

North Central Texas  
Council of Governments

# LOCAL CASE STUDY

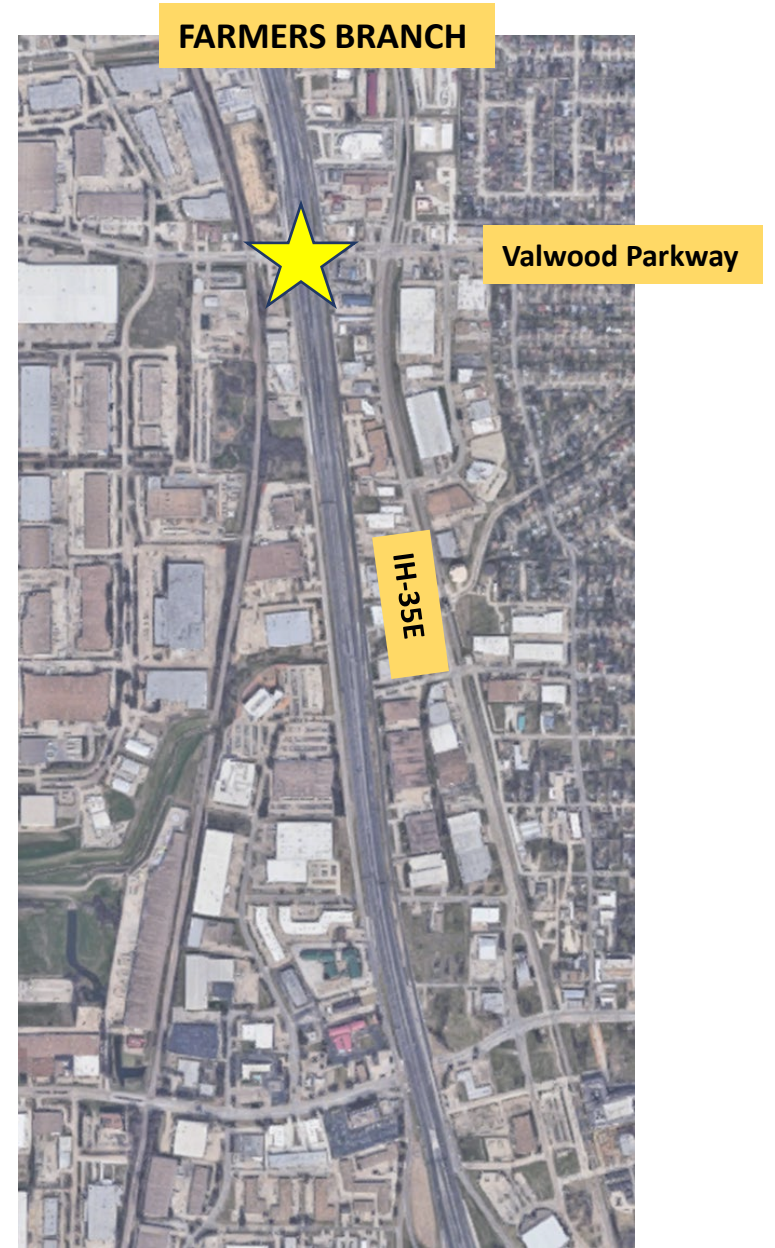
## DESIGNING FOR PEDESTRIAN SAFETY 201



NOVEMBER 10-11, 2020

# CASE STUDY: CROSSING AT IH-35E

## Valwood Parkway





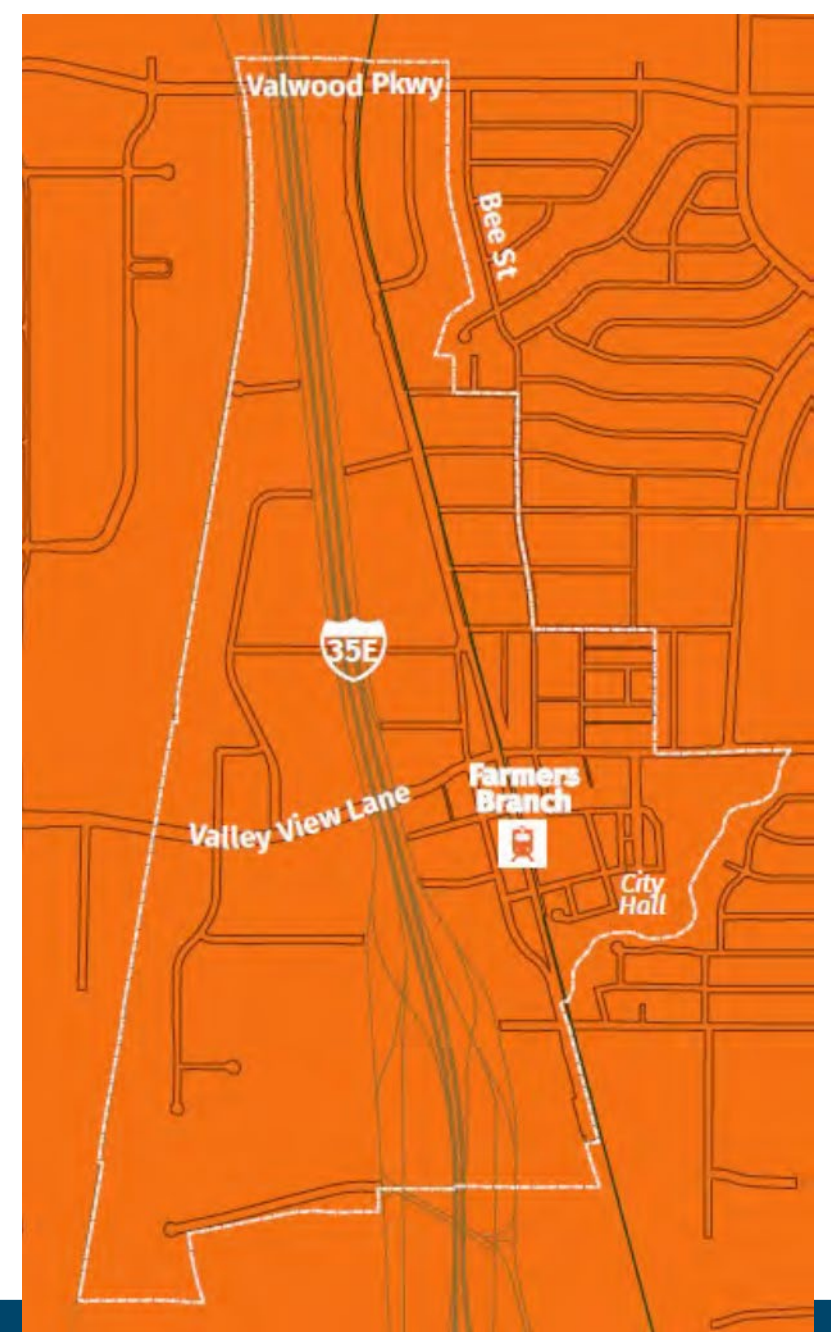
# CURRENT CONDITIONS

- IH-35E is a barrier to east/west pedestrian travel
- Unwelcoming and limited accommodations for pedestrians
- History of reported pedestrian crashes nearby



# IH-35E CORRIDOR VISION STUDY

- Study is currently underway
- 20-year land use vision for the corridor
- City vision for improved walking and bicycling connections between land uses on both sides of the highway (safety, level of comfort, aesthetics)







## Valwood Parkway and IH-35E (west entrance)

- How does this pedestrian facility make you feel?
- Does this look like a crossing that you would be comfortable using?
- Would you be comfortable allowing your children use this crossing?







Valwood Parkway and IH-35E (east entrance)

- How would using this pedestrian facility make you feel?
- Would you or your family feel comfortable?
- Would you be comfortable allowing your child, elderly parent, or special needs relative use this crossing by themselves?



## Valwood Parkway and IH-35E

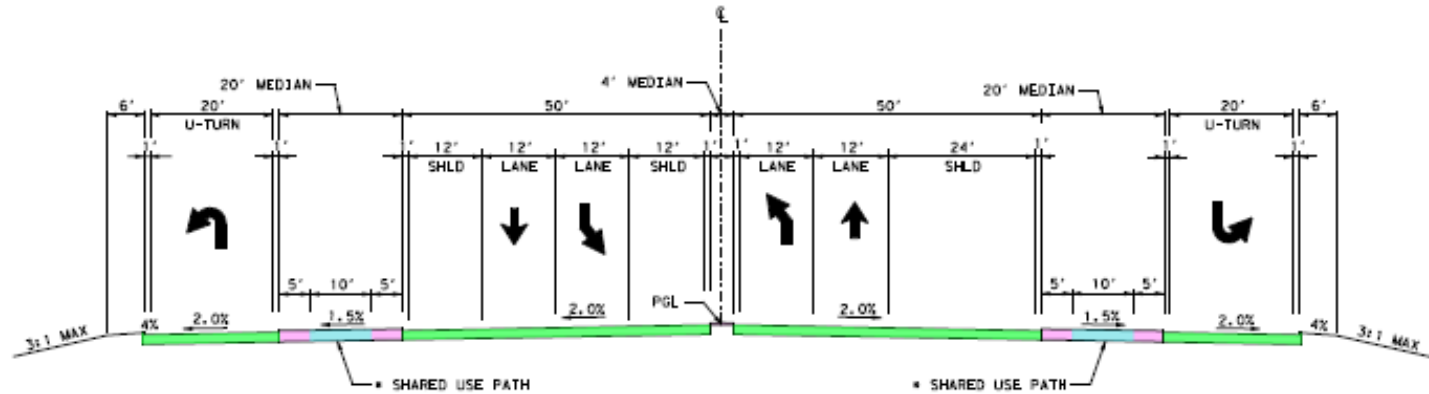
- What is your level of comfort through this crossing as a pedestrian?
- How about during the evening?



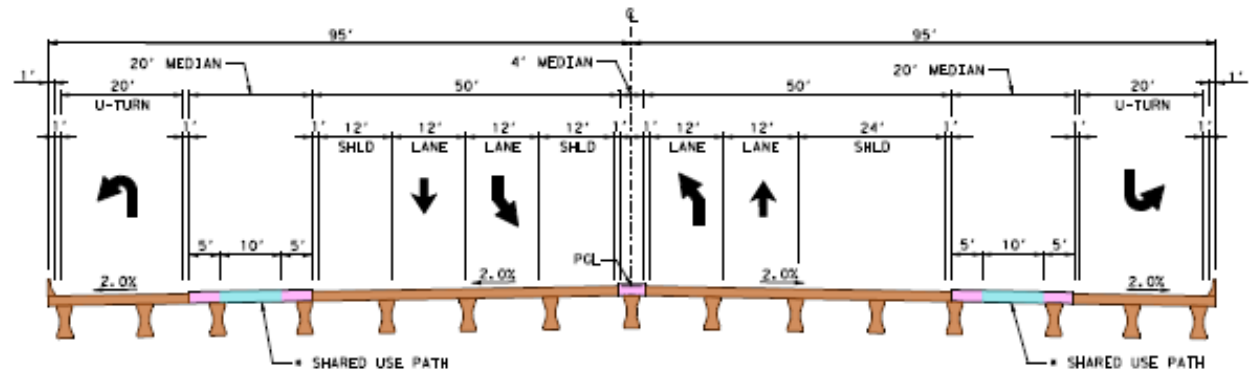


# CROSS SECTION WITH SIMILAR DESIGN

- Old Denton Road
- Pedestrian facilities between U-turn and 4-6 lanes
- Cross section shows a shared-use path with no raised barriers between the adjacent U-Turns and vehicle lanes: Is this comfortable for pedestrians?



OLD DENTON ROAD  
CL OLDDEN STA 97+54.91 TO STA 98+65.00  
CL OLDDEN STA 101+35.00 TO STA 102+61.32  
NOT TO SCALE

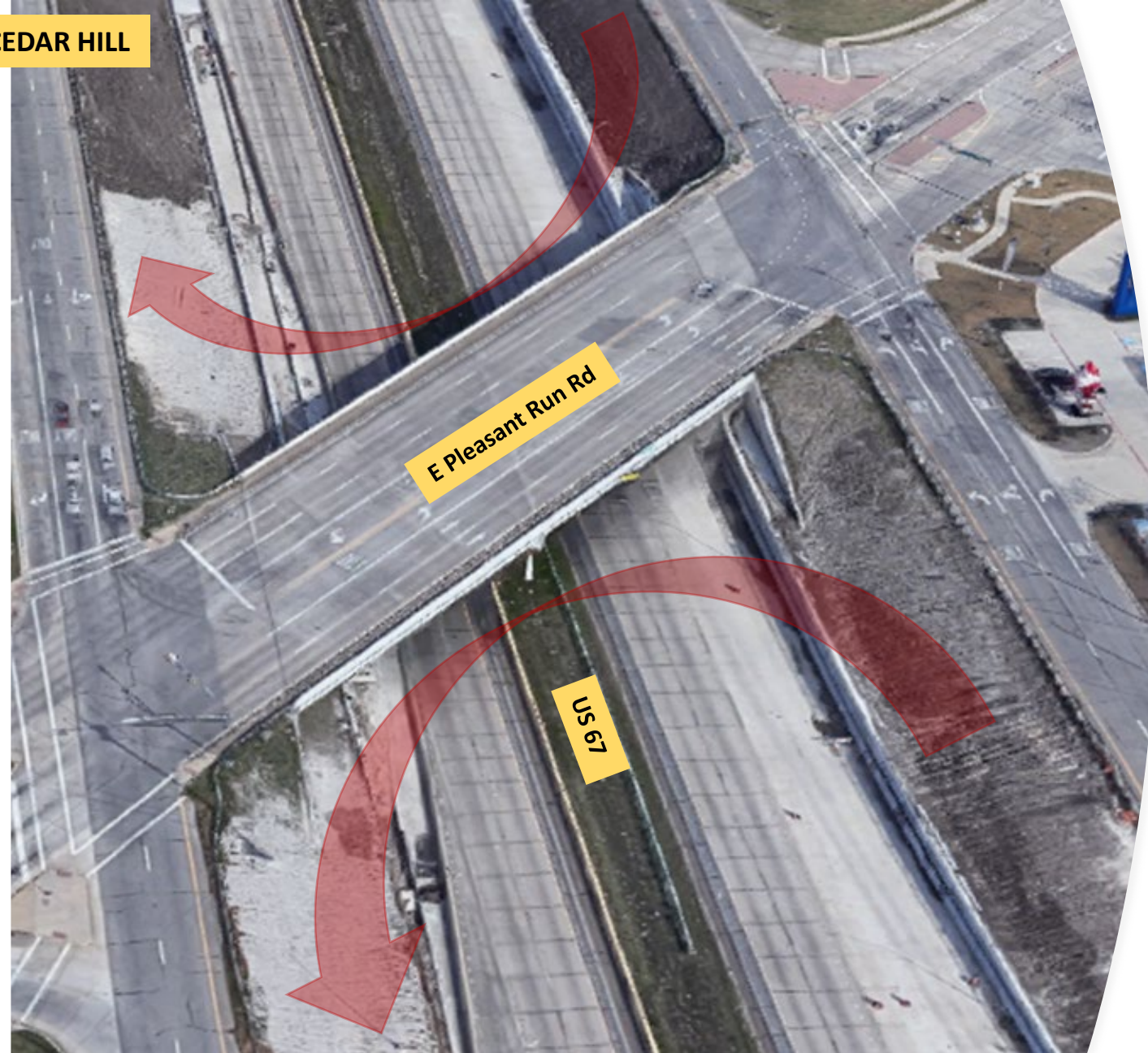


OLD DENTON ROAD  
CL OLDDEN STA 98+65.00 TO STA 101+35.00  
NOT TO SCALE



# CASE STUDY: OVERPASS CROSSING AT US 67

E Pleasant Run Rd  
at US 67 in Cedar Hill







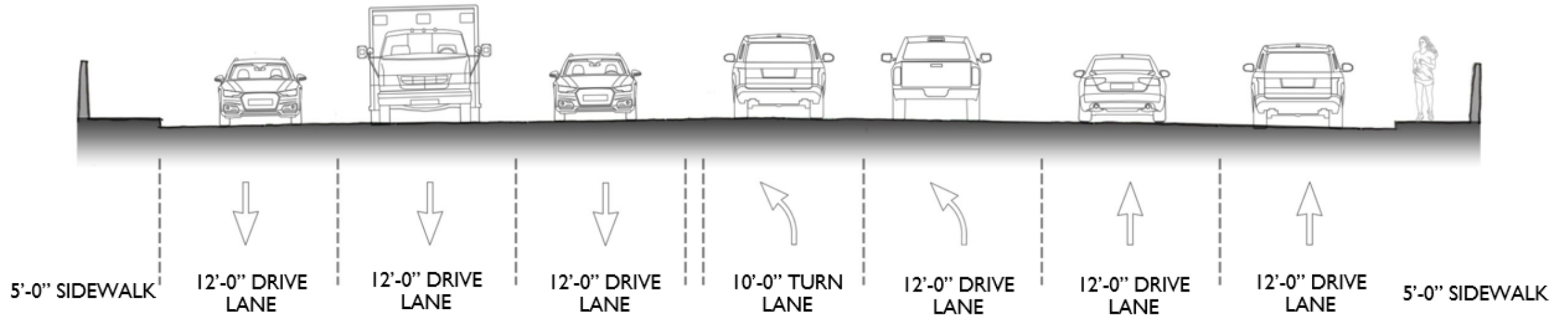
## E Pleasant Run Rd bridge over US 67

- Assume a new roadway bridge is being designed for construction, with or without the addition of Texas U-Turns.
- How could a new bridge provide a more **comfortable** and safe crossing for pedestrians?





# CROSS SECTION: CEDAR HILL US 67 CROSSING



EXISTING CONDITIONS



# DISCUSSION

- What design solutions and accommodations can be implemented at highway crossings that would increase the level of comfort and safety for pedestrians, and their desirability to use the facility?
- What accommodations should be provided on bridges for pedestrians to feel safe and comfortable next to high-speed traffic?
- What is a desirable setback of the sidewalk from the roadway curb so pedestrians will feel safe and comfortable in these environments with high vehicle speeds and volumes?
- Does satisfying the “minimum” design requirements result in an acceptable level of comfort and safety for pedestrians?



# Contact

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