Secondary Barrier Arm Installation

Arm LED Power Wiring
Plug power transformer into wire harness. Connect power transformer to 115 VAC power. Use existing wire restrainers and included zip ties to secure wire. Make sure all wires are clear of moving parts.

Note: If the 1601 arm has LEDs, connect both power harness wires together. Red wires Pos, Black wires Neg.

Secondary Barrier Arm Counterweight Assembly
9 ft Arm: Use 30 counterweights (15 on each side)
10 ft Arm: Use 32 counterweights (16 on each side)
12 ft Arm: Use 32 counterweights (16 on each side)
14 ft Arm: Use 34 counterweights (17 on each side)

The same number of counterweights MUST be on each side of the plate.

Secondary Barrier Arm (Down Position)
Install arm channel sections so arm is centered in channel.

Secondary Barrier Arm (Up Position)
Cut off excess threads flush with top of nut on the sleeve anchors that will come in contact with tires.

Note:
- Can be installed on existing concrete roadway (no asphalt).
- Use 3000 psi reinforced concrete. It MUST be flat.
- DO NOT install directly on asphalt.

Note:
- Secondary barrier arm is a fixed distance for each lane width and will determine the specific placement of the support post assemblies.
- Use 3/4" x 3" minimum sleeve anchors (not supplied).
- Drill 5/8" hole in 1601 to run power harness. Make sure to avoid any internal components.
- Connect secondary arm rod assembly on opposite side of 1601's arm as shown. Adjust using ball joint fixtures so arm lays completely in channel when down.

Note:
- Allow an extra 6 inches of concrete around all structures.

Connect secondary arm rod assembly on opposite side of 1601's arm as shown. Adjust using ball joint fixtures so arm lays completely in channel when down.
SECONDARY BARRIER ARM OPERATION

9 Ft Lane P/N 1620-080
10 Ft Lane P/N 1620-081
12 Ft Lane P/N 1620-083
14 Ft Lane P/N 1620-085

IMPORTANT SAFETY INFORMATION: The secondary barrier arm can produce high levels of force. It is important that you are aware and eliminate possible HAZARDS; Pinch Points, Entrapment Areas, Overhead Power Wires, Absence of Controlled Pedestrian Access, and Traffic Management.

Note: The lane barrier IS NOT a crash rated system. It is designed to enhance traffic enforcement for standard barrier arms.

Regular Maintenance of Secondary Arm Unit
Regular inspection and removal of dirt, debris, gravel, and rock from arm channel is required in order to keep secondary arm unit functioning properly. Neglecting to regularly clean dirt and debris from inside of arm channel may cause a malfunction of the secondary arm unit.

Note: Pedestrians
Bicycles
Motorcycles

WARNING
Moving Gate Can Cause Serious Injury or Death
KEEP CLEAR! Gate may move at any time without prior warning.
Do not let children operate the gate or play in the gate area.
This entrance is for vehicles only. Pedestrians must use separate entrance.