

M-CRASH group LLC

4106 Wilder Rd #290, Bay City, Michigan 48706-2239; Phone (989) 928-3358 www.mcrash.com



Timothy P. Robbins

EXPERIENCE

2004-Present Michigan State Police Third District Headquarters; Saginaw, Michigan

Traffic Crash Reconstruction Specialist

Promoted to Specialist Sergeant, same description as below.

2002-2004 Michigan State Police Third District Headquarters; Saginaw, Michigan

Traffic Crash Reconstruction Specialist

Investigate fatal and serious injury traffic crashes, review serious injury and fatal traffic crash reports, coordinate and instruct District At-Scene Traffic Crash Investigator training, testify as expert witness.

2000-2002 Delta Community College; University Center, Michigan

Regional Police Academy Instructor

Up-date curriculum and instruct traffic crash investigation to cadets.

2000-Present Bay Medical Center EMS; Bay City, Michigan

Paramedic

Duties similar to Life Link EMS.

2000-3/2002 Michigan State Police Third District Headquarters; Saginaw, Michigan

District Recruiter

Recruiter covering 12 counties. Duties include PR, high school and college seminars, news interviews, special district projects, public speaking, special event scheduling and organization, physical agility test proctor.

1999-Present Michigan State Police Third District

First Aid Instructor

Instruct and evaluate personnel on first aid techniques, policies, and procedures.

1997-5/2000 Michigan State Police Bay City Post; Bay City, Michigan

Trooper

Road patrol duties including complaint work. 1998 received instruction and began investigating traffic traffic crashes as an At Scene Traffic Crash Investigator.

1995-6/1997 Sheriff's Department; Alpena County, Michigan

Deputy Sheriff

Court Officer Duties and Road Patrol Duties including complaint work.

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1994-4/1995 E-911 Dispatch Center; Alpena, Michigan

E-911 Telecommunicator

Answer emergency and non-emergency lines, relay messages and needed information to appropriate agencies. Page fire, rescue, and ambulances as well as give limited medical treatment over the phone. Non-emergency law enforcement traffic as well as LEIN and emergency traffic.

1992-1999 Long Rapids Fire Department (Volunteer); Lachine, Michigan

Volunteer Rescue Personnel

Operate on board a volunteer rescue/first response unit as well as assisting at fires as support personnel.

1990-1999 Onaway Area Ambulance Service; Onaway, Michigan

Volunteer Crew Member

Operate as a volunteer crew member on a Basic Life Support unit. Requires same skills as a Paramedic, in addition it also requires the ability and knowledge to medically evaluate and triage patients to call for Advanced Life Support assistance. Also requires emergency driving techniques, knowledge of EMS laws, and ambulance operations and budgeting.

Supervisor (1993-1997 & 1999)

Supervisor position requires knowledge of EMS operational laws, Medical Control Protocols, budgeting and working within budget constraints, knowledge of communication operations, dealing with governing board, and also requires the ability to look past personal and political agendas to do what's in the best interest of the community the ambulance serves.

1990-1997 Life Link EMS; Rogers City, Michigan

Paramedic

Duties similar to that of Onaway Area Ambulance Service, including good report writing skills and general maintenance of ambulances.

1990-Present Michigan High School Athletic Association; East Lansing, Michigan

High School Sports Official

Demands good working knowledge of rules, hand to eye coordination, physical fitness, quick mental processing, good communication skills, interpretation of written rules to fit unusual circumstances, and human relation skills. Currently participate as Basketball Official.

COURT TESTIMONY

- 2003 Testify in the District Court of Saginaw County as an expert witness in the field of traffic crash reconstruction.
- 2003 Testify in District Court of Genesee County as an expert witness in the field of traffic crash reconstruction.
- 2003 Testify in Circuit Court of Bay County as an expert witness in the field of traffic crash reconstruction.
- 2003 Testify in District Court of Genesee County as an expert witness in the field of traffic crash reconstruction
- 2003 Testify in the Circuit Court of Genesee County as an expert witness in the field of traffic crash reconstruction.
- 2002 Testify in Bay County Circuit Court Jury Trial as an expert witness in the field of traffic crash reconstruction.
- 2002 Testify in Preliminary Examination in Genesee County District Court as an expert witness in the field of traffic crash reconstruction.

Timothy P. Robbins

- 2002 Testify in Preliminary Examination in Bay County Circuit Court as an expert witness in the field of traffic crash reconstruction.
- 2002 Testify in Preliminary Examination in Genesee County District Court as an expert witness in the field of traffic crash reconstruction.

ACCREDITATION

- 2003 The Accreditation Commission for Traffic Accident Reconstruction
ACTAR accredited registration # 1445

EDUCATION

- 2004 Michigan State Police; Training Academy, Lansing, Michigan
Red Cross First Aid Instructor Recertification (16 hours)
- 2004 Michigan State Police; MSP Forensic Laboratory, Lansing, Michigan
Breath Test Operator Update, Class IV operators
- 2003 Institute of Police Management and Technology (IPTM) & Michigan State Police; Lansing, Michigan
Human Factors in Traffic Crash (40 hours)
- 2003 Bay Regional Medical Center EMS; Bay City, Michigan
Pre-Hospital Trauma Life Support (PHTLS) (16 hours)
- 2003 Michigan Association of Traffic Accident Investigators; Sterling Heights, MI
Fall Training Conference, Occupant and Pedestrian Kinematics (8 hours)
- 2003 Michigan State Police; Prudenville, Michigan
Breath Test Operator Class IV
- 2003 Michigan State Police; Saginaw, Michigan
Breath Test Operator Class IIIA
- 2003 Michigan State Police/Red Cross First Aid Refresher (16 hours)
- 2002 Institute of Police Technology and Management; Eugene, Oregon
Bicycle/Pedestrian Motor Vehicle Crashes (40 hours)
- 2002 Michigan State University/Delta College; Bay City, Michigan
AI-3 Accident Photography (16 hours)
- 2002 Bay Medical Center EMS; Bay City, Michigan
American Academy of Pediatrics/Pediatric Education for Pre-hospital Professionals (ALS) (16 hours)
- 2002 Safety Solutions; Santa Rosa, California
Commercial Motor Vehicle Accident Investigation (40 hours)
- 2002 Michigan Association of Traffic Accident Investigators (MATAI); East Lansing, Michigan
Conference (8 hours)
- 2002 Institute of Police Technology and Management/Palm Beach Community College; Lake Worth, Florida

Timothy P. Robbins

- Motorcycle Accident Investigation (40 hours)
- 2002 Michigan State Police/Richmond Post; Richmond, Michigan
Forensic Mapping CAD/Map Scene software training (24 hours)
- 2002 Institute of Police Technology and Management; Indianapolis, Indiana
Traffic Crash Reconstruction (80 hours)
- 2002 Delta Community College; University Center, Michigan
Brake Diagnostic and Repair program
- 2002 Norfolk Southern Railroad Police; Taylor, Michigan
Railroad Crash Investigation (24 hours)
- 2002 Delta Community College; University Center, Michigan
Intro to Automotives and Automotive Electronics
- 2002 Michigan State Police/Richmond Post; Richmond, Michigan
Forensic Mapping/Total Station training (40 hours)
- 2002 Michigan State University; East Lansing, Michigan
AI-9 Accident Reconstruction (80 hours)
- 2002 Michigan State Police/Red Cross First Aid Refresher (16 hours)
- 2001 Michigan State Macomb/Macomb Community College; Macomb, Michigan
AI-4 Accident Investigation- Perspective Grid Mapping (8 hours)
- 2001 Michigan State University/Schoolcraft College; Garden City, Michigan
AI-5 Accident Investigation-Tire Examination (8 hours)
- 2001 Michigan State Schoolcraft/Schoolcraft College; Garden City, Michigan
AI-6 Accident Investigation-Lamp Examination (8 hours)
- 2001 Michigan State Oakland/Oakland Community College; Auburn Hills, Michigan
AI-7 Accident Investigation-Commercial Motor Vehicle (40 hours)
- 2001 Michigan State Oakland/Oakland Community College; Auburn Hills, Michigan
AI-8 Accident Investigation-Motorcycle (16 hours)
- 2001 Michigan State Police/Red Cross First Aid Refresher (16 hours)
- 2001 Michigan State Police/Bay Medical Center; Bay City, Michigan
EMS Crime Scene Response
- 2001 Michigan State Police/Delta Community College; Bay City, Michigan
Third District Headquarters-Command Issues during Riot Control
- 2000 Michigan State Police/Red Cross First Aid Refresher (16 hours)

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- 2000 Michigan State Police/Third District; Saginaw, Michigan
Traffic Crash Investigation Update (6 hours)
- 1999 Michigan State Police Training Academy; Lansing, Michigan
Laser speed measurement instructor.
- 1999 Michigan State Police Training Academy; Lansing, Michigan
MSP First Aid Instructor/Red Cross instructor (40 hours)
- 1999 Delta Community College/CSX Railroad Police; Saginaw, Michigan
Railroad Grade Collision (8 hours)
- 1999 Michigan State Police Training Academy; Lansing, Michigan
5 Year Advanced Trooper School (36 hours)
- 1998 Michigan State Police Training Academy; Lansing, Michigan
Basic Radar School (40 hours)
Certified Radar Operator
- 1998 Michigan State Police Training Academy; Lansing, Michigan
At Scene Traffic Crash Investigation/Advanced Accident investigator (80 hours)
- 1998 Michigan State Police Training Academy; Lansing, Michigan
Advanced Trooper School (76 hours)
- 1998 Michigan State Police Training Academy; Lansing, Michigan
Mobile Videotaping/In Car Cameras (6 hours)
- 1997 Michigan State Police Training Academy; Lansing, Michigan
18 Week Training Academy (494 hours)
- 1997 Alpena Community College; Alpena, Michigan
DWI Detection/Standardized Field Sobriety Testing including HGN (21 hours)
- 1996 Grayling National Guard/MSP; Grayling, Michigan
Infrared Breath Test/Datamaster (6 hours)
Certified Datamaster Operator #16357
- 1995 Padi/Thunder Bay Divers; Alpena, Michigan
Open Water Diver Certification
- 1994 Kirkland Community College; Roscommon, Michigan
MLEOTC recertification course (40 hours)
- 1994 Delta Community College/Alpena Community College; Alpena, Michigan
E-911 Telecommunicator Training class (80 hours)
- 1994 Michigan State Police Academy; Lansing, Michigan
Basic LEIN Training
Certificate Received

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- 1993 Law Enforcement Intern; Lake Superior State University
- 1993 Life Link EMS; Rogers City, Michigan
Advanced Cardiac Life Support (ACLS)
2002 Recertified ACLS at Mobile Medical Response EMS in Saginaw, Michigan
- 1993 Lake Superior State University; Sault Ste Marie, Michigan
B.S. Degree in Criminal Justice/Public Safety (440 hours MLEOTC)
Degree Received
- 1992 Cheboygan Life Support, Inc.; Cheboygan, Michigan
Advanced Emergency Medical Technician/Paramedic
State License #380-90-1105 (expires 07/31/2004)
- 1991 Lake Superior State University; Sault Ste Marie, Michigan
Emergency Medical Technician/EMT
State License #380-90-1105

EDUCATIONAL BACKGROUND**Criminal Justice****LSSU**

Juvenile Justice- Understanding and controlling behavior of juveniles.

Principals of Behavior

Personal Behavior

Abnormal Behavior

Police Process- Proactive Police Management.

Criminal Law, Search and Seizure

Procedural Criminal Law

Substantive Criminal Law

Introduction to Criminal Justice

Ethical Issues in Public Safety

Criminal Investigation: Crime Scenes, Child Abuse, Evidence Collection, Photography, Deaths, Sex Crimes.

Police Operations I & II- Dealing with every day police duties, traffic stops, accident investigations, emergency driving, communications, dealing with the public, officer safety.

Police Operations Lab- Self defense tactics, PPCT, soft impact weapons, officer safety.

Crisis Intervention and Deviant Behavior

Criminalistics- Advanced Investigation Procedures

MSP

Interview & Interrogation, Witness Interviewing, SCAN Technique

Firearms Training and Advanced Firearm Training.

Traffic Crash Investigation

Narcotics, Dangerous Drugs, & Drug Interdiction Training

Radar Training and Certification

OUIL Enforcement

Patrols and Patrol Issues/Techniques

Firearms Training

Report Writing

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Driving; Defensive, Offensive, and Pursuit.
 Handling Abnormal Persons
 Civil Disorders, Emergency Preparedness/Disaster Control, Tactical Operations
 Criminal Investigation; crime scenes, death, sexual crimes; homicides
 Juvenile Investigations
 Advanced Auto Theft Investigations

Fire Sciences**LSSU**

Introduction to Fire Science
 Hazardous Materials I
 Hazardous Materials II
 Hazardous Materials III- Including arson investigation.
 Tactics and Strategy on the Fire Ground
 Fire Protection and Hydraulics
 Industrial Fire Protection
 Incident Analysis- Scene Command, Incident Command Systems.

Misc.

Driving fire apparatus @ Onaway Fire Department

Applied Health/EMS**LSSU**

American Red Cross First Aid
 Human Anatomy and Physiology

Misc.

Driving, Offensive and Defensive; two courses through EMS employment

Michigan State Police

Red Cross Instructor

Professional Rescuer CPR

AED

Oxygen Administration

Blood Pressure

Emergency Response R97

Community First Aid

Workplace First Aid

Red Cross Lifeguard Training

PRESENTATIONS & INSTRUCTION

Instruct annual Michigan State Police First Aid refresher since 1999.

Presentation to JC Johnson employees reference the effects of drugs and alcohol on driving capabilities.

Presentations to drivers education programs on the effects of drugs and alcohol on driving capabilities, the use of seat belts and related injuries, and the effects of speed in crashes.

Presentation to Michigan Drivers Educators group on the importance of proper driver education to first time drivers and the effects of drugs and alcohol on driving capabilities.



Presentation to Bay Medical Center-EMS EMT and MFR classes about the legality of using emergency driving status and the effects of speed in crashes.

TRAFFIC CRASH STUDIES

Drag Factor studies considering the following factors: studded vs. non-studded snow machine comparisons and accuracy of hand measured snow machine brake marks vs. Vericom 3000 vs. actual speed/stop distances.

Drag Factor studies considering the following factors: drag tire, Vericom 3000, G Analyzer, bumper guns, skid tests, and standard braking vs. anti-lock braking systems.

Drag Factor studies comparing Ford Crown Victoria Police car abs vs. non-abs tests, and Chevrolet Impala Police cars abs vs. non-abs.

SPECIAL PROJECTS

2001 Assisting Alpena County Sheriff's Department in development, and implementation of a grant writing to purchase a lidar unit for speed measurement and AI distance measurements. Continued project by training five departments in its utilization for mutual aid agreements.

2001 Initiated an AED grant for MSP Third District. Grant was approved for providing 55 AED's and 7 trainer units to 14 police agencies covering seven counties. Coordinated and instructed training offered to all 14 agencies.

1993 Initiated a plan to upgrade Onaway Area Ambulance Service from a volunteer BLS system to a volunteer BLS with full time ALS system. Included initiating billing for services, upgrading EMS units, purchasing a new building, hiring staff, creating policies and procedures, and all facets of EMS management.

SENIOR THESIS

Focusing on the implementation of combined emergency services (public safety department) within one department and how this reduces financial concerns, increases communications, decreases response times, and increases public safety, among other issues.