

Best Practice: Concrete Anti-Vehicle Barricades



Category: Perimeter Control
Location First Observed: Sriracha Harbor, Thailand
Date First Observed: June, 2005

Description: The Sriracha Harbor facility staged “jersey barrier” concrete barricades adjacent to the entrance to their facility to be used to close the facility entrance in event of an elevated threat level.

Discussion: Concrete barricades – sometimes called “Jersey Barriers” - are highly effective at stopping vehicles. This facility maintained five concrete barricades directly adjacent to their single entrance. In the event of an elevated threat level, the facility’s security plan called for placing the barricades in front of the entrance, closing it to vehicle traffic. The barricades are relatively inexpensive to purchase or manufacture. They are moved by large fork-lift truck, or other heavy equipment with appropriate harness. Concrete barricades should be constructed with easy-use lifting points so they can be quickly positioned. As above, barricades can be painted in bright colors to make them highly visible, or with wording such as “Closed Area” and “Keep Out”.

When considering the use of concrete barricades, it is important to take note of adjacent perimeter control. A vehicle can easily circumvent barricades by driving through an adjacent chain link fence instead.

Potential Down-side: Depending on the number of concrete barricades used, their manufacture, and the way they are configured, it is possible to defeat them with a large powerful vehicle. To be most effective, barricades should be made of concrete over a large rebar frame, and installed in an overlapping pattern to sequentially slow, then stop, any approaching vehicle. Concrete barricades cannot be quickly positioned. It can take up to 30 minutes to re-position five concrete barricades a short distance.

Conclusion: Concrete barricades are an inexpensive means to provide high level anti-vehicle barricade security.

Cost: \$80 - \$100 (USD) per eight foot concrete barricade.