# Context Sensitive Design -Medians-

## 7<sup>th</sup> National Access Management Conference August 15, 2006

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Creating connections to the future

#### **Context Sensitive Design - Medians**

Figuring out how to blend

- Design requirements
- -Needs of property owners
- -Safety
- -Vision of the governing agency

-Aesthetics



Key Stakeholders

 East Liberty Park Neighborhood Assoc
 Salt Lake City Staff
 UDOT

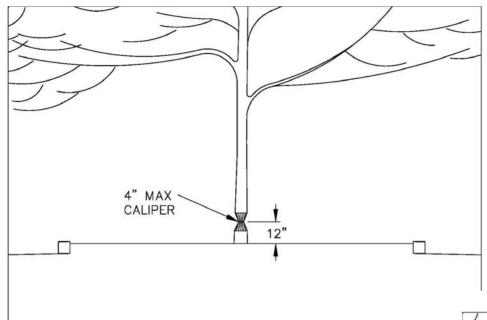
Main issue was design & look of median

Landscaped Median
Large trees/shrubs
Tall canopy
Create tunnel effect
Low maintenance
Salt & brine tolerant
Provides sight distance



#### Design

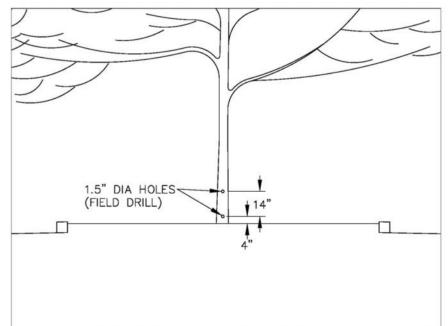
- -Median type
  - 2002 edition AASHTO Roadside Design Guide eliminated definition of "Barrier Curb"
  - Could no longer use the standard 6" or 7" curb for medians with fixed objects (trees)
  - Any fixed objects in areas that were avoidable had to be outside of the clear zone
  - NCHRP 350 TL II Compliant (45 mph facility)







 Tree details w/breakaway
base

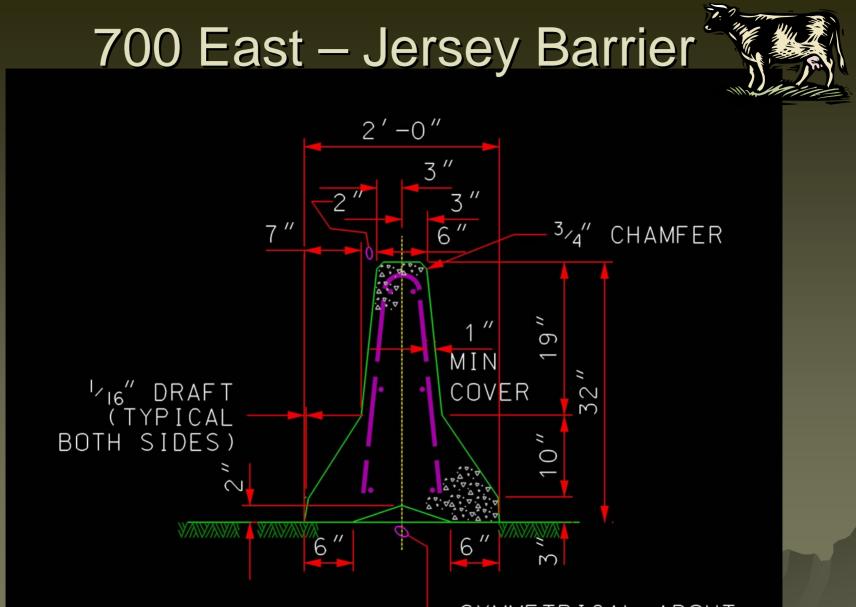


## Barrier Design Options – New Jersey shape (32" tall)



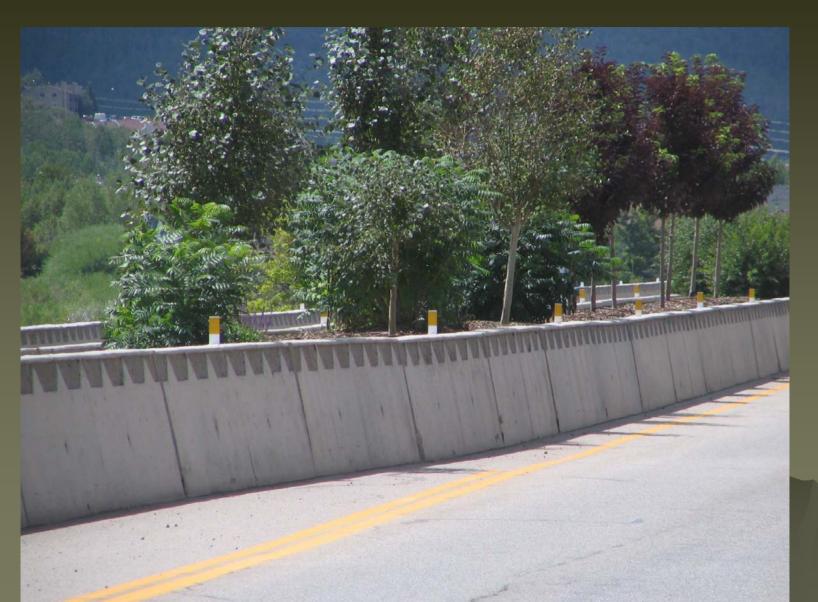
-TTI Low Profile (20" tall)

- FDOT Low Profile (18" tall)



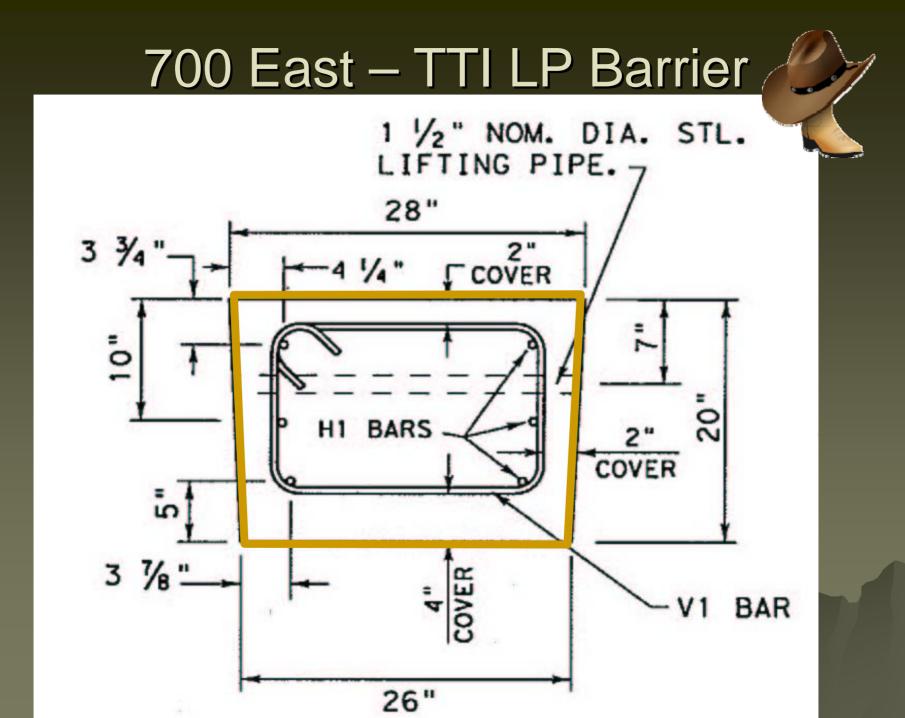
SYMMETRICAL ABOUT CONCRETE BARRIER

#### SR-248 – Barrier

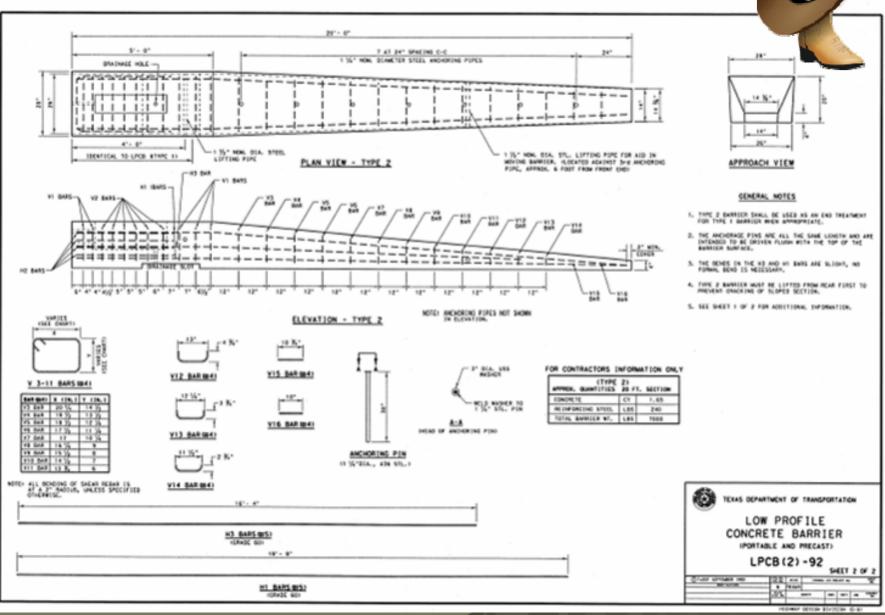


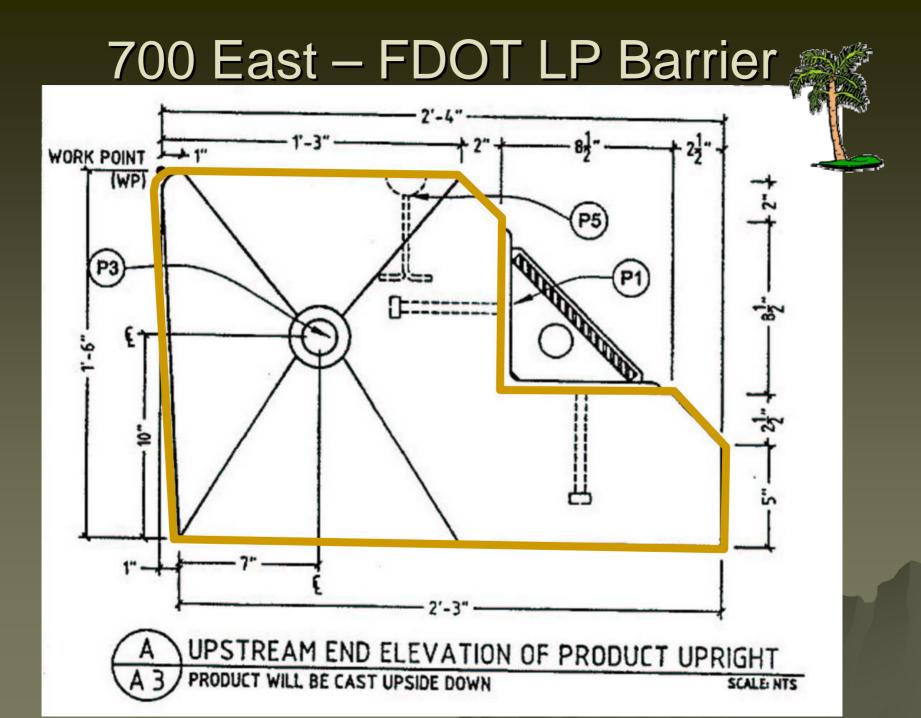
## SR-248 – Barrier

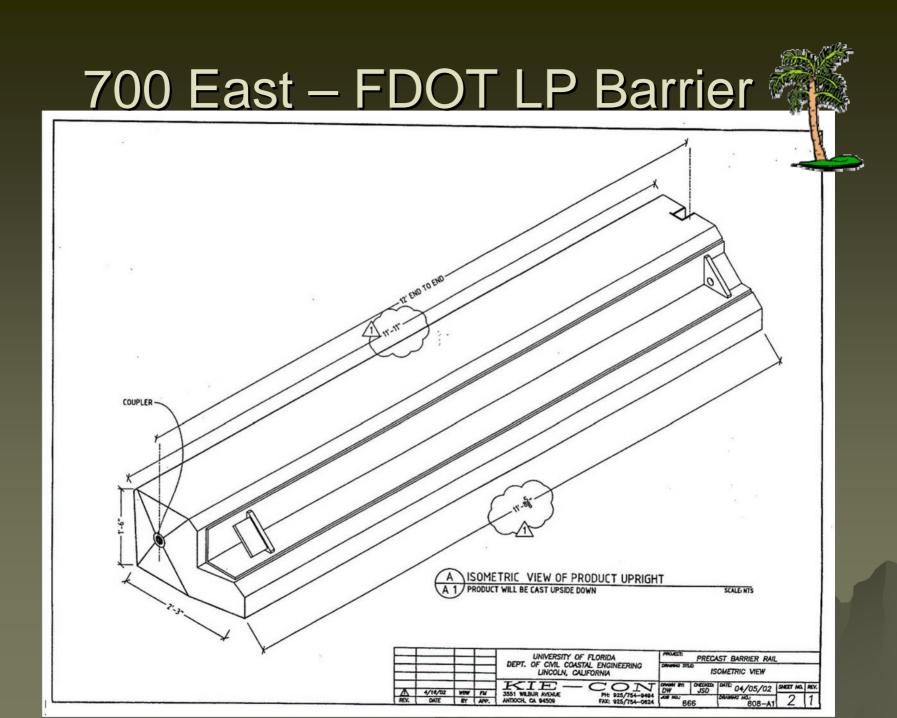


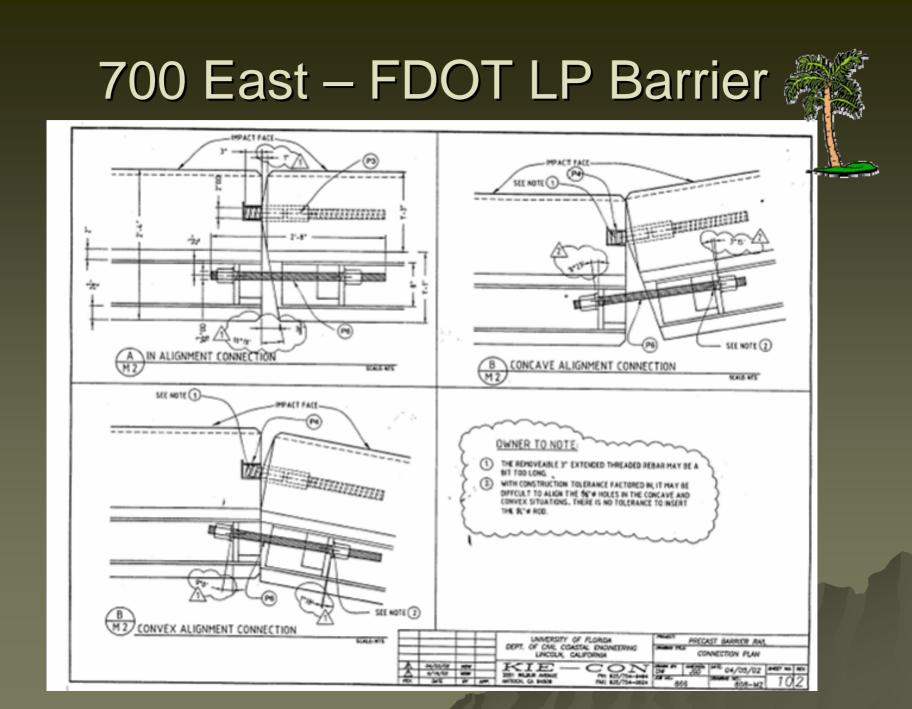


## 700 East – TTI LP Barrier

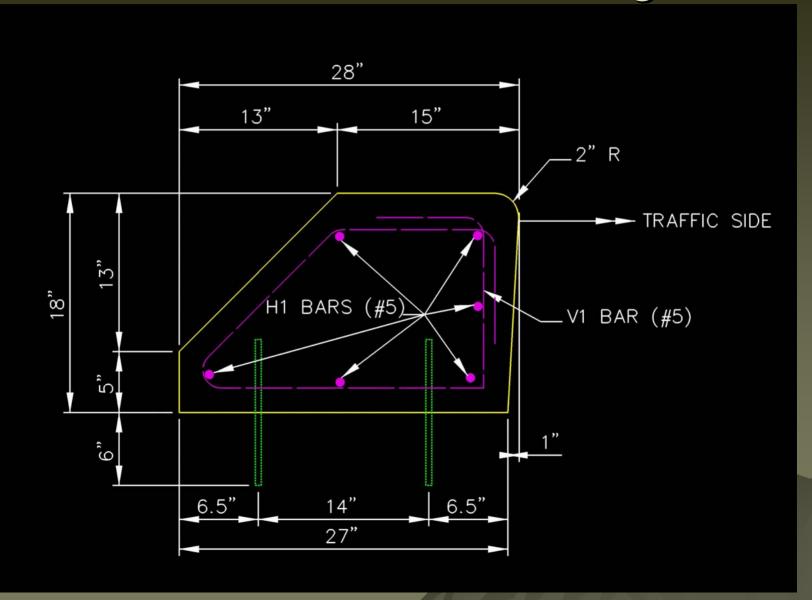




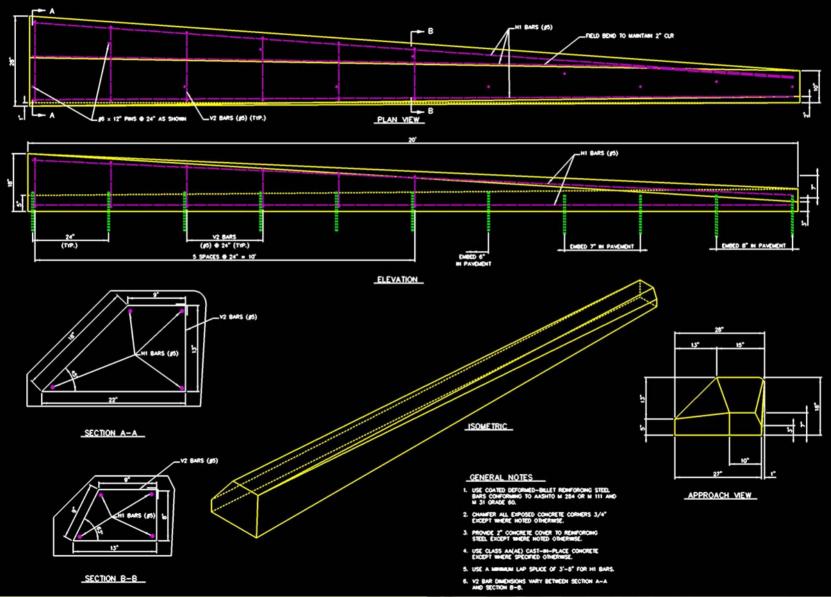




#### 700 East – Final Design



#### 700 East – Transition Detail



# Other Raised Median Issues 🥎



#### Drainage

- Pavement Protection (Landscaped)
- Landscaping/Pavement Maintenance
- Sight Distance (Access Control)

♦ U-Turns

Emergency Vehicle Accommodation

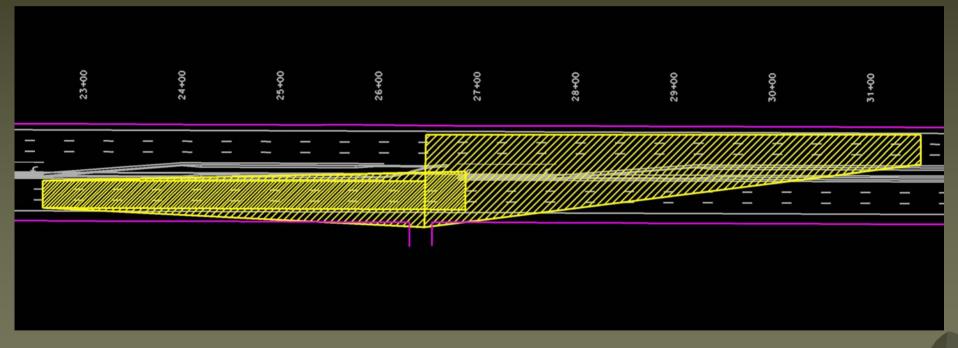
# Drainage



# **Pavement Protection**

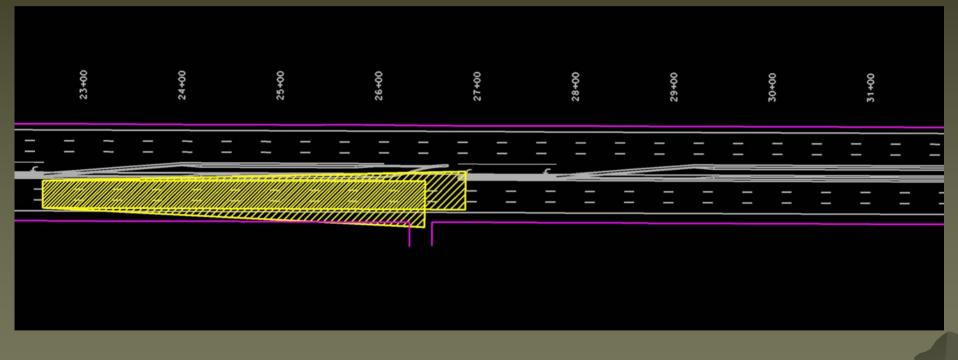


## Sight Distance – Full Access



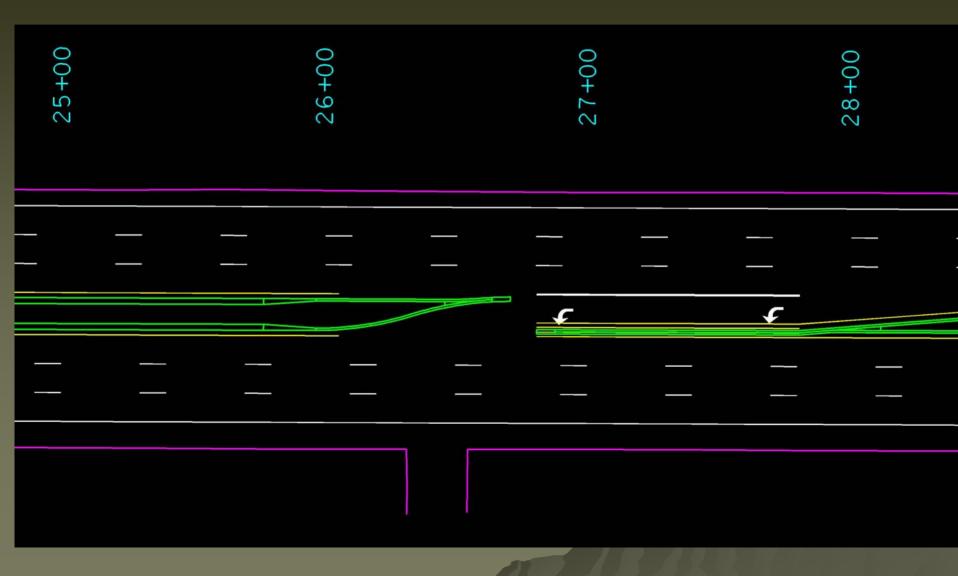


## Sight Distance – Left In Only

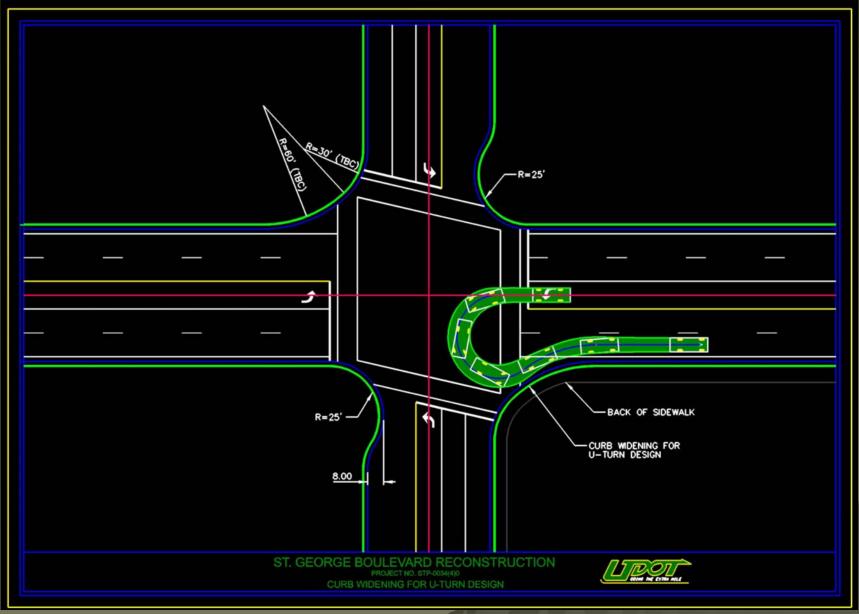




## Sight Distance – Left In Only



### **U-Turns**



## Emergency Vehicles



## **Construction Photos**





















































## Questions? Thanks

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