

CORNELIUS PASS ROAD PROJECT

Construction Options

Option 1 - Construction under Total Road Closure:

Under this option, Cornelius Pass Road will be closed between Quatama Rd and just south of the bridge over Beaverton Creek for a period of six (6) to eight (8) months.

Advantages:

- Shorter project construction period
- Safer construction work zone for the workforce and motorists
- Lower project cost
- Superior final product

Disadvantages:

- Longer travel distance for motoring public to detour around the road closure
- Added traffic volumes to other roads (205th/206th and 229th/231st)
- Impacts to emergency services and other service providers
- Impacts to school bus routes and stops

Option 2 - Construction Under Traffic (by use of flaggers):

The bridge under this option will be constructed in two phases with one lane of traffic available to motorists during work hours. The road will need to be completely closed between Quatama Rd and south of the bridge over Beaverton Creek two to three times during the project timeline in one to two week increments.

Advantages:

- Motoring public will have the ability to use Cornelius Pass Road for most of the construction period

Disadvantages:

- Longer project construction period
- Traffic delays and longer queues
- The traffic delays will cause neighborhood cut-through
- The traffic delays will affect response time for emergency services
- Construction material delivery time will be affected by traffic backup
- Impacts to school bus routes and stops. Bus routes may need to be rerouted due to traffic congestion.
- Impacts to local area businesses due to traffic congestion.
- Overall increased project timeframes for construction.
- Overlaps coordination of other existing projects in Hillsboro (ie. Brookwood Road)
- Safety concerns for the construction workforce and the traveling public throughout the work zone
- Environmental issues:
 - Possible additional permitting
 - Possible permanent and additional temporary impacts on wetlands and buffers.
 - Additional use of resources to build temporary walls.
- Additional cost (estimated to be \$1,200,000):
 - Temporary or additional walls
 - Sheet Piling
 - Additional design work
 - Traffic Control
 - Lower work efficiency