Burleigh County Hwy 10 & 66th Street Intersection

Mark Kvas, PE
Location
2015 Traffic Conditions
Projected Traffic Counts

Figure 1: Existing Traffic Volumes
16,350

Figure 4: 2036 volumes at existing traffic patterns
35,700

Figure 6: 2036 volumes with 66th Street interchange at I-94
38,320
LiDAR - Survey
Proposed Options

- No Build
- Traffic Signal
- Roundabout
ROW Process

- Existing ROW between 33’ to 100’
- Additional ROW needed from 5 landowners
  - Landowners all wanted something done at the intersection due to safety concerns.
Utility Conflicts
Design Details

- WB-67 Design Vehicle
- Only Type I curb inside truck apron
- Mountable curbs on splitter islands
- Outside concrete shoulder flush
Sequencing Options - Shoofly
Phased Construction
Concrete Shoulder
Drain Tile & Inner Circle Curb
Initial Paving
Lighting
Pigmented Concrete & Removable Splitter Island
Finished Product
Burleigh County Hwy 10 & 66th Street Intersection

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Bartlett & West

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