

Brays Fork

Existing Conditions

Transportation issues at Brays Fork today include the following.

- Ramp merge points located closely to intersections at Hospital Road and Berry Hill Road.
- The westbound US 360 ramp conflicts with the Hospital Road intersection. Vehicles coming from the south on US 17 going to Hospital Road do not have enough distance after the traffic signal to merge with westbound traffic and get over to make the right turn onto Hospital Road.
- The intersection of Berry Hill Road at US 17 is too close to the merge point and is confusing to some drivers.

Improvement Alternatives

Continuous Green-T

This concept eliminates the conflicts between the ramp merges and nearby intersections. It removes several ramps and brings those movements closer to the traffic signal. Click [here](#) for more information on Continuous Green-T intersections.

How would this concept improve safety?

- It moves the merge points farther from adjacent intersections.
- Vehicles coming from the south could safely access Hospital Road.
- It reduces conflicts at Berry Hill Road.

How would this concept reduce congestion?

- On average, this concept would reduce delay by 18-22 seconds – a time savings of 70 percent.

Roundabout

This concept also eliminates the conflicts between the ramp merges and nearby intersections. It replaces the traffic signal with a roundabout. Click [here](#) for more information on roundabouts.

How would this concept improve safety?

- It moves the merge points farther from adjacent intersections.
- Vehicles coming from the south could safely access Hospital Road.
- It reduces conflicts at Berry Hill Road.
- Roundabouts generally reduce crashes by 50 percent compared to traffic signals.

How would this concept reduce congestion?

- On average, this concept would reduce delay by 19-23 seconds – a time savings of 76 percent.