

New York State Professional Firefighters 2016

District Fire Chief
Dennis Costin
Boston Fire
Special Ops Hazmat/WMD



Boston Fire Established 1678

2 Divisions

9 Districts

35 Stations

34 Engines

20 Trucks

2 Towers

2 Heavy Rescues

2 Wildland Pumpers

1 Hazmat

1 Decon

1 Special Unit

1 HAMR Unit

Various Support Vehicles







SAFESITE® Multi-Threat Detection System



BenchHAMP Unit Process

1. Turn the vial and turn the vial upside down. Place bacterial swab back in the test block.
2. Pick up and place enough powder to cover the lens.
3. Push back onto the vial cover and place the vial back into the HazMat ID. Report the Results.

4. Open the anthrax buffer vial and with a micro swab, pick up some of the product from the lens of the HazMat ID unit. Place the micro swab with the product into the first rich buffer vial. Rotate the micro swab in the buffer solution for 10 seconds.

5. Discard the micro swab, recap the anthrax buffer vial and place the anthrax buffer vial back into the test block.

6. Open the first rich buffer vial and with a micro swab, pick up some of the product from the lens of the HazMat ID unit. Place the micro swab with the product into the first rich buffer vial. Rotate the micro swab in the buffer solution for 10 seconds.

7. Discard the micro swab, recap the first rich buffer vial and place the rich buffer vial back into the testing block.

16. Open the vial of water.

11. Pick up the Back-Deab and wet with a couple drops of water.

12. Dab the pH paper with the wetted Back-Deab.

13. With the same Back-Deab, pick up some product from the lens of the HazMat ID and dab the wetted Back-Deab onto the pH paper. Report the results.

CHECK THE RAMP UNIT FOR READINESS - Insert Anthrax Lot Card

14. Open the Anthrax buffer vial.

15. Open the Anthrax pouch, remove the cartridge end with the pipetter, remove the pipette tip from the pouch.

16. Mix the anthrax buffer solution until the pink dot on the cartridge disappears.

17. Draw up a full pipette of the anthrax buffer solution, dispense into the cartridge and insert the cartridge into the RAMP unit. Analysis will take 15 minutes. Report the results.

See full BioCup 90780 Product Manual, Rev 1.1

CHECK THE RAMP UNIT FOR READINESS - Now insert Biotin Lot Card

18. Open both Rich buffer vials. (In the next steps a 1:1 dilution will be made.)

19. Open the first Rich pouch, remove the cartridge and with the pipetter, remove the pipette tip from the pouch.

20. Mix the first rich buffer solution until the pink dot on the pipette tip disappears.

21. Draw up a full pipette of the first rich buffer solution and dispense into the second rich buffer vial. Mix the second rich buffer solution 3 times with the pipetter.

22. Draw up another full pipette of the first rich buffer solution and dispense into the first rich cartridge and insert into the RAMP unit. Analysis will take 18 minutes. Report the results.

23. Open the second Rich pouch, remove the cartridge and with the pipetter, remove the pipette tip from the pouch.

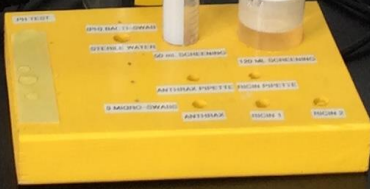
24. Mix the second rich buffer solution until the pink dot on the pipette tip disappears.

25. Draw up a full pipette of the second rich buffer solution and dispense into the second Rich cartridge. Insert the rich cartridge into the RAMP unit. Analysis will take 18 minutes. Report the results.

See full BioCup 90780 Product Manual, Rev 1.1

FLOW SCIENCE

ALCOHOL SWABS
HAZMAT ID ELITE VALIDATION DISK



908

Hazmat ID Elite









LESSONS LEARNED

- ◆ Changes in response



- Multi-tiered response



- All hazards response



MULTI-TIERED RESPONSE

◆ DELTA UNITS

◆ JHAT

◆ CAT

◆ RDT

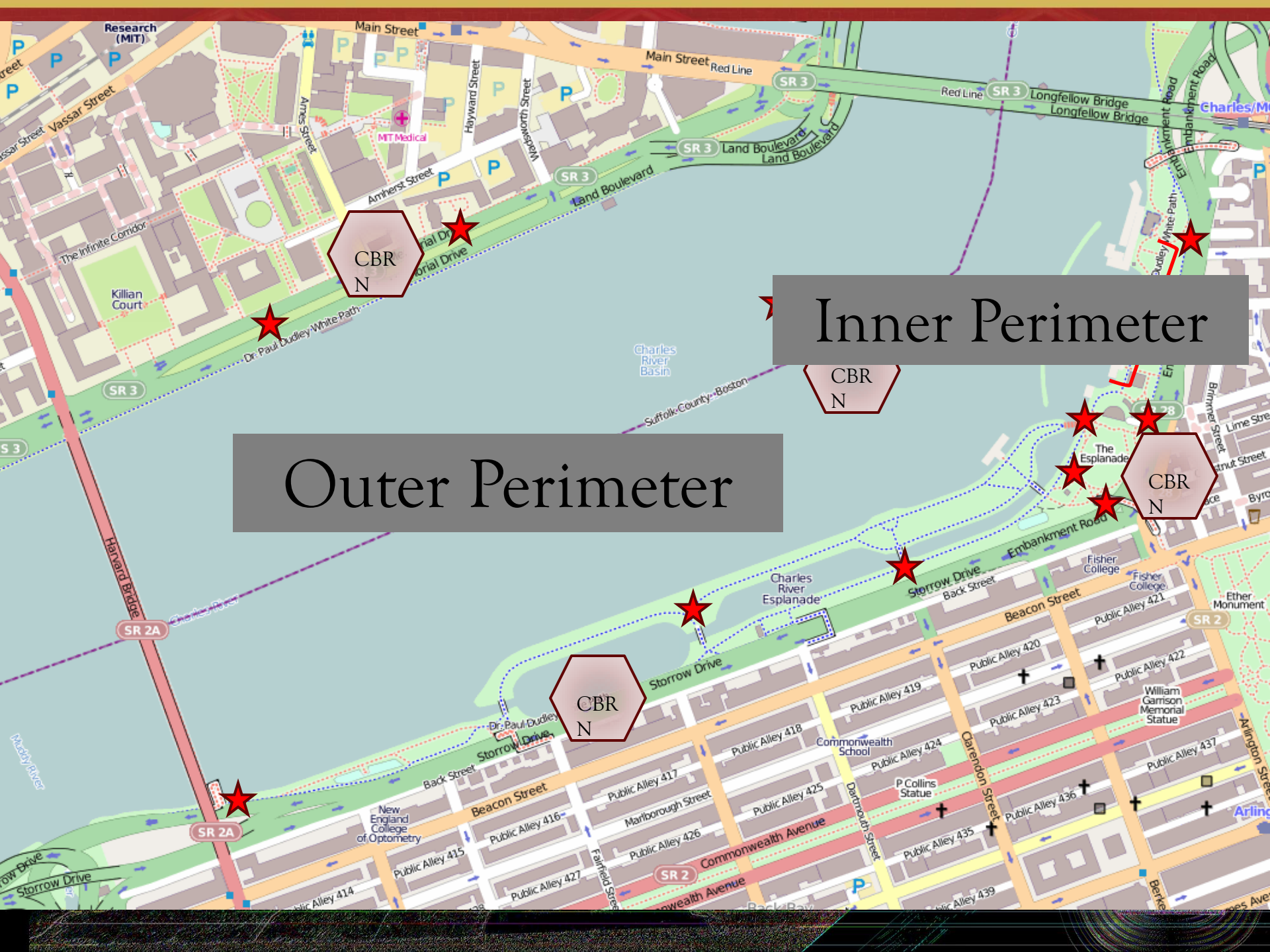
◆ FIELD UNITS



Esplanade

- 3 RDTs
- 2 JHATs
- 2 CAT TEAMS
- MSA SAFE-SITE
- 3 DECON TEAMS





Inner Perimeter

Outer Perimeter

CBR
N

CBR
N

CBR
N

CBR
N

SPECIAL EVENTS

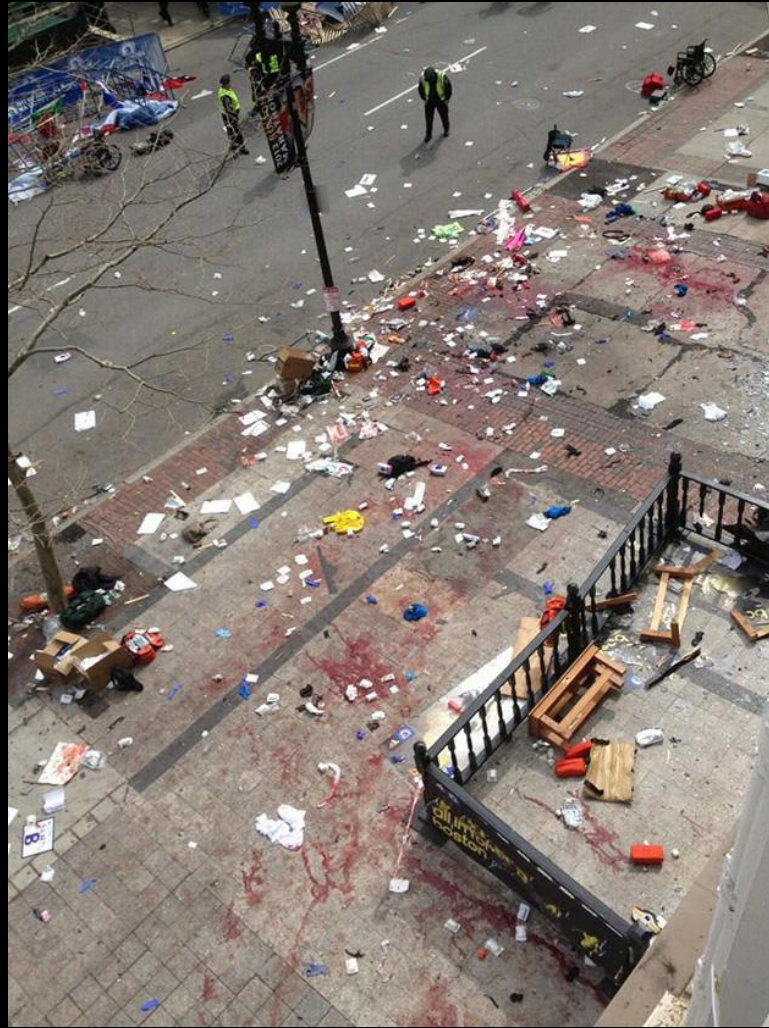
BOSTON MARATHON
JULY 4TH FESTIVITIES
REGATTA
FIRST NIGHT
PAX EAST
PARADES/FESTIVALS
ROLLING
RALLIESWORLD SERIES



After FBI released Boylston St. we worked along with the Department of Public Health to Decon and monitor the air prior to area reopening to the public.









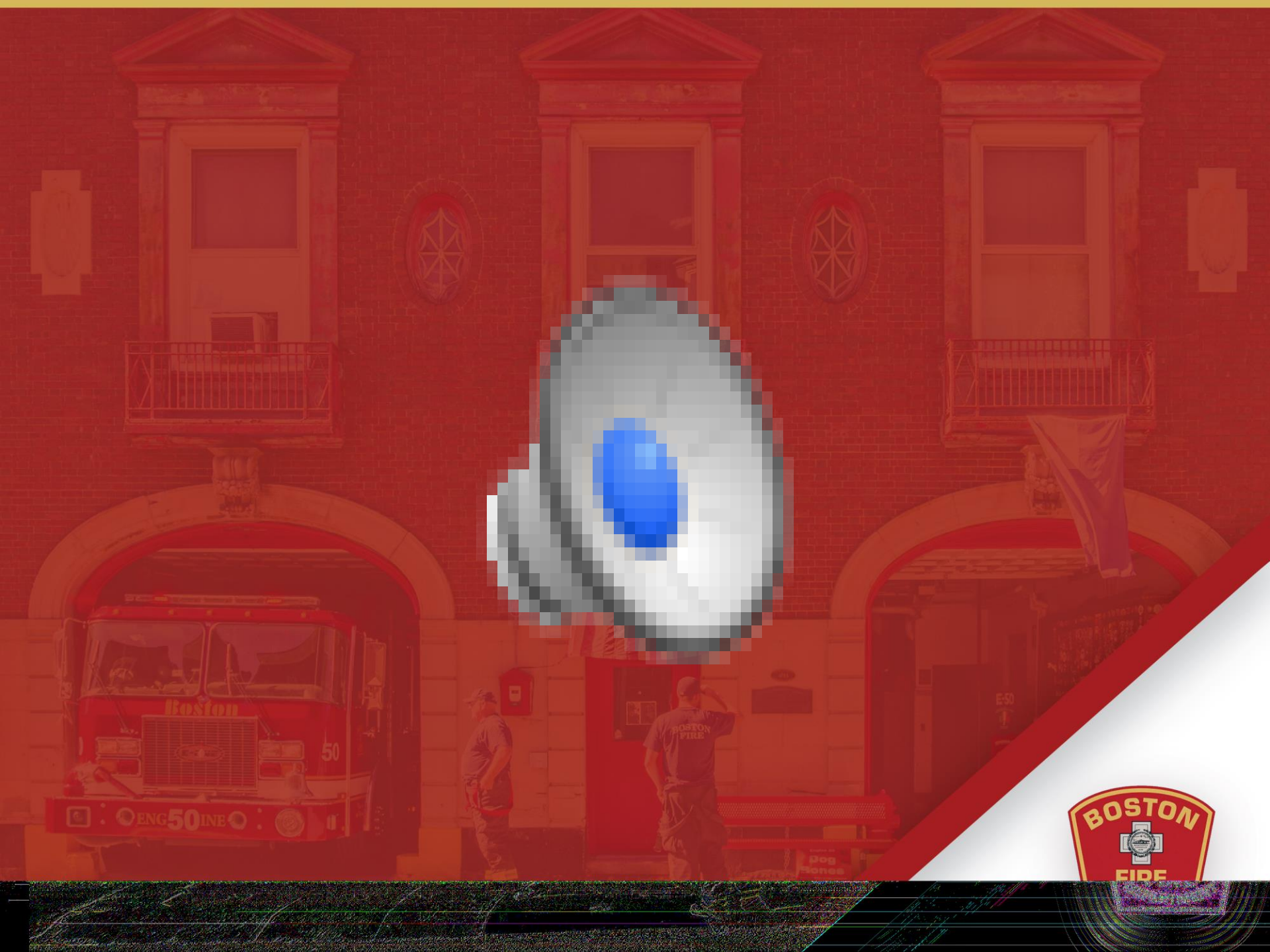


Health & Safety

Cancer Prevention Initiatives

Don't Be Me
Cancer Video
Caps/Hoods
Washers/Dryers
O2X





QUESTIONS?

Dennis Costin
6175904442

Dennis.costin@boston.gov

