

KWASNOSKI'S LITTLE RED BOOK CONTENTS

CHAPTER 1: Some Preliminary Thoughts

The reconstruction language	7
Scrutinize your own report	9
Experts should not be advocates	10
Jurors want CSI testimony	11
Disclosers and withholders	11
Listening through the juror's ear	12
A horse without a rider won't win	13
You must educate the jurors (or judge)	14
Credibility is most important	15

CHAPTER 2: The Reconstruction Vocabulary

Newton's laws strictly obeyed	17
Newton's first law	18
Newton's second law	20
Newton's third law	22
Kinetic energy	23
Frictional energy	24

CHAPTER 3: Pedestrian Collisions

Sources of information	27
Where was the point (area) of impact ?	28
How did the pedestrian get there ?	30
What was the vehicle speed ?	32
Eye witness estimates (of speed)	33
Tire mark evidence	35
Determining the skid distance	39
Determining the drag factor	42
Speed estimates from injuries	50
Throw of pedestrian body	51
Head strike on vehicle	53
Event data recorder	54
Was the collision avoidable ?	62

CHAPTER 4: Single Vehicle Collisions

Yawing and loss of control	71
Speed from yaw marks evidence	75
Is the csy equation valid with braking?	77
Treating the yaw as an energy event	82
The operator id defense	86
Mechanical defenses	90
Appendices	93