



Ourston Roundabout Engineering

Roundabout Policy and Consultation

– better and best practices

*(How to win friends and influence
the public)*

Mark Lenters, P.E.



Persistent Education Challenges:

- Recognized public perception of roundabouts vs. their proven performance
- Permitted Trucking (standard large trucks)
- Driver education: way-finding and lane choice
- Pedestrian perception of safety vs. proven conditions
- Bicyclist education



Lessons Learned:

1. Develop detailed components early
2. Have a deep war chest (general tools and specific tools)
3. Address nearby 'storm cells'
4. Imagine all that can go wrong (plan for the worst/hope for the best)



The Recipe for Successful Use of Roundabouts

- Lead with an Area-Wide Policy:
 - Roundabouts shall be considered when:
 - Conduct Alternatives Analyses (life cycle)
 - Top-down consensus building
1. Assemble general policy tools
 2. Develop project specific tools



1. General Policy Tools

Roundabouts shall be considered when:

- A new intersection is proposed
- Traffic signals are warranted
- Intersection safety or capacity is an issue

TOOLS:

- Case studies
- Testimonials
- National statistics
- How-to videos
- Web-cam
- Driver training
- Website



Greater Emphasis on Driver Training

Lane choice is critical at roundabouts

Choose the correct lane before you enter a roundabout

Southbound traffic:

- » Right lane is for right turns only.
- » Left lane is for left turns, u-turns, or through traffic only.

Westbound traffic:

- » Right lane is for right turns or through traffic only.
- » Left lane is for left turns, u-turns, or through traffic only.

Northbound traffic:

- » Right lane is for right turns or through traffic only.
- » Left lane is for left turns or u-turns only.

Black and white signs:

- » at the side of the road

Crosswalk: Yield to pedestrians

Yield to traffic in the circle

ONE WAY

Yield to pedestrians

truck apron

Traffic circulates counterclockwise in a roundabout

Choose your lane and yield to all traffic in both lanes before entering roundabout!



Area-wide Education Campaigns

- Making Pedestrians more active...



2. Develop Project Specific Tools

Document the I.C.E

- Capacity measures delay, queuing
- Cost differences - lifecycle
- Collision reduction
- Context issues, e.g. school nearby

2. Project-Specific Tools:

- Scale model
- Animation/simulation
- Renderings
- Website



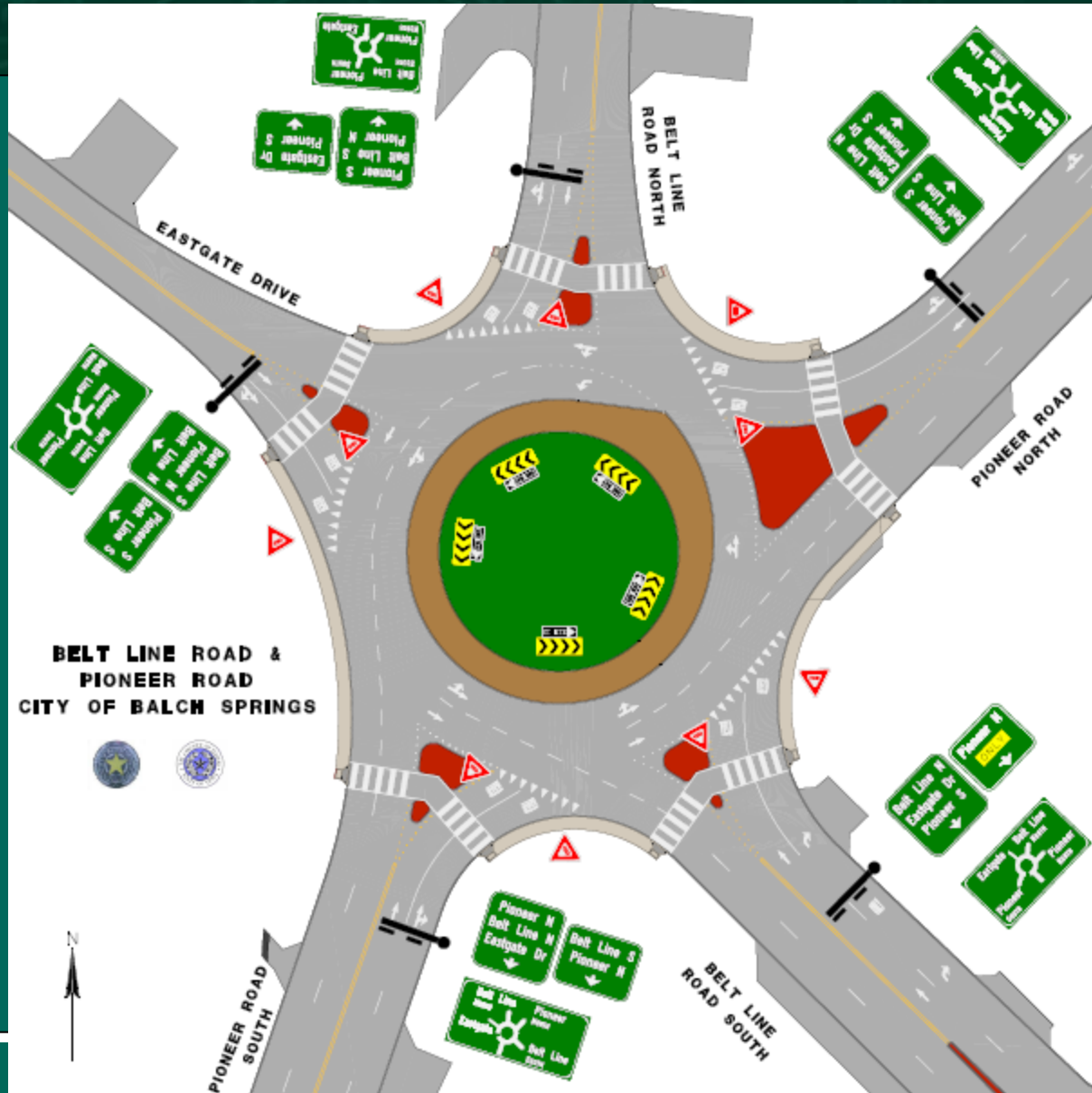
Employ Renderings



Scale Model (1:87 = 'HO' scale)



Driver Awareness of Lane Choice



**BELT LINE ROAD & PIONEER ROAD
CITY OF BALCH SPRINGS**

At the P.I.M.
and..

..at the
roundabout
entry during
opening



Outreach Target Groups and Sequence of Contact:

Internal (most commonly overlooked):

1. Legislators
2. County Executives
3. State Patrol and EMS
4. County Staff – public works & maintenance

External:

1. Seniors, goods movers, schools, driver training
2. Directly affected property owners
3. General public and interest groups



Consultation Meeting Format:

Best Practice:

1. Half hour drop-in format

2. Half hour presentation
(No Q&A)

3. Half hour drop-in format

