



CRASHWORTHINESS (SIDE IMPACT PROTECTION)

The unique chassis platform of a GILLIG Low Floor consists of a **stainless steel structure with integral side impact barriers**. To buffer the potential danger to these passengers, the chassis of the GILLIG Low Floor incorporates unique angled stainless steel protective side impact barriers. The force of an impending vehicle during a side impact incident is absorbed by these barriers and is directed downward and away from the passenger compartment.

Results of the side impact test are quite impressive (see included Crash Test results). The impact of a 4,000-pound vehicle into the sidewall of the Low Floor bus deformed the sidewall by **less than one half of an inch**. This provided ample evidence to the strength of the side impact barriers. Repair of this side impact was completed in a very short time due to our quick change panels and gusseted structure. The repair cost was less than \$1000.

The robust, integral side impact barrier has been designed to afford maximum collision security to passengers inside the low floor section of the bus. This fifteen inch high barrier also provides a significant structural element by equipping the center section of the frame with a sturdy perimeter.



Stainless Steel Chassis w/ Side Impact Barriers



Side Impact Barrier



Center Chassis Module with Crash Barrier