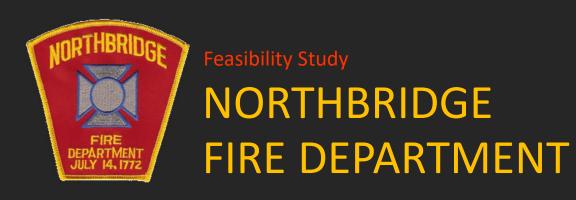
PUBLIC FORUM #2





□ OUTLINE

- INTRODUCTION OF THE DESIGN TEAM
- BACKGROUND FOR THE PROJECT
 - FIRE DEPARTMENT OPERATIONS
 - STATION CONDITIONS
 - FEASIBILITY STUDY PROCESS
- FEASIBILITY STUDY PROGRESS #1
 - FIRST PUBLIC FORUM: NOVEMBER 20, 2019

- FEASIBILITY STUDY PROGRESS #2
 - GOULET BACKGROUND
 - FLOOR PLAN
 - SITE LAYOUT
 - FAÇADE RENDERINGS
 - QUESTIONS RECEIVED TO DATE
 - COST ESTIMATES
 - TAX PAYER IMPACTS
- NEXT STEPS

☐ PROJECT TEAM

- > TOWN MANAGER ADAM GAUDETTE
- FIRE CHIEF DAVID WHITE
- > BUILDING, PLANNING AND CONSTRUCTION COMMITTEE (BPCC)
 - MICHAEL BEAUDOIN CHAIRMAN
 - PAUL BEDIGIAN VICE CHAIRMAN
 - STEVEN NYE CLERK
 - BRIAN PAULHUS MEMBER
 - JOHN GIFFORD MEMBER
 - SHAYNE PICARD MEMBER
- > OWNERS PROJECT MANAGER (OPM) CARDINAL CONSTRUCTION, INC.
 - BRENT ARTHAUD AND SHANE SAMPSON
- PROJECT DESIGN CONSULTANT KAESTLE BOOS ASSOCIATES (KBA)
 - MICHAEL MCKEON AND RENE CROTEAU



■ BACKGROUND (NORTHBRIDGE FIRE DEPARTMENT)

> CURRENT OPERATIONS

- FULL-TIME FIRE CHIEF & PART-TIME ADMINISTRATIVE ASSISTANT
- 17 FULL-TIME FIREFIGHTERS & 17 ON-CALL FIREFIGHTERS
- FIRE AND EMERGENCY SERVICES (24/7 ADVANCED LIFE SUPPORT ALS)
- COVER 19 SQUARE MILES POPULATION 16,544 (2015) 3,370 CALLS IN FY2019

EQUIPMENT

■ THE DEPARTMENT'S CURRENT FLEET OF VEHICLES INCLUDES: ✓ 2 AMBULANCES

✓ 3 ENGINE COMPANIES ✓ 1 HEAVY RESCUE ✓ 3 UTILITY VEHICLES

✓ 1 AERIAL LADDER ✓ 3 FORESTRY TRUCKS ✓ 4 TRAILERS

> STATIONS

- THE DEPARTMENT WORKS OUT OF TWO (2) STATIONS:
 - ✓ HEADQUARTERS (193 MAIN ST) CONSTRUCTED 1923 (DONATED BY SHOP 1970'S)
 - ✓ UNMANNED SUBSTATION (ROCKDALE) CONSTRUCTED 1950'S (DONATED BY MILL)



□ BACKGROUND (EXISTING CONDITIONS – 193 MAIN STREET)

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















□ BACKGROUND (EXISTING CONDITIONS – 193 MAIN STREET)

> BUILDING INTERIOR DEFICIENCIES

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

















□ BACKGROUND (EXISTING CONDITIONS – 193 MAIN STREET)

> LIFE SAFETY CONCERNS / CODE REQUIREMENTS

- 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 3RD FLOOR
- NO ACCESSIBLE TOILET ROOMS
- DOORS, WALL MOUNTED ITEMS, AND INTERIOR SIGNAGE DO NOT MEET CURRENT CODE









■ BACKGROUND (EXISTING CONDITIONS – ROCKDALE STATION)

- > BUILDING COMPLETED CIRCA 1950'S
- > BUILDING EXTERIOR DEFICIENCIES
 - 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 DEFICIENCIES

- BASEMENT FLOODS REGULARLY
- > LIFE SAFETY CONCERNS / CODE REQUIREMENTS
 - CURRENT STAIRS DO NOT MEET LIFE SAFETY CODE
 - BUILDING IS NOT ACCESSIBLE







■ BACKGROUND (FEASIBILITY STUDY HISTORY)

- > 2001 FEASIBILITY STUDY WAS NEEDED DUE TO CONDITIONS OF THE 2 FIRE STATIONS
- > 2006 BPCC FUNDING \$100,000 FOR TESTING, STUDIES, ANALYSIS FOR FIRE STATION
- > 2017 SELECTMEN ESTABLISH TOWN MANAGER GOAL FOR NEW FIRE STATION
- 2017 BPCC HIRED OWNER'S PROJECT MANAGER (OPM) CARDINAL CONSTRUCTION
- 2018 BPCC WORKING GROUP: PRELIMINARY SITE SEARCH & RFQ DEVELOPMENT
- 2019 (SPRING) RFQ ADVERTISED THEN BPCC INTERVIEWED/RANKED RESPONDENTS
- 2019 (SUMMER) BPCC HIRED PROJECT DESIGN CONSULTANT KBA ARCHITECTS
- 2019 (FALL) KBA & SUBCONSULTANTS BEGIN PERFORMING THE STUDY:
 - FIRE STATION PROGRAMMING (MITCHELL ASSOCIATES ARCHITECTS)
 - SITE SELECTION EVALUATION (11 SITES FOR BPCC REVIEW)
 - RESPONSE TIME ANALYSIS (MANITOU INCORPORATED)
 - SITE RECOMMENDATION (FINAL 6 SITE EVALUATIONS AND PREFERRED LOCATION)





KAESTLE BOOS | MA MITCHELL | Cardinal

PROGRESS #1







☐ FEASIBILITY STUDY PROGRESS #1 (PROGRAMMING)

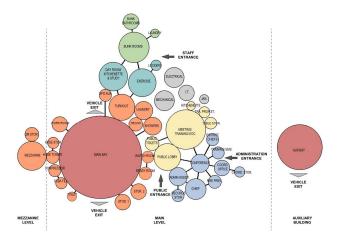
1. STAFF INTERVIEWS

MITCHELL ASSOCIATES ARCHITECTS **EMERGENCY SERVICES FACILITIES** **Program Mocument **Program Mocument

2. SPACE USE SUMMARY

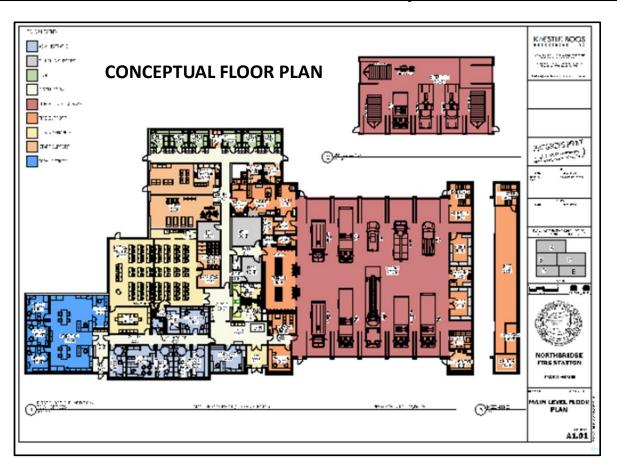
Program Item	Roam Name	1st Floor Area	Mezz	2nd Floor Area	Upper	Remote Structure	Total Area	Program Item	Room Name	1st Floor Area	Mezz	2nd Floor Area	Upper	Remote Structure	Total Area
	Apparatus Bay								Firefighters	10.00					
-1	Apparatus Bay	7,164					7,164	41	Day Room	635					63
2	Secondary Apparatus Bay	2,340					2,340	42	Stady Room	163		- 0			16
3	Remote Amazutus Bay	-				2.112	2,112	43	Firefighter's ADA Rest Rooms	78		- 0			- 3
_	Subtotal - Apporatus	9,584				2,112	11,616	44	Exercise	800		- 0			80
	Firematic Support	- 1,000						45	Single Occupant Changing Room	112		- 0			- 11
4	Mezzanine		859				359	- "	Subtotal - Firefighters	1.755					1.78
									Bunking	- 11.11					
5	Storage Room #1	216					216	46	Burkers/Bedrooms w/cot (868118)	944		- 0			94
6	Storage Room #2	216					216	47	Bunker's Buthrooms (2) (8: 73 & (1) (8: 94	240		- 0			24
7	Quartermaster Storage Room	-	153				153	48	Bunker's Area Laundry Room	52		- 0			5
8	Hose Storage	166	100				166	_	Subtotal - Bunkine	1,266		- 0			1,26
9	Turnout Gear Storage Room	661					661		Public Spaces	7,444					7,00
10	DeconTaundry	392					292	47	Public Entry Area	750					75
11	Het Side Shower(s)	276					276	50	Cont Recess	30		- 0			3
12	EMS Storage Room	297					297	51	Meeting/Training/EOC	1591		- 0			1,59
13	Apparatus Floor Rost Room	76					76	52	Table & Chair Storage	156					15
14	SCBA Compressor		156				156	53	Training Props Storage	130		- 0			13
15	SCBA Fill Station	120					120	54	A/V Equipment	24		- 0			2
16	Work Room	307					307	55	Kitchenette	86		- 0			8
17	Utility Recess	32					17	56	Public Rest Rooms M & F	256		- 0			25
18	NFD Auxiliary Storage	156					156	- 10	Subtotal - Public Spaces	3,923		- 0			3,92
19	Yard Storage					249	249		Miscellaneous Space						
20	Hazardous Waste Storage	12				247	12	57	(2) Entry Vestibules	160					164
21	Janiter's Closet	64					64	58	Delivery Room	100		- 3			100
22	Ready Room	176					176	59	Heusekeering Storage (1) © 50 & (1) © 10	60		1 7			- 6
23	Radio/Watch Room	136					136	60	Janters Cleset (1 each floor)	156		78			234
24	Tower	144	135	135	135		549	61	File Server & Communications	123		- 0			123
	Subtotal - Firematic Support	3,557	444	135	135	249	4,524	62	Mechanical Electrical	350		- 0			35
	Administration							63	Sprinkler	70		- 0			71
25	Staff Lobby	64)		- 0			60	64	(2) Stairwells (area per floor)	356		364			72
26	Conference Room	110		- 0			330	65	Elevator (area per floor)	58		58			110
27	Chief's Office	426		- 0			426	66	Elevator Equipment Room	52		- 0			- 5
28	Administrative Assistant's Office	270		- 0			270	67	Elevator Foyer	50		- 0			
29	Training Officer/EMS Office	140		- 0			140		Subtotal - Miscellaneous Spaces	1,565		500			2,06
30	Deputy Chief's Office	158		- 0			158		Area Subtotals						
31	Coordinator's Office	247		- 0			247		Bay	9,584				2,112	11,61
32	Fire Prevention Office	175		- 0			175		Firematic Support	3,557	444		135	249	4,52
33	Building Inspector	345		- 0			345		Mecoanine		859				85
34	Board of Health	455		- 0			455		Office & Living	9,771		500			10,27
35	Fire Prevention Records Storage	396		- 0			396		Walls & Circulation						
36	Office Area Support Recess	57		- 0			57		Apparatus Bay Walls 68 8%	760				169	92
37	Office Area ADA Compliant Rest Room	78		- 0			78		Firematic Support Walls © 15%	534	67	20	21	37	67
38	Fire Education Storage	100		- 0			100		Firematic Support Circulation (i): 15%	534					53
39	Fire Department Records Storage	150		- 0			150		Office Area Walls @ 16%	1,563		80			1,64
40	High Value Storage Closet	8		- 0			5		Office Area Circulation (d 15%)	1,466		75			1.54
	Subtetal - Administration	3,395		- 0			3,395		Subtotal - Walls & Circulation	4,856	67		21	206	5,32
									Total >>	27,688	1,370	810	155		32,59
									Footprint>>	27,688			199	200	27,68

3. PLANNING DIAGRAMS





☐ FEASIBILITY STUDY PROGRESS #1 (PROGRAMMING)





☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)

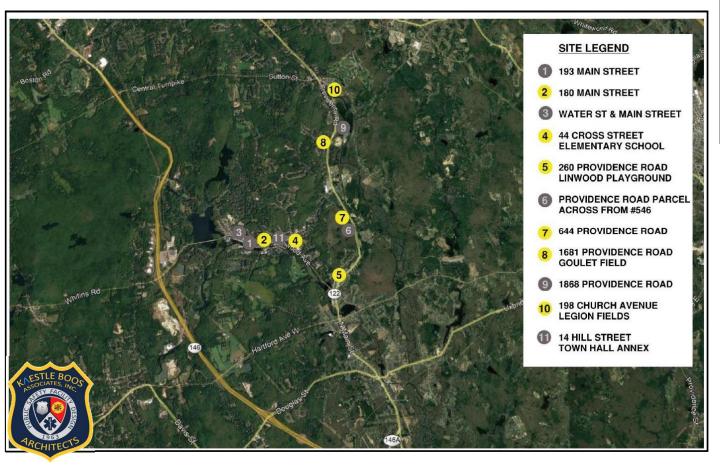
- > INITIAL WORKING GROUP REVIEW STARTED WITH:
 - ALL TOWN-OWNED LAND
 - PRIVATE PROPERTIES WITH LARGE ACREAGE
 - COMMERCIAL PROPERTIES FOR SALE
 - REDUCED TO 21 SITES
- > WORKING GROUP REDUCED TO 11 SITES TO BE INCLUDED IN FEASIBILITY STUDY:
 - 193 MAIN STREET (HEADQUARTERS)
 - 180 MAIN STREET (SHOP PARKING)
 - NEAR 253 MAIN ST (WEST END)
 - 44 CROSS STREET (NES)
 - 260 PROVIDENCE RD (LINWOOD PG)
 - 546 PROVIDENCE RD (PUCCIO)

- 644 PROVIDENCE RD (TOWN)
- 1681 PROVIDENCE RD (GOULET)
- 1868 PROVIDENCE RD (HOME SITES)
- 198 CHURCH AVENUE (LEGION)
- 14 HILL STREET (ANNEX ALDRICH)



KAESTLE BOOS | MA ASSOCIATES | Cardinal

☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)

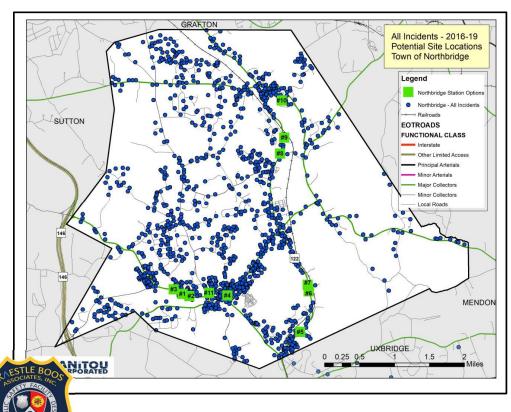


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5 OF 11 INITIAL SITES ELIMINATED

- ✓ SITE #1 193 MAIN STREET
 - " PARCEL TOO SMALL
- ✓ SITE #3 WEST OF 253 MAIN ST
 - **" PARCEL TOO SMALL**
- ✓ SITE #6 546 PROVIDENCE RD
 - PRIVATELY OWNED
- ✓ SITE #9 1868 PROVIDENCE RD
 - PRIVATELY SOLD, PARCEL TOO SMALL
- ✓ SITE #11 14 HILL STREET
 - **TOO SMALL**
- " NATIONAL HISTORIC REGISTER

☐ FEASIBILITY STUDY PROGRESS #1 (RESPONSE STUDY)



ALL INCIDENTS 2016-2019

Address	Description	Total
85 BEAUMONT DR	Beaumont Nursing Home	871
	•	
100 COMMERCE DR	Milford Regional Medical	527
447 HILL ST	St. Camillus Nursing Home	496
670 LINWOOD AVE	Linwood Mills Apts.	495
17 DOUGLAS RD	Cotton Mill Apts.	439
1 MAIN ST	The Shop at Whitinsville	343
60 MAIN ST	Whitin Community Center	341
COLONIAL DRIVE	Colonial Drive Apts	249
CHESTNUT ST	Whitin Retirement	201
63 SCHOOL ST	Rockdale House Apts.	194
LAKE STREET	Lake Terrace Apartments	156
PLANTATION ST	Rockdale Commons	104
100 VALLEY PKWY	Walmart	81
130 RIVERDALE ST	Riverdale Mill	59
427 LINWOOD AVE	Northbridge High School	59
181 LINWOOD AVE	Northbridge Middle School	56
21 CRESCENT ST	Balmer School	33
279 LINWOOD AVE	Whitinsville Christian School	24

HIGHEST CALL VOLUME LOCATIONS 2016-2019



☐ FEASIBILITY STUDY PROGRESS #1 (RESPONSE STUDY)

94.5%

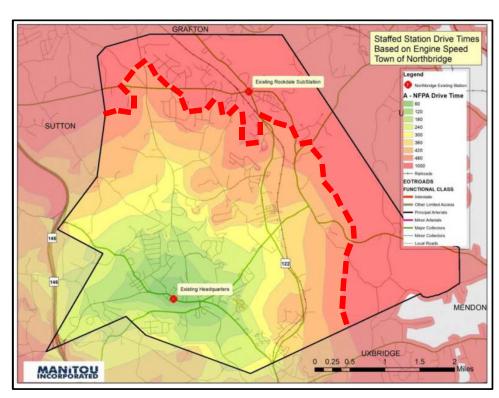
> RESPONSE TIME ANALYSIS

- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- NFPA STANDARD 1720 (2014)
- SUBURBAN AREA (DENSITY 500-1000/SQ MI)
- MINIMUM STAFF LEVEL CAN GET TO 80% OF THE TOWN IN 10 MINUTES OR LESS
- CURRENT STATION 78.3% IN 8 MINUTES OR LESS

1. 1681 PROVIDENCE RD (GOULET) -

PERFORMED RESPONSE ANALYSIS ON 5 FINAL SITES

2.	44 CROSS STREET (NES) –	88.8%
3.	260 PROVIDENCE RD –	82.2%
4.	180 MAIN STREET (PARKING LOT) –	78.9%
5.	644 PROVIDENCE RD (TOWN) –	57.2%
6.	198 CHURCH AVE (LEGION) –	ELIMINATED

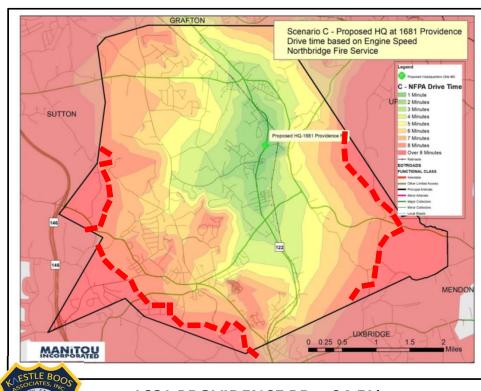


CURRENT HEADQUARTERS – 78.3% IN 8 MINUTES OR LESS

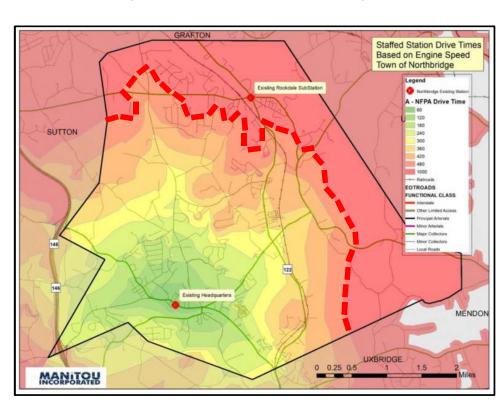




☐ FEASIBILITY STUDY PROGRESS #1 (RESPONSE STUDY)



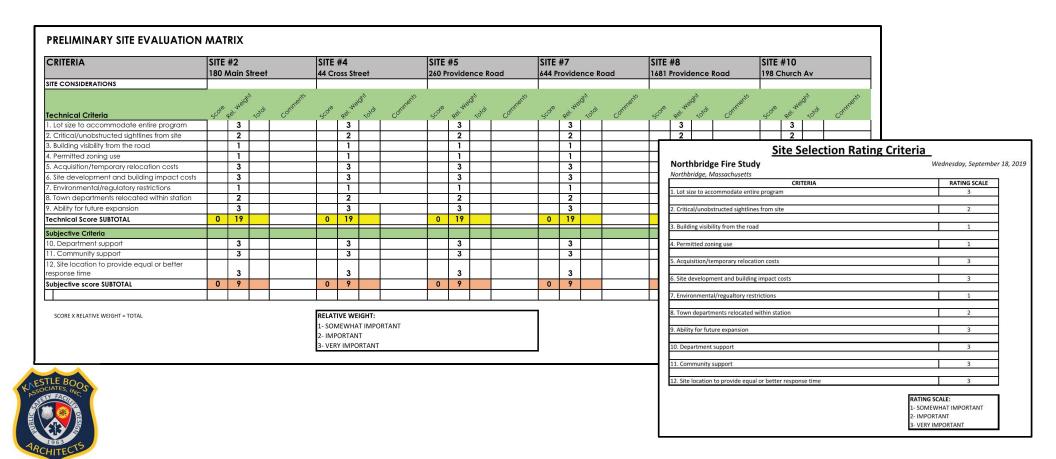
1681 PROVIDENCE RD - 94.5%



CURRENT HEADQUARTERS – 78.3%



☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)





☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)





☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)

260 PROVIDENCE RD

RANKED LOWER DUE TO SITE
DEVELOPMENT RESTRICTIONS AND
RESPONSE TIME







☐ FEASIBILITY STUDY PROGRESS #1 (SITE SELECTION)

> PREFERRED SITE

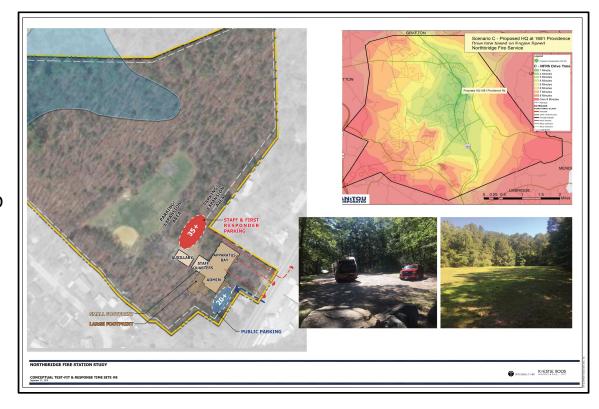
1681 PROVIDENCE ROAD (Goulet)

> PROS

- RESPONSE TIME: 94.5%
- PARCEL SIZE ACCOMMODATES FULL BUILDING PROGRAM
 - FLOOR PLAN, STORAGE, ON-SITE TRAINING, PARKING, CIRCULATION, EXPANSION, ACCESS TO MAIN ROAD
- SITE DEVELOPMENT COSTS
 - TOWN-OWNED
 - NO DEMOLITION REQUIRED

> CONS

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







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PROGRESS #2





□ BPCC FEASIBILITY STUDY EFFORTS

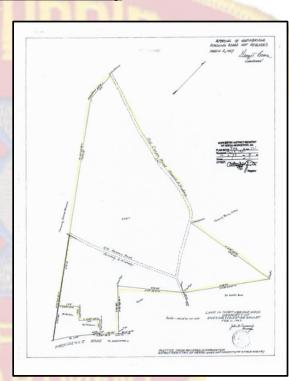
- **BPCC PUBLIC MEETINGS** STARTED IN AUGUST 2017 HIRED OPM FOR RFQ PROCESS
- > PUBLIC FORUMS NOVEMBER AND MARCH PLUS APRIL TBD
- > SELECTMEN BI-WEEKLY BOS MEETING UPDATES PLUS COST PRESENTATION PUBLIC
- FIRE DEPARTMENT OPEN HOUSE FEBRUARY AND MARCH/APRIL TBD
- FIRE FIGHTER STAFF PRESENTATIONS NOVEMBER AND FEBRUARY + CHIEF STAFF
- FINANCE COM. MARCH 4TH AND THROUGH APRIL DISCUSSING UPDATES PUBLIC
- SENIOR CENTER VISIT MARCH/APRIL TBD
- ➤ WEBSITE LIVE JANUARY 29, 2020 <u>WWW.NORTHBRIDGEFIRESTATIONPROJECT.ORG</u>
 - □ ABOUT THE PROJECT
 □ INFO ON DESIGN TEAM
 □ EXISTING CONDITIONS
 □ FREQUENTLY ASKED QUESTIONS
 □ PLANS (FLOOR, FAÇADE, SITE LAYOUT)
 □ RESOURCES (RESPONSE, PROGRAMMING)
 - CONTACT EMAIL OR POST QUESTIONS



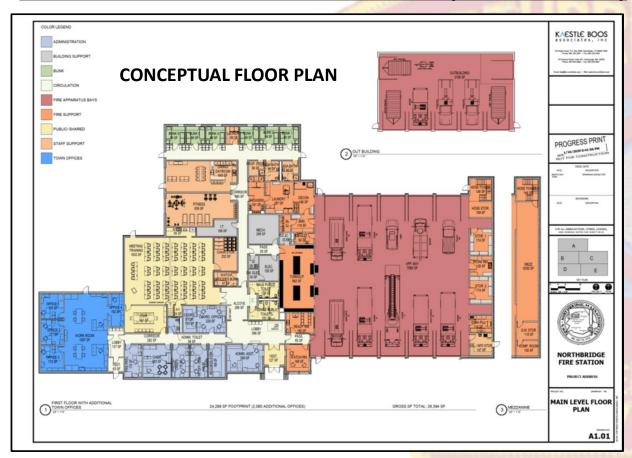
☐ FEASIBILITY STUDY PROGRESS #2 (GOULET INFO)

➢ GOULET PLAYGROUND / RIVERDALE FIELD BACKGROUND

- **ANNUAL TOWN MEETING** MARCH 8, 1966
 - Authorized the Purchase of 23 acres for \$12,000
- **PURCHASED BY THE TOWN** MARCH 3, 1967
 - Intent was for new second elementary school
 - Town purchased Cross Street (parochial school) instead
- **ANNUAL TOWN MEETING** MAY 11, 1976
 - Accepted ROW Access off Suzanne Drive (Meadowood Project)
- **HIGH SCHOOL FEASIBILITY STUDY** 1997
 - Deemed too small for new high school preferred site was Linwood Ave
 - Preliminary Geotechnical Evaluation/Soil study no fatal flaws
- BALMER SCHOOL FEASIBILITY STUDY 2017
 - Ranked 4th of 7 sites Issues were size, lack of 2-way access, bus circulation
 - Preferred Site was existing Balmer location under construction



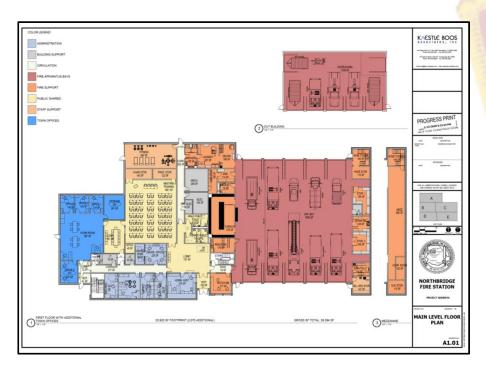
☐ FEASIBILITY STUDY PROGRESS #2 (FLOOR PLAN)



ONE STORY OPTION

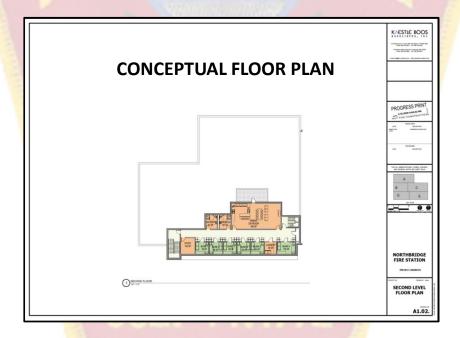


☐ FEASIBILITY STUDY PROGRESS #2 (FLOOR PLAN)



TWO STORY OPTION

- **HIGHER COSTS STUCTURAL**
- **LESS EFFICIENT/SAFETY STAIRWAYS**



☐ FEASIBILITY STUDY PROGRESS #2 (SITE LAYOUT)

✓ EFFICIENT USE OF PROPERTY

- TOWARDS FRONT
- AVOID SLOPES & WETLANDS
- FLAT, AVOID LEDGE, NO DEMO

✓ EXCELLENT ACCESS/CIRCULATION

FRONT AND REAR BAY ACCESS

✓ SUFFICIENT PARKING

- FT EMPLOYEES, ON-CALL STAFF, GUESTS + OVERFLOW
- ✓ ROOM FOR ON-SITE TRAINING AND FUTURE EXPANSION
- ✓ NEIGHBORHOOD BUFFER





☐ FEASIBILITY STUDY PROGRESS #2 (FAÇADE RENDERINGS)

✓ ARCHITECTURAL BALANCE

- ROOF LINES
- LIGHT
- FACADE

✓ REGIONAL CHARACTER

- UTILIZATION OF BRICK
- PITCHED ROOF

✓ COST RECOGNITION

- METAL PANELS IN FRONT GABLE
- CONCRETE BLOCK
- CAST STONE BASE



PRELIMINARY ONE-STORY OPTION RENDERING



☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

- Why is the project not a Public Safety Complex (include a Police Station)?
- Info on our Current Police Station:
 - Built in 1960 as a Light Manufacturing Building
 - Purchased by the Town March 3, 1987 (land and building) for \$375,000
 - Renovated by the Town in 1989 at cost of \$1,451,000
 - Remains in Very Good condition mainly office space / durable materials
- > Not in the best interest of Northbridge Taxpayer:
 - Auburn \$39.7 Million (Headquarters/Substation/Police Station)
 - Charlton \$28.5 Million (Headquarters/Substation/Police Station)

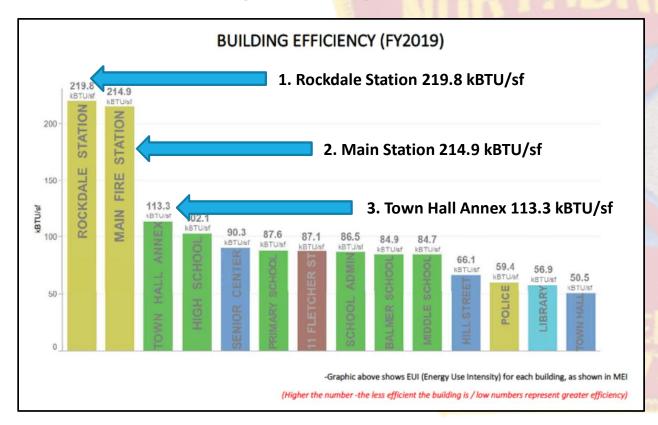
☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

- Why is there a Town Offices wing added as part of the floor plan?
- Current Planning / Code Offices
 - Town Hall Annex (14 Hill Street)
 - Built 1890 Former Elementary School
 - Current Building 15,850 sq ft living (21,262 gross)
 - o 3 stories (1st office, 2nd storage, 3rd empty)
 - 5 FT, 1PT Staff = 2,882 sq ft per staff
 - Building Upgrades \$3.96 Million (20 year life)
 - Current Utility Costs \$11,500 FY2018

- Proposed Planning / Code Offices
 - New Fire Station (1681 Providence Rd)
 - Built 2021 Municipal Office Space
 - Proposed Building Space 1,873 sq ft living area
 - 1 story (4 offices, work room w/ 2 stations)
 - 5 FT, 1PT Staff = 340 sq ft per staff
 - Construction Cost \$828,000 (50 year life)
 - Expected Utility Costs \$2/sq ft = \$4,230/year

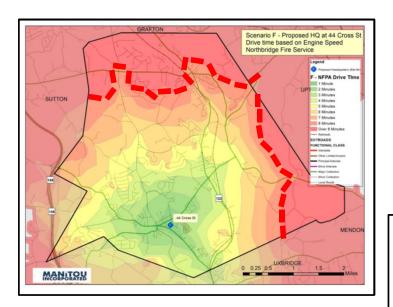
☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

Why is there a Town Offices wing added as part of the floor plan?



☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

Isn't NES (44 Cross Street) the best solution as it will be empty in the Fall of 2021?



Not Centrally-Located & Goulet Site Provides for Better Response Time

2-Story Not as Efficient/Safe





Does Not Fit the Required Program (Parking, Training, Circulation - 49' Ladder, Access or Have Room for Expansion)



☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

- What is the plan for the vacant town buildings if not used for project?
- Town Properties slated for replacement
 - Northbridge Elementary School (44 Cross Street) being replaced by new Balmer Project
 - Northbridge Fire Station Headquarters (193 Main Street) proposed to be replaced with new station
 - O Northbridge Fire Sub Station (Rockdale) proposed to be replaced with new station
 - Town Hall Annex (14 Hill Street) proposed new wing in new fire station
- The BPCC would undertake an <u>Adaptive Reuse Study</u> for all 4 properties producing a report that would detail the building conditions, explore compatible uses, and perform market analysis.
- Then the BPCC, in accordance with MGL c. 30B, would advertise a Request for Proposals (RFP) for Development/Redevelopment Proposals and purchase Price.
- The BPCC would make recommendation to the Board of Selectmen for the project that would be in the best interest of the community, rejecting all bids if necessary.



☐ FEASIBILITY STUDY PROGRESS #2 (QUESTIONS)

- Why was Uxbridge's station built for only \$10M & ours will be significantly more?
- Uxbridge Fire Station Project
 - Replaced Headquarters Only
 - 3-man crews, 12FT, +2,500 calls
 - Replaced 6,600 sq ft Station New Building 14,365 sq ft (118% larger)
 - Storage at other off-site substation
 - Original Programming was up to 19,000 sq ft, reduced program to fit downtown site
 - No room for on-site training, lacks sufficient parking, poor circulation access, no room for expansion

- Northbridge Fire Station Project
 - Replacing 3 Buildings (HQ, Sub, Annex)
 - 4-man crews, 17 FT), +3,400 calls
 - Replacing 33,556 sq ft existing HQ Station, 3,520
 sq ft substation and 21,262 (total 58,338 sq ft)
 - New Building Space 29,047 sq ft (50% smaller)
 - New Building also includes out building/ storage and Planning / Code Wing
 - Room for On-site Training, Sufficient Parking,
 Better Access/Circulation, Room for Expansion
 - 2020 Total Project Cost is \$653/sq ft vs \$679/sq ft



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☐ FEASIBILITY STUDY PROGRESS #2

COST ESTIMATE

DIRECT COST SUBTOTAL	\$12,429,000
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➢ GC MARK-UPS + ESCALATION \$2,566,000

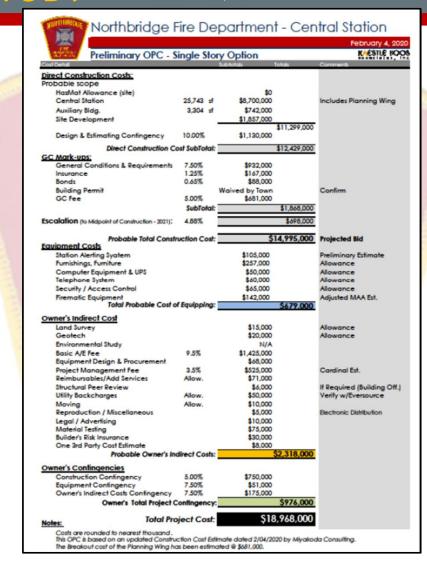
PROBABLE TOTAL CONSTRUCTION \$14,995,000

➤ EQUIPMENT COSTS \$679,000

INDIRECT COSTS (DESIGN/OTHER) \$2,318,000

> OWNER CONTINGENCIES \$976,000

> TOTAL PROJECT COST \$18,968,000





Public Safety Facility Projects: Comparative Construction Costs \$/SF (escalated to 2020)

1636	diated to 2020	,		
FACILITY & TYPE	Bldg. Area	Bid Year	Bid - Est Cost/SF	2020 Cost/SF
MEDFIELD FIRE & POLICE	41,022	2015	\$ 371	\$ 464
NORTHBRIDGE FIRE STATION	29,047	2020	\$ 516	\$ 516
MANSFIELD FIRE & POLICE	39,621	2016	\$ 465	\$ 557
PLAINVILLE FIRE & POLICE	41,655	2017	\$ 495	\$ 567 *
WESTON POLICE	19,800	2015	\$ 455	\$ 569
MILLIS POLICE	7,890	2015	\$ 460	\$ 576
SHARON FIRE & POLICE	42,460	2015	\$ 463	\$ 579
SOUTHBRIDGE FIRE STATION	34,135	2019	\$ 557	\$ 584
NORTHBOROUGH FIRE STN.	26,420	2020	\$ 584	\$ 584
WESTWOOD POLICE	20,748	2016	\$ 490	\$ 586
NEEDHAM FIRE & POLICE	60,690	2019	\$ 570	\$ 598
NEEDHAM FIRE STATION 2	22,204	2019	\$ 582	\$ 610
RANDOLPH FIRE SUBSTATION	8,500	2015	\$ 491	\$ 615
ORLEANS POLICE	17,830	2016	\$ 515	\$ 617 *
N. ACTON FIRE STATION	12,179	2020	\$ 624	\$ 624 *
SCITUATE FIRE & POLICE	28,818	2016	\$ 527	\$ 630
WESTWOOD FIRE STATION	20,457	2015	\$ 572	\$ 715
BURLINGTON FIRE STATION	10,021	2020	\$ 721	\$ 721
NANTUCKET FIRE STATION	22,340	2017	\$ 713	\$ 817
	Av	g. SF Cost in	n 2020 \$'s:	\$ 678

^{*} A CM@Risk rather than GC Project

☐ FEASIBILITY STUDY PROGRESS #2

COST ESTIMATE

Two Fire Station Projects: Comparative Total Project Cost \$/SF

(Uxb. escalated to 2020)

	Bldg. Area	Bid Year	Tot. Proj. Cost/SF	2020 Cost/\$F
NORTHBOROUGH FIRE STN.	26,420	2020	\$ 712	\$ 712
BURLINGTON FIRE STATION	10,021	2020	\$ 886	\$ 886
NORTHBRIDGE FIRE STATION	29,047	2020	\$ 653	\$ 653
UXBRIDGE FIRE STATION	14,365	2016	\$ 568	\$ 679

Cost per Uxbridge Town Records Cost below per 2018 Newspaper Article

\$ 734 \$ 770

Version 1.2 Feb 4, 2020



☐ FEASIBILITY STUDY PROGRESS #2 (COST ESTIMATES)

GOULET COST ESTIMATE

■ DIRECT COST SUBTOTAL \$12,429,000

■ GC MARK-UPS + ESCALATION \$2,566,000

PROBABLE TOTAL CONSTRUCTION \$14,995,000

EQUIPMENT COSTS \$679,000

■ INDIRECT COSTS (DESIGN/OTHER) \$2,318,000

OWNER CONTINGENCIES \$976,000

TOTAL PROJECT COST \$18,968,000

NES COST ESTIMATE

DIRECT COST SUBTOTAL \$13,965,400

GC MARK-UPS + ESCALATION \$3,768,600

PROBABLE TOTAL CONSTRUCTION \$17,734,000

■ EQUIPMENT COSTS \$680,000

INDIRECT COSTS (DESIGN/OTHER) \$2,694,000

OWNER CONTINGENCIES \$1,141,000

TOTAL PROJECT COST \$22,249,000

☐ FEASIBILITY STUDY PROGRESS #2 (TAX IMPACTS)

TERM	RATE	TOTAL PRINCIPAL	TOTAL INTEREST	,	TOTAL DEBT SERVICE	TAX	IUAL AVERAGE PAYER IMPACT I HOME VALUE \$329,000
30 YEARS	4.50%	\$ 19,000,000.00	\$ 13,252,500.00	\$	32,252,500.00	\$	198.80
25 YEARS	4.50%	\$ 19,000,000.00	\$ 11,115,000.00	\$	30,115,000.00	\$	222.75
20 YEARS	4.50%	\$ 19,000,000.00	\$ 8,977,500.00	\$	27,977,500.00	\$	258.67

TERM	RATE		OTAL INCIPAL	TOTAL INTEREST	1	TOTAL DEBT SERVICE	TAXP/ AVG I	AYER IMPACT HOME VALUE 329,000
30 YEARS	3.00%	\$ 19	0,000,000.00	\$ 8,835,000.00	\$	27,835,000.00	\$	171.57
25 YEARS	3.00%	\$ 19	9,000,000.00	\$ 7,410,000.00	\$	26,410,000.00	\$	195.34
20 YEARS	3.00%	\$ 19	0,000,000.00	\$ 5,985,000.00	\$	24,985,000.00	\$	231.01

☐ FEASIBILITY STUDY PROGRESS #2 (TAX IMPACTS)

			FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029
PROJECT	PAYOFF YEAR	2020 PAYMENT	TAX RATE IMPACT	TAX RAT								
POLICE ROOF	2022	\$14,330	\$0.01	\$0.01	\$0.01							
M. SCHOOL ROOF	2022	\$148,877	\$0.08	\$0.08	\$0.08							
BVRHS EXPANSION	2025	\$72,404	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05				
DPW BUILDING	2028	\$294,750	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	\$0.17	
BALMER SCHOOL #1	2049	\$1,739,167	\$0.98	\$0.97	\$0.96	\$0.94	\$0.93	\$0.91	\$0.90	\$0.89	\$0.87	\$0.86
BALMER SCHOOL #2*	2051	\$1,520,000		\$0.85	\$0.84	\$0.83	\$0.81	\$0.80	\$0.79	\$0.77	\$0.76	\$0.75
TURF FIELD PROJECT	2023	\$1,001,313		\$0.59	\$0.57	\$0.56						
NEW FIRE STATION*	2048	\$1,330,000				\$0.75	\$0.73	\$0.72	\$0.71	\$0.70	\$0.68	\$0.67
_		from Debt:	\$1.29	\$2.72	\$2.68	\$3.30	\$2.69	\$2.65	\$2.57	\$2.53	\$2.48	\$2.28
	Other 20	20 Tax Rate:	\$12.55 \$13.84	\$12.55 \$15.27	\$12.55 \$15.23	\$12.55 \$15.85	\$12.55 \$15.24	\$12.55 \$15.20	\$12.55 \$15.12	\$12.55 \$15.08	\$12.55	\$12.55

Assumes Current Values & Tax Rate
Assumes Balmer #2 30 years @ 3.00%
Assumes Fire Station 25 years @ 3.00%

☐ FEASIBILITY STUDY PROGRESS #2 (TAX IMPACTS)

	FY2020 TAX RATES	AVERAGE SINGLE FAMILY FY2020 TAX	AVERAGE SINGLE FAMILY FY2020 VALUE
1. BLACKSTONE	\$18.86	\$5,600	\$297,300
2. HOPEDALE	\$17.41	\$6,500	\$371,200
3. UPTON	\$17.22	\$7,500	\$438,000
4. DOUGLAS	\$16.98	\$5,500	\$325,200
5. MENDON	\$16.75	\$7,100	\$423,700
6. UXBRIDGE	\$16.74	\$5,500	\$328,700
7. GRAFTON	\$16.50	\$6,900	\$419,400
8. MILLVILLE	\$16.07	\$4,800	\$297,600
9. SUTTON	\$15.86	\$6,200	\$390,700
NORTHBRIDGE (23')	\$15.85	\$5,268	TBD
10.MILLBURY	\$15.33	\$4,700	\$303,400
11.NORTHBRIDGE (20')	\$13.84	\$4,600	\$329,100

■ NEXT STEPS

> FUTURE MEETINGS

- FINANCE COMMITTEE MEETING
- MARCH PUBLIC FORUM
- BPCC MEETING (FINAL REPORT)
- MARCH SELECTMEN BALLOT VOTE
- APRIL PUBLIC FORUM

> VOTER APPROVAL PROCESS

- MAY 5, 2020 SPRING ANNUAL TOWN MEETING AUTHORIZATION TO BORROW
- MAY 19, 2020 ANNUAL ELECTION AUTHORIZATION TO EXCLUDE DEBT

2.26.2020 (Town Hall Conference)

3.2.2020 (High School Auditorium)

3.4.2020 (Town Hall Conference)

3.9.2020 (Selectmen's Meeting Room)

TBD



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QUESTIONS



