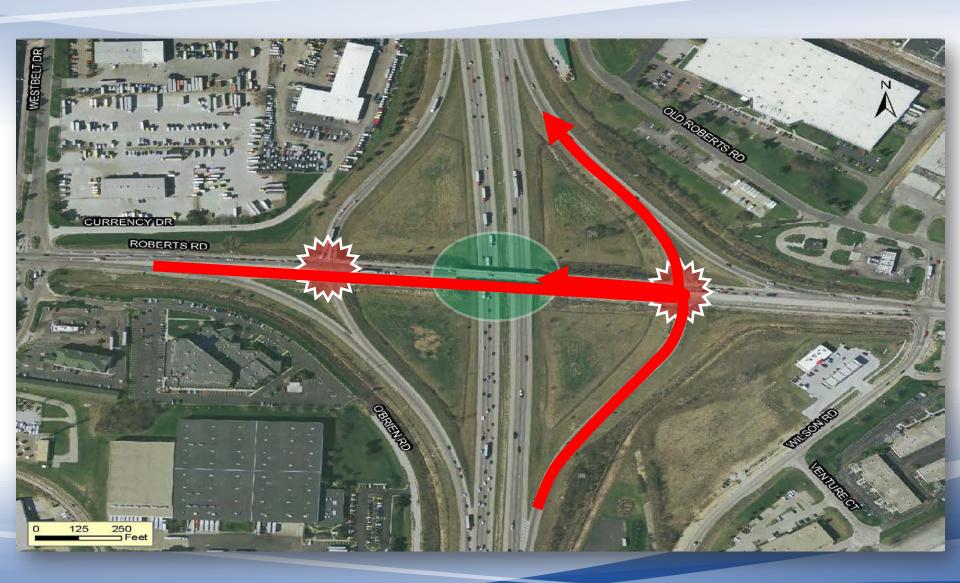
## **BURGESS & NIPLE**Engineers • Architects • Planners



# I-270 and Roberts Road Diverging Diamond Interchange

Columbus, Ohio





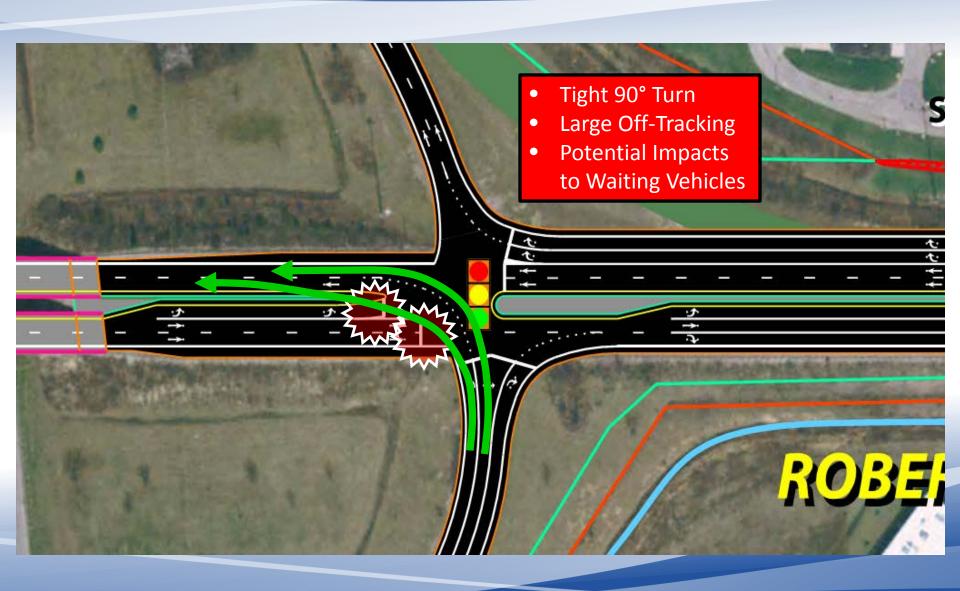


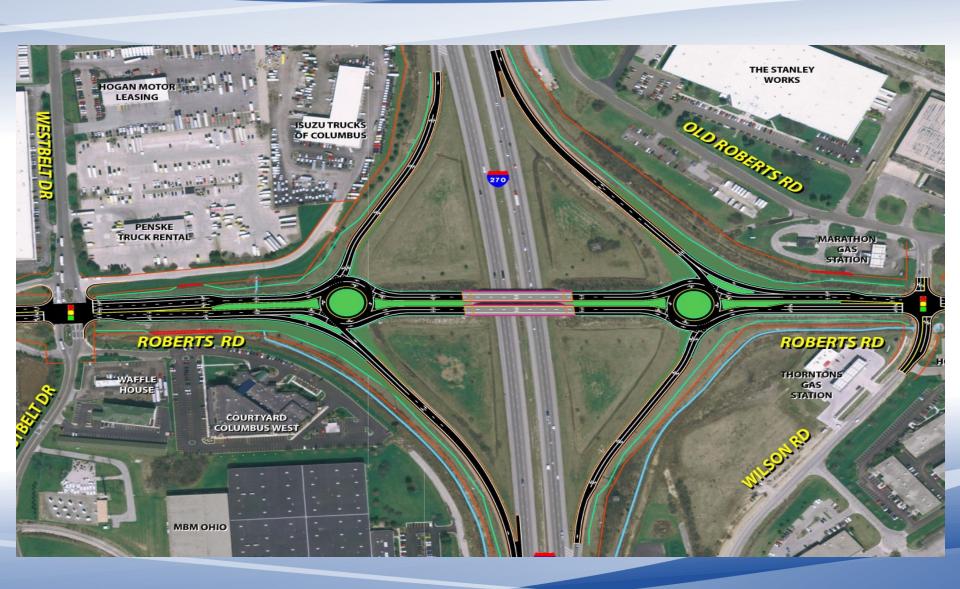


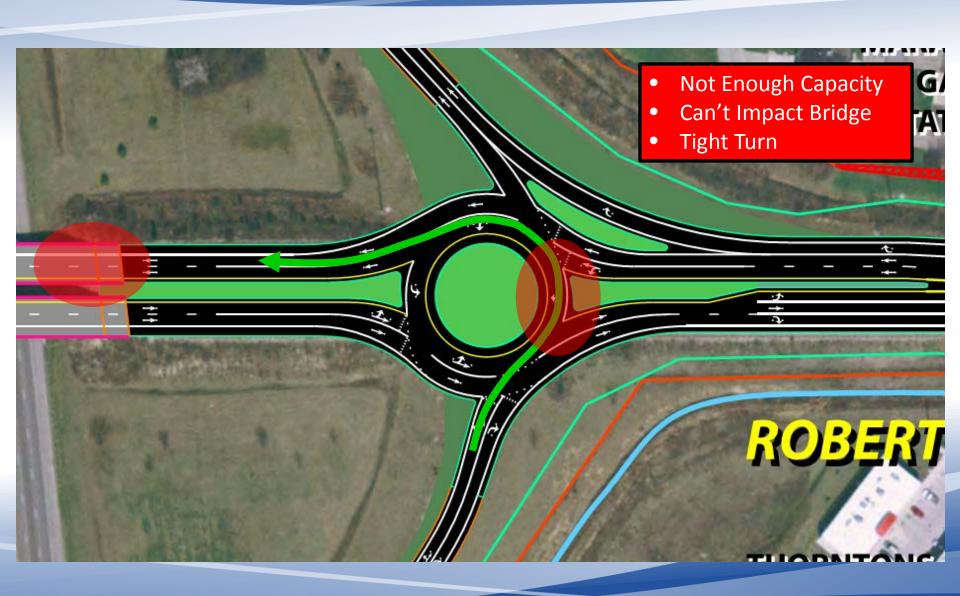




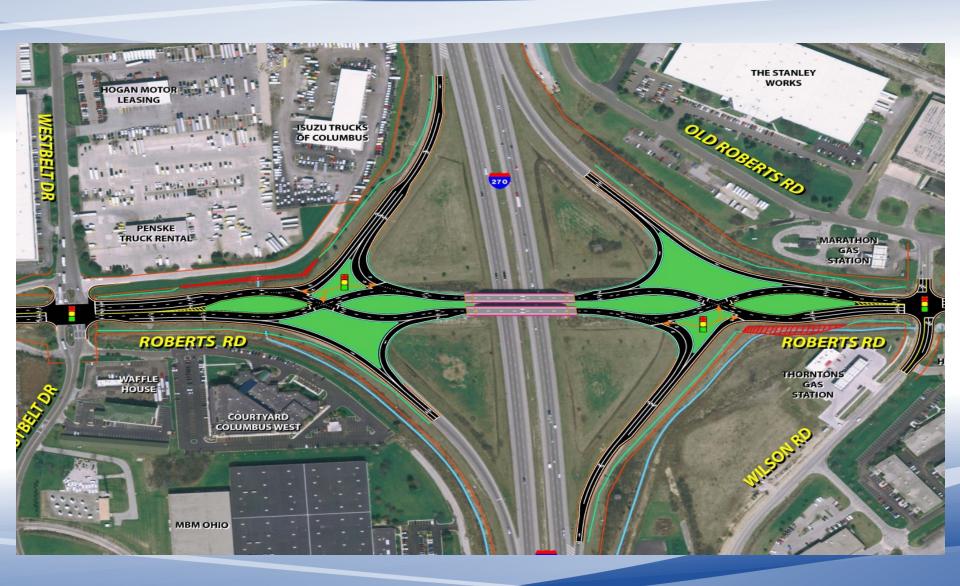




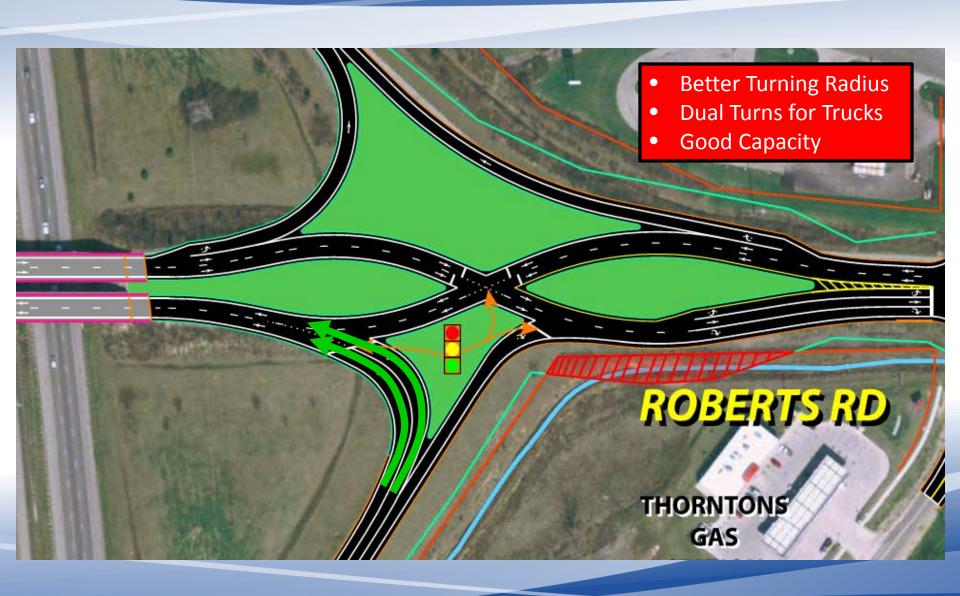




#### **Preferred Alternative - DDI**



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### **Design Vehicles**





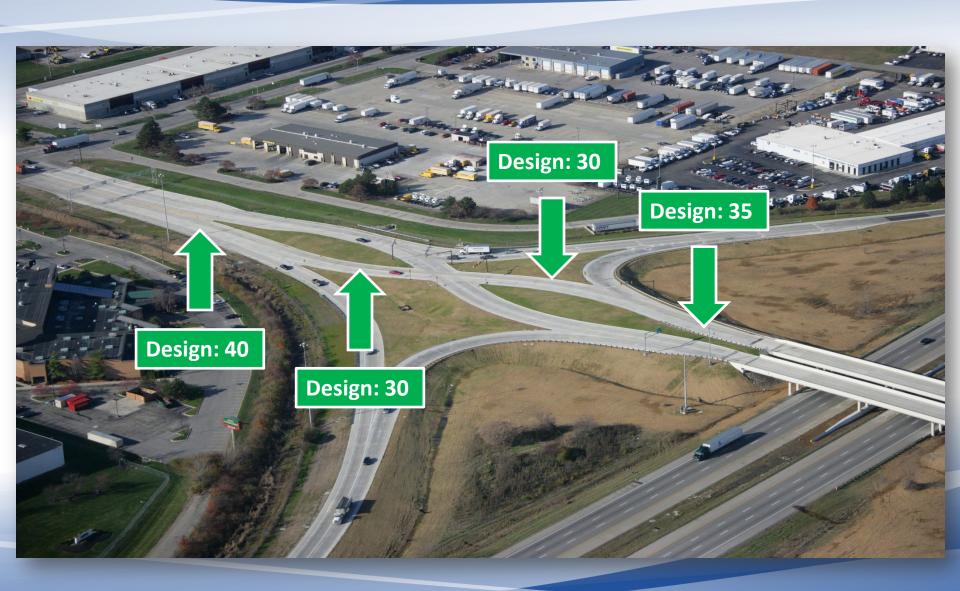
### **Design Vehicles**



### **Favorable Geometry**



### **Favorable Geometry**



### **Favorable Geometry**



### **Dedicated Bicycle Facilities**



### **Dedicated Bicycle Facilities**



#### **Safety and Congestion Results**

**SAFETY RESULTS** 

**CONGESTION RESULTS** 

48% REDUCTION IN TOTAL CRASHES!

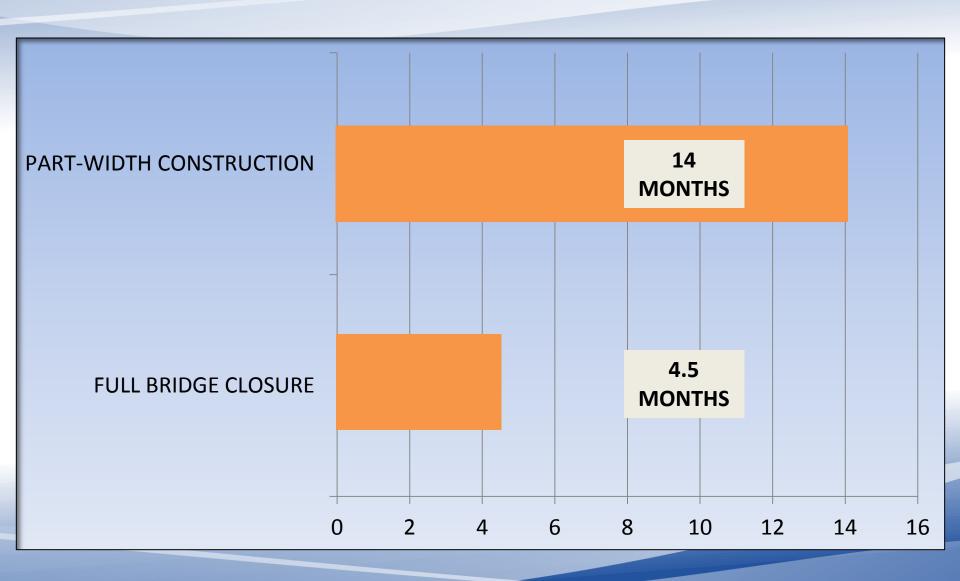
70% REDUCTION IN INJURY CRASHES!



### **Maintenance of Traffic**



#### **Construction Duration**



#### **Summary**

- Getting Innovative Can Lead To:
  - Better Geometry that Accommodates Trucks
     makes facility safer
  - Less Congestion. Trucks not sitting in traffic = more money being made!
  - Don't Dismiss Full-Closure Option freight generators want their primary routes open ASAP

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#### **BRIAN TOOMBS, PE**

614.459.2050

Brian.toombs@burgessniple.com

To download a Point/Counterpoint Analysis on Diverging Diamond Interchanges, please visit: burgessniple.com/news-and-media/white-papers.aspx