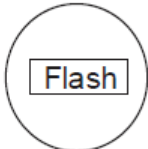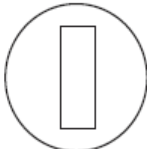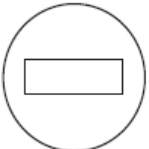# TecNote 1203 – GoBar Overlap setup

Prepare-to-Go Overlap Red (Phase Next)	Go-bar Overlap Green	Prepare-To-Stop Overlap Green	Go-bar All-Red Overlap Red
Flash		Flash	

The GoBar Overlap was developed for the City of Houston Light Rail System. It is available in the V80.x and V85.x/Scout software platforms. This TecNote describes the programming features of the GoBar Overlap.

GoBar General (MM->1->5->2->Olp #->1)

GoBar overlap Type – the GoBar overlap is a two physical indication overlap that is used in BRT/LRT applications. The overlap has four states – steady horizontal (channel red indication), flashing horizontal prepare to go (channel red indication), steady vertical (channel green indication), and flashing vertical prepare to stop (channel green indication). There is no yellow output for this overlap type.

GoBar included Phases (Parents) – the GoBar can have up to 32 included phases associated with it. If an included phase is next, the overlap will flash prepare to go. If an included phase is on, it will be green. If an included phase is terminating it will flash prepare to stop. If no parent is active it will be red.

GoBar modifiers – modifiers have no effect on a GoBar overlap's operation

GoBar Advanced Programming (MM->1->5->2->2, MM->1->5->2->3)

GoBar conflicting phases/overlaps – GoBar overlaps are not compatible with conflicting phase or overlap programming (MM->1->5->2->2)

GoBar no next – under MM->1->5->2->3 there is a feature called GoBarNoNext. The default value is OFF and will cause the GoBar overlap to display a prepare to go indication when a parent phase is next. Setting this value to ON will prevent the prepare to go indication from displaying and the GoBar will go directly from stop to go. Typical usage of this setting is for locations where there is no need to inform the vehicle operator that the signal is about to change (locations where displaying prepare to go would delay the go indication from being displayed). The default value is typically used at station platforms where the vehicle has stopped and the prepare to go informs the vehicle operator that the signal is about to change.

GoBar minimum flash – the user setting GoBarMinFlash is used to force a display of prepare to go for a minimum amount of time regardless of whether a parent phase is already in service. A typical application would be when the GoBar overlap is being used in conjunction with preempt service. As a parent might already be on, programming a value in this field will force the overlap to display prepare to go and not drop directly from red (STOP) to green (GO).

Summary

The GoBar Overlap was developed for the City of Houston Light Rail System. It is available in the V80.x and V85.x/Scout software platforms.