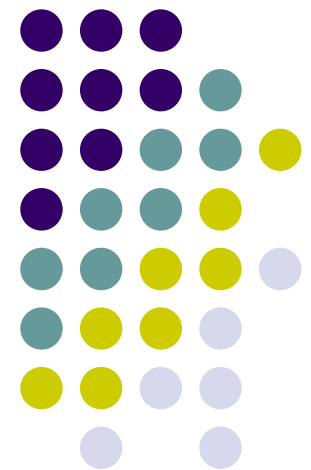


# Highly-Mobile Barrier Systems to Protect Workers

General Session Part 2:  
Other Conditions and  
Implementation Considerations





# Traffic considerations

- Speed
- Design vehicle
- Volume (?)





# Roadway considerations

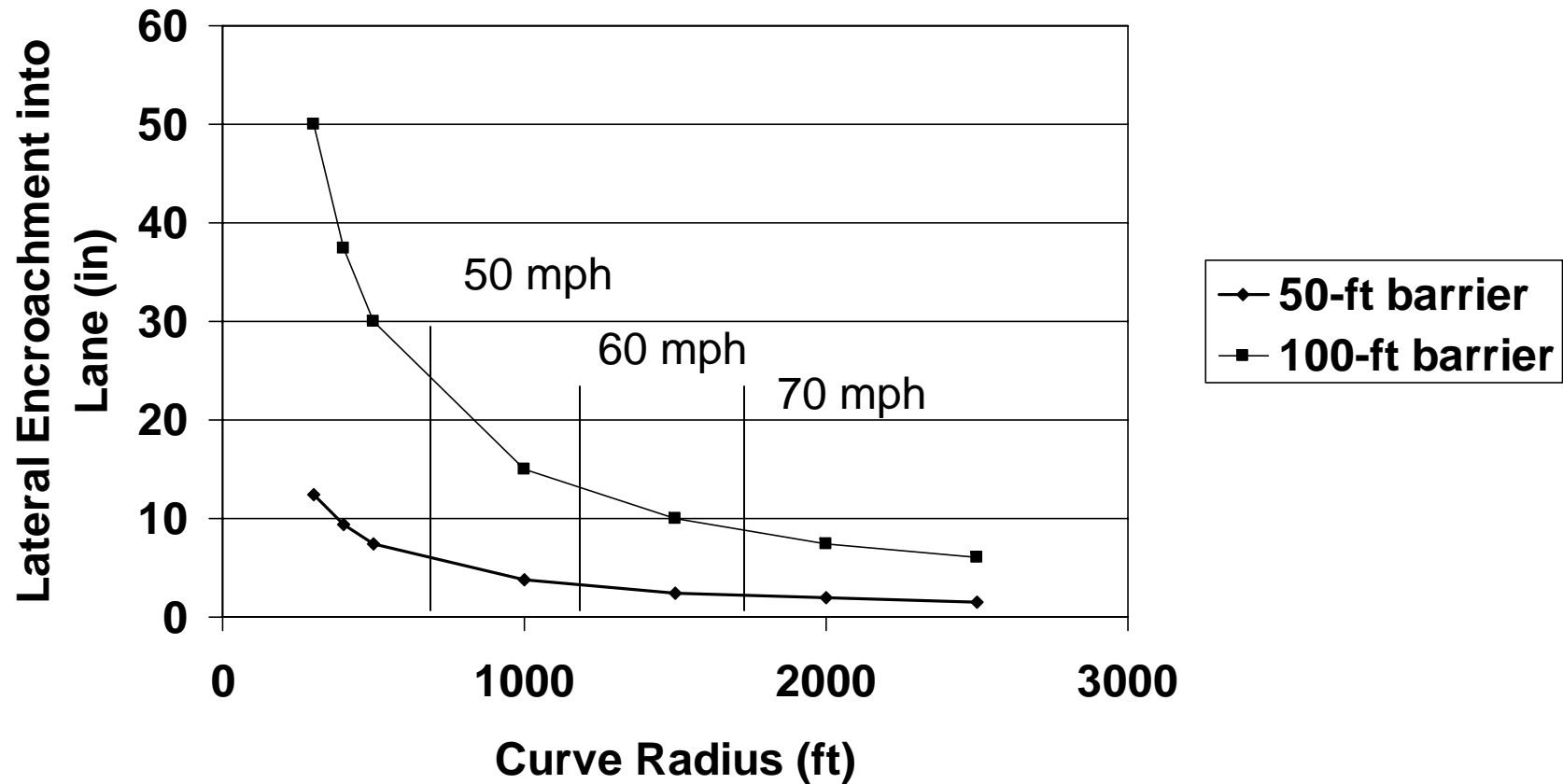
- Lane and shoulder widths
- Number of lanes
- Vertical curvature
- Horizontal curvature



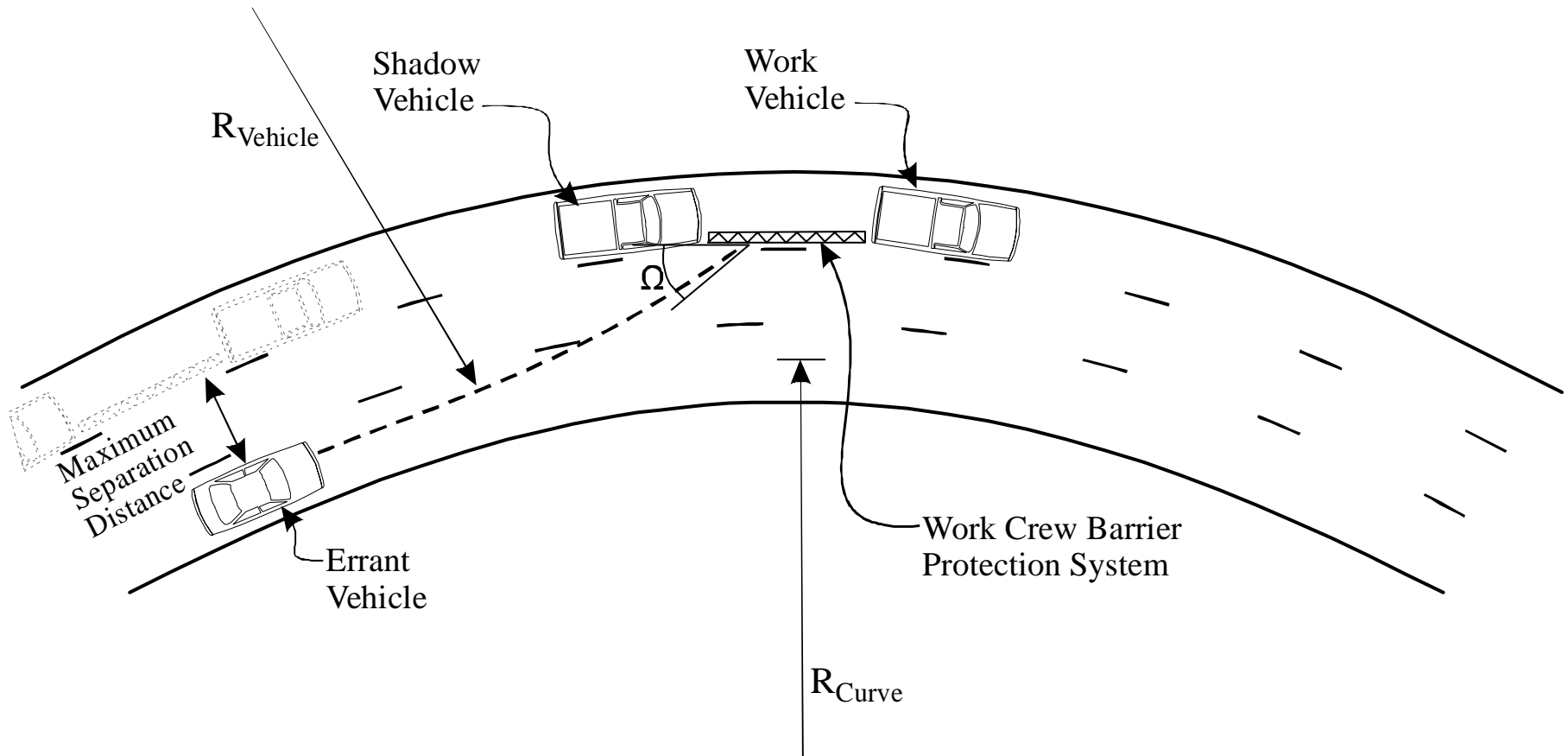
# Vertical curves

- Requires minimal vertical flexure and/or clearance to bottom of barrier (typically 6" or less)
- Vehicle hang-up concerns
  - Wheelbases > 40'
  - Overhangs > 15'
  - Also dependent upon overall vehicle design

# Horizontal Curve Encroachment

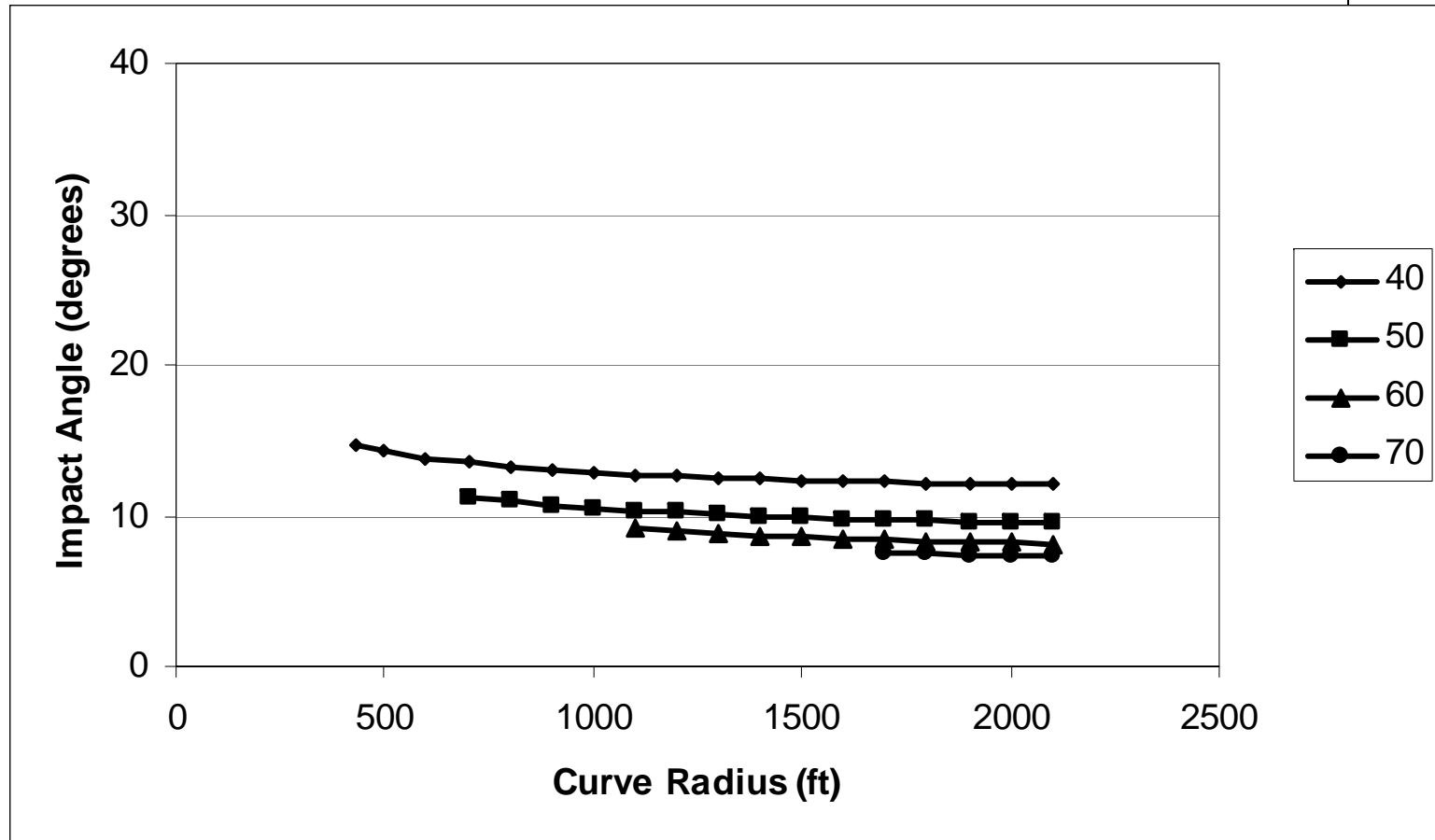


# Horizontal curve – impact conditions



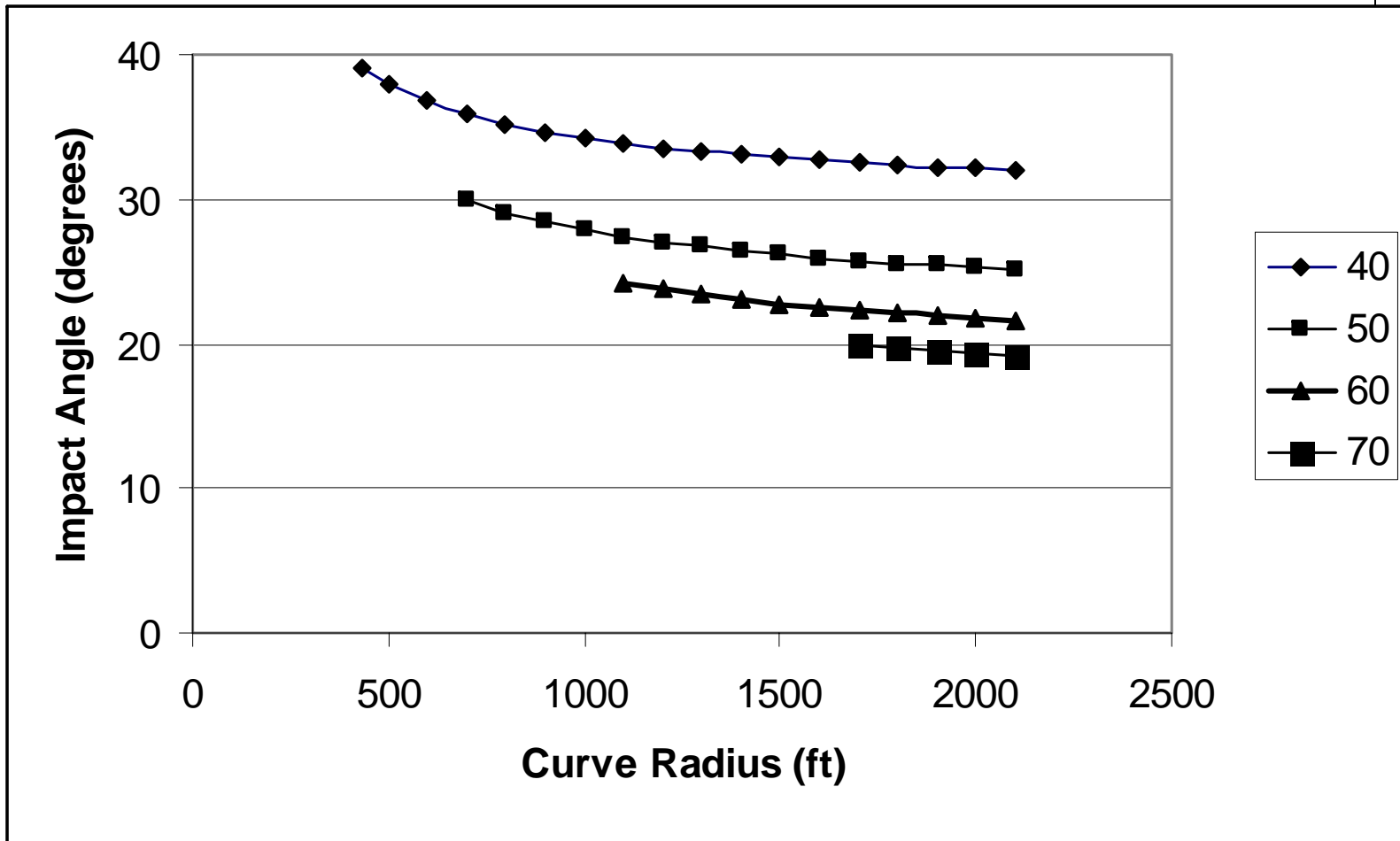


# Impact angle: 6' separation





# Impact angle: 42' separation





# Transportability

- Deployed versus in-transit
- Transport speed
- Appropriate design vehicle template (WB-50?)



# Traffic control

- Conspicuity markings requirement?
- Illumination?
- Flashing vehicle warning lights?



# Other considerations

- Impacts from front/rear?
- Ease of installation (how to characterize)?
  - Expertise
  - Number of personnel to deploy
  - Time to deploy