

Arcadia Ingress/Egress Options Safety Comparison: Option 2C vs 4

Access Maneuver	Option 2C (Improved signal at Buck & Bypass)	Option 4 (U-turn option)	Comments/Conclusions
Left turn into Arcadia from NB Buck Rd	Signalized, protected left turn at intersection signal	Unprotected left turn across two SB Buck Rd lanes of traffic from Newtown Bypass & South Sycamore Street	Option 2C provides a safer turn by providing protected (left turn only) access
Right turn into Arcadia from SB Sycamore and EB/WB Newtown Bypass	Right turn in from right-hand SB lane	Right turn in from right-hand SB lane	No difference
Left turn out of Arcadia the Church and two existing residences onto NB Buck Rd, N. Sycamore St, EB or WB Newtown Bypass	Signalized, protected left turn out of development across 2 SB lanes and 5 NB lanes of traffic at intersection signal.	No left turn out permitted. Un-signalized, right turn required with maneuver across 2 SB lanes of Buck Rd to get to left/U-turn lane for autos/SUV's, then a protected U-turn at Diamond Dr/Millpond Rd. NO LEGAL maneuver for truck traffic to go NB on Buck Rd. All truck traffic must proceed SB on Buck Rd to Stoneyford/Middle Holland Rd to make a legal left or right turn to eventually proceed NB on Buck Rd	This is the greatest difference in the two options since the majority of traffic leaving the property will be attempting to get to the Bypass or Sycamore St into Newtown, both autos and trucks. The greatest safety concern will be the attempted illegal turns to NB Buck Rd that are observed today with existing residents, church attendees and construction traffic, despite signage prohibiting the maneuvers OR illegal U-turn attempts or cut-throughs using Millpond or Diamond Drive. During high traffic times of day, the traffic volume an movement of cars to SB Buck Rd from EB Bypass, SB Sycamore and WB Bypass provide minimal breaks in traffic flow to allow cars or trucks to safely exit the property and safely get into the roadway and then (for autos only) safely get to the left turn lane. Option 2C completely eliminates every one of these safety concerns.
Right turn out of Arcadia property onto SB Buck Rd	Signalized, protected right turn out of the property provided by intersection signal.	Right turn out of the property when breaks in traffic flow permit it.	While both options provided right turn after stop when traffic flow permits, Option 2C also provides signalized, protected right turn out upon green light at the intersection. Option 4 provides no such option.

