



# Vine & Hollywood Projects

PROJECT# 0001605/CFHWY00323

## Vine Road Improvements: KGB Road to Hollywood Road

### Proposed Improvements

This project will reconstruct 0.6 miles of existing two-lane road to increase capacity, address safety, and upgrade geometry to current highway standards. Improvements will include:

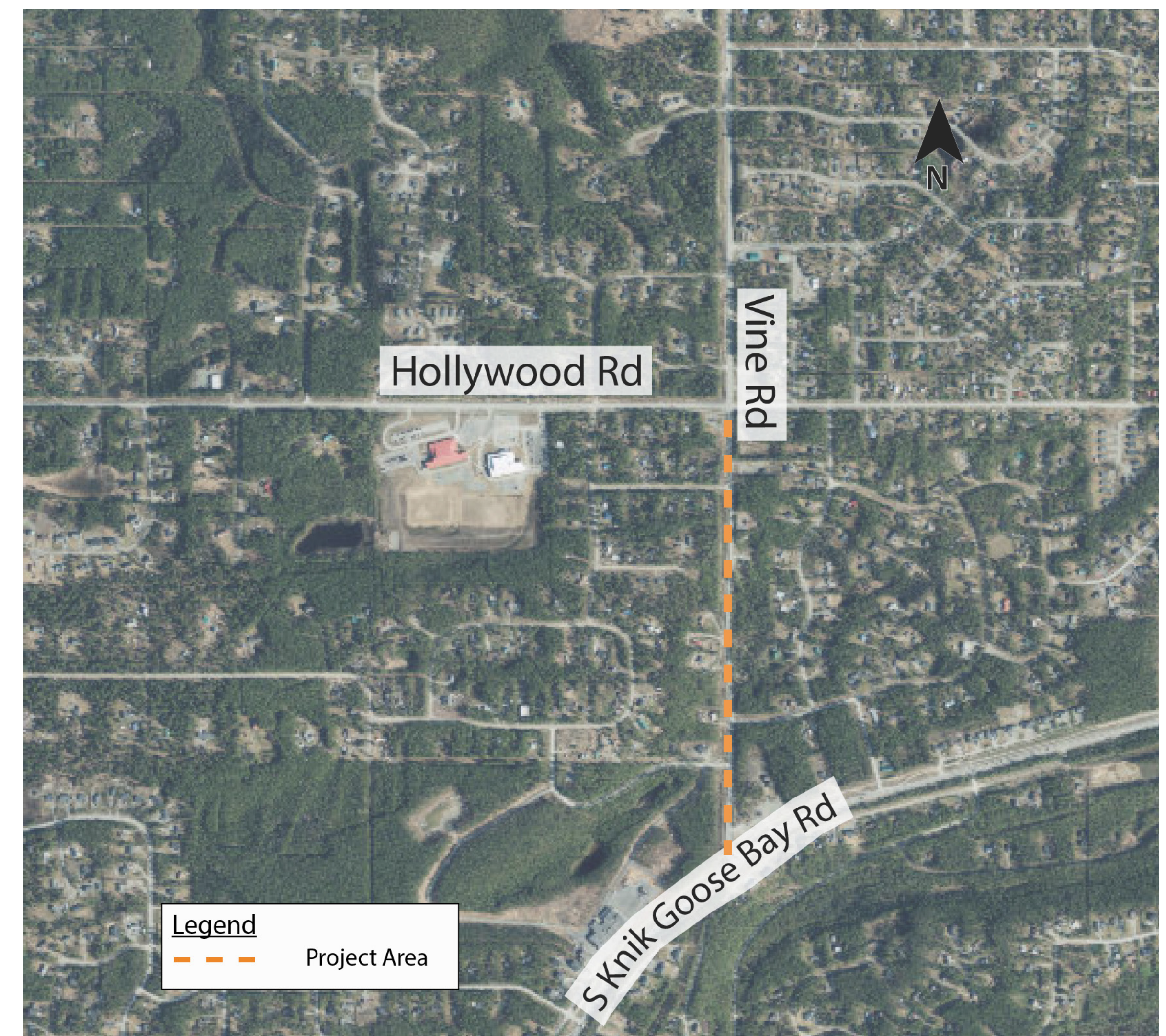
- reconstructing the roadbed
- a pedestrian pathway
- widening shoulders
- ADA improvements
- drainage improvements
- signing and striping

Right-of-Way (ROW) acquisitions and utility relocations will be necessary.

### Purpose & Need

- Safety improvements
- Address capacity needs as necessary
- Improve roadway geometry to current design standards

### Project Area







# Vine & Hollywood Projects

PROJECT# 0001627/CFHWY00463

## Vine Road at Hollywood Road Intersection Improvements

### Proposed Improvements

This is a project to improve the intersection of Vine Road and Hollywood Road. Improvements will include installation of a single-lane roundabout and may include:

- improved drainage
- illumination
- pedestrian accommodations
- signing and striping
- landscaping
- ADA improvements

Utility relocation and Right-of-Way (ROW) acquisition will be necessary.

### Purpose & Need:

- Improve intersection safety and pedestrian accommodation

The intersection currently experiences a crash rate higher than the statewide average for this type of intersection.

### Project Area







# Vine & Hollywood Projects

PROJECT# 0001686/CFHWY00392

## Hollywood Road Pavement Preservation

### Proposed Improvements

This is a project to resurface Hollywood Road between Big Lake Road to the west and Vine Road to the east.

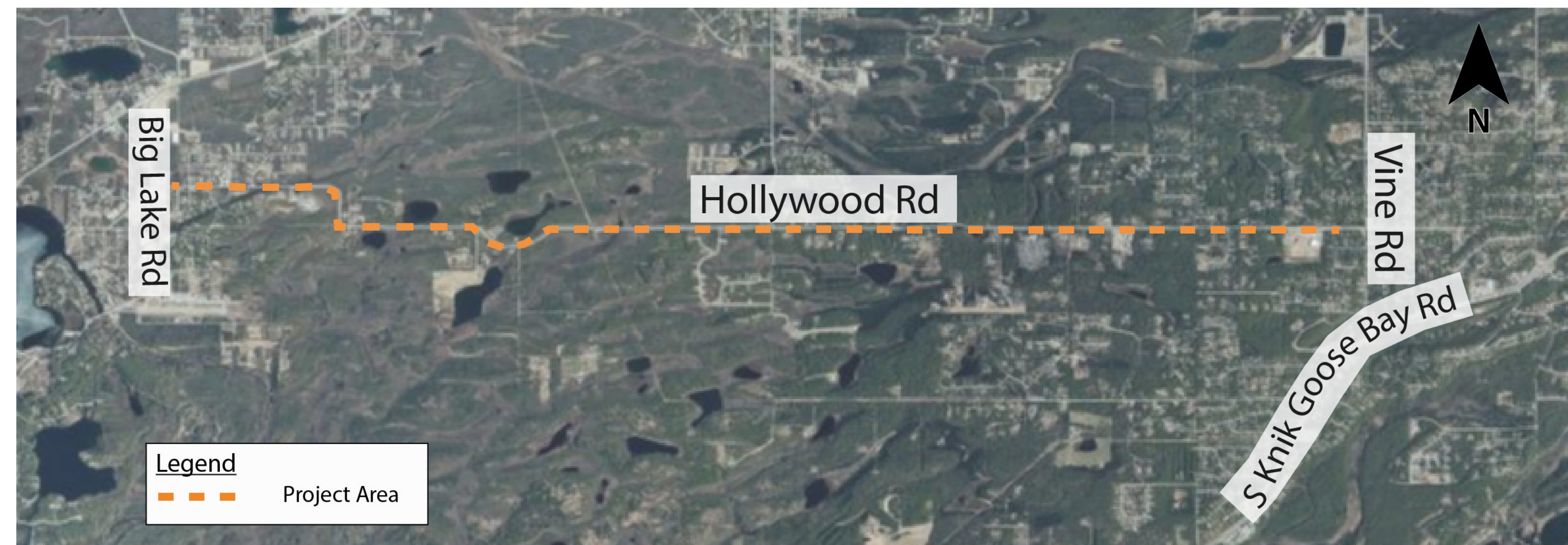
Improvements may include:

- minor roadbed improvements
- drainage improvements
- signing and striping

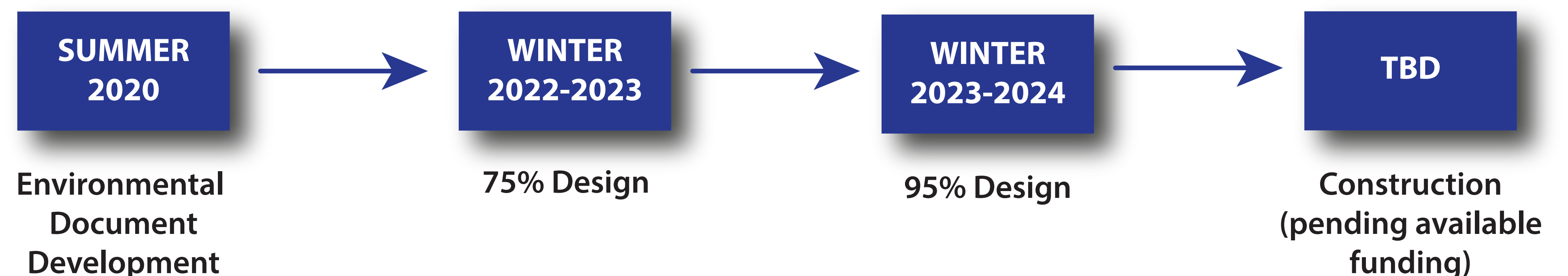
### Purpose & Need

- Extend the surface life of the roadway
- Reduce maintenance costs

### Project Area



### Project Schedule



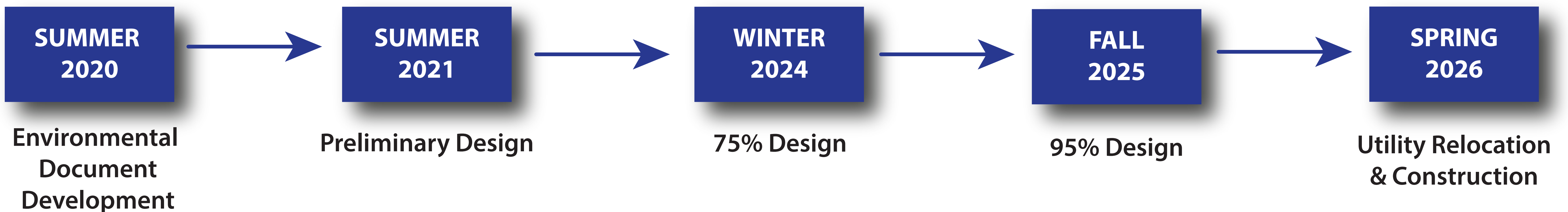




# Vine & Hollywood Projects

PROJECT# 0001605/CFHWY00323, 0001627/CFHWY00463

## Vine Road Improvements: KGB Road to Hollywood Road & Vine Road at Hollywood Road Intersection Improvements Project Schedule

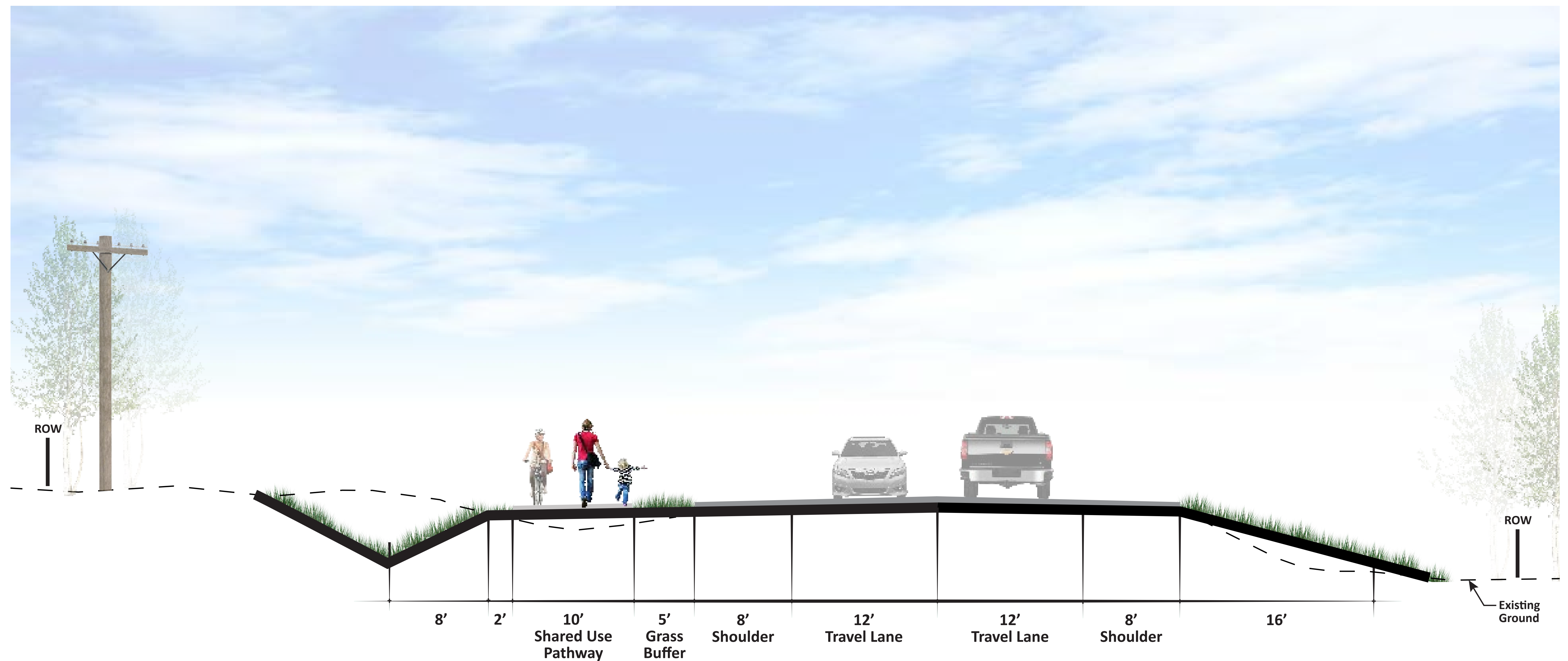




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## Vine Road Typical Section







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## Roundabouts in Alaska: Faster, Safer, Smarter

### What makes roundabouts safer?

- Fewer conflicts
- Fewer serious injury crashes
- Safer for pedestrians

### How much safer are roundabouts?

- 90% reduction in fatalities
- 76% reduction in injuries
- 35% reduction in crashes overall
- 70% decrease in fatal and serious injury crashes for pedestrians
- 15% decrease in total pedestrian bike and pedestrian crashes

### Other benefits of roundabouts:

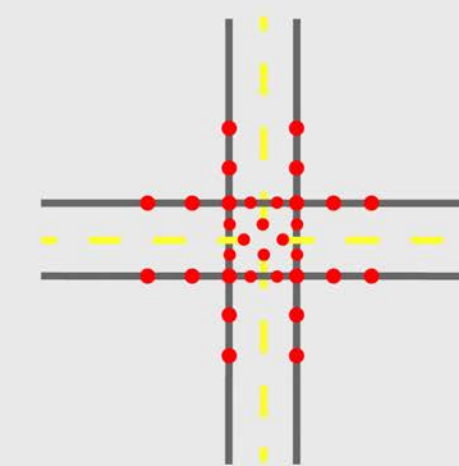
- Reduces congestion: traffic doesn't stop, less waiting
- Reduces fuel usage: less idling and stops, fewer hard accelerations
- Lower long-term costs: no costs for hardware or electricity

### What about capacity for this roundabout?

Single-lane roundabouts can accommodate approximately 1000 vehicles per hour for each connecting roadway segment. This proposed roundabout will have 4 connecting segments and is estimated to receive approximately 550 vehicles per hour during peak hours in the design year of 2041, on the busiest segment. This tells us that a single-lane will function adequately with the projected traffic volumes.

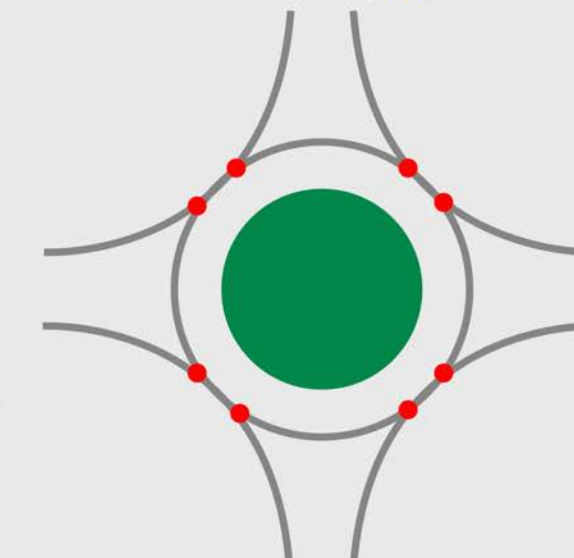
#### Traditional Intersection

**32** possible opportunities for a collision. Many of those are dangerous, high-speed, head-on or angle collisions.



#### Roundabout

**8** possible opportunities for a collision. Plus, the collisions that do happen are slower and less serious.



North Pole Roundabout



Johns-Klatt Roundabout © Colaska



Scan this code with your phone for more info about roundabouts in Alaska.