

## EXHIBIT A2



# The Commonwealth of Massachusetts Department of State Police

DEVAL L. PATRICK  
GOVERNOR

LIEUTENANT GOVERNOR

ANDREA J. CABRAL  
SECRETARY

COLONEL TIMOTHY P. ALBEN  
SUPERINTENDENT

*Firearms Identification Section*

*124 Acton Street*

*Maynard, Massachusetts 01754*

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## Lieutenant David M. Cahill

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### EDUCATION:

- 2014 *Masters of Arts - Criminal Justice*  
University of Massachusetts  
Lowell, Massachusetts
- 2005 *Bachelor of Science - Criminal Justice*  
Western New England College  
Springfield, Massachusetts
- 1987 METROPOLITAN POLICE ACADEMY  
Needham, Massachusetts

### EMPLOYMENT:

- 1987 to present COMMONWEALTH OF MASSACHUSETTS  
*Massachusetts State Police*
- 2002 MASSACHUSETTS STATE POLICE  
*Ballistics Section*  
*Lieutenant*  
(2002 to Present)  
Duties: Executive Officer of the Firearms Identification Section. Supervises Firearms Examiners in the Maynard and Danvers Labs. Respond to crime scenes, gather and preserve firearms and firearms related evidence. Attend autopsies,

*David M. Cahill*  
5-18-14

observe wounds and receive evidence projectiles from Medical Examiners office. Conduct test firings of suspect weapons including distance type pattern tests when requested. Perform microscopic examinations of recovered evidence against test specimens from suspect weapon. Routine test firing of weapons to determine function and capability.

**EXPERT TESTIMONY:**

Qualified as an expert in Firearms Identification. Testified numerous times.

MASSACHUSETTS SUPERIOR COURTS: Bristol, Essex, Middlesex, and Worcester counties.

FEDERAL COURTS: Springfield, Worcester

**EXPERIENCE:**

The field of Firearms Identification is an applied science. While schools teach theory and instruct techniques, hands-on experience provides the foundation of a skilled firearms examiner. Training is similar to an apprenticeship; you learn by working on actual cases with other experts in the field.

Experience to date includes:

- Examined and/or test fired in excess of 3000 different weapons.
- Conducted in excess of 2000 microscopic comparison examinations.
- Participated in numerous fatal shooting investigations; most of those being homicides.

The Firearms Identification Section uses various references including material from:

- Sturm, Ruger Armorers' school.
- Glock Armorers' school
- Remington Armorers' school

**HONORS:**

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| 2005 | Certificate of Accomplishment<br>Recognition of the Massachusetts State Police partnership to create a safer society using the National Integrated Ballistic Information Network system.<br><i>Awarded to the Firearms Identification Section</i> |
| 2003 | Division Commander's Commendation for Implementation of National Integrated Ballistic Information Network (NIBIN)   |

*MFL*

*Awarded to the Firearms Identification Section*

2003 Commonwealth Performance Recognition Citation for  
Outstanding Performance  
*Awarded to the Firearms Identification Section*

**CONTINUING EDUCATION – SCIENTIFIC:**

2003 NIBIN SCHOOL  
Largo, Florida  
Description: Basic operator course for the NIBIN System held  
at Forensic Technologies Training center in Largo, Florida

2003 SMITH & WESSON ARMORERS' SCHOOL  
Springfield, Massachusetts  
Description: Course on how weapons are manufactured and  
assembled. This was an essential class since a major  
responsibility of a Firearms Identification examiner is to  
identify the toolmarks which are imparted upon a weapon  
during the manufacturing process. It is those toolmarks created  
during manufacturing that produce the microscopic differences  
that a Firearms Identification examiner looks for during  
microscopic exams.

2004 SIG SAUER ARMORERS' SCHOOL  
SIGARMS Academy, Exeter, NH  
Description: Course designed to instruct Firearms  
Identification examiners how to assemble and function their  
weapons expertly.

2004 Shooting Reconstruction Course  
Henry C. Lee Institute for Forensic Science, University of New  
Haven, New Haven CT.  
Description: Advanced course in shooting reconstruction using  
classroom and hands on training. Studying bloodstain and  
trajectory analysis and Gun Shot residue.

2004 GLOCK ARMORES'S SCHOOL  
Description: A course in the design, manufacturing, assembly  
and repair of GLOCK semi-automatic pistols

- 2005 Serial Number Restoration Course  
Bureau of Alcohol Tobacco and Firearms  
Framingham State College, Framingham, MA  
Description: A course in the forensic sub-discipline of serial Number restoration, which comprised twenty-four hours of instruction and certification in serial number restoration.
- 2004 COLT Defense Industries  
Massachusetts State Police Academy, New Braintree, MA
- 2005 FBI ACADEMY  
Quantico, Virginia  
Description: Techniques on Advanced Firearms Identification
- 2005 Techniques in Toolmarks Identification  
Presented by the FBI Firearms/Toolmarks Unit at Boston Police Department  
Description: Techniques on Toolmarks Identification
- 2006 Basic Bloodstain Pattern Analysis  
Presented by the Massachusetts State Police Crime Lab
- 2006 Basic Firearms Instructor Course  
Presented by the Firearms Training Unit at the Massachusetts State Police Academy  
Description: A basic firearms instructor course in pistol and Shotgun.
- 2007 BERETTA ARMORER COUSES  
Presented by Beretta at the Boston Police Department
- 2008 Examination and Comparison of Bullet and Shotgun Projectiles.  
Presented by Nancy D. McCombs at Boston Police Department  
Description: Techniques in microscopic examination of projectiles and shotgun projectiles. Including the microscopic examination of projectiles fired from consecutively manufactured barrels.
- 2009 AFTE Conference Miami Florida May 30 thru June 5.  
Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous papers in the field of Firearms Identification. Also attended classes in Barrel Making and Cartridge casings.

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- 2010 Shooting Reconstruction February 2010  
A 20 hour online course thru West Virginia University on the concepts of shooting scene reconstruction.
- 2010 Heckler & Koch MP5 Armorer's Course  
A two day course in the assembly and disassembly and repair of the various models and trigger groups of the Heckler & Koch MP5 machinegun.
- 2011 Leica Microsystems Comparison Microscope course  
A 8 hour course in Comparison Microscope Illumination and Imaging Techniques.
- 2011 Tool Mark Course. A 40 hour course in the Area of Tool Mark Examination and Identification. Held at the Massachusetts State Police Crime Lab Maynard MA on Febuary 28-March 4 2011. Instructors were Mr.David Brundage and Mr. James Gannalo.
- 2012 Smith & Wesson M&P 15 Rifle Armorers Course  
Smith & Wesson Academy Springfield, MA  
A two day course in the care maintenance and repair of the Smith & Wesson M&P 15 Rifle
- 2012 AFTE Conference Buffalo NY June 24 thru 29 2012  
Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous technical Papers. High Point Armorers Course.
- 2012 Smith & Wesson M&P Pistol Armorers Course  
Smith & Wesson Academy Springfield MA  
A one day course in the care and maintenance/repair of the Smith & Wesson M & P series pistols.
- 2013 Remington Arms Armorer's Course and Factory Tour  
Remington Arms, Ilion NY May 14-17, 2013  
A four day Armorer Course on the Remington 870, 1187 Shotguns and the 700 Bolt Action Rifle
- 2014 Ruger Arms Armorer's Course and Factory Tour  
Ruger Arms, Newport NH March 17-20, 2014

2014

A four day Armorer's course on the Ruger Mini-14 Rifle, GP100 Revolver and the LC9/LCP semi-automatic pistols.  
AFTE Conference Seattle Washington May 10 thru 16 2014  
Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous technical Papers. Sub-Class Characteristics and 3D Technology Workshops

**LECTURES/TRAINING SEMINARS:**

Presented numerous Introductory Firearms Identification lectures for Massachusetts Police Academies (State and Municipal) in addition to the District Attorneys offices (Middlesex, Worcester, and Essex counties).  
Lectured at Boston University School of Medicine.

