

Current Recommendation – One-Way Traffic:

This option changes the current operations of Trainor Gate Road by providing a one-way road for westbound traffic and installing a traffic signal or roundabout at the intersection of Old Steese Highway and Trainor Gate Road.

Advantages

- Adds a left turn movement (westbound to southbound) at Old Steese Highway in addition to the existing right turn (westbound to northbound).
- Provides improvements to pedestrian crossings.
- Reduces congestion at Old Steese Highway.
- Reduces congestion at Steese Expressway.
- Increases safety at Old Steese Highway and Trainor Gate Road by converting the intersection control to a signal or roundabout.

Disadvantages

- Redirects eastbound traffic to College Road and the Johansen Expressway. This increases congestion at those locations and may increase travel distances.
- May increase cut-through traffic on neighborhood roads.

Constraints

- Railroad tracks.



Option 1 – Maintain Two-Way Traffic and Add Traffic Signal:

This option does not change the current operations at Old Steese Highway and Trainor Gate Road except for adding northbound/southbound through lanes on Old Steese Highway and signaling the intersection.

Advantages

- Reduces delay for turning traffic at the Old Steese Highway and Trainor Gate Road intersection.
- Provides a pedestrian signal to cross the Old Steese Highway.
- Will likely reduce angle collisions at the Old Steese Highway and Trainor Gate intersection.

Disadvantages

- Does not reduce congestion or improve safety at the Steese Expressway and Trainor Gate Road intersection.
- Eastbound traffic will likely experience similar queues and delay.
- Will likely increase rear end collisions at the Old Steese Highway and Trainor Gate intersection.

Constraints

- Railroad tracks.



Option 2A – Construct an Interchange with a Traffic Signal

This option raises the Steese Expressway over Trainor Gate Road and the railroad tracks.

Advantages

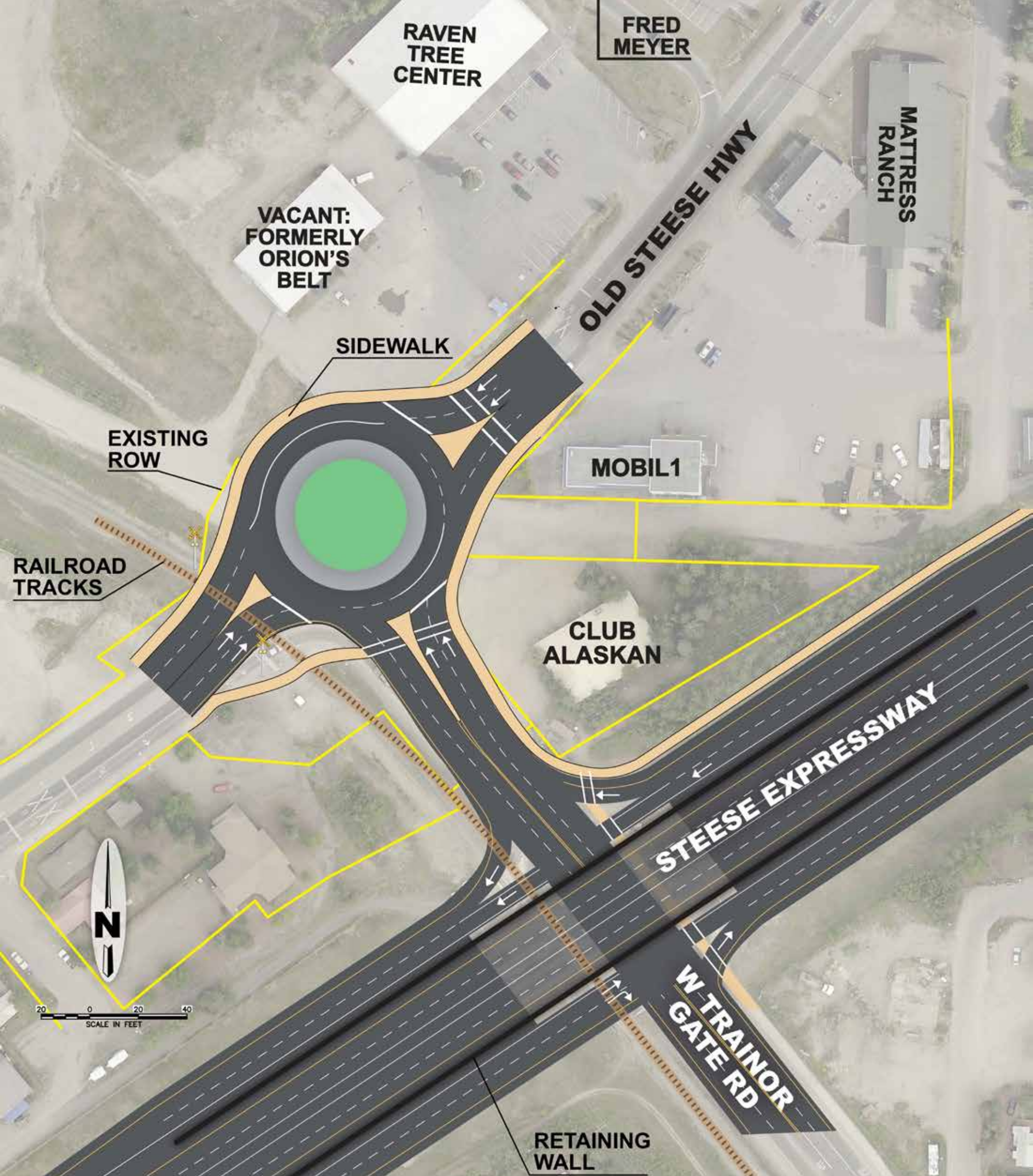
- Congestion on Steese Expressway will have little effect on Old Steese Highway and Trainor Gate Road intersection.
- Provides improvements to pedestrian crossings.
- Reduces delay and congestion on Steese Expressway by removing a traffic signal.
- Improves safety of Trainor Gate Road by eliminating the conflict of high speed through traffic on Steese Expressway. This may reduce head-on, angle and rear-end crashes.
- Provides a new south turn movement in addition to the north turn movement at Old Steese Highway.
- Provides a pedestrian signal to cross the Old Steese Highway.

Disadvantages

- An interchange at Trainor Gate Road is close to a planned interchange at the Johansen/Steese Expressway intersection, less than one mile to the north. The primary concern is the close proximity of on- and off-expressway ramps at adjacent interchanges.
- Although the option eliminates the railroad conflict with through traffic on the Steese Expressway, if expressway ramps are provided at the location, two new railroad crossings are created.

Constraints

- This option requires the identification of additional funding sources.
- Railroad tracks if expressway ramps are provided.



Option 2B – Construct an Interchange with a Roundabout

This option raises the Steese Expressway over Trainor Gate Road and the railroad tracks.

Advantages

- Congestion on Steese Expressway will have little effect on Old Steese Highway and Trainor Gate Road intersection.
- Provides improvements to pedestrian crossings.
- Reduces delay and congestion on Steese Expressway by removing a traffic signal.
- Improves safety of Trainor Gate Road by eliminating the conflict of high speed through traffic on Steese Expressway. This may reduce head-on, angle and rear-end crashes.
- Provides a new south turn movement in addition to the north turn movement at Old Steese Highway.
- Increases safety at Old Steese Highway and Trainor Gate Road. Roundabouts are known to reduce head-on, angle and rear-end crashes.

Disadvantages

- An interchange at Trainor Gate Road is close to a planned interchange at the Johansen/Steese Expressway intersection, less than one mile to the north. The primary concern is the close proximity of on- and off-expressway ramps at adjacent interchanges.
- Although the option eliminates the railroad conflict with through traffic on the Steese Expressway, if expressway ramps are provided at the location, two new railroad crossings are created.

Constraints

- This option requires the identification of additional funding sources.
- Railroad tracks if expressway ramps are provided.