

Improvements

Package 1:

- A. Signalize Right-Turn Movement from Westbound Abernathy Road to Northbound Roswell Road
- B. Shorten End of East Median by 20 feet (Abernathy Road)
- C. Restripe the Northwest Corner of the Intersection (Abernathy Road)

Package 2:

- A. Modify Southbound Overhead Signs (Roswell Road)
- B. Install Barrier Separation Between Southbound Through & Left-Turn Lanes (Roswell Road)



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Project 1A:
Signalize
Westbound Right-
Turn Movement
from Abernathy
Road to Roswell
Road



Project 1A: Signalize Westbound Right-Turn Movement from Abernathy Road to Roswell Road

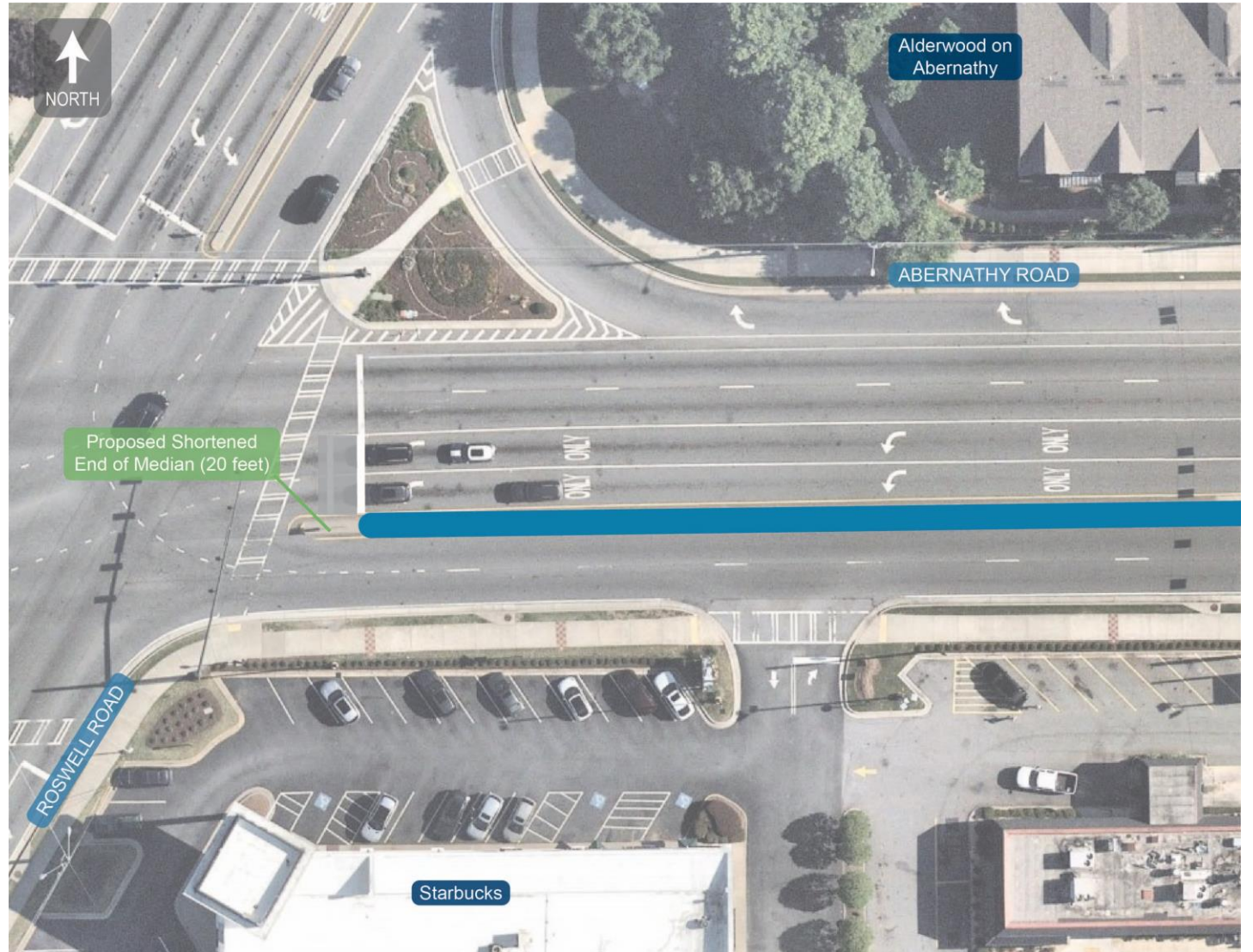
Project Description: Signalize the right-turn movement from westbound Abernathy Road to Northbound Roswell Road. As part of the improvement, right-turns will no longer be permitted when the signal is red for westbound traffic. The signal for the right-turn movement will be green at the same time as it is green for westbound through traffic as well as when left turns are permitted to turn from southbound Roswell Road to eastbound Abernathy Road.



Project Purpose:

- Addresses rear-end crashes that occur between vehicles turning right from westbound Abernathy Road to northbound Roswell Road in the right-turn lane
- Eliminates the need for right-turning vehicles to find a gap in northbound traffic as specific guidance is provided for when they can proceed without stopping first
- Reduces conflicts between pedestrians and right-turning vehicles

Project 1B: Shorten End of East Median by 20 feet (Abernathy Road)



Project 1B: Shorten End of East Median by 20 feet (Abernathy Road)

Project Description: Shorten the median nose on the east side of the Roswell Road at Abernathy Road intersection by 20 feet to provide more space for drivers turning left from southbound Roswell Road to eastbound Abernathy Road. This will provide a wider entrance to the eastbound lanes along Abernathy Road. As part of this improvement, the stop bars for westbound traffic on Abernathy Road will also be moved back to better align with the new median position.



Project Purpose:

- Addresses rear-end and sideswipe crashes that occur between vehicles turning left from southbound Roswell Road to eastbound Abernathy Road by helping drivers maintain their appropriate lane
- Addresses rear-end and sideswipe crashes that occur in the eastbound receiving lanes just after the left-turn movement is completed

Project 1C: Restripe the Northwest Corner of the Intersection (Abernathy Road)



Project 1C: Restripe the Northwest Corner of the Intersection (Abernathy Road)

Project Description: Remove the existing striped island located in the northwest corner of the Roswell Road at Abernathy Road intersection that makes it look like an acceleration lane is provided on Abernathy Road for vehicles making a right turn from southbound Roswell Road to westbound Abernathy Road. Add new striping to the northwest corner to better delineate the travel path for vehicles making the right-turn movement.



Project Purpose:

- Addresses rear-end crashes for vehicles turning right onto Abernathy Road from Roswell Road
- Communicates to southbound right-turning drivers to stop, rather than yield, prior to completing a right turn when the southbound approach has a red signal
- Encourages drivers to slow down prior to turning right onto Abernathy Road from Roswell Road when the southbound approach has a green signal

Package 2

- A. Modify Southbound Overhead Signs (Roswell Road)
- B. Install Barrier Separation Between Southbound Through & Left-Turn Lanes (Roswell Road)



Project 2A: Modify Southbound Overhead Signs (Roswell Road)



Project 2A: Modify Southbound Overhead Signs (Roswell Road)

Project Description: Modify overhead signs at the southbound approach of Roswell Road at its intersection with Abernathy Road and remove stop bar at Sunny Brook Lane.



Project Purpose:

- Addresses crashes that occur at the southbound approach, especially rear-end and sideswipe crashes
- Simplifies the amount of information that drivers must absorb and process when approaching the intersection with Abernathy Road, reducing driver distractions and allowing for increases in reaction times

Project 2B: Install Barrier Separation Between Southbound Through & Left-Turn Lanes (Roswell Road)



Project 2B: Install Barrier Separation Between Southbound Through & Left-Turn Lanes (Roswell Road)

Project Description: Install a barrier on Roswell Road separating southbound through lanes from and the left-turn lanes to Abernathy Road. The barrier will prohibit eastbound vehicles traveling from Sunny Brook Lane from making a right turn onto Roswell Road and then immediately turning left onto eastbound Abernathy Road.

Example:



Project Purpose:

- Addresses southbound rear-end crashes approaching Sunny Brook Lane
- Proactively addresses crashes for vehicles attempting to turn from Sunny Book Lane into the southbound left turn lanes
- Discourages risky maneuvers from drivers attempting to turn onto Roswell Road from Sunny Brook Lane