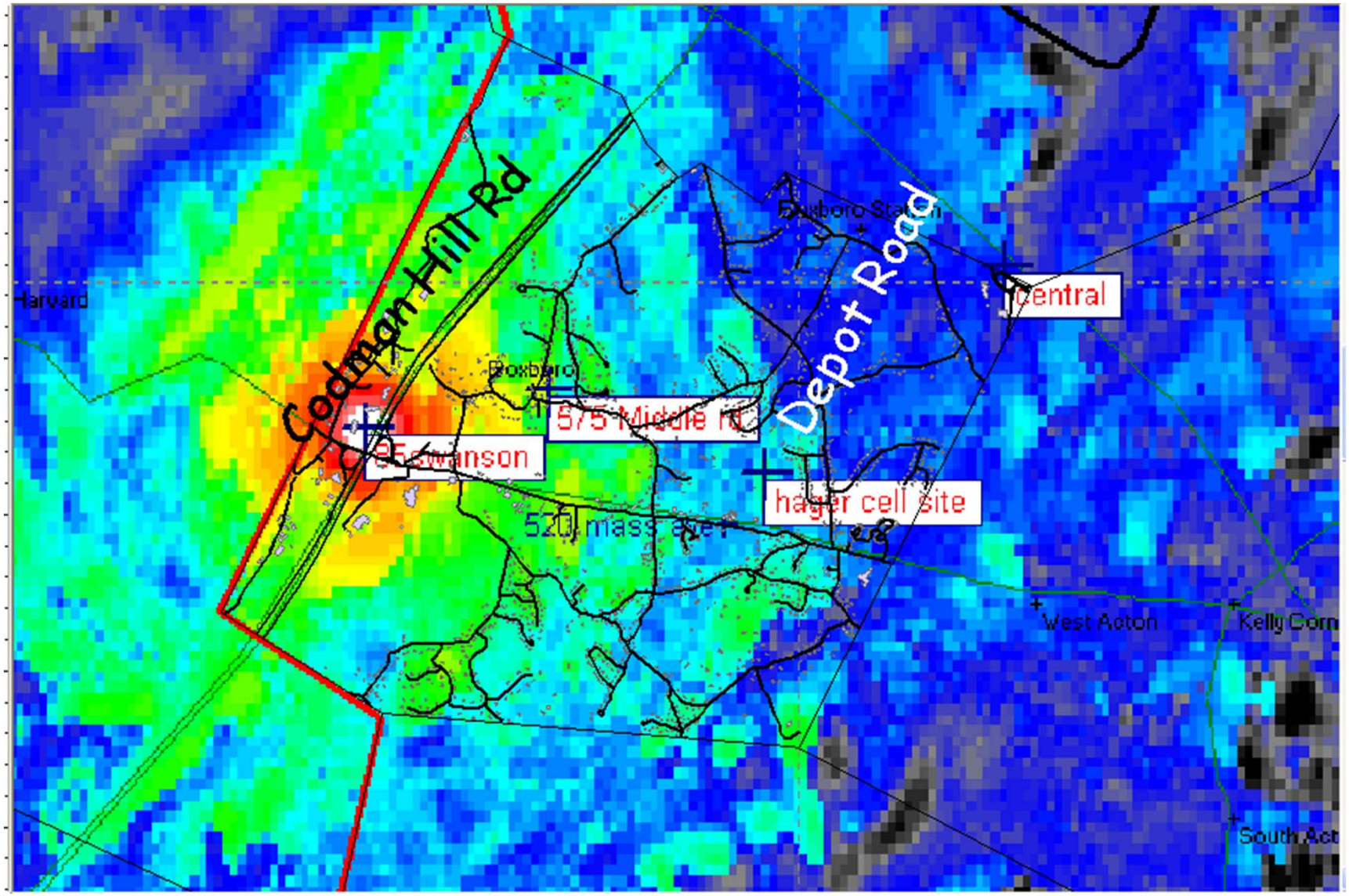
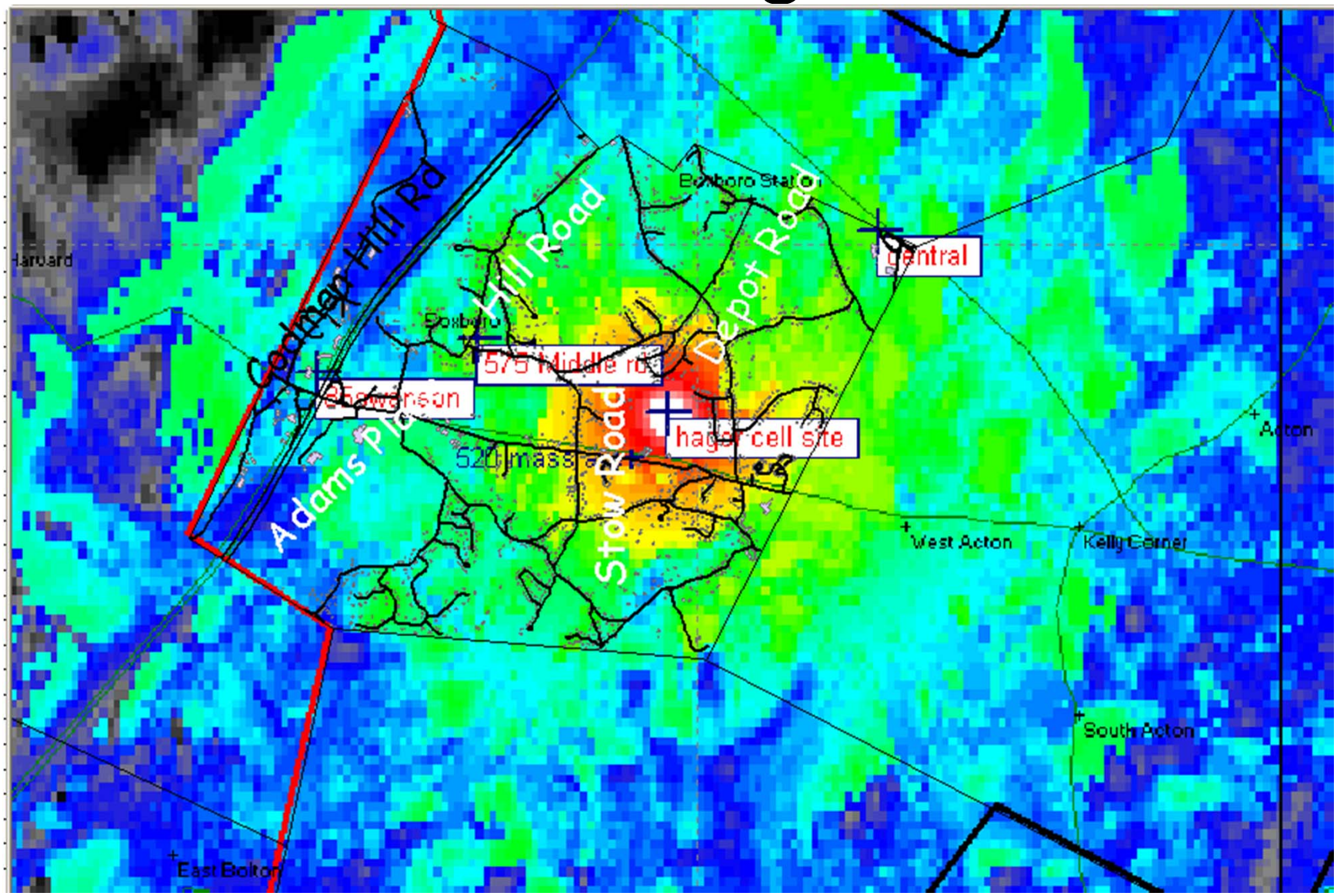
PROPAGATION STUDIES

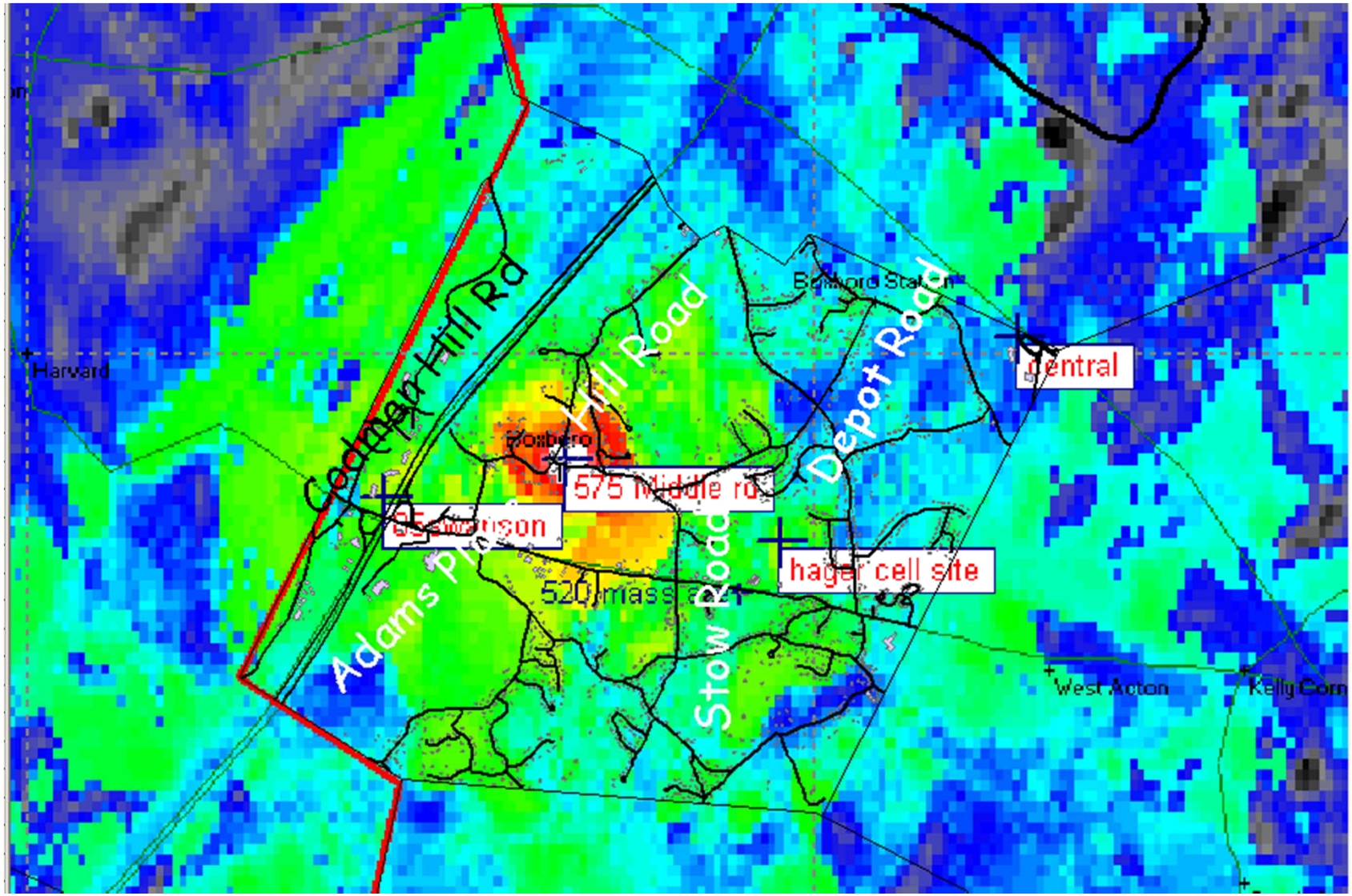
Transmit from 85 Swanson Road

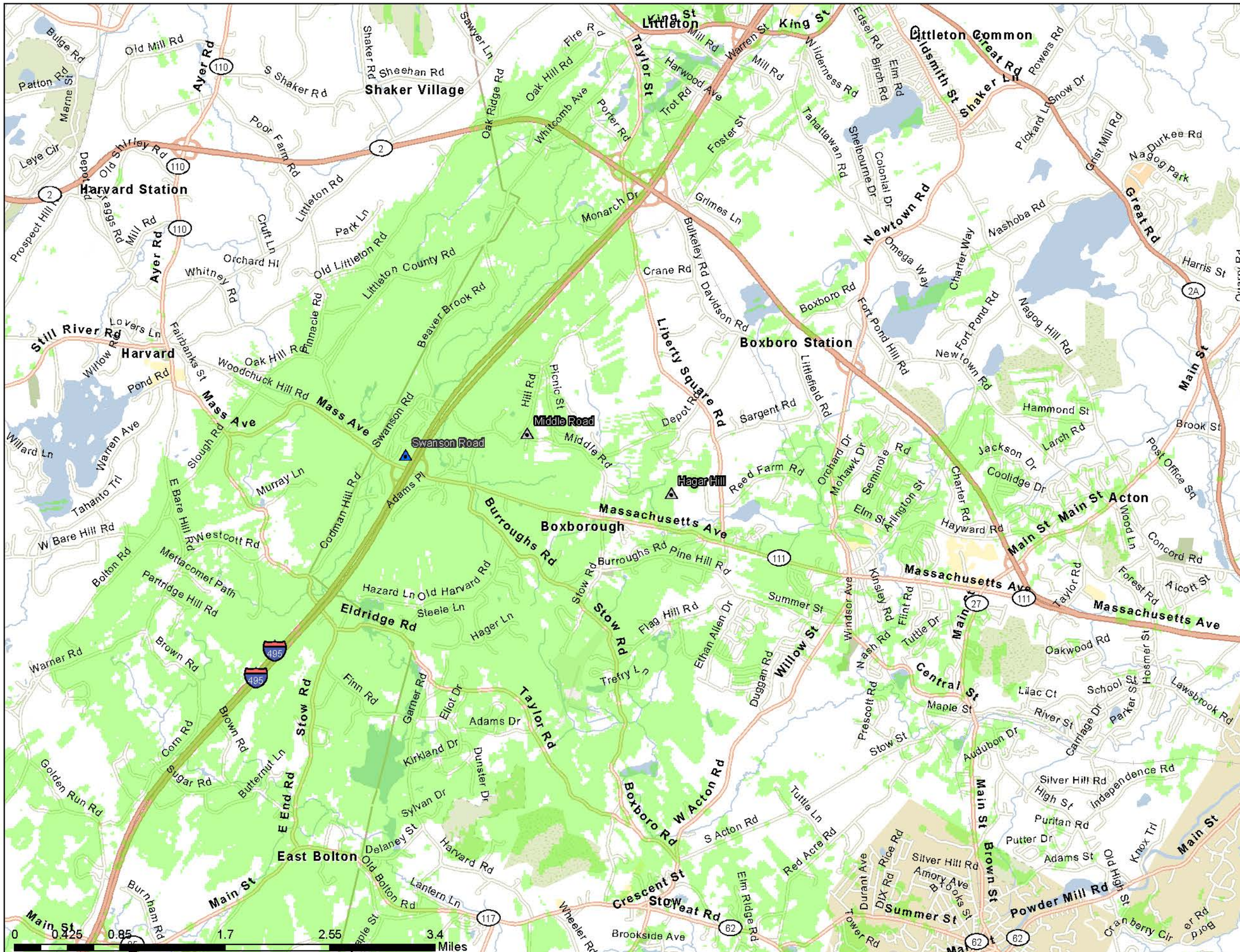


Transmit from Hagar Cell Site



Transmit from Middle Road





BOXBOROUGH, TOWN OF

VHF PORTABLE RADIO COVERAGE
Police
Talk-Out

SWANSON ROAD

▲ Active Radio Sites

Radio Coverage

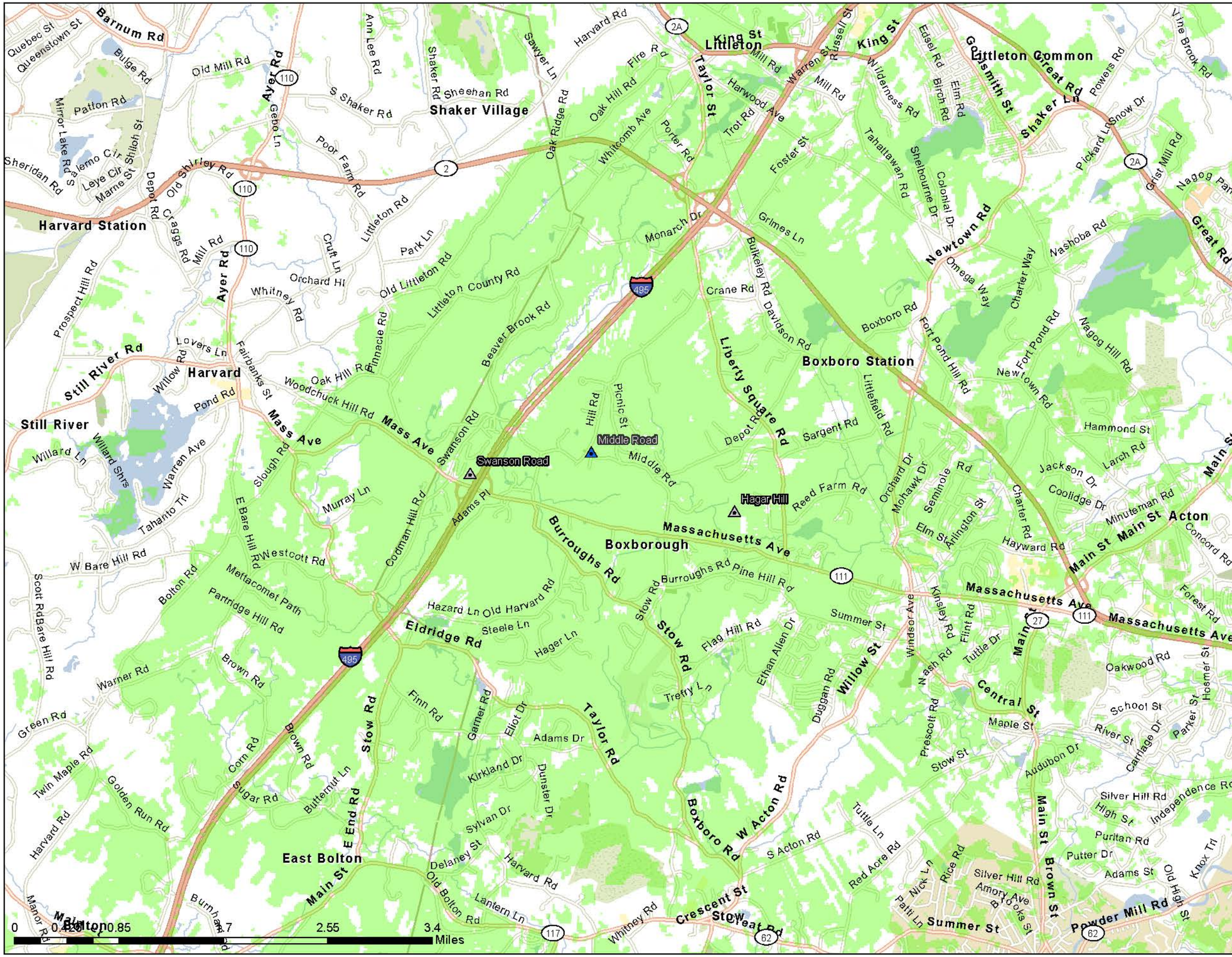
Portable, Outdoor

Swanson Road
42° 29' 19.4"
71° 32' 43.6"
Ant Ht: 90 ft AGL
Ant: 5 dB Omni
ERP: 50 Watts

Portable Radio
Power: 5 Watts
Antenna: Helical, belt case

Parameters
Reliability Displayed: 95%
Delivered Audio Quality (DAQ): 3.4
Wireless Technology: 12.5 kHz Analog

Ross&Baruzzini



BOXBOROUGH, TOWN OF

VHF PORTABLE RADIO COVERAGE
Police
Talk-Out

MIDDLE ROAD

▲ Active Radio Sites

Radio Coverage

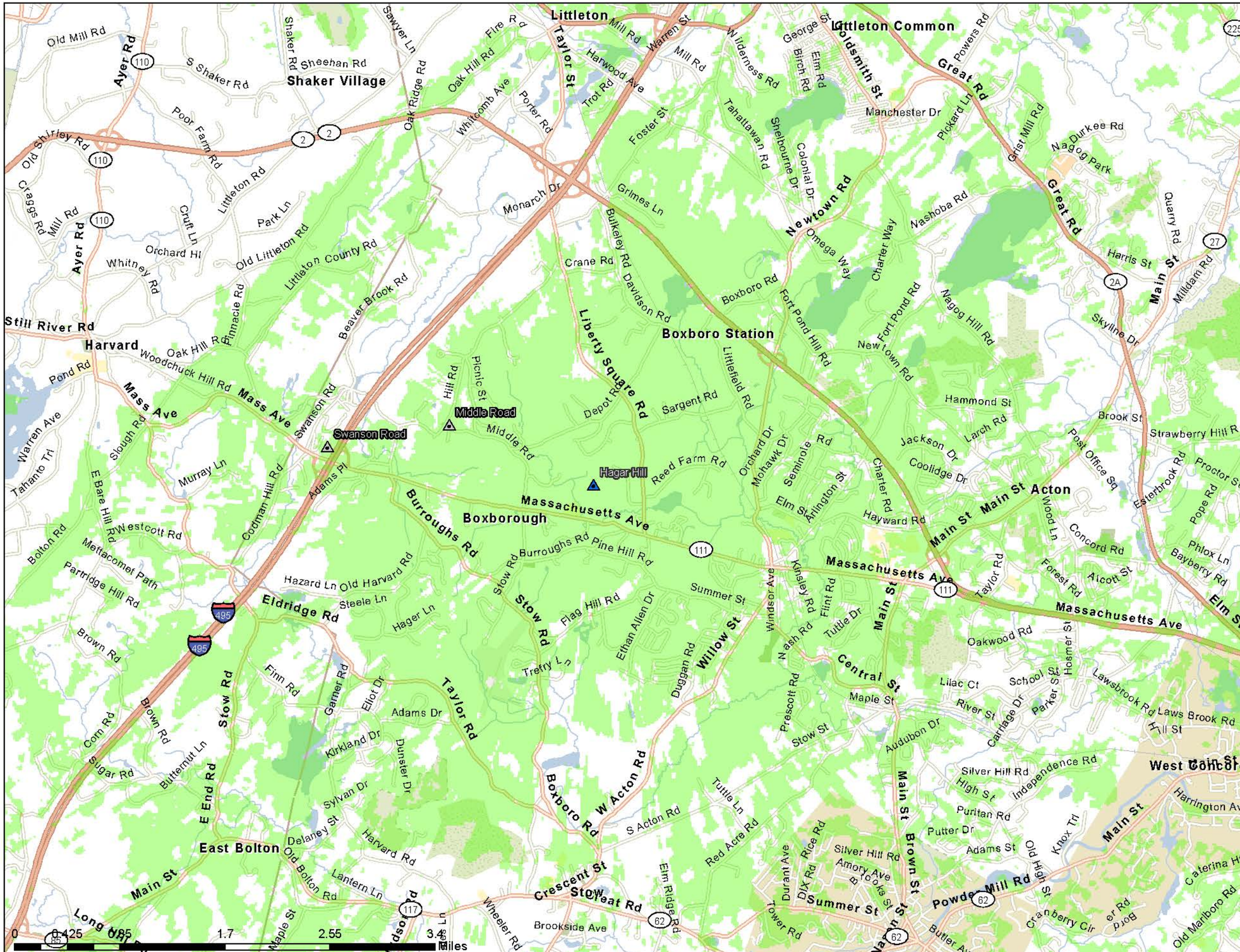
Portable, Outdoor

Middle Road
42° 29' 30"
71° 31' 34.7"
Ant Ht: 65 ft AGL
Ant: 5 dB Omni
ERP: 50 Watts

Portable Radio
Power: 5 Watts
Antenna: Helical, belt case

Parameters
Reliability Displayed: 95%
Delivered Audio Quality (DAQ): 3.4
Wireless Technology: 12.5 kHz Analog

Ross&Baruzzini



BOXBOROUGH, TOWN OF

VHF PORTABLE RADIO COVERAGE
Police
Talk-Out

HAGAR HILL

▲ Active Radio Sites

Radio Coverage

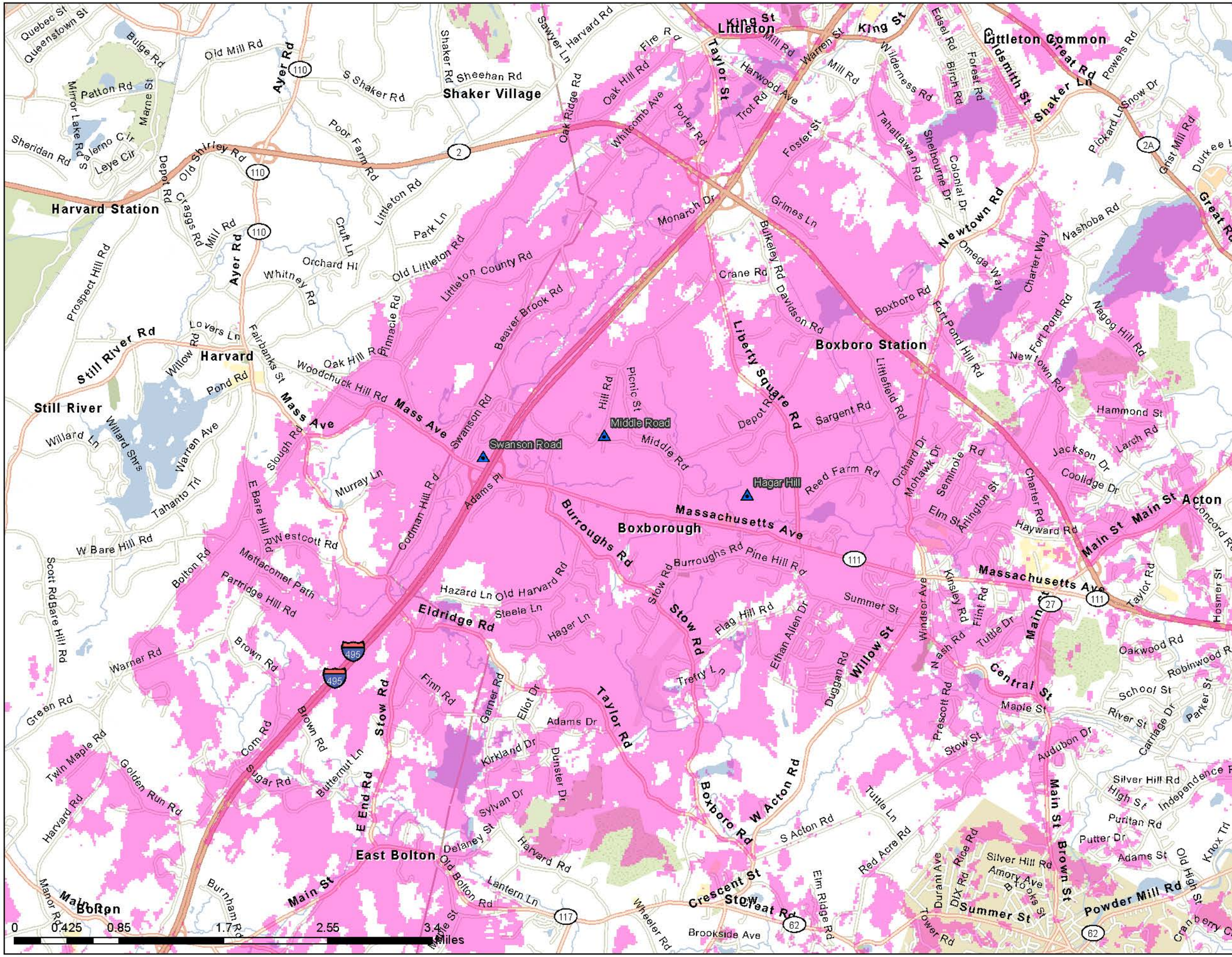
Portable, Outdoor

Hagar Hill
42° 29' 6.5"
71° 30' 11.7"
Ant Ht: 90 ft AGL
Ant: 5 dB Omni
ERP: 50 Watts

Portable Radio
Power: 5 Watts
Antenna: Helical, belt case

Parameters
Reliability Displayed: 95%
Delivered Audio Quality (DAQ): 3.4
Wireless Technology: 12.5 kHz Analog

Ross&Baruzzini



BOXBOROUGH, TOWN OF

UHF PORTABLE RADIO COVERAGE
Fire
Talk-In

ALL SITES

Active Radio Sites

Radio Coverage

Portable, Outdoor

Hagar Hill
42° 29' 6.5"
71° 30' 11.7"
Ant Ht: 90 ft AGL
Ant: 6 dB Omni
ERP: 50 Watts

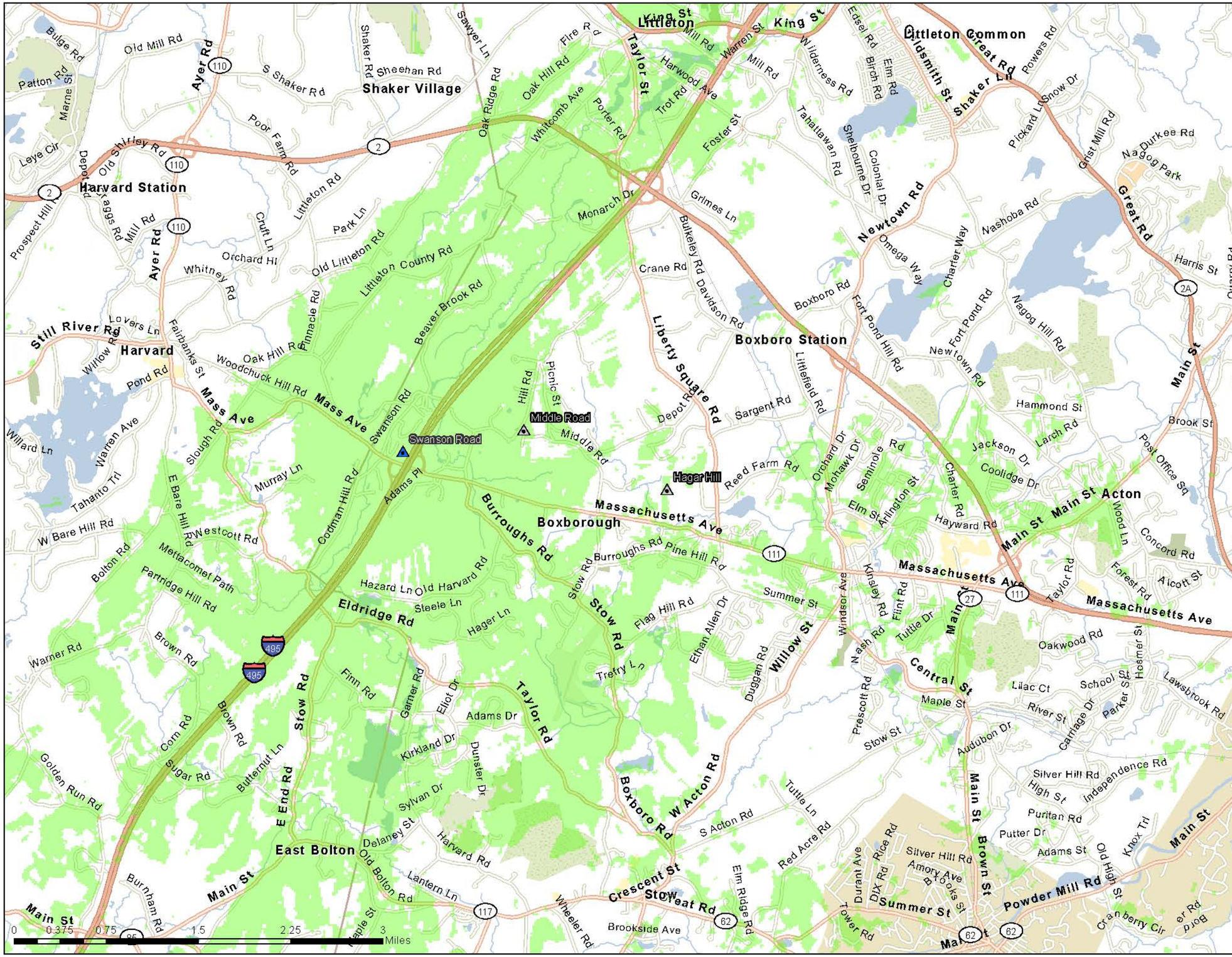
Middle Road
42° 29' 30"
71° 31' 34.7"
Ant Ht: 65 ft AGL
Ant: 6 dB Omni
ERP: 50 Watts

Swanson Road
42° 29' 19.4"
71° 32' 43.6"
Ant Ht: 90 ft AGL
Ant: 6 dB Omni
ERP: 50 Watts

Portable Radio
Power: 5 Watts
Antenna: Helical, belt case

Parameters
Reliability Displayed: 95%
Delivered Audio Quality (DAQ): 3.4
Wireless Technology: 12.5 kHz Analog

Ross&Baruzzini



BOXBOROUGH, TOWN OF

UHF PORTABLE RADIO COVERAGE
Fire
Talk-Out

SWANSON ROAD

▲ Active Radio Sites

Radio Coverage

Portable, Outdoor

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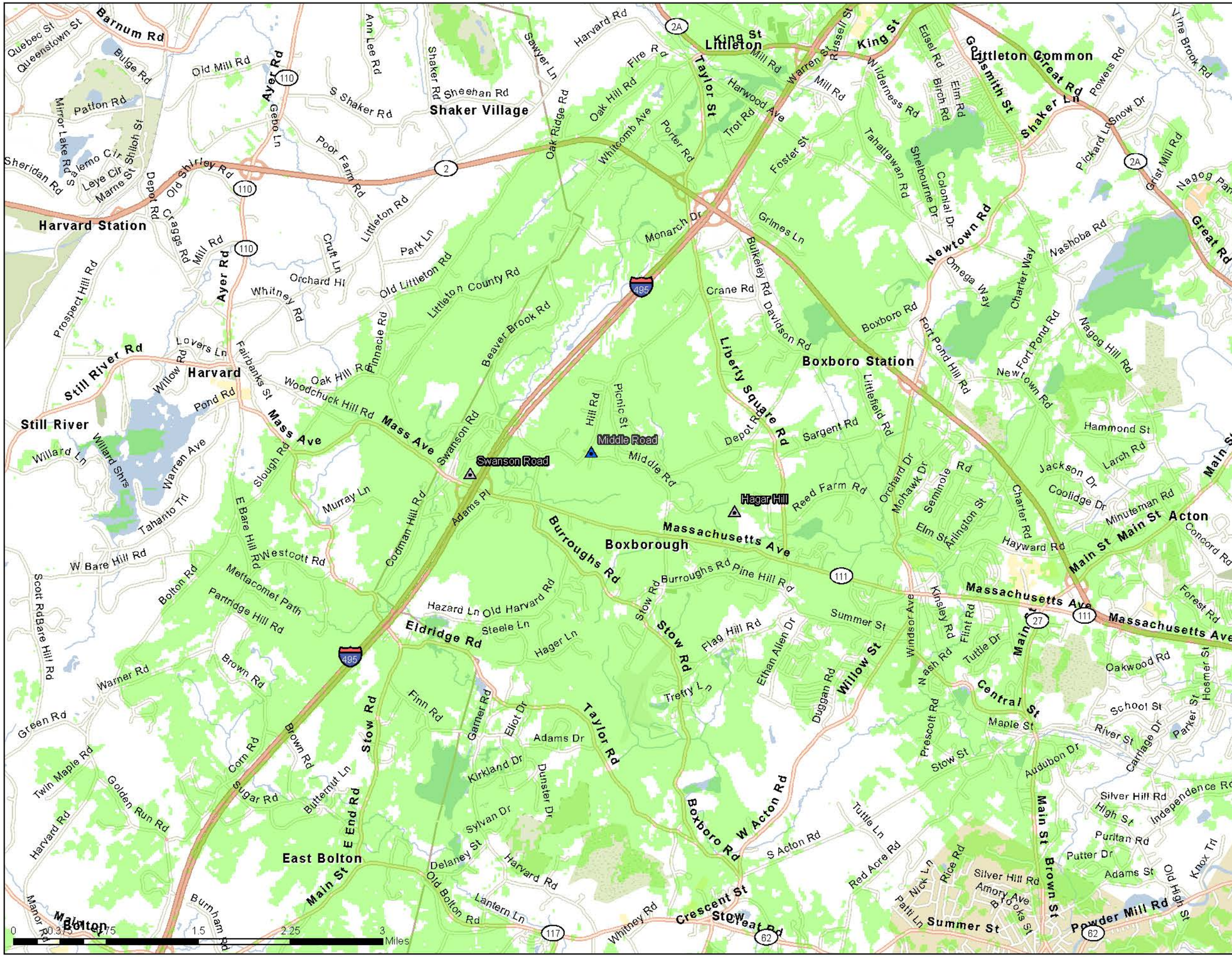

BOXBOROUGH, TOWN OF

UHF PORTABLE RADIO COVERAGE
Fire
Talk-Out

MIDDLE ROAD

▲ Active Radio Sites

Radio Coverage

Portable, Outdoor

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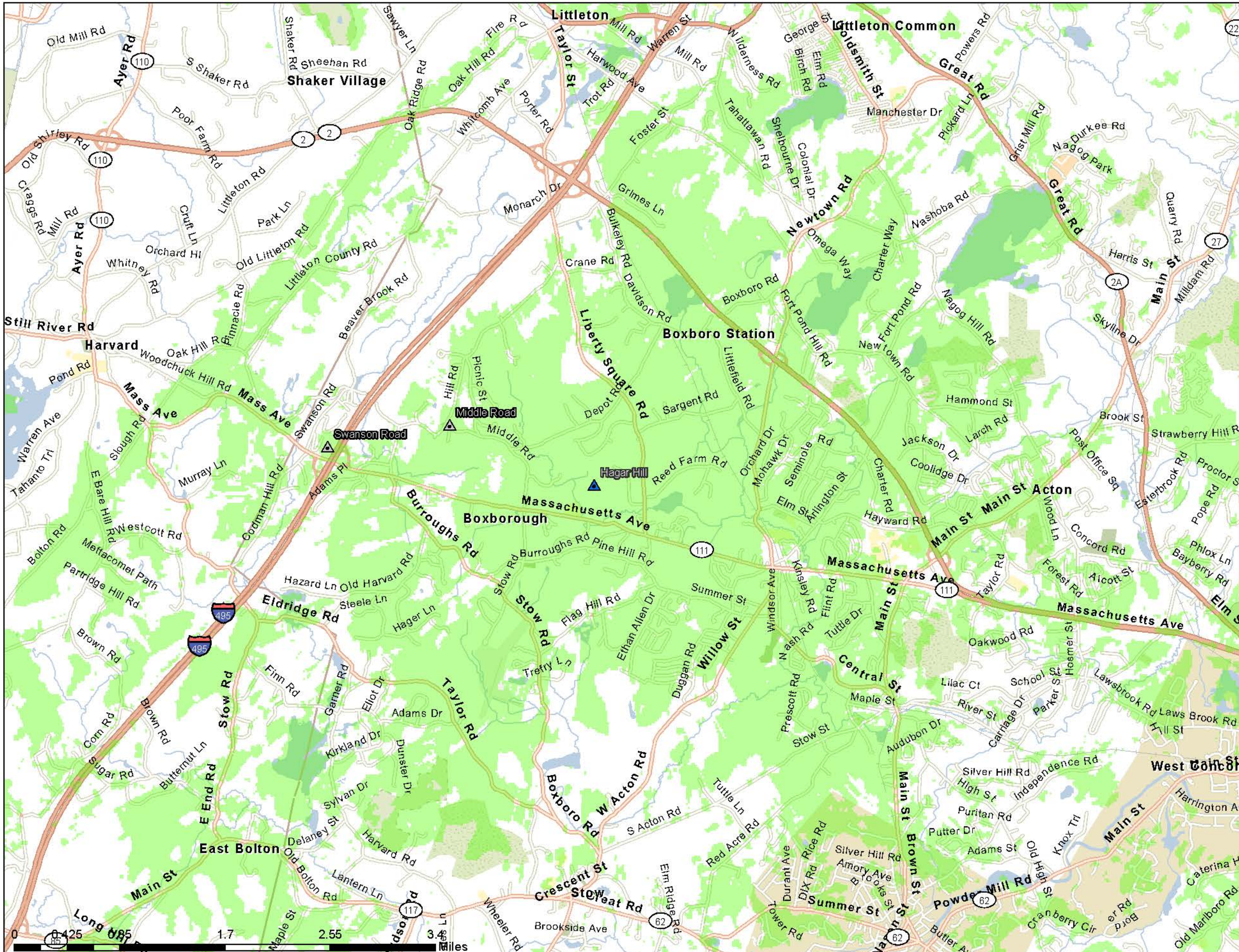
Ross&Baruzzini



BOXBOROUGH, TOWN OF

UHF PORTABLE RADIO COVERAGE
Fire
Talk-Out

HAGAR HILL

▲ Active Radio Sites

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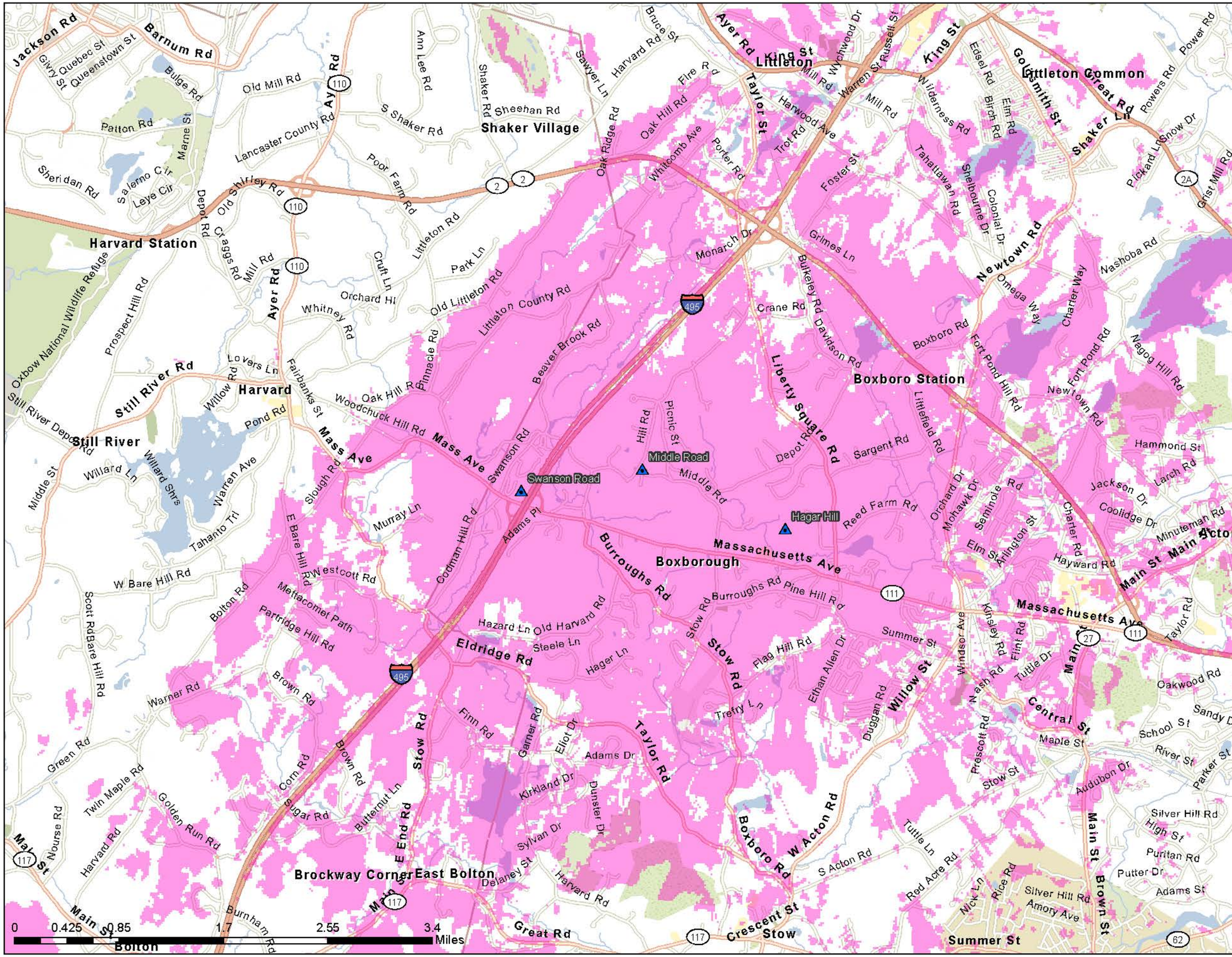
Delivered Audio Quality (DAQ):	3.4
Wireless Technology:	12.5 kHz Analog

Ross&Baruzzini



BOXBOROUGH, TOWN OF

VHF PORTABLE RADIO COVERAGE
Police
Talk-In

ALL SITES

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