



# San Bernardino County SHERIFF'S DEPARTMENT

## Speed from Crush Traffic Collision Investigation – Vehicle Dynamics

**March 11 – 14, 2024**  
0700 to 1800 hours

### Course Description

"Speed from Crush" builds on collision reconstruction training. Students will determine the speed of vehicles based on damage. Students will be introduced to the principles of the A, B, & G stiffness coefficients, as well as the energy from crush, utilizing a two-, four-, and six-point crush deformation equation. This course will examine crush theory, kinetic energy, delta V and energy from crush.

**\*\*\*PREREQUISITE\*\*\***

**MUST HAVE COMPLETED TRAFFIC COLLISION RECONSTRUCTION**

### Learning Topics

- Elastic and Inelastic collisions
- Angular collisions
- 2-, 4-, and 6-point crush formulas
- Real-world practical application
- AND MUCH MORE

### Who Should Attend?

Investigators who are seeking to further their expertise in collision reconstruction as well as build their knowledge in use of the "crush" to determine speeds of vehicles at point of impact.

### Frank Bland Regional Training Center

18901 Institution Road

San Bernardino, CA, 92407

(909) 473-2695



[Click Here](#) to visit our website or scan QR Code

### Course Location:

Frank Bland Regional Training Center  
18901 Institution Road, San Bernardino, CA 92407

### Course Fee:

\$500.00

SBCSD Members Fee Waived

### POST CCN:

2330-33603-23-001

### POST Plan:

IV

### Payment Options:

Major Credit Cards accepted in person or by phone

Agency check, cashier's check, or money order payable to S.B.S.D.

No personal checks or cash accepted

### Mail check to:

PO Box 9037, San Bernardino, CA 92427

- **Must be currently employed by a law enforcement agency**
- **Present appropriate ID upon arrival**
- **Dates and location are subject to change**
- **Casual business attire strictly enforced. No shorts, T-shirts, tanks, jeans, sandals, etc.**

To register, use the Course Registration form located [HERE](#)  
INFORMATION (909) 473-2695 / AOTRegistration@sbcسد.org

