











Roundabout Construction

Challenges in Roundabout Construction – Rural Setting

Maintenance of Traffic

- Full Closure
 - Safest option for workers (always our first thought), motorists
 - Single lane 45-50 days of construction
 - Dual lane 65 70 days of construction
 - Typical build is 15-20% less in total cost than a phased project
 - One direction Traffic
 - Traffic in both directions
 - Pedestrian Traffic
 - Cost of maintaining pedestrian traffic vs closure















Challenges in Roundabout Construction – Rural Setting

Construction Challenges

- Use of existing pavement
 - Remove it all preferred by contractors
 - Issues with leaving it in place
 - Creates areas of possible failures in connection of existing to new pavement
 - Is the base OK? Will it fail in the next 3-5 years
 - Are we really saving anything phasing adds cost, inefficiency of construction
 - Storm sewer crossings failure area







