

Highway 105A Construction Project, El Paso County, Colorado

Construction dates: Summer 2023 – 2025

This project extends the 4-lane section of Highway 105 just east of Jackson Creek Parkway to Lake Woodmoor Drive. It includes widening and reconstruction of Highway 105, new curb and gutter, two retaining walls, intersection improvements, new roundabout at Knollwood Drive/Village Ridge Point intersection, traffic signal replaced at Knollwood Drive, a new underground drainage system, sidewalk connectivity, and a water quality pond.

In addition,

- Monument Academy will construct new queuing lanes on the school property site north of Highway 105.
- The Monument Junction developer will construct improvements at the Highway 105/CO-105/Jackson Creek Parkway intersection including a second westbound left turn lane on Highway 105 to southbound Jackson Creek Parkway.

There are multiple roadway projects planned for this area of the community being led by different jurisdictions. Please be patient throughout construction as the project teams coordinate efforts to minimize impacts to the traveling public as much as is possible.



PROJECT DETAILS AND BENEFITS

Highway 105A Project New Configuration

- The new configuration for the Highway 105A project will be two lanes in each direction with left and right turn lanes. This design will include water quality, roadway shoulders and pedestrian improvements and will provide for greater mobility by accommodating more traffic.

Funding

- The Highway 105A Project is funded through a combination of Pikes Peak Rural Transportation Authority (PPRTA) as well as Federal and County funds.

Drainage

- The project will include curb & gutter and add an underground drainage system and new full spectrum water quality and detention pond to the area.

Lighting

- The traffic signal at the intersection of Highway 105 and Knollwood Drive will be replaced as part of the project. The lighting will be LED luminaires which are brighter and more energy efficient than the older style of streetlights. Another benefit is that light produced from the luminaires can be focused in specific directions to reduce lighting from affecting neighboring properties, rather than radiating out in all directions.

Single Lane Roundabout at the Knollwood / Village Ridge Point intersection

- The roundabout solution was selected as the preferred alternative at the Knollwood Drive / Village Ridge Point intersection design because of how well it safely handles large volumes of traffic. The primary benefit of roundabouts from a traffic standpoint is the efficiency by which they can move vehicles through the intersection. Many more vehicles can be within the intersection at the same time when navigating a roundabout compared to a traffic signal or stop control.
- The roundabout, coupled with the new student drop off/pick up queuing lanes being constructed on the Monument Academy property, are designed to keep traffic moving and reduce the traffic backups on Highway 105 that have previously occurred in this area.

Roundabout Driving Tips

- When entering the roundabout, yield to traffic already navigating it.
- When a safe gap is available, merge into roundabout traffic.
- As you travel the roundabout, pay attention to signage and merging vehicles. In the roundabout, you are allowed the right-of-way, but pay attention to inexperienced roundabout travelers.
- When you reach your desired exit point, signal to alert fellow motorists that you are exiting the roundabout and safely move out of it.

CONSTRUCTION CHALLENGES

Utilities:

- The project has extensive buried utilities. Some of the utilities will need to be relocated and this will require extensive coordination and phasing. In addition, the traffic signal at Knollwood Drive will need to be relocated. This can be a challenge while maintaining traffic flow through the intersection. As a result, there may be a need for temporary short traffic detours.

Pedestrian and school traffic:

- The intersection of Knollwood Drive and Highway 105 is in close proximity to the Monument Academy school. Therefore, there will be frequent communication by the project team with the school and with the public. Construction and maintenance of traffic will be strategically phased to reduce impacts. Road closures and detours will be needed for construction in this area.

CONTACTS

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Construction Management: Wilson & Company, Ted Tjerandsen

Design Firm: HDR

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STAY INFORMED

- **Recorded Messages:** Updated traffic impacts available on the project phone: 719-423-8100
- **Project updates:** Sign up to receive construction updates and detour information e-newsletters by sending an email to: Hwy105Aconstruction@gmail.com.
- **Website:** EPC-Hwy105AConstruction.com