


## ➤ FEASIBILITY STUDY UPDATE *(continued)*

- SITE SELECTION PROCESS
  - RESPONSE STUDY
    - RESPONSE TIME
- EXISTING HEADQUARTERS
- SUB-STATION
  - UNOCCUPIED STATION
  - NO IMPACT ON RESPONSE TIME

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

- STANDARD 1720 (2014)
  - 80% IN 10 MINUTES OR LESS
  - CURRENT STATION:
    - **78.3% IN EIGHT MINUTES OR LESS**







# NORTHBRIDGE FIRE STATION STUDY

KAESTLE BOOS  
associates, inc

MA MITCHELL  
ASSOCIATES  
ARCHITECTS

Cardinal

## FEASIBILITY STUDY UPDATE (CONTINUED)

### SITE SELECTION PROCESS

#### SITE FEASIBILITY EVALUATION

#### Site Selection Rating Criteria

Northbridge Fire Study  
Northbridge, Massachusetts

Wednesday, September 18, 2019

CRITERIA	RATING SCALE
1. Lot size to accommodate entire program	3
2. Critical/unobstructed sightlines from site	2
3. Building visibility from the road	1
4. Permitted zoning use	1
5. Acquisition/temporary relocation costs	3
6. Site development and building impact costs	3

#### PRELIMINARY SITE EVALUATION MATRIX

CRITERIA	SITE #2 180 Main Street				SITE #4 44 Cross Street				SITE #5 260 Providence Road				SITE #7 644 Providence Road				SITE #8 1681 Providence Road				SITE #10 198 Church Av			
SITE CONSIDERATIONS																								
Technical Criteria	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments
1. Lot size to accommodate entire program		3				3				3				3				3				3		
2. Critical/unobstructed sightlines from site		2				2				2				2				2				2		
3. Building visibility from the road		1				1				1				1				1				1		
4. Permitted zoning use		1				1				1				1				1				1		
5. Acquisition/temporary relocation costs		3				3				3				3				3				3		
6. Site development and building impact costs		3				3				3				3				3				3		
7. Environmental/regulatory restrictions		1				1				1				1				1				1		
8. Town departments relocated within station		2				2				2				2				2				2		
9. Ability for future expansion		3				3				3				3				3				3		
Technical Score SUBTOTAL	0	19			0	19			0	19			0	19			0	19			0	19		
Subjective Criteria	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments	Score	Rel. Weight	Total	Comments
10. Department support		3				3				3				3				3				3		
11. Community support		3				3				3				3				3				3		
12. Site location to provide equal or better response time		3				3				3				3				3				3		
Subjective score SUBTOTAL	0	9			0	9			0	9			0	9			0	9			0	9		

SCORE X RELATIVE WEIGHT = TOTAL

RELATIVE WEIGHT:  
1- SOMEWHAT IMPORTANT  
2- IMPORTANT  
3- VERY IMPORTANT

RATING SCALE:  
1- SOMEWHAT IMPORTANT  
2- IMPORTANT  
3- VERY IMPORTANT





## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SITE SELECTION PROCESS

### ➤ SITE #10 – 198 CHURCH AVENUE

### ➤ PROS

- SIGHTLINES FROM SITE
- BUILDING VISIBILITY FROM ROAD

### ➤ CONS

- PARCEL TOO SMALL FOR FULL BUILDING PROGRAM
- LACK OF DEPARTMENT SUPPORT
- NO ADDITIONAL SPACE FOR TRAINING ON-SITE

➤ SCORE: 42







## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SITE SELECTION PROCESS

### ➤ SITE #5 – 260 PROVIDENCE ROAD

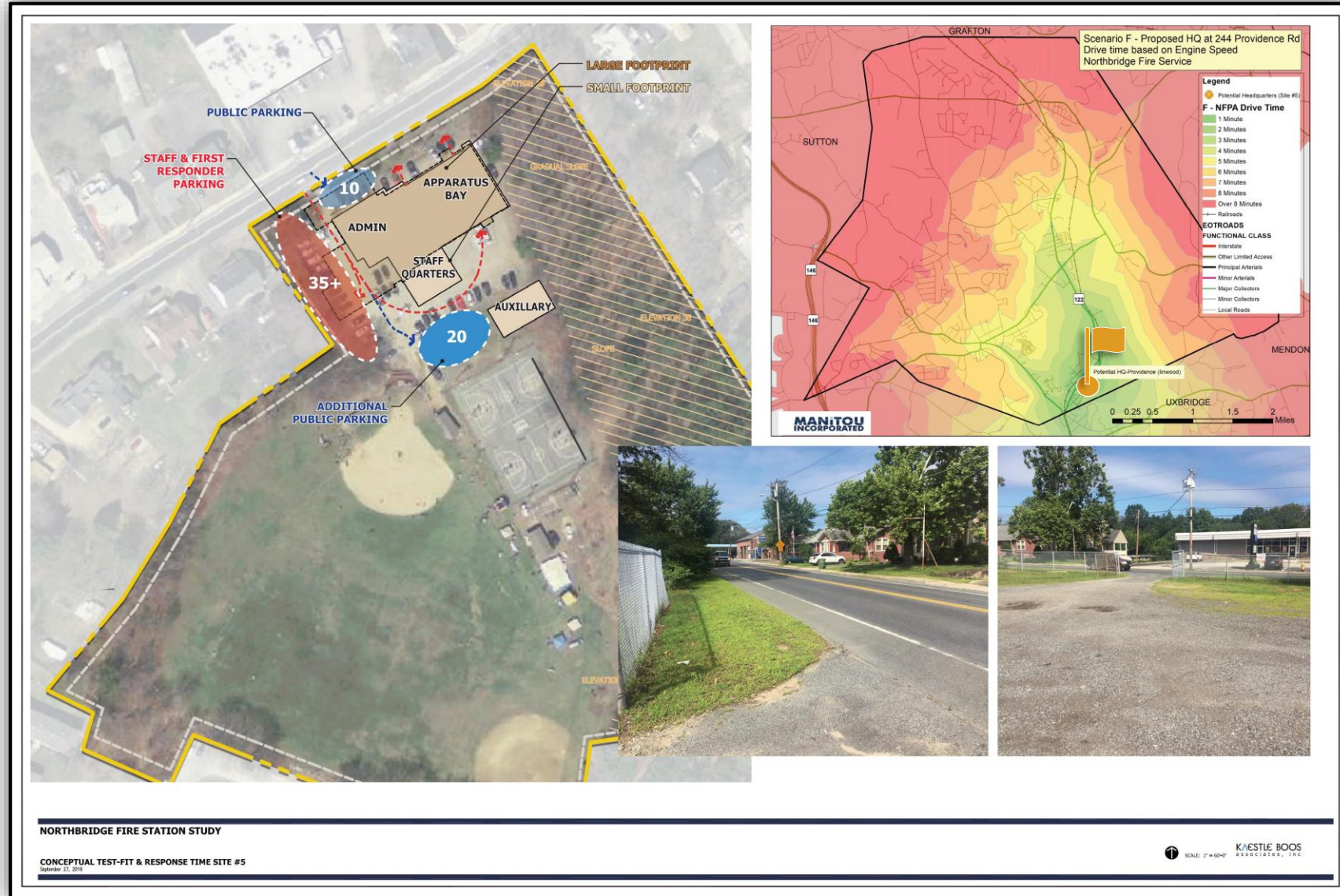
#### ➤ PROS

- RESPONSE TIME: 82.2%
- BUILDING VISIBILITY FROM ROAD
- ADDITIONAL SPACE FOR TRAINING ON-SITE

#### ➤ CONS

- LACK OF DEPARTMENT SUPPORT
- DEVELOPMENT COSTS
- ONLY SLIGHTLY IMPROVES RESPONSE TIME TO NORTH

➤ SCORE: 52







## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SITE SELECTION PROCESS

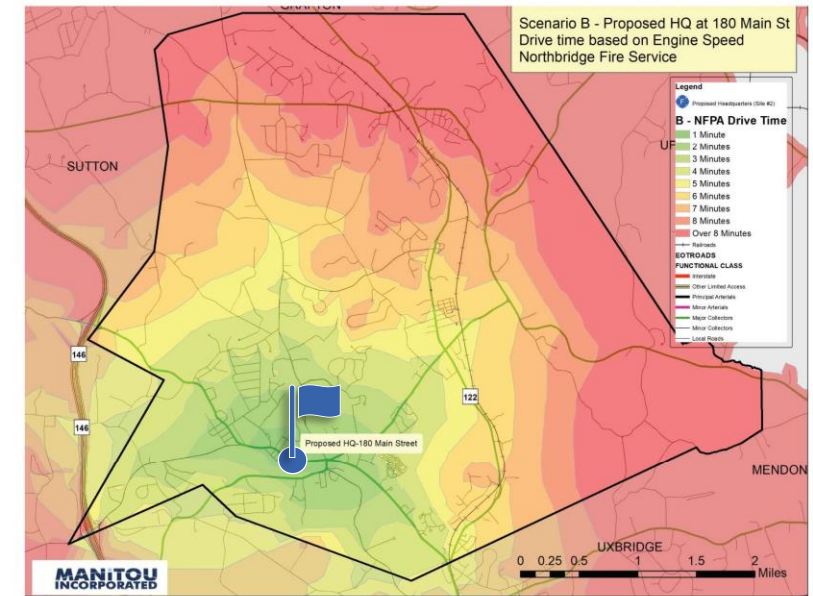
#### ➤ SITE #2 – 180 MAIN STREET

#### ➤ PROS

- RESPONSE TIME: 78.9%
- DEVELOPMENT COSTS
- SIGHTLINES FROM SITE

#### ➤ CONS

- PARCEL TOO SMALL FOR FULL BUILDING PROGRAM
- DOES NOT IMPROVE RESPONSE TIME TO NORTH
- NO ADDITIONAL SPACE FOR TRAINING ON-SITE



NORTHBRIDGE FIRE STATION STUDY

CONCEPTUAL TEST-FIT & RESPONSE TIME SITE #2

September 21, 2018

➤ SCORE: 53

1 SITE SCALE: 1"=20' KAESTLE BOOS  
ASSOCIATES, INC.











## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SITE SELECTION PROCESS

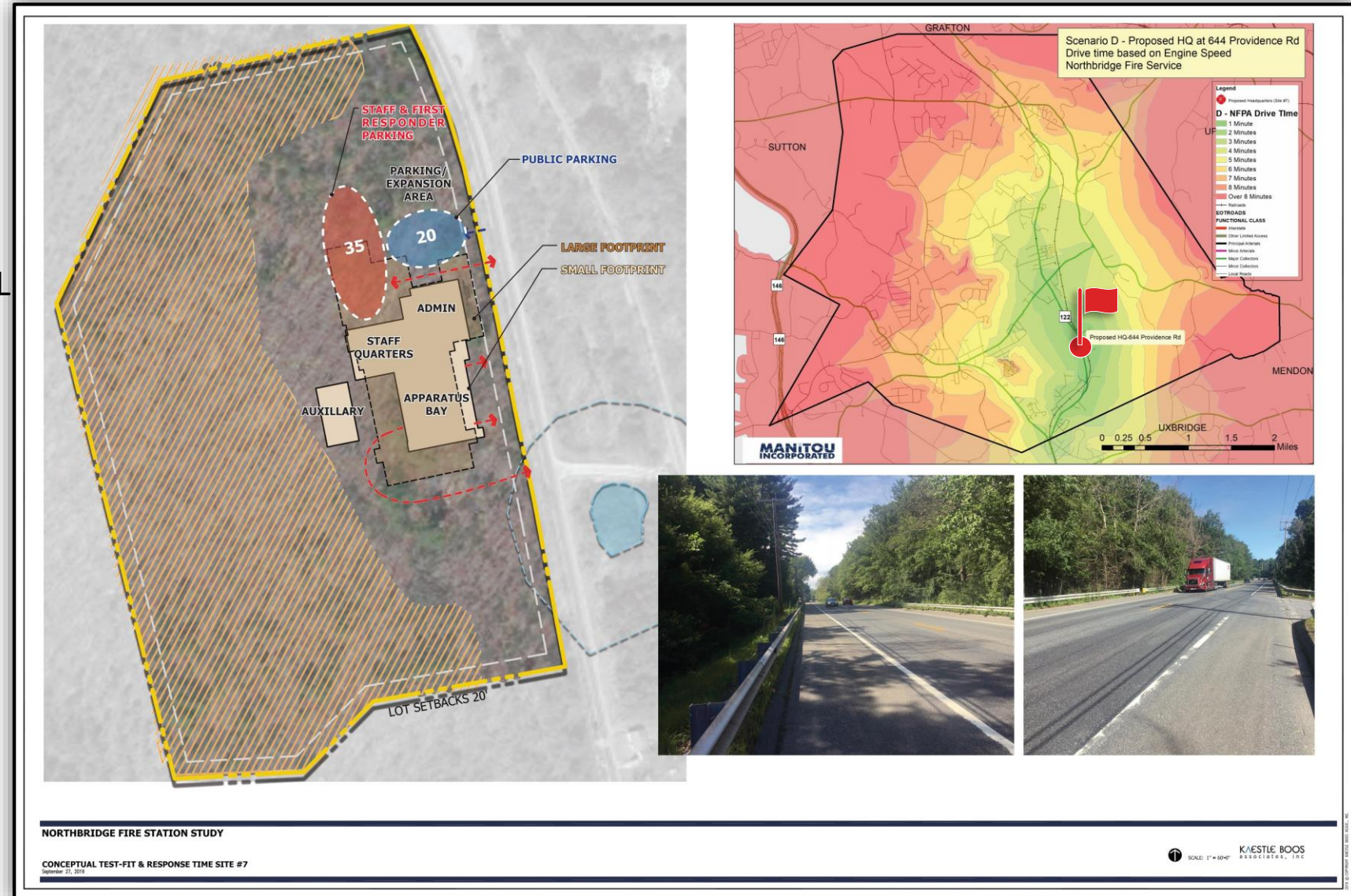
### ➤ SITE #7 – 644 PROVIDENCE ROAD

### ➤ PROS

- PARCEL ACCOMMODATES FULL BUILDING PROGRAM
- MODERATE SITE DEVELOPMENT COSTS
- ADDITIONAL SPACE FOR TRAINING ON-SITE

### ➤ CONS

- LACK OF DEPARTMENT SUPPORT
- RESPONSE TIME: 57.2%



➤ SCORE: 65







## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SITE SELECTION PROCESS

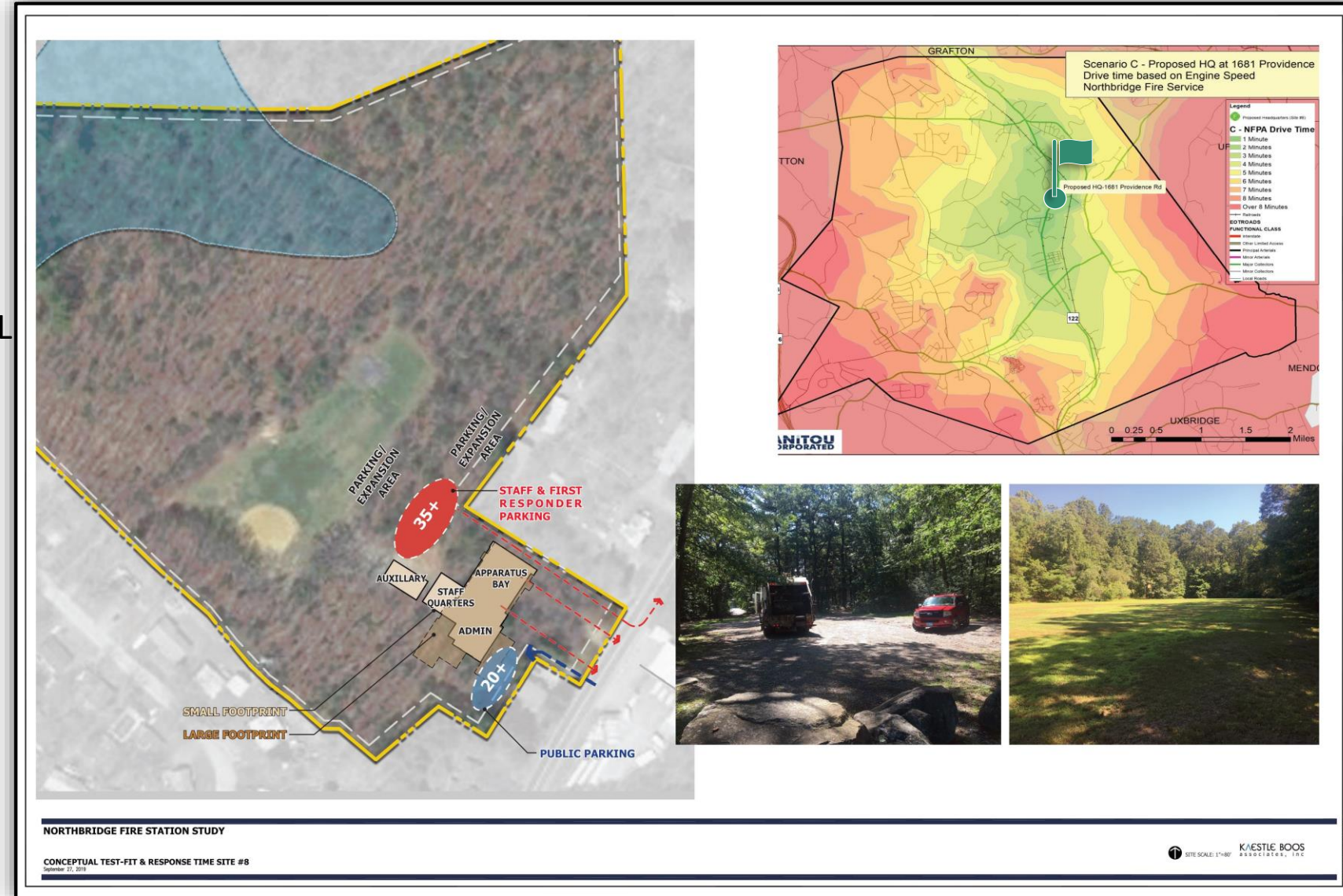
### ➤ SITE #8 – 1681 PROVIDENCE ROAD

#### ➤ PROS

- RESPONSE TIME: 94.5%
- PARCEL ACCOMMODATES FULL BUILDING PROGRAM
- SITE DEVELOPMENT COSTS
- ADDITIONAL SPACE FOR TRAINING ON-SITE

#### ➤ CONS

- BUILDING VISIBILITY FROM ROAD
- POTENTIAL REGULATORY RESTRICTIONS  
(OUTSIDE OF PROPOSED DEVELOPMENT AREA)



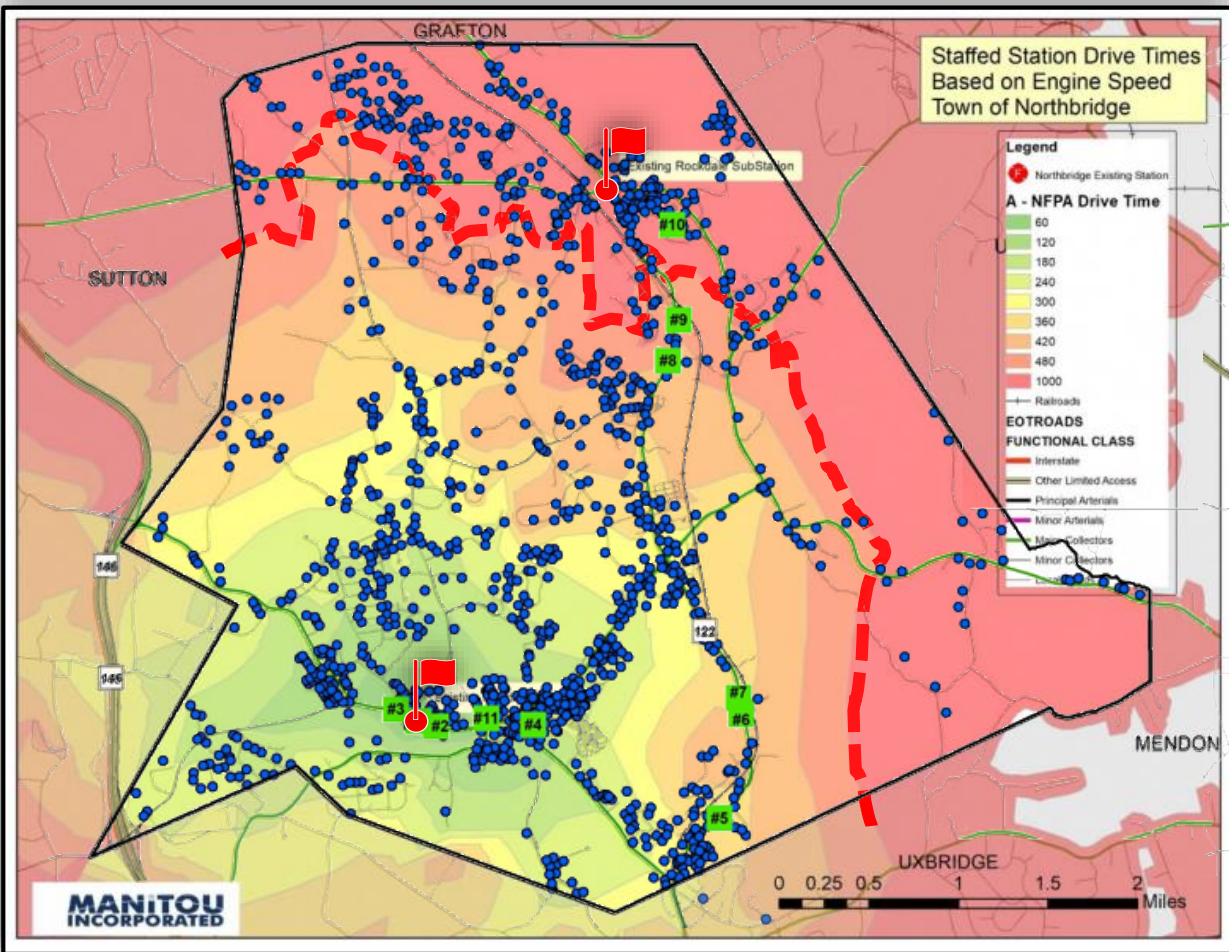
➤ **SCORE: 79**





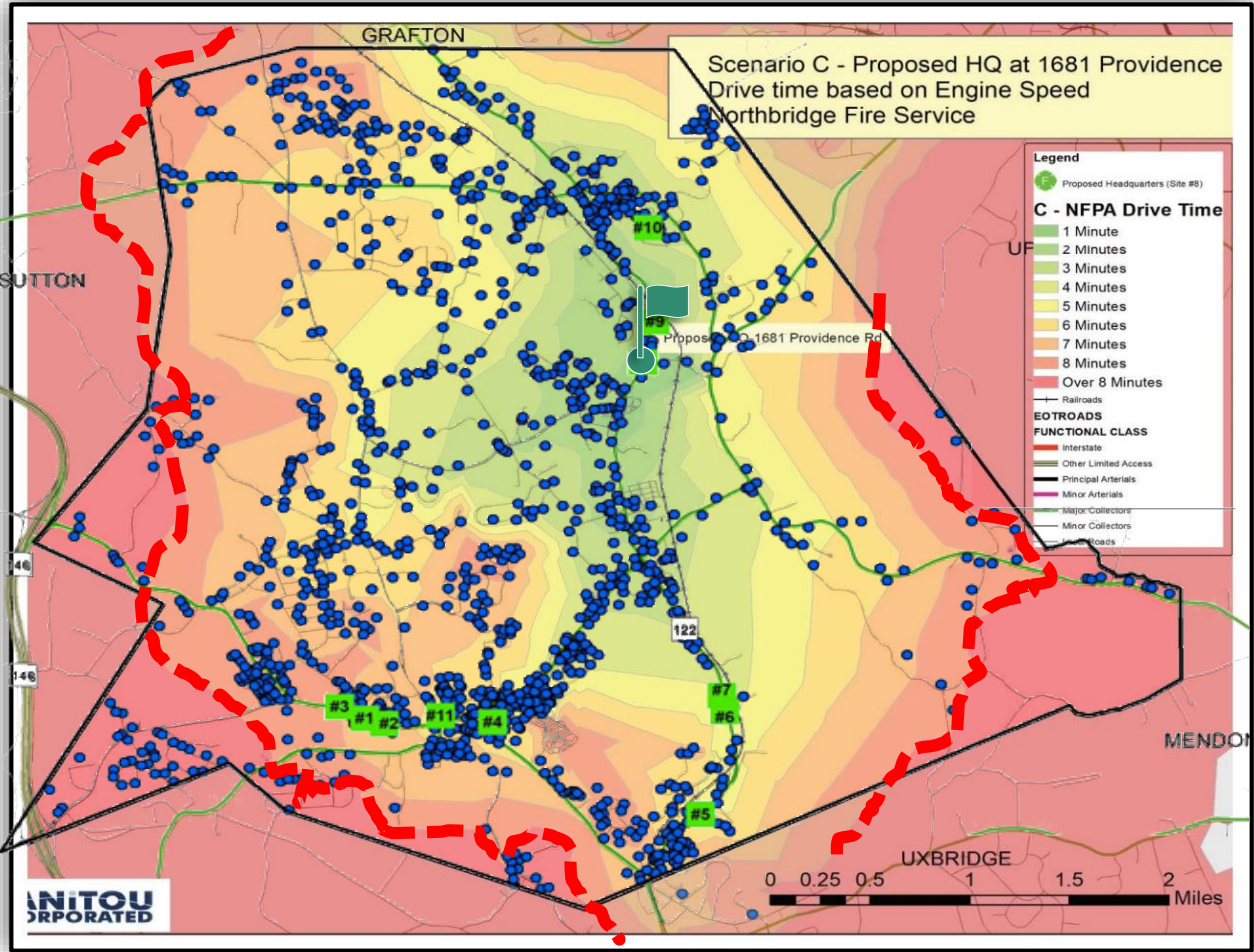


## ➤ FEASIBILITY STUDY UPDATE *(continued)*



### EXISTING STATION LOCATION

8 MINUTE CUMULATIVE PERCENTAGE: 78.3%



### SELECTED STATION LOCATION

8 MINUTE CUMULATIVE PERCENTAGE: 94.5%







## ➤ FEASIBILITY STUDY UPDATE *(continued)*

### ➤ SELECTED SITE

SITE #8 – 1681 PROVIDENCE ROAD

- CONTINUE TO REVIEW LAYOUT WITHIN SITE
  - BUILDING TO ACCOMMODATE FULL PROGRAM
  - ABILITY FOR ON-SITE TRAINING
  - APPARATUS STORAGE
  - PUBLIC AND STATION PARKING
  - FUTURE EXPANSION POTENTIAL





## ➤ NEXT STEPS

- FEASIBILITY STUDY
  - FINALIZE PROGRAMMING
  - FINALIZE CONCEPTUAL DESIGN
  - PROJECT ESTIMATING/BUDGETING
  - FINAL REPORT
    - JANUARY 2020
- VOTER APPROVAL PROCESS
  - MAY 2020







# QUESTIONS

