

IE 324 SIMULATION

**SIMULATION EXERCISE:
“PICKING THE RIGHT
HIGHWAY INTERCHANGE”**

HIGHWAY INTERCHANGES

- Consider yourself being a highway engineer being consulted to design a new interchange.
 - How would you address the problem?
 - Considerations?
 - Traffic volume (now/future)
 - Land space available
 - Material use / budget
 - Environmental impact



**D-330 in Ortakent, Bodrum
Roundabout**



D-200 in Ankara Diamond Interchange





O-4 in Sakarya Trumpet Interchange



D-200 and D-750 junction in Ankara Cloverleaf



O-20 and O-4 junction in Ankara
Three-leg all-directional
(or wye interchange)



O-4, O-5 and O-7 junction in Kocaeli
All-directional four-leg
(or stacked interchange)
(or spaghetti junction)

HIGHWAY INTERCHANGES

- Let us design a highway interchange