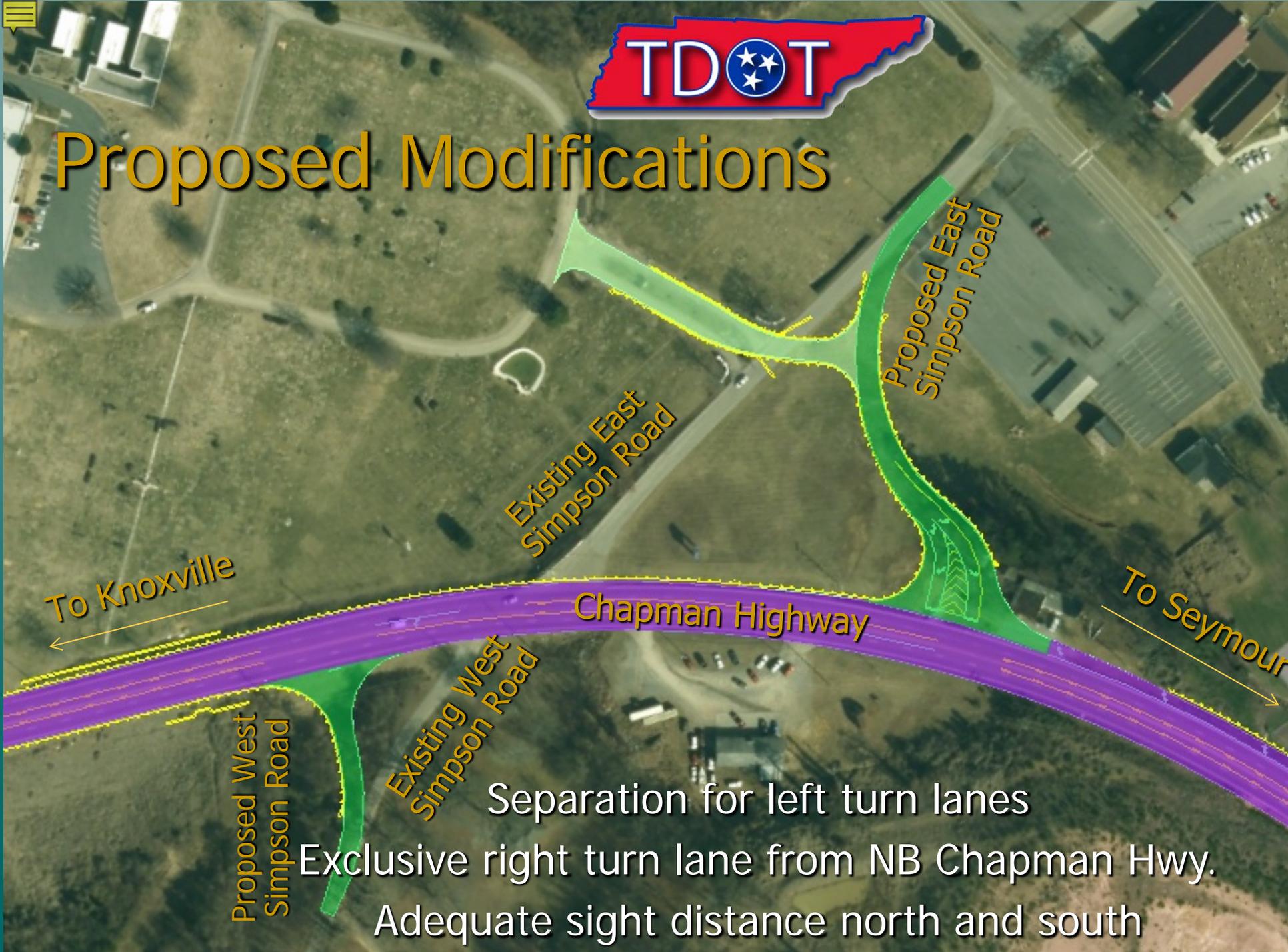


# Existing Condition vs. Proposed Design





# Proposed Modifications



To Knoxville  
←

To Seymour  
→

Existing East  
Simpson Road

Proposed East  
Simpson Road

Chapman Highway

Proposed West  
Simpson Road

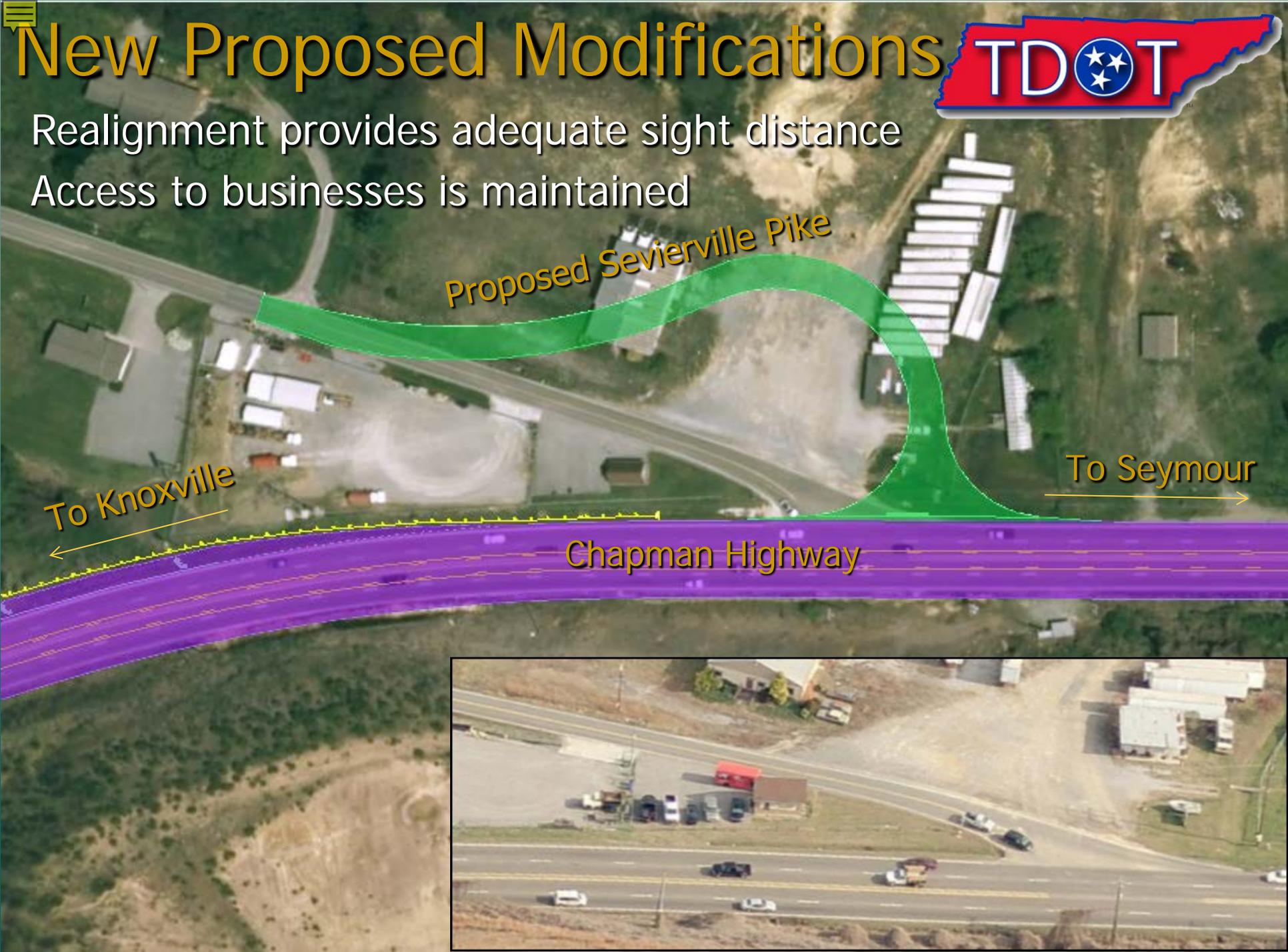
Existing West  
Simpson Road

Separation for left turn lanes  
Exclusive right turn lane from NB Chapman Hwy.  
Adequate sight distance north and south

# New Proposed Modifications



Realignment provides adequate sight distance  
Access to businesses is maintained



Proposed Sevierville Pike

To Knoxville

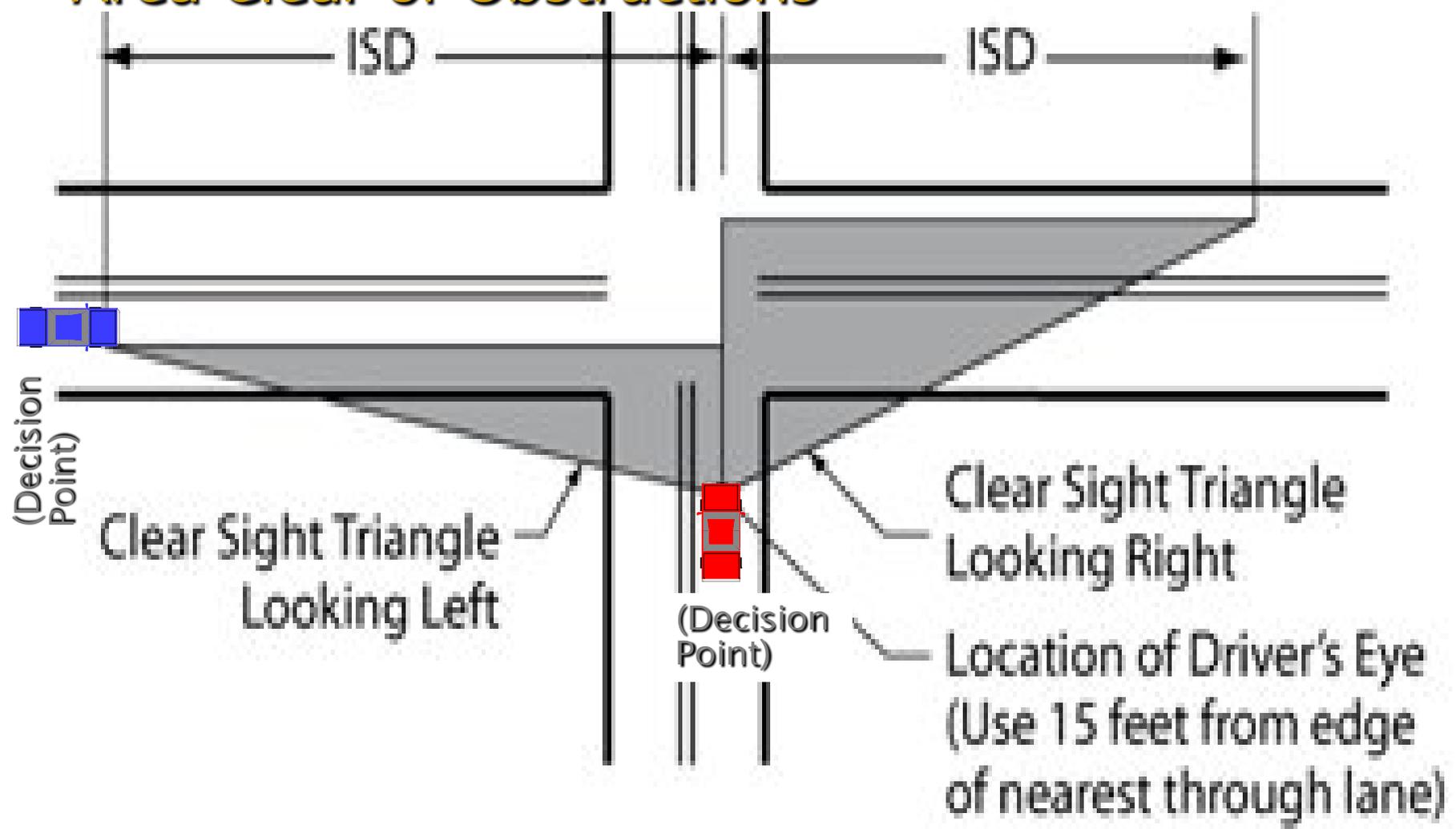
To Seymour

Chapman Highway

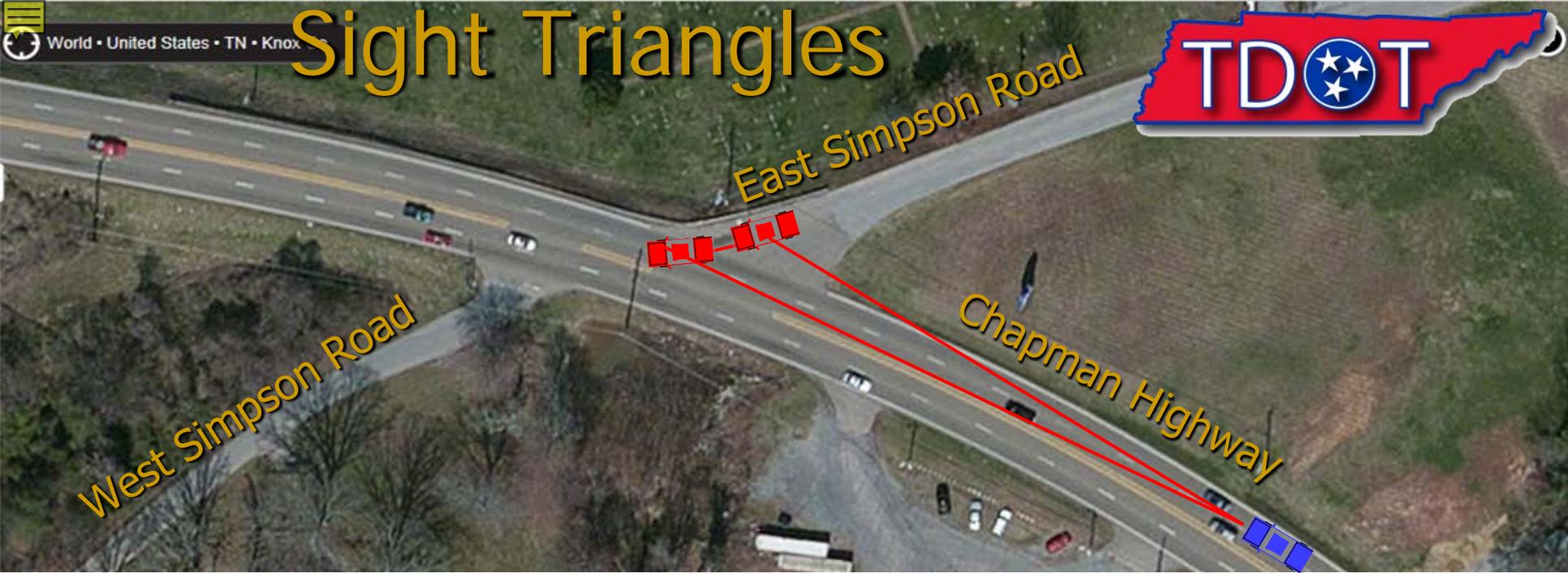


# Sight Triangles

## Area Clear of Obstructions



# Sight Triangles



East Simpson Road – Upgrade Approaching Chapman Hwy,  
Horizontal, Vertical Curves Create Line of Sight Problems

# Sight Triangles

W. SIMPSON RD

West Simpson Road

Has Fairly Steep Uphill Grade At Chapman Highway

Proposed West Simpson Will Be Higher



# Sight Triangles



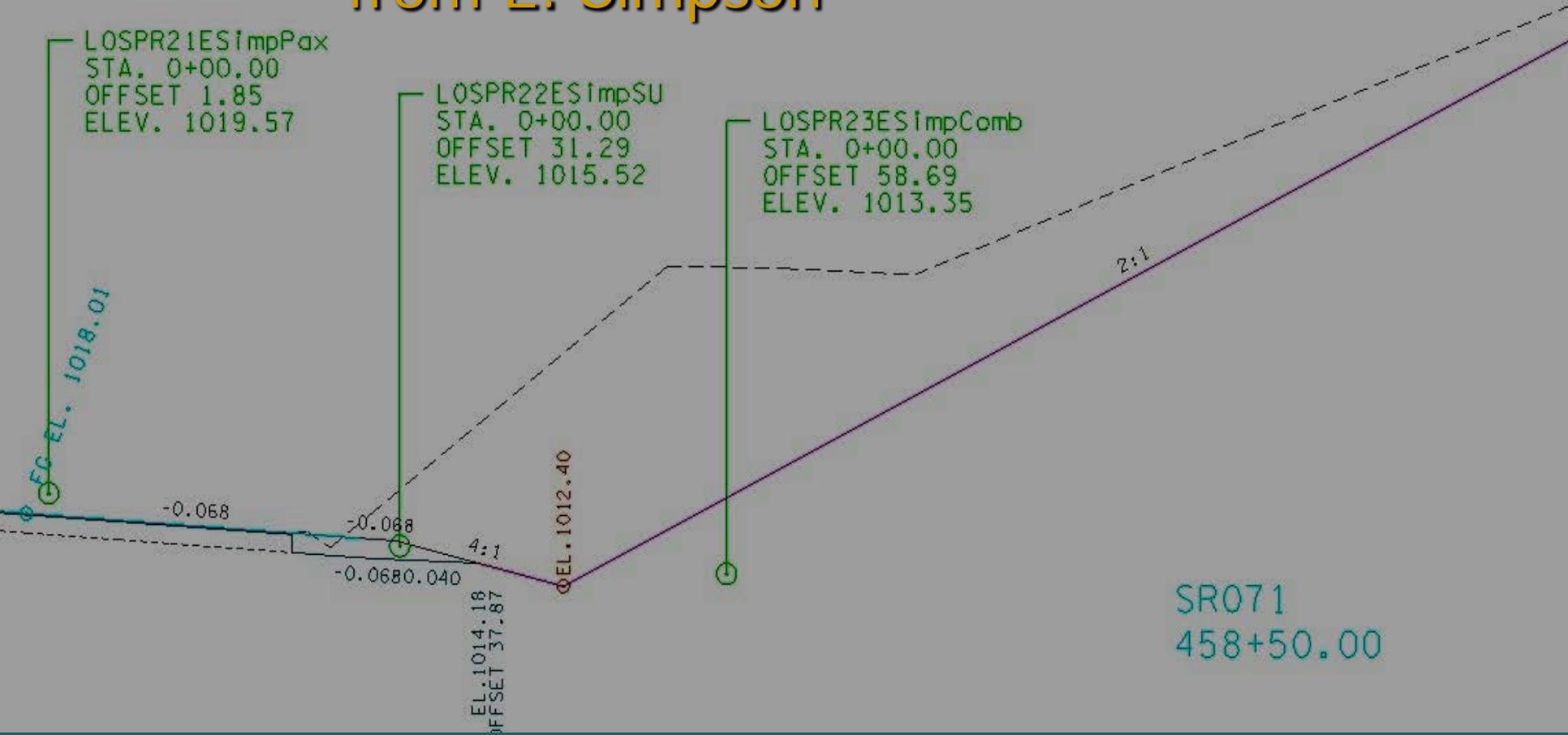
## West Simpson Road

Drivers need to see over the hump in road as well as around a curve.



# Sight Triangles

## Check for Horizontal Obstructions from E. Simpson



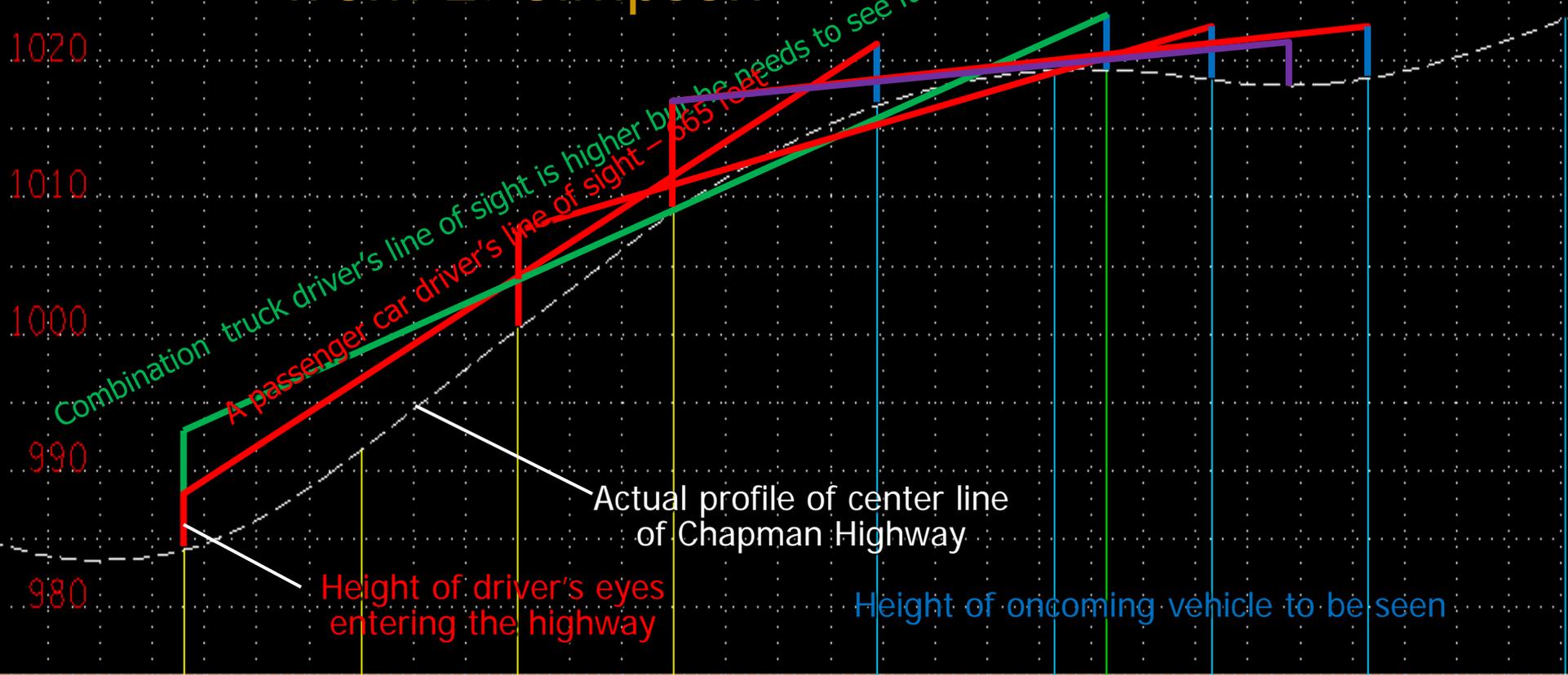
Line of Sight to the East from E. Simpson Road

Single Unit Truck Into Existing/Combination Truck into Proposed

# Sight Triangles



## Check for Vertical Obstructions – from E. Simpson



450+00 451+00 452+00 453+00 454+00 455+00 456+00 457+00 458+00 459+00 460+00 461+00 462+00 463+00 464+00

Existing E.  
E. Simpson

Try This  
New Location

Good New  
Location

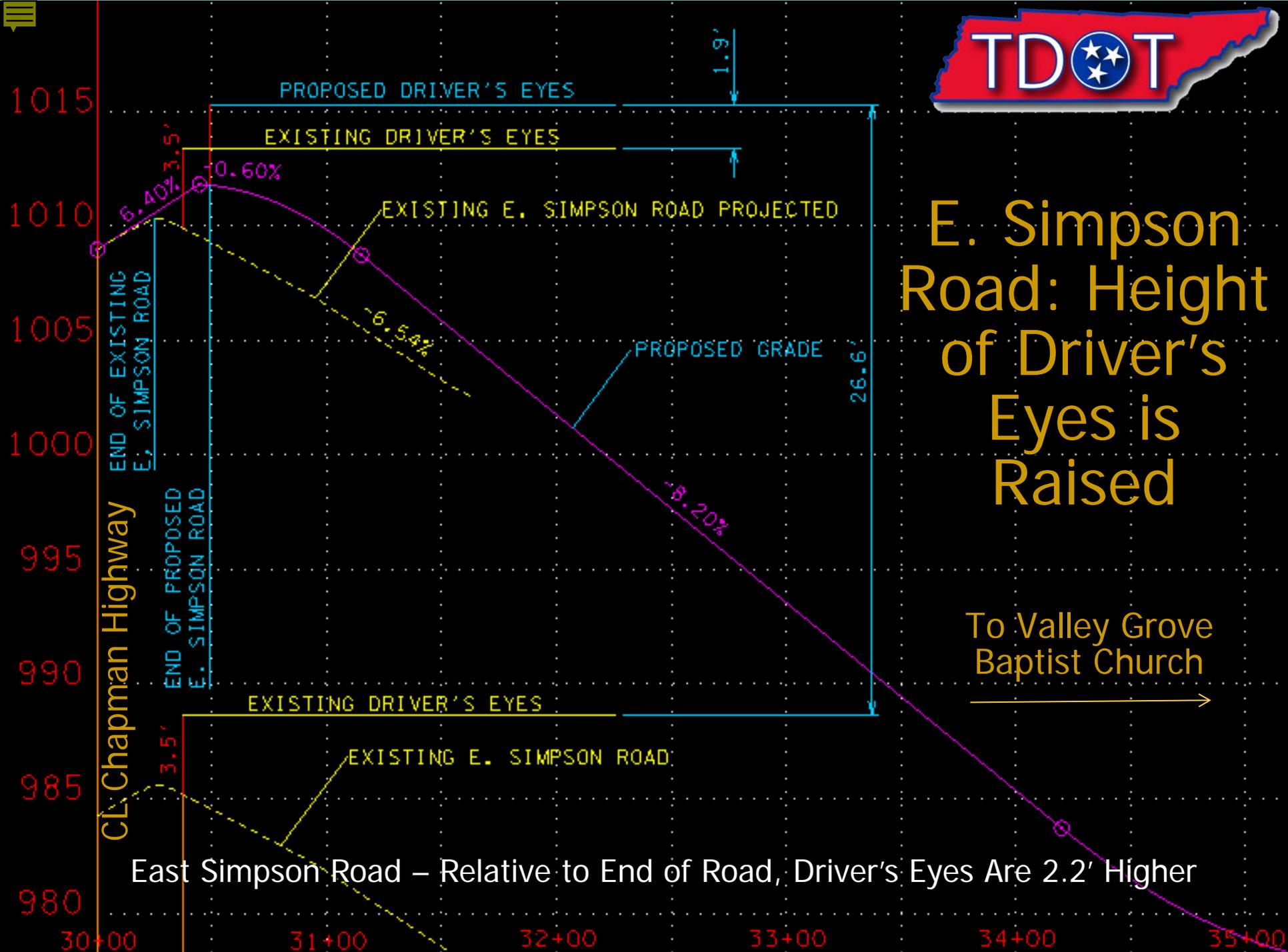
## East Simpson Road

Drivers need to see over the hump in road.



# E. Simpson Road: Height of Driver's Eyes is Raised

To Valley Grove Baptist Church



East Simpson Road – Relative to End of Road, Driver's Eyes Are 2.2' Higher

CL Chapman Highway

END OF EXISTING E. SIMPSON ROAD

END OF PROPOSED E. SIMPSON ROAD

PROPOSED DRIVER'S EYES

EXISTING DRIVER'S EYES

EXISTING E. SIMPSON ROAD PROJECTED

PROPOSED GRADE

EXISTING DRIVER'S EYES

EXISTING E. SIMPSON ROAD

30+00

31+00

32+00

33+00

34+00

35+00

# New Proposed Modifications



Insufficient Sight Distance for All Vehicles

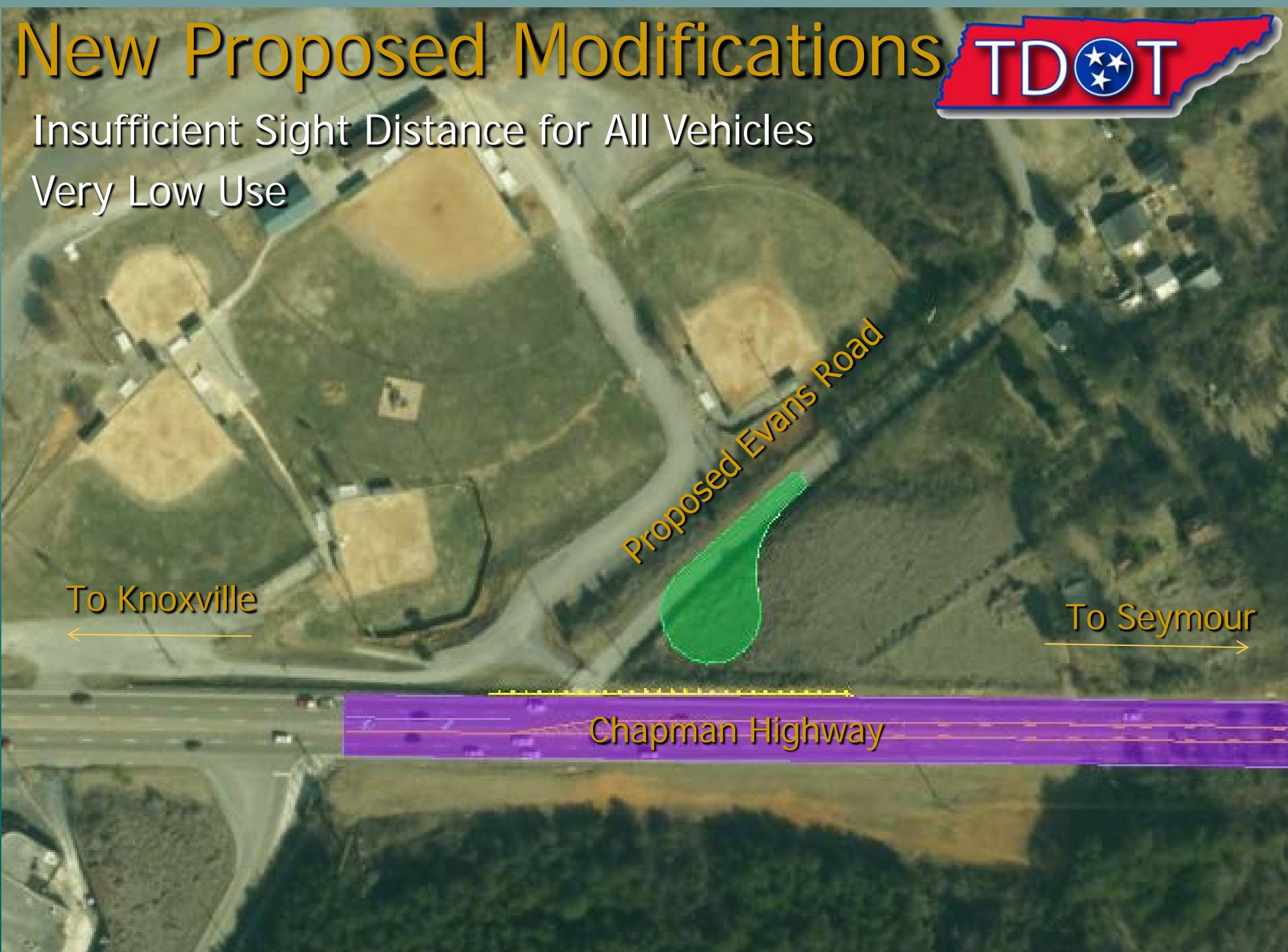
Very Low Use

Proposed Evans Road

To Knoxville

To Seymour

Chapman Highway





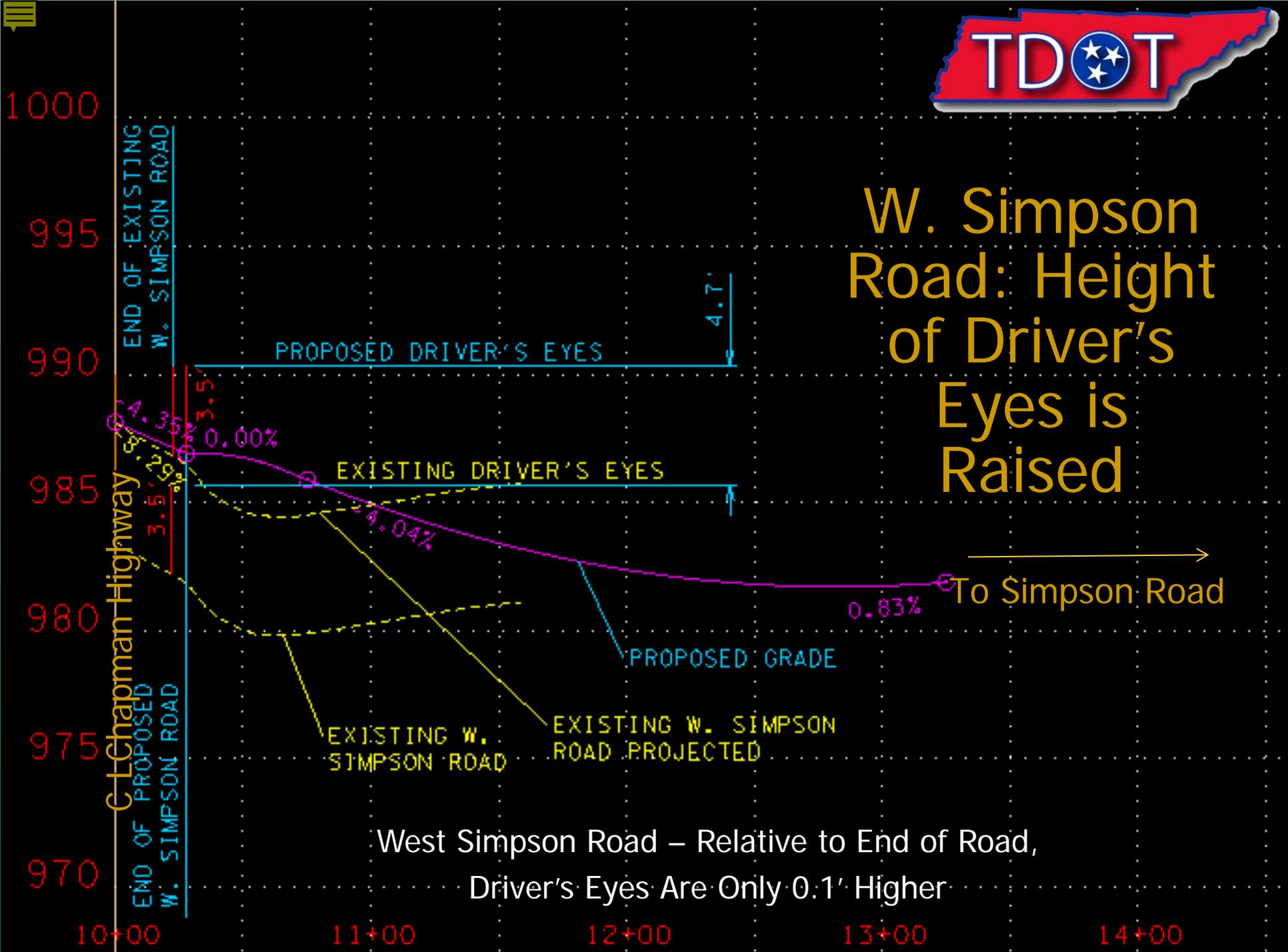
**BURNETT LANE**

**EVANS ROAD**





# W. Simpson Road: Height of Driver's Eyes is Raised



West Simpson Road – Relative to End of Road,  
Driver's Eyes Are Only 0.1' Higher

10+00 11+00 12+00 13+00 14+00



# Sight Triangles

## Evans Road

Has Fairly Steep Uphill Grade At Chapman Highway

A Passenger Car Driver Cannot See Far Enough