

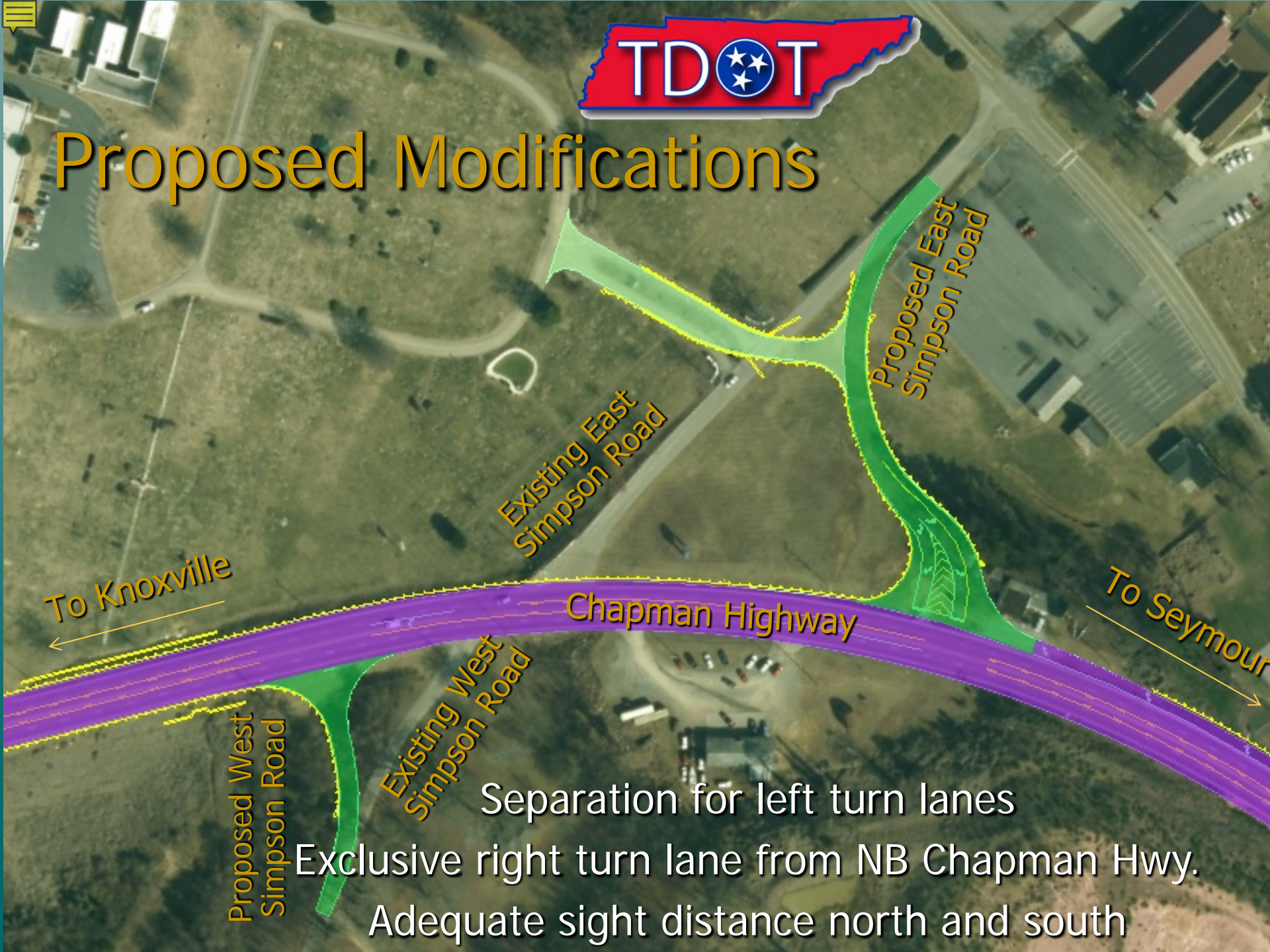


Existing Condition vs. Proposed Design





Proposed Modifications



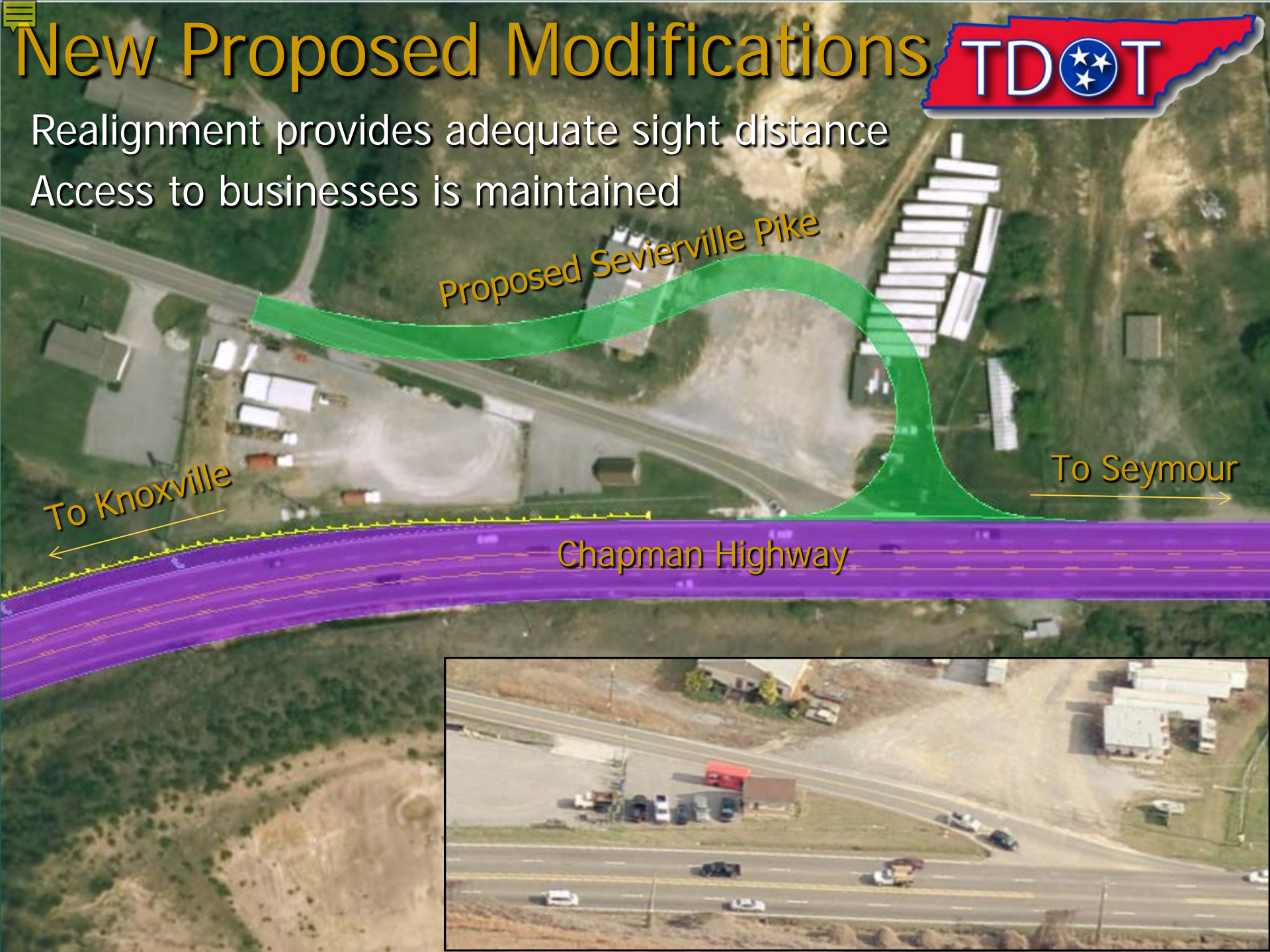
Separation for left turn lanes
Exclusive right turn lane from NB Chapman Hwy.
Adequate sight distance north and south

New Proposed Modifications



Realignment provides adequate sight distance

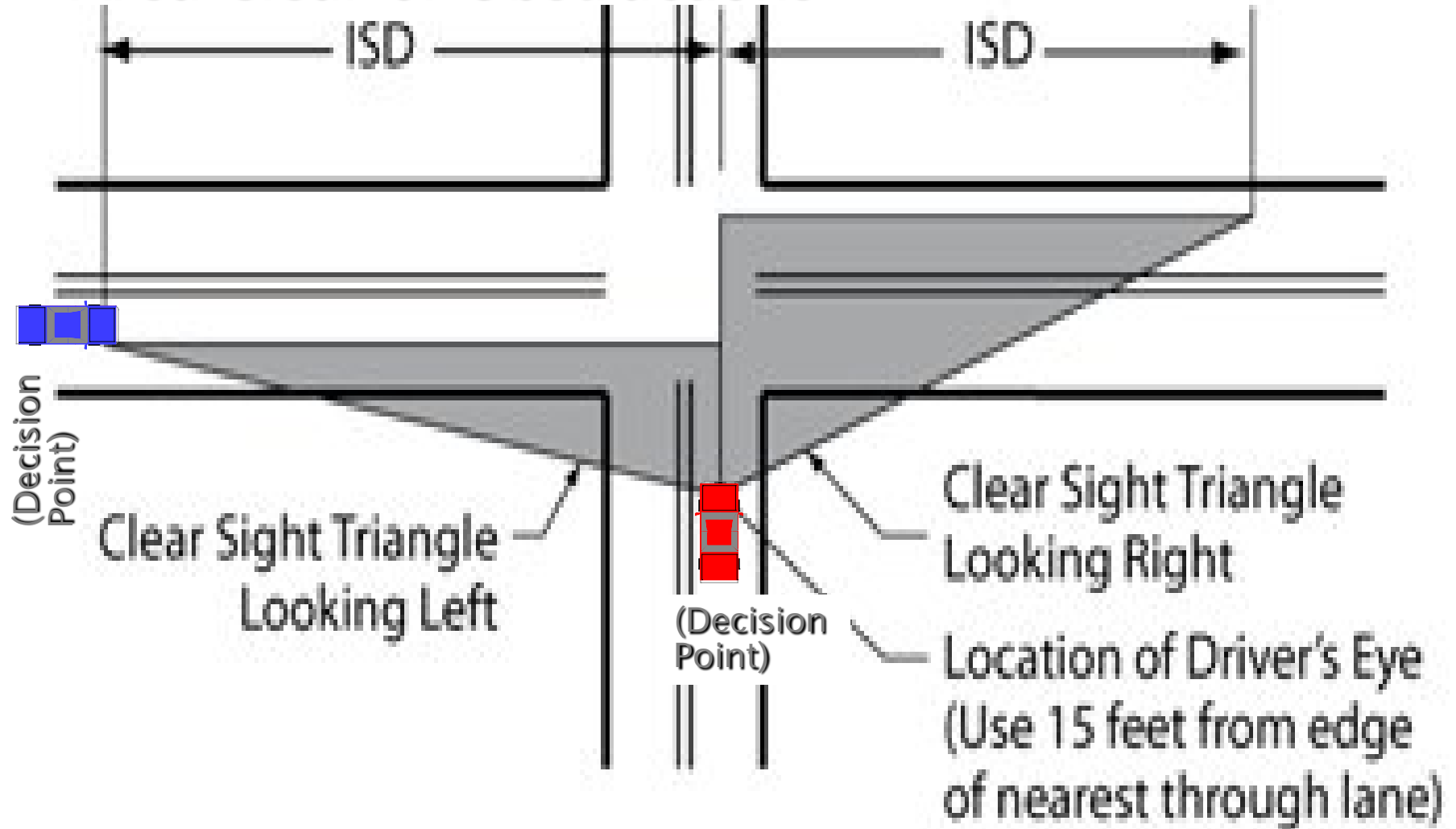
Access to businesses is maintained

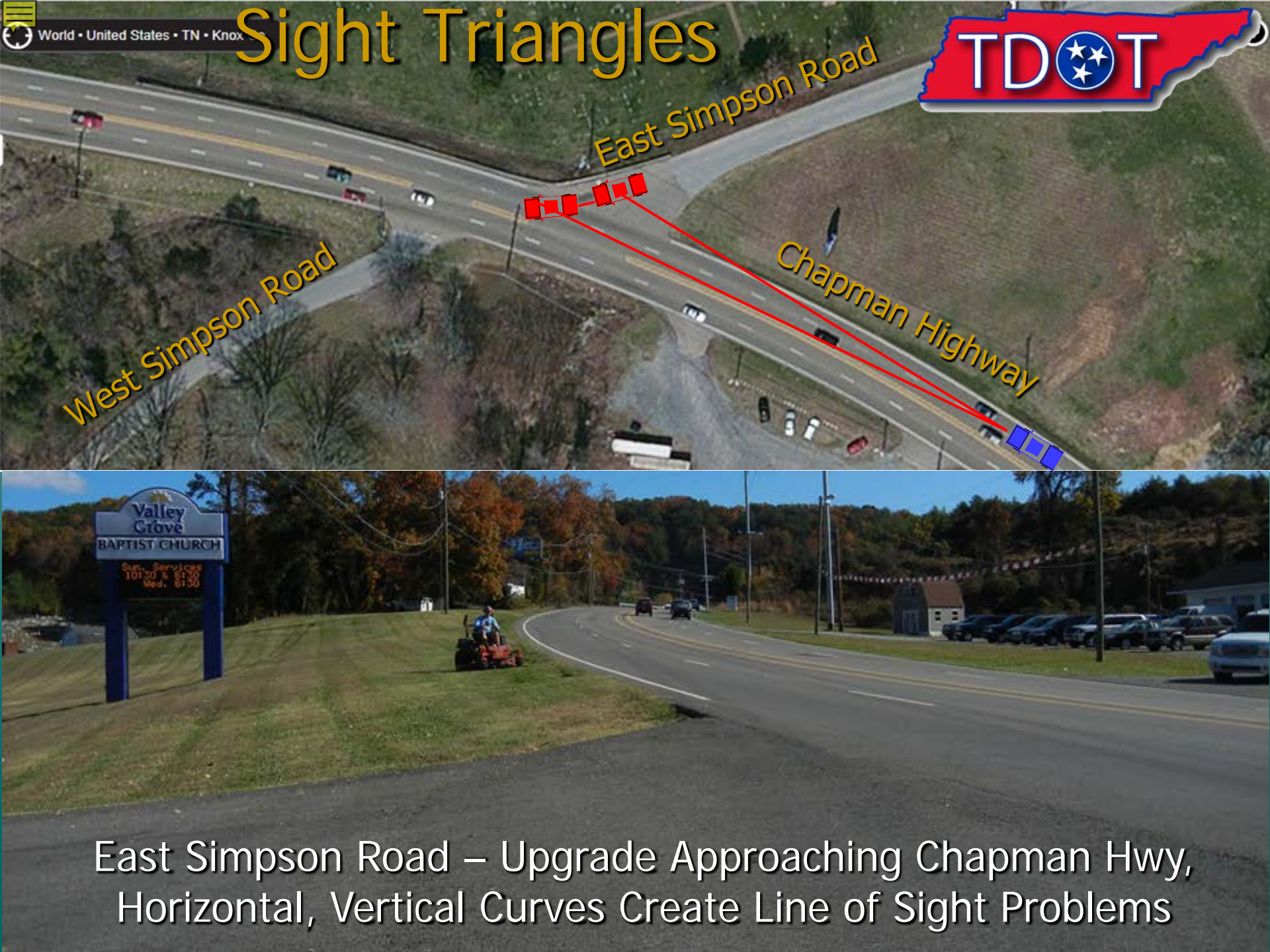




Sight Triangles

Area Clear of Obstructions





Sight Triangles



West Simpson Road

East Simpson Road

Chapman Highway



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



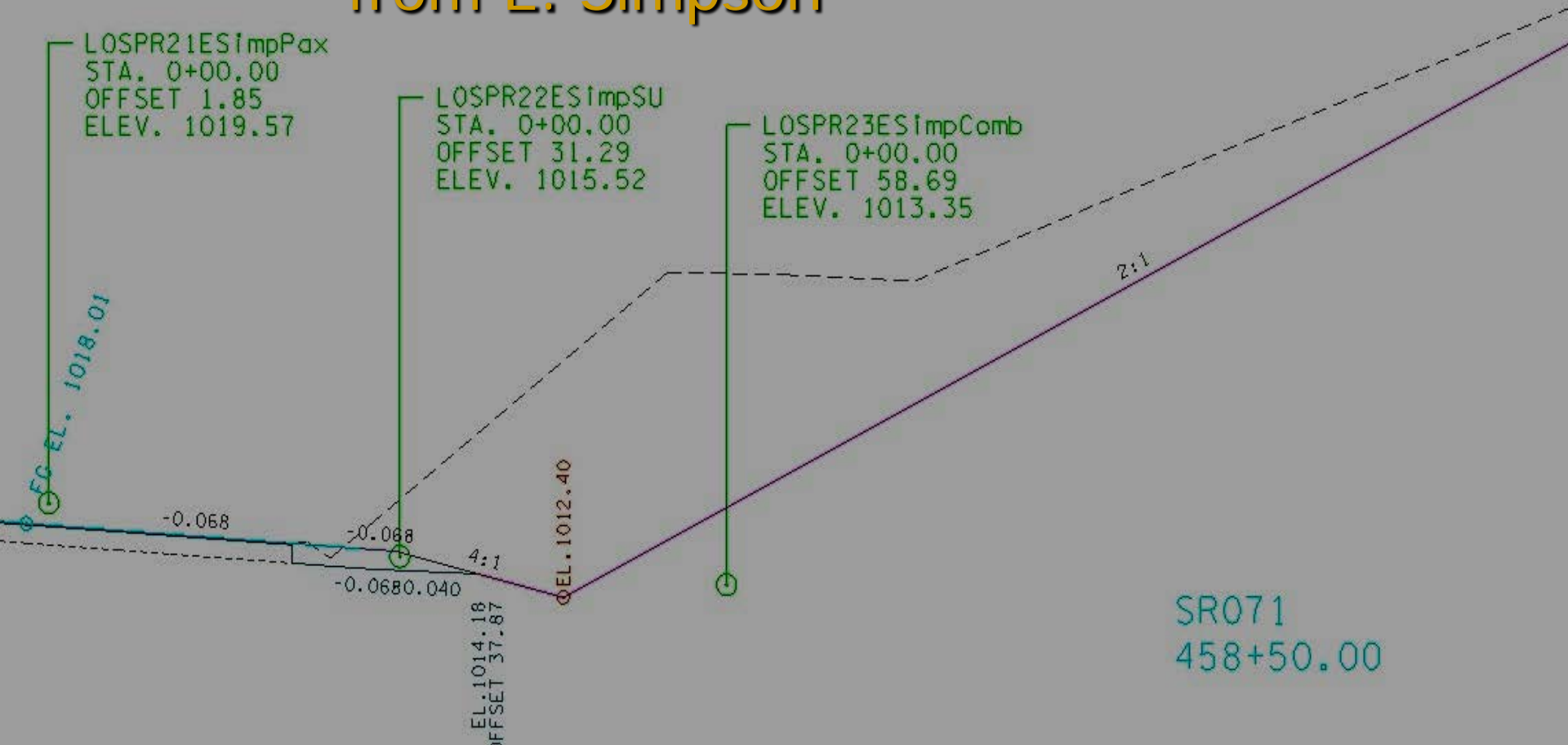
West Simpson Road

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



Sight Triangles

Check for Horizontal Obstructions from E. Simpson



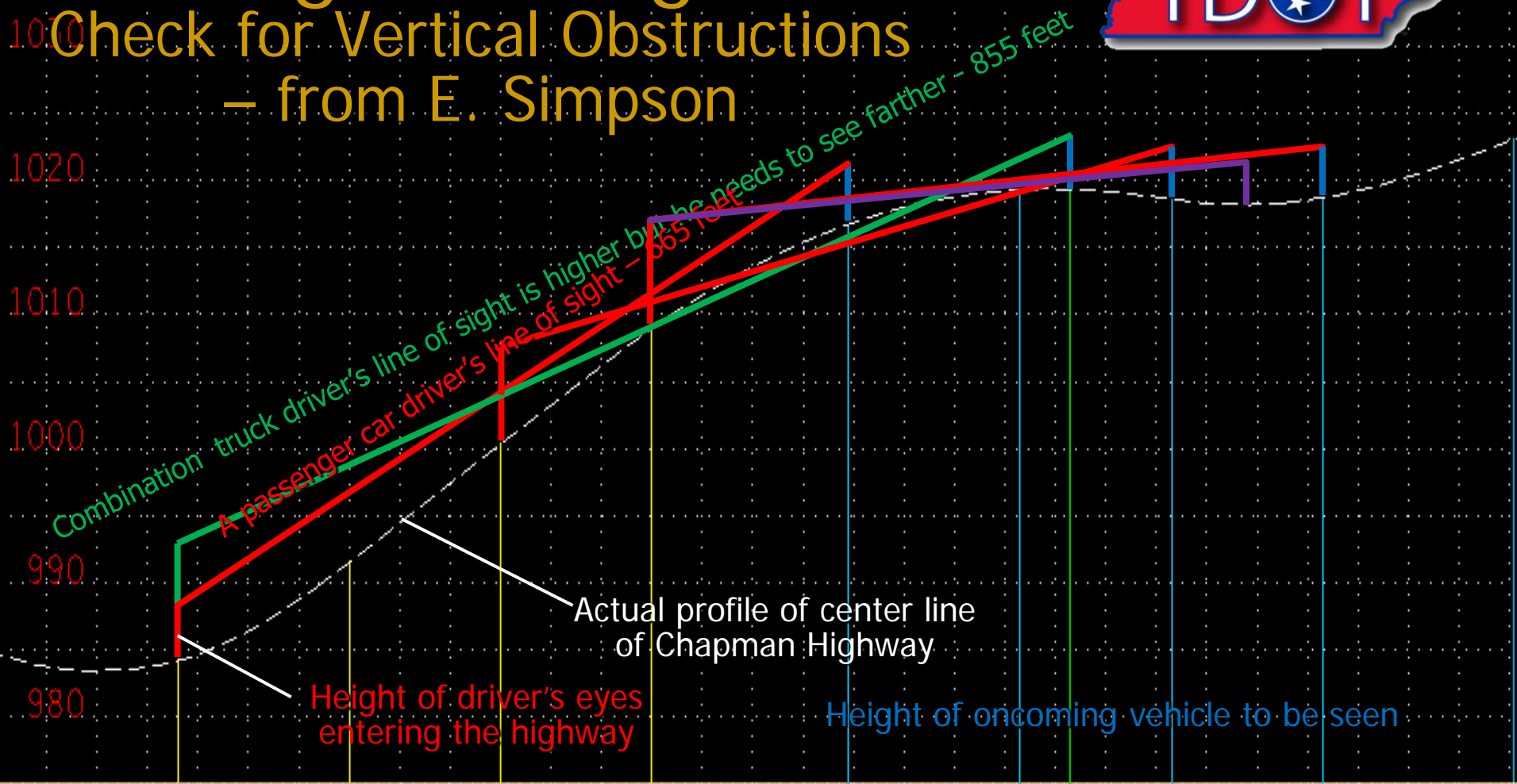
Line of Sight to the East from E. Simpson Road
Single Unit Truck Into Existing/Combination Truck into Proposed



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

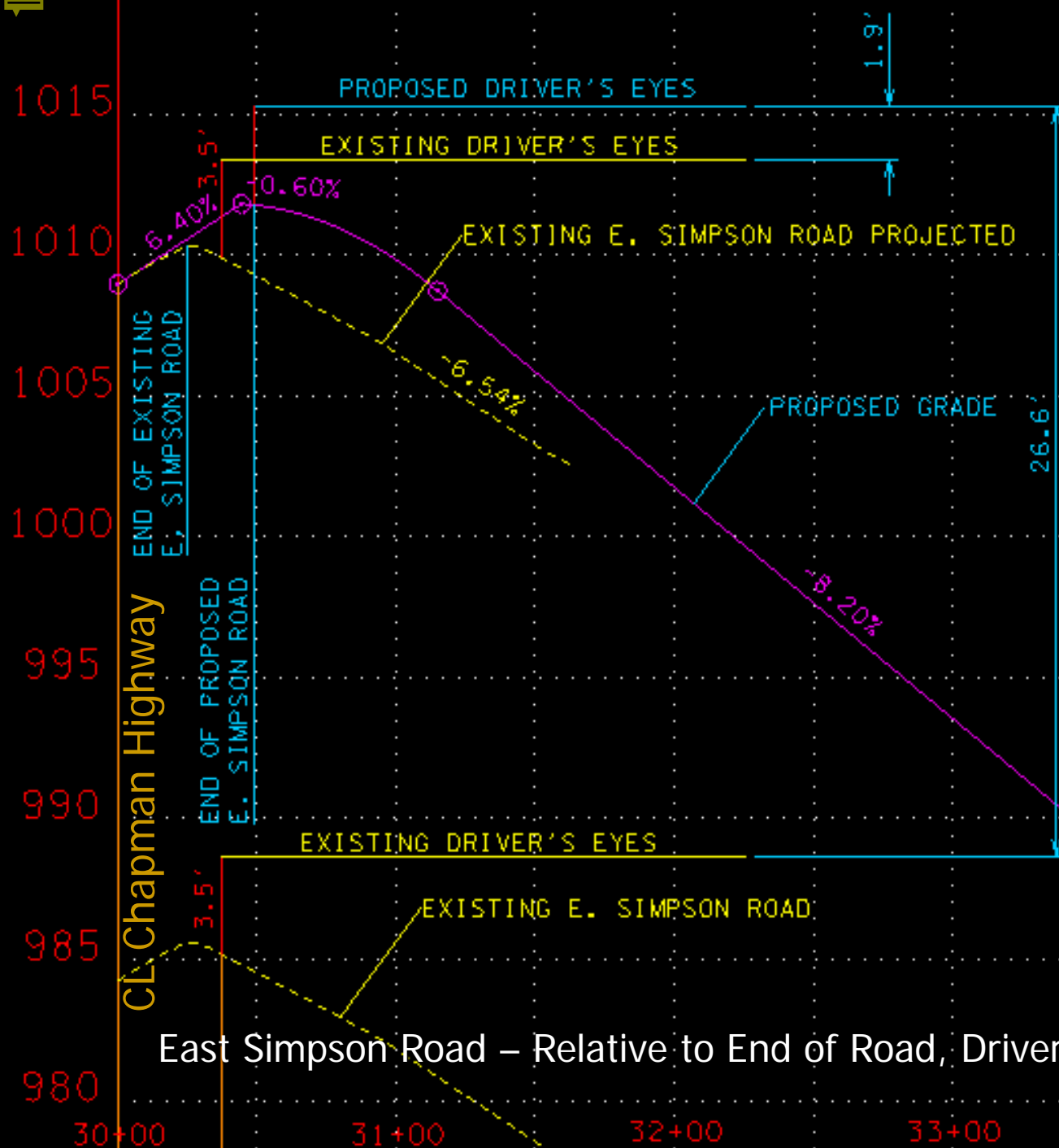
Existing E.
E. Simpson

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

New Proposed Modifications



Insufficient Sight Distance for All Vehicles

Very Low Use

Proposed Evans Road

To Knoxville

To Seymour

Chapman Highway



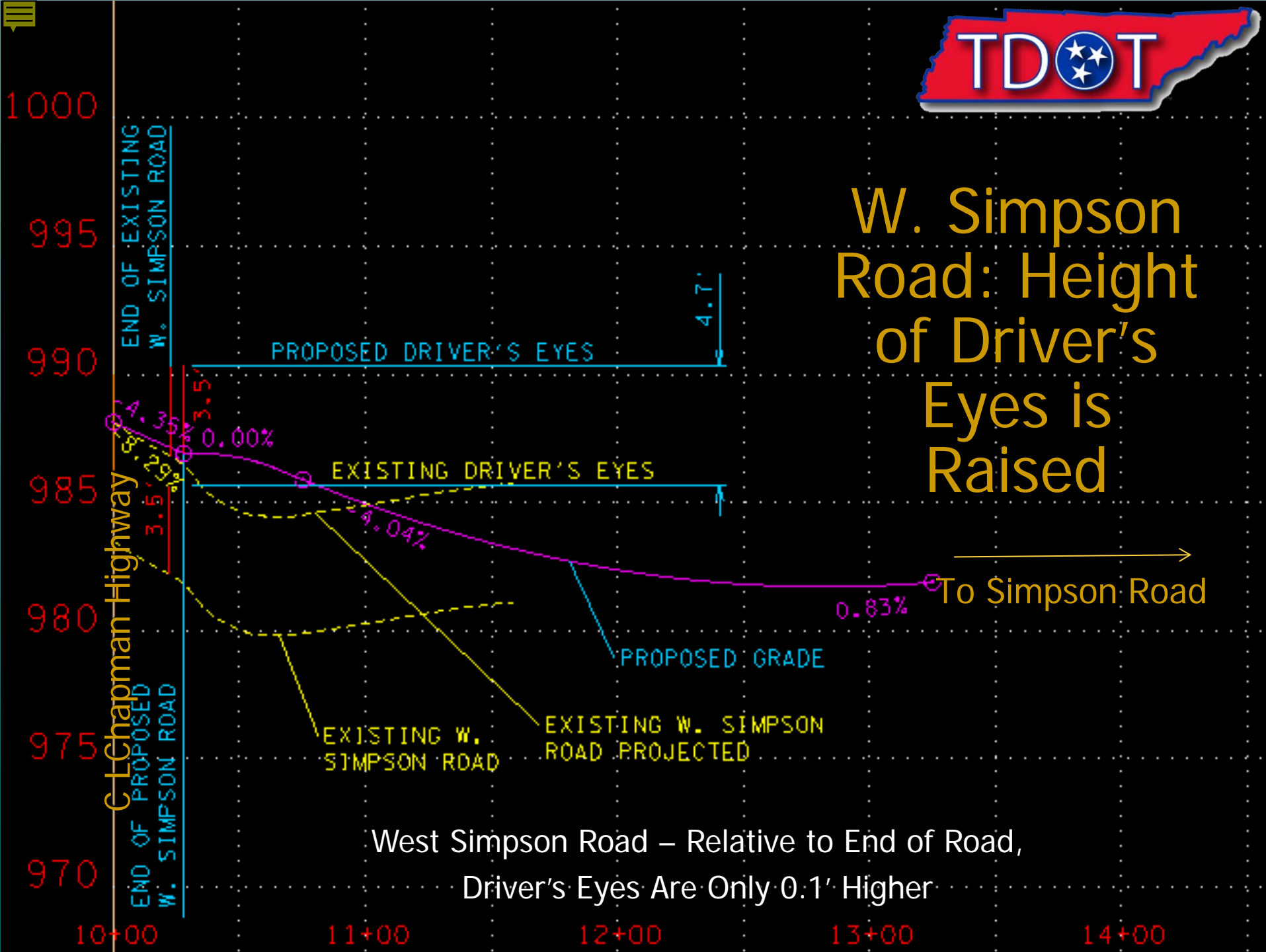
BURNETT LANE

EVANS ROAD





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





Sight Triangles

Evans Road

Has Fairly Steep Uphill Grade At Chapman Highway

A Passenger Car Driver Cannot See Far Enough