Diverging Diamond Interchange





Rick McGuckin, PE, CPESC DGL Consulting Engineers, LLC Director of Transportation





Agenda

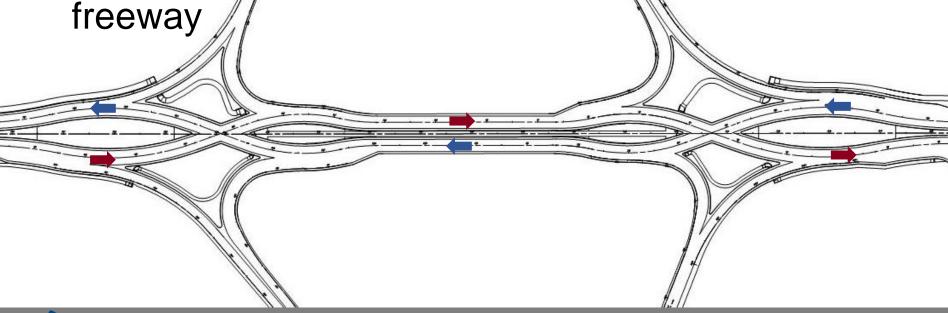
- Diverging Diamond Interchange (DDI)
- Existing Conditions
- DDI Video
- Benefits and Additional Features
- Schedule
- Informing





DDI definition

Diverging Diamond Interchange: type of diamond interchange in which two directions of traffic on the non-freeway road cross to the opposite side on both sides of the bridge at the







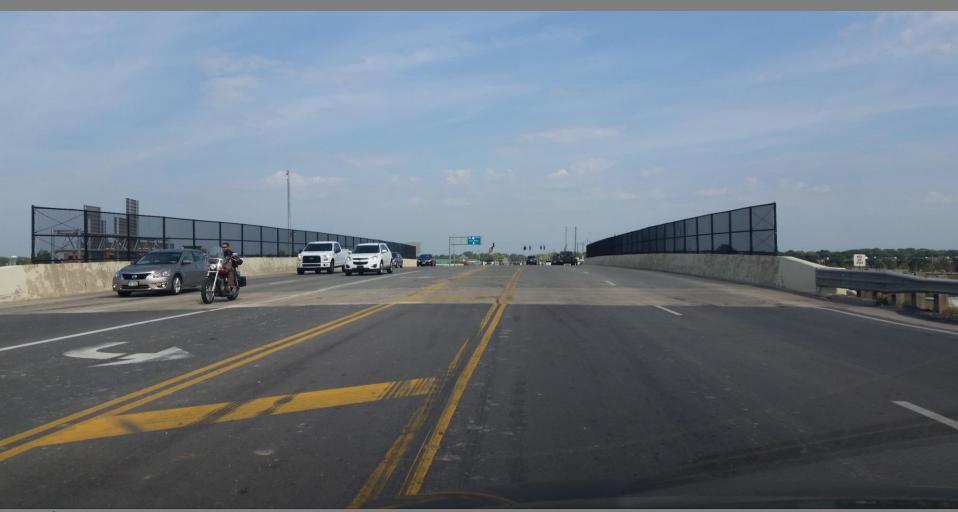
Existing Conditions







Structure (77.5' f/f parapet)

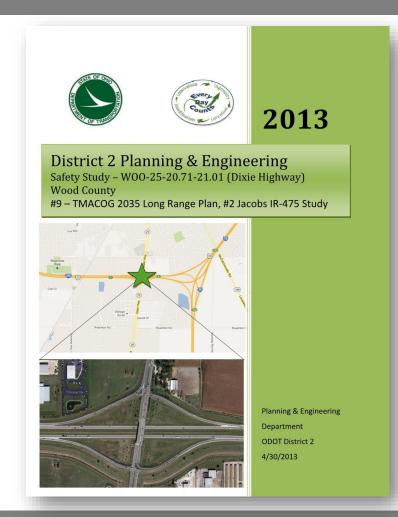






Traffic

- Traffic backups onto mainline IR-475
- Traffic queues observed to back out of turn lanes
- Crashes ~ 60 per year (expected 42)







Interchange Options

 ODOT District 2 looking into interchange modification options

• Early planning level research - contacted

Gilbert Chlewicki, PE (DDI)

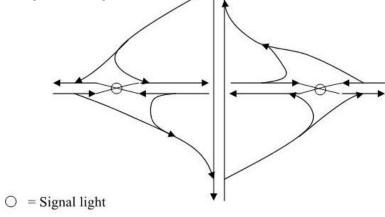


Figure 3. Diverging Diamond Interchange.

2nd Urban Street Symposium (Anaheim, California) — July 28-30, 2003





Video







DDI - Summary of Benefits

Safety

- Fewer conflict points
- Wrong way entry difficult

Operational

- Two phase efficiency, free flowing lefts
- Increased Storage, reduced queue

Cost

- Minimal structure work
- Decreased construction time

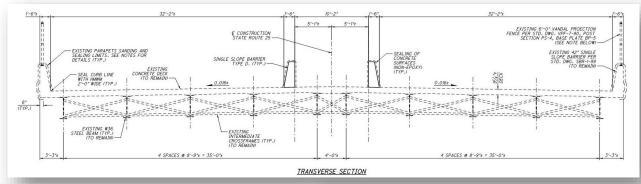






Additional Features

Pedestrian and Bike Facilities











Additional Features

Landscaping

Native flowering plants

Spring flowers, green summer, fall color, winter

berries







SR 25 over I-475 Perrysburg







Schedule

Fall 2016

Embankment / retaining wall / temp. pavement

Spring 2017

- SR25 one lane each direction
- Bridge closure for one weekend
- 4 to 5 week off ramp closures

September 17, 2017 DDI Full Operation

October 15, 2017 Final Completion





Informing

- City of Perrysburg, ODOT, local jurisdictions, law enforcement and fire personnel meet monthly
- Updated information on website and local newspapers
- Open House planned for public and local businesses



