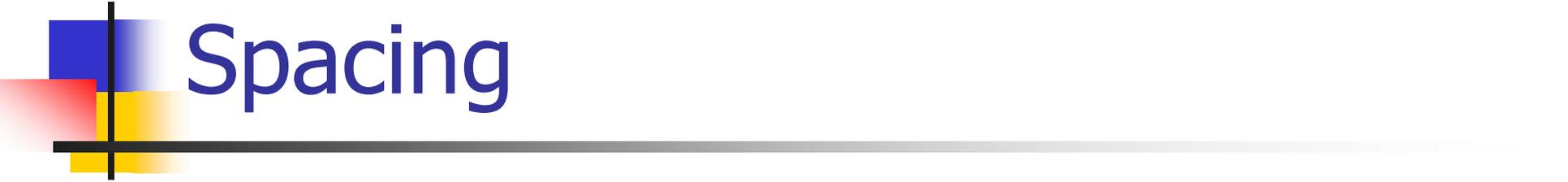
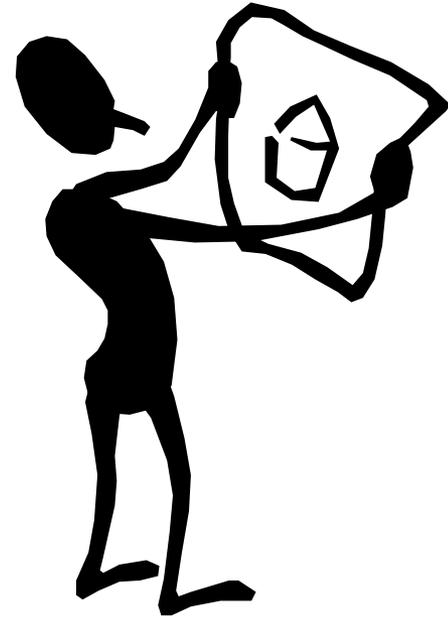


Unsignalized Intersection Spacing



Unsignalized Access Spacing

- Engineering considerations:
 - Functional intersection area
 - AASHTO guidance
 - Stopping sight distance
 - Intersection sight distance
 - Case-by-case
 - No cookbooks allowed!



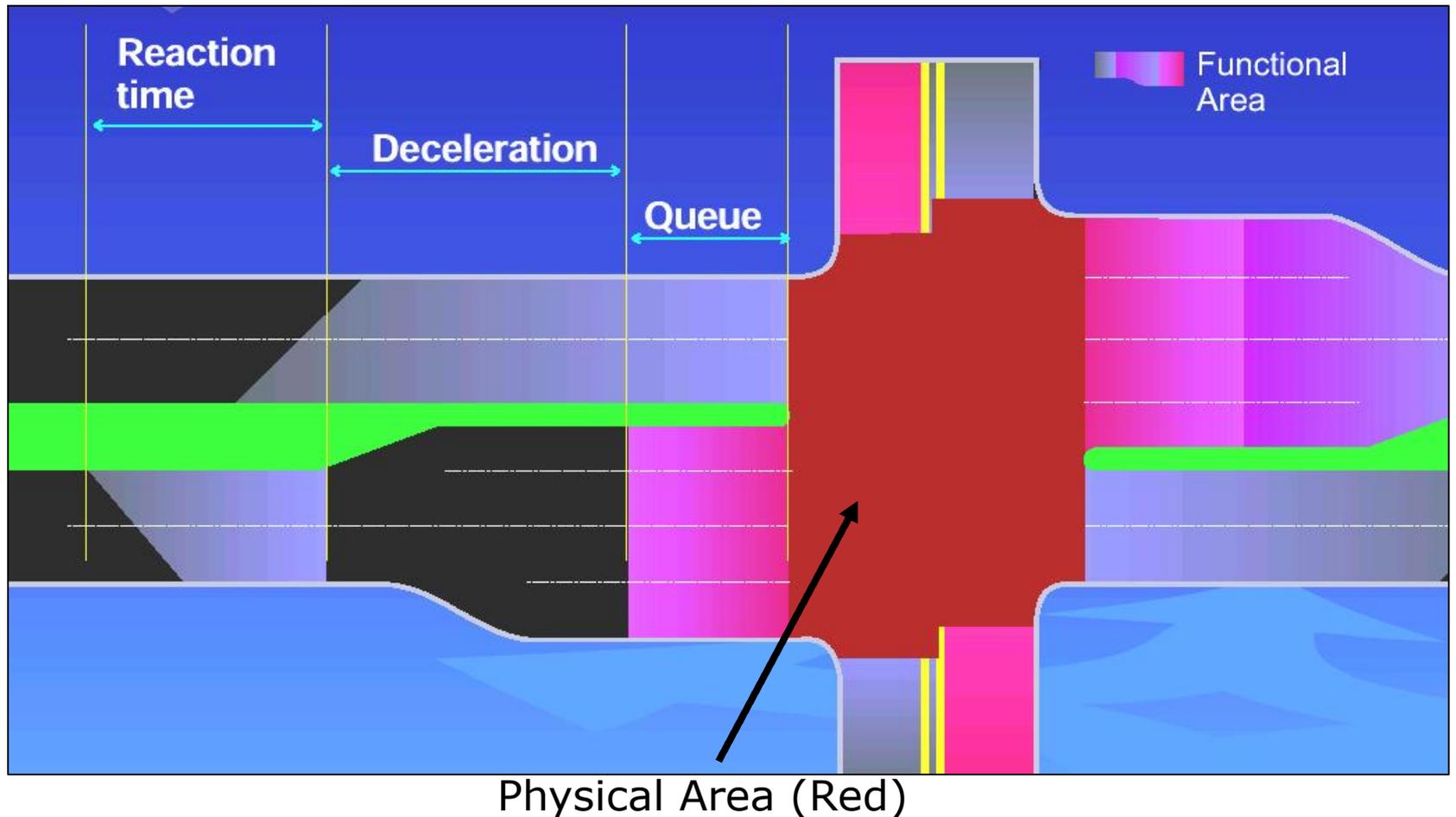


AASHTO says:

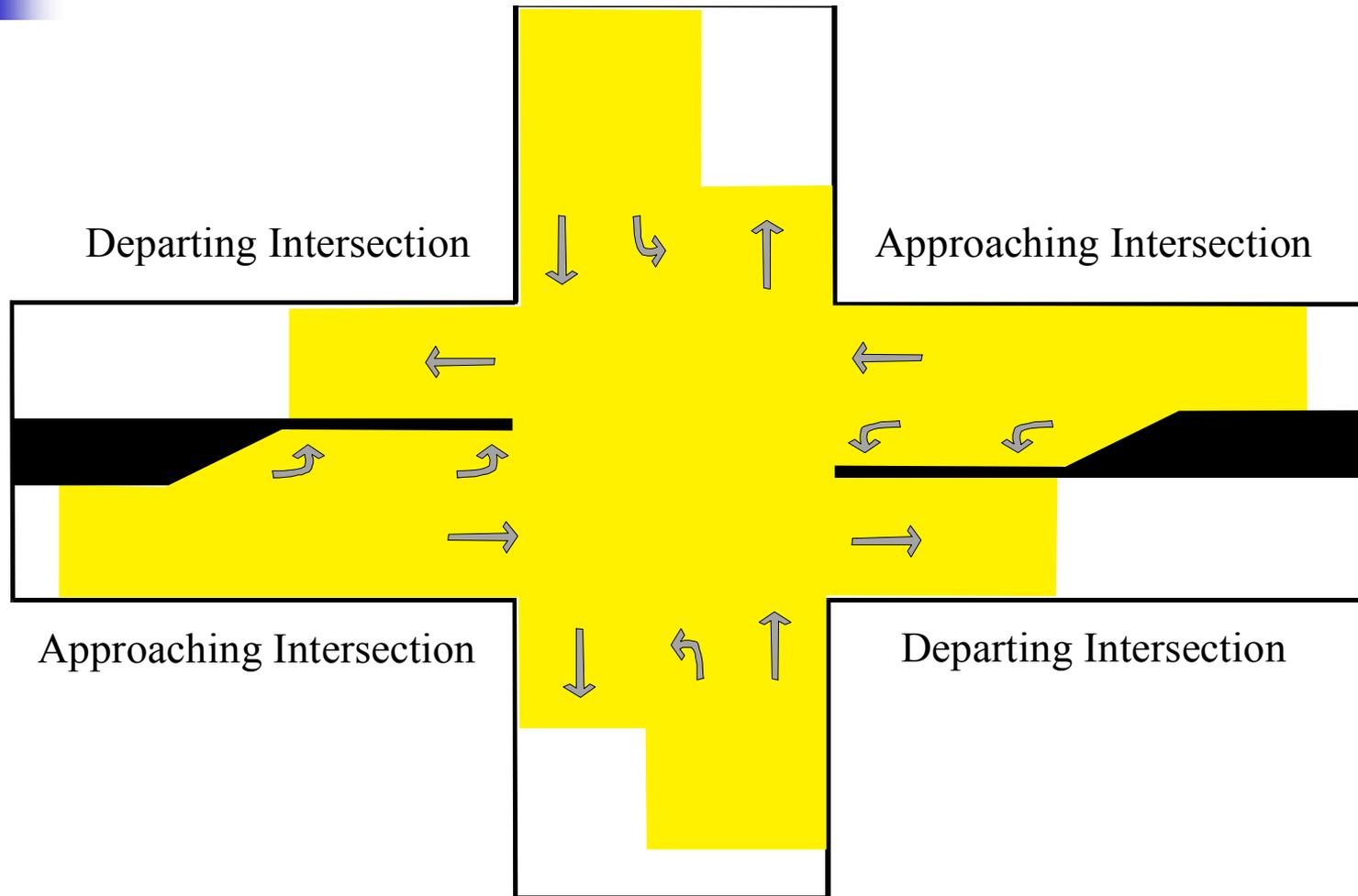
- Do not locate driveways within the functional area of an intersection
- Intersection functional areas extend beyond the physical boundaries

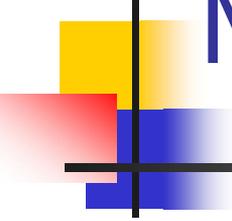
(AASHTO, 2004, "Green Book", page 729)

Functional Area of an Intersection (vs. Physical Area)

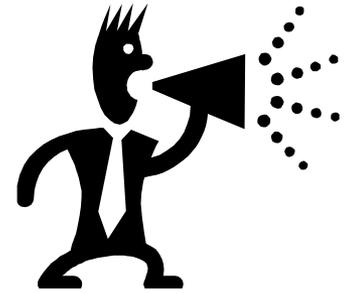


Functional Area of an Intersection





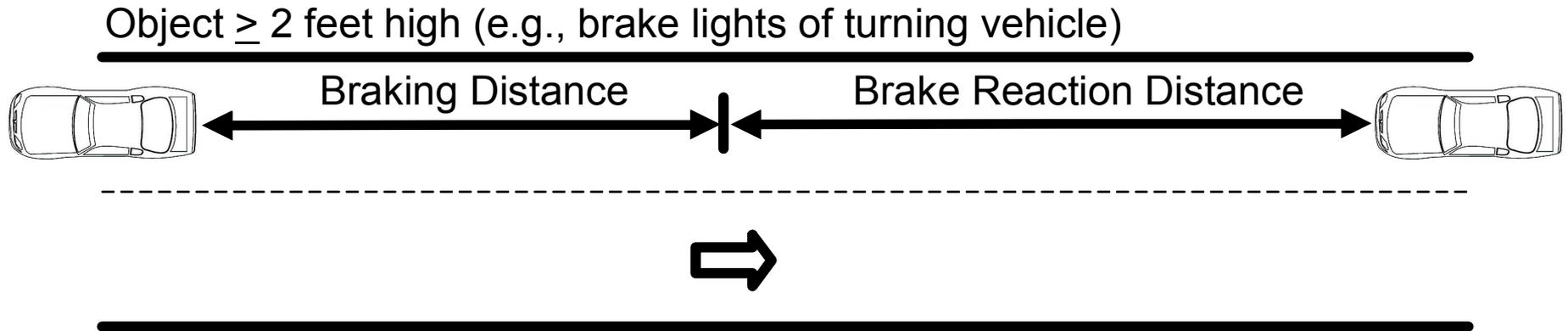
More from AASHTO:

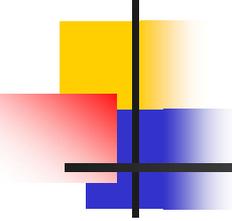


- Driveway spacing should consider impacts that ingress and egress actions have on through traffic
- Impacts are measured by the distance at which through traffic slows or changes lanes due to a turning vehicle

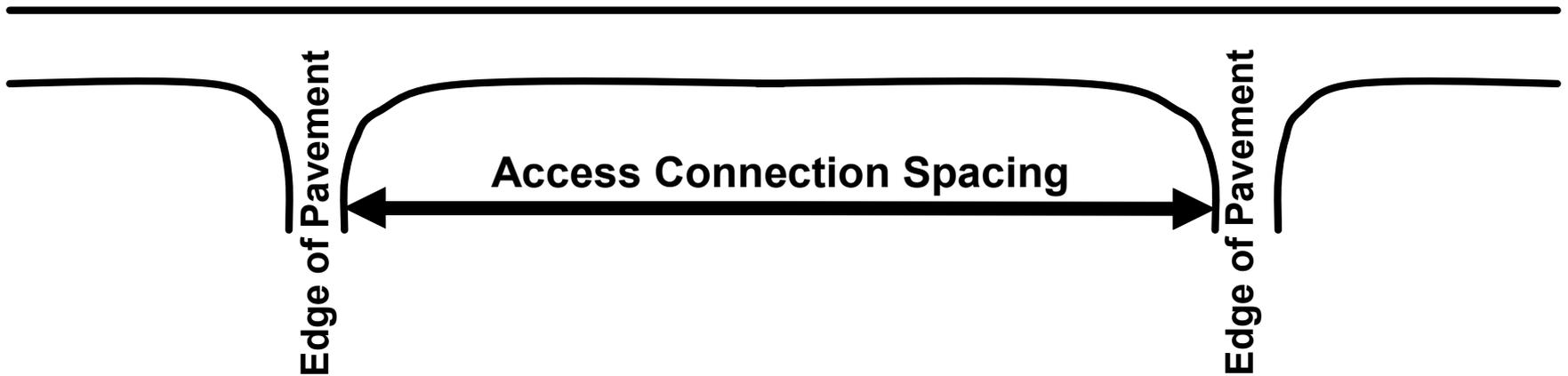
(AASHTO, 2004, Green Book, page 729)

Stopping Sight Distance



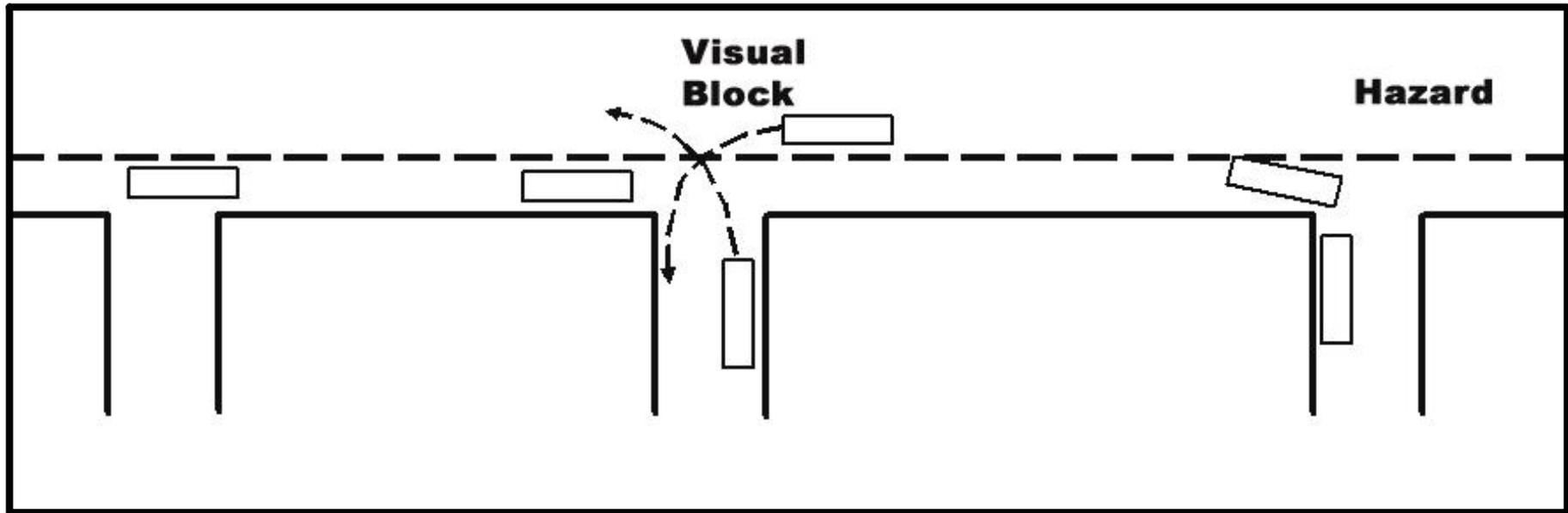


Application of Access Criteria



Edge of pavement versus centerline spacing

Application of Access Criteria



Stopping Sight Distance Example

(Discussion Paper #5C, Oregon DOT)

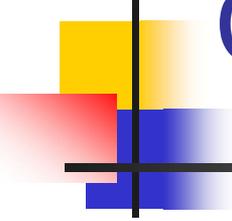
Unsignalized Spacing Criteria (Texas)

Other State Highways Minimum Connection Spacing

Posted Speed (mph)	Distance (ft)
≤ 30	200
35	250
40	305
45	360
≥ 50	425

Distances are for passenger cars on level grade. These distances may be adjusted for downgrades and/or significant truck traffic.

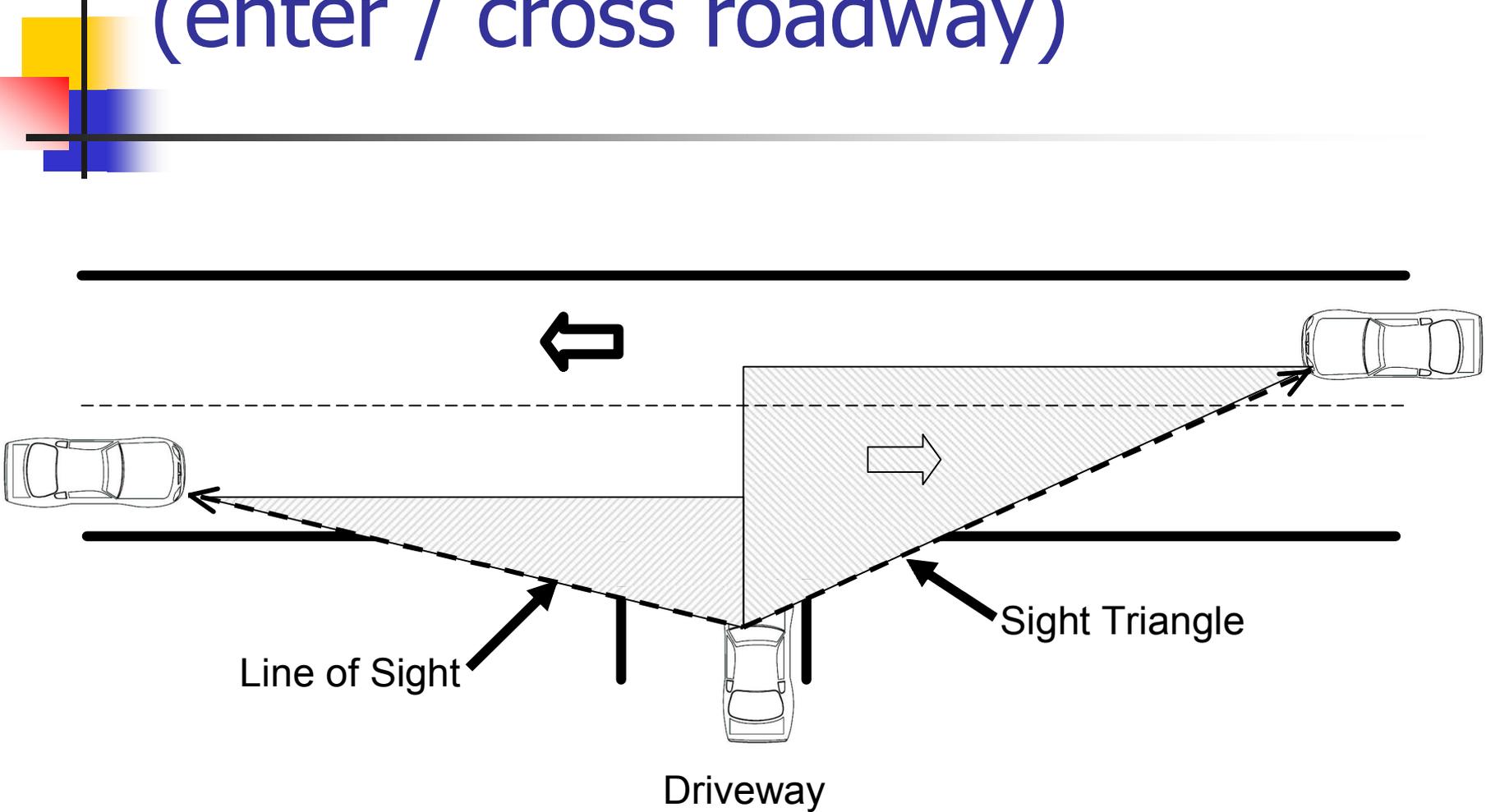
When these values are not attainable, refer to the deviation process



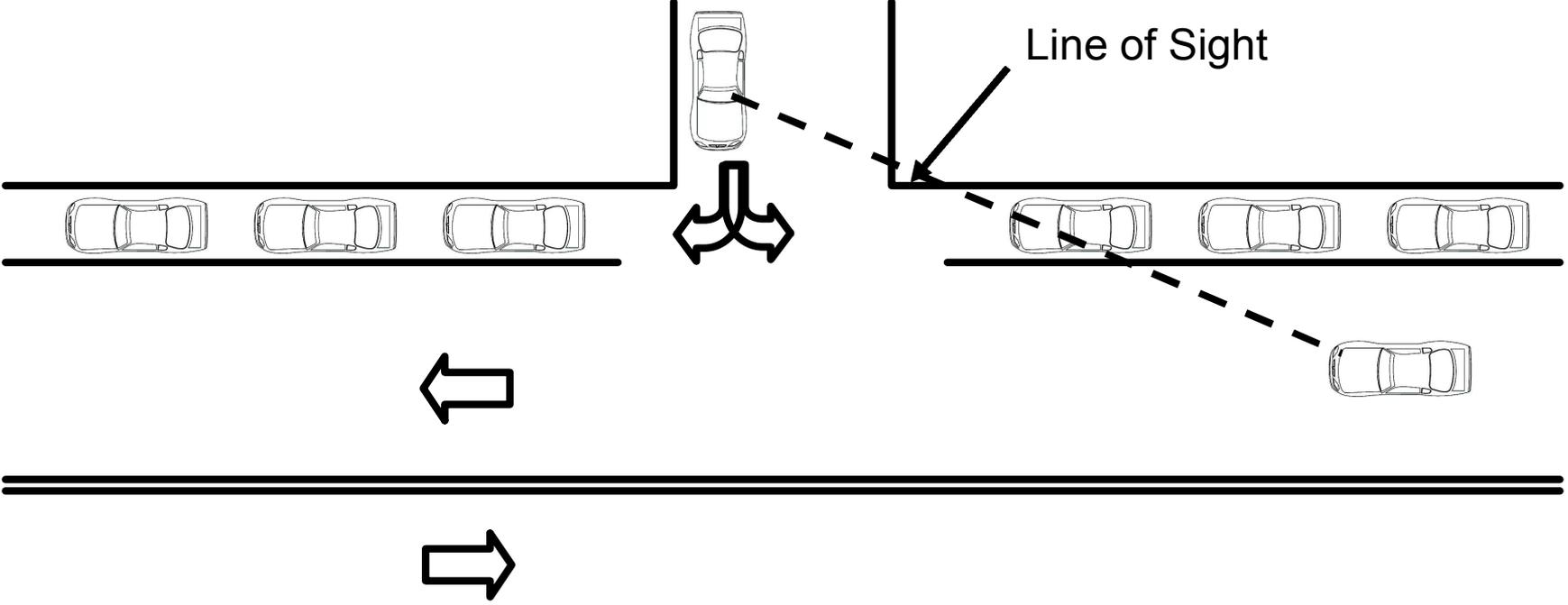
Corner Clearance

- Based on stopping sight distance (Texas)
- Where adequate space cannot be provided
 - May allow lesser spacing when shared access is allowed
 - Access may be allowed when no alternative exists, but at farthest location from intersection
 - Consideration given to right-in/right-out only operations

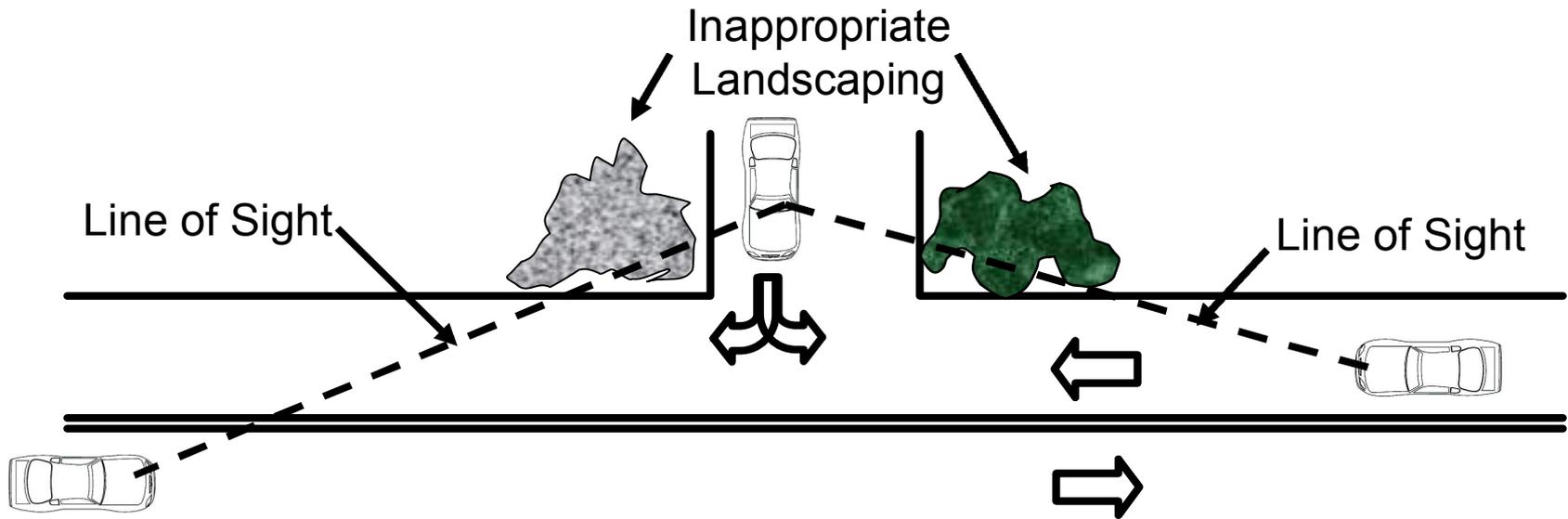
Intersection Sight Distance (enter / cross roadway)



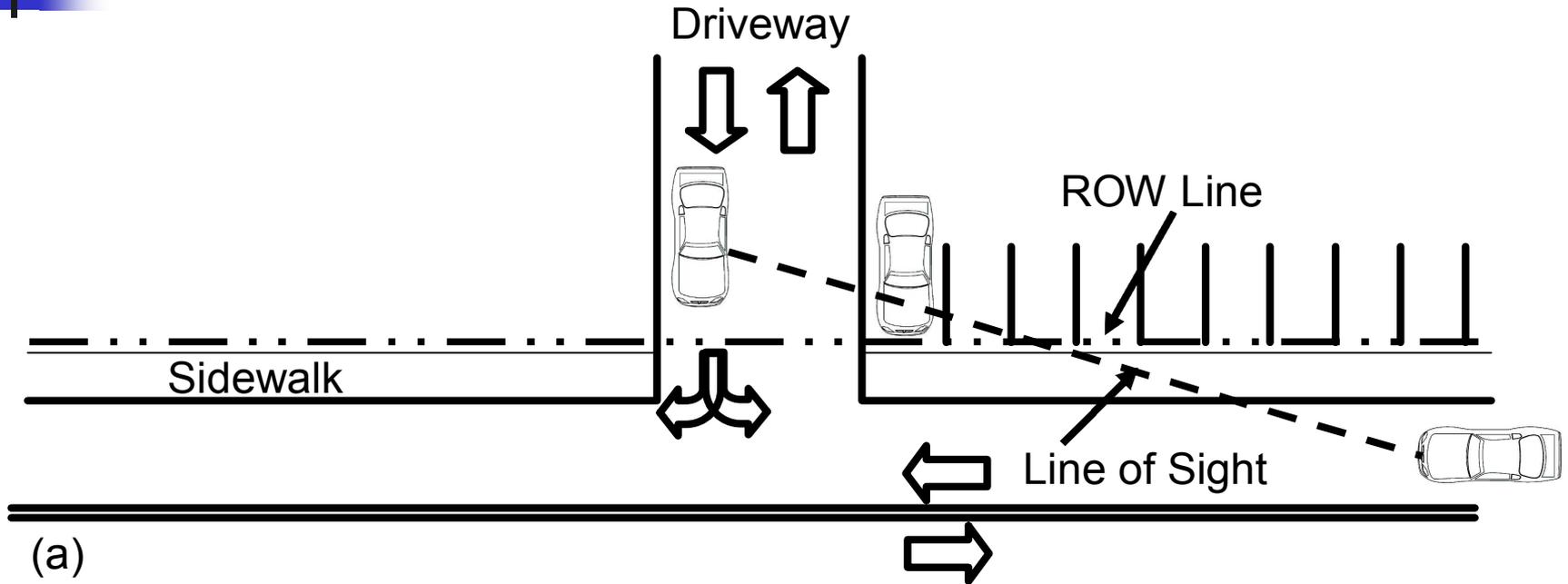
On-street Parking Obstruction



Landscaping Obstruction

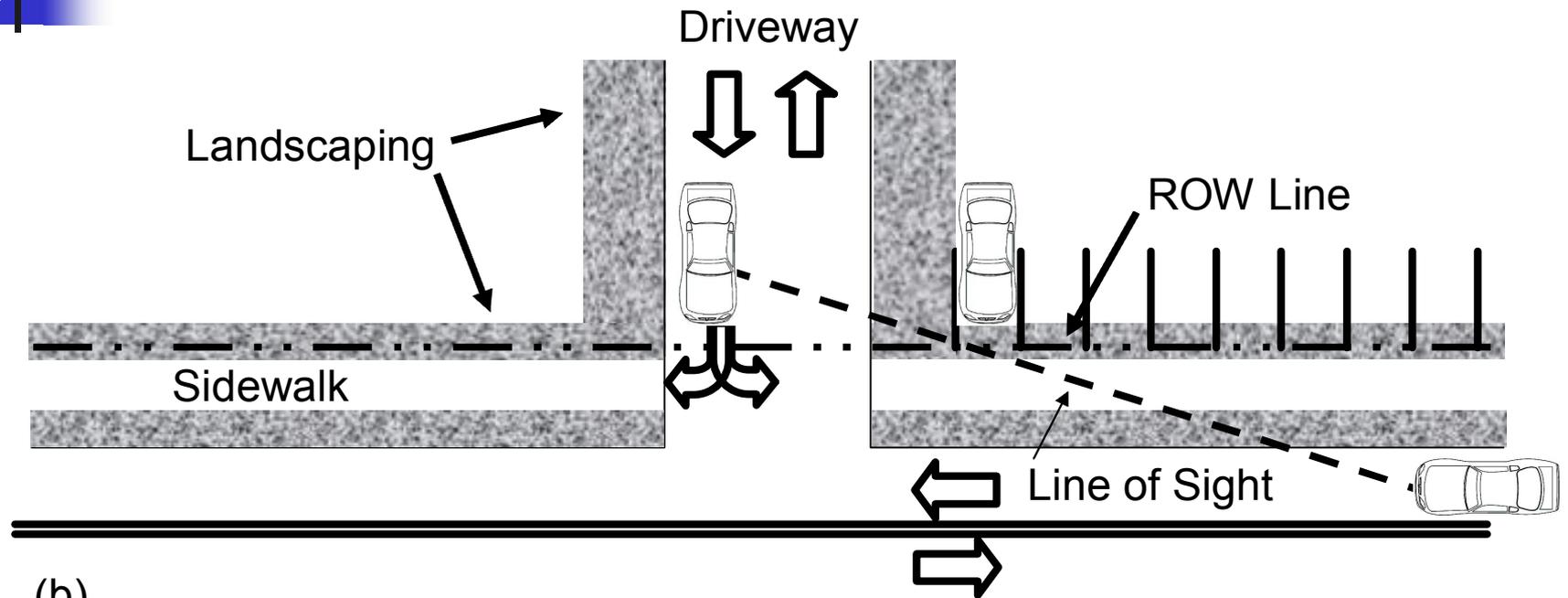


Close Proximity Parking (problem)



How do we fix this?

Close Proximity Parking (solution)



Intersection Sight Distance (left turn from roadway)

