



## PAT M. HAYES, Investigator

36135 Schoolcraft, Livonia, Michigan 48150

800-961-2909 - Fax 734-591-0140

*Licensed, Bonded & Insured in Michigan, Ohio, Illinois, Indiana, Arizona, Florida and Ontario, Canada*

### EXPERTISE:

Accident Reconstruction/Accident Damage Analysis

### EDUCATION, TRAINING & QUALIFICATIONS:

Accident Investigation 1 - Initial Investigation - Michigan State University, 1996

Accident Investigation 2 - Follow-up Investigation - Michigan State University 1996

Accident Investigation 3 - Accident Photography - Michigan State University, 1996

Accident Investigation 4 - Perspective Grid Mapping - Michigan State University, 1996

Accident Investigation 5 - Tire Dynamics/Examination - Michigan State University, 1996

Accident Investigation 6 - Lamp Examination - Michigan State University, 1996

Accident Investigation 7 - Commercial Vehicle - Michigan State University, 1996

Accident Investigation 8 - Motorcycle - Michigan State University, 1996

Accident Investigation 9 - Accident Reconstruction - Michigan State University, 1997

Accident Investigation 9 (Update) - Accident Reconstruction - Michigan State University, 1997

Accident Investigation 9 (Update) - Accident Reconstruction - Michigan State University, 1998

Accident Investigation 9 (Update) - Accident Reconstruction - Michigan State University, 2001

Accident Investigation 9A (Update) - Momentum - Michigan State University, 2001

Accident Investigation 9B (Update) - Kinetic Energy - Michigan State University, 2001

Accident Investigation 11 - Night Visibility Factors - Michigan State University 1996

Accident Investigation 12 - Vehicle/Pedestrian Collisions - Michigan State University 1998

Accident Investigation 13 - Advanced Accident Reconstruction - Michigan State University 2001

Accident Investigation 14 - Crush Measurements - Michigan State University 1997

Accident Investigation 15C - RECFORMS - Michigan State University 1998

Accident Investigation 17A - Accident Avoidance Analysis - Michigan State University 2003

Accident Investigation 18 - Advanced Motorcycle Accident Reconstruction - Michigan State University 2002

Accident Investigation 24 - School Bus Crash - Michigan State University 2007

MATAI Spring 2004 - Training Conference - October 2004

MATAI Spring 2005 - Training Conference –September 2005

MATAI Spring 2007 - Training Conference – Eaton Corporation Training Facility, Marshall, Michigan - May 2007

MATAI Spring 2008 - Training Conference –October 2008

Vertronix Corporation – Crash Data Retrieval (CDR) System Operator Training Series 2006

Institute of Police Technology and Management (IPTM) – Event Data Recorder Use In Traffic Crash Reconstruction  
– June 2007

Visual Statements – Basic/Advanced Diagramming and Animation with Total Station – December 2009

## **EXPERIENCE:**

Dearborn Police Department  
Patrol and Accident Investigation Unit  
1989 – Present

United States Air Force (Law Enforcement Specialist)  
1981- 1989

Additional duties:  
Field Training Officer  
Weapons Instructor  
Explosive Ordinance Disposal Unit  
Class IIIA Breathalyzer Operator  
Occupant Protection Usage Instructor

## **COURT QUALIFICATIONS:**

- 3<sup>rd</sup> Circuit Court, Wayne County
- 19<sup>th</sup> District Court, Dearborn
- 46<sup>th</sup> District Court, Southfield