CLAIMS

1. A structure for a movable security barrier, the structure having an impact facing side and a protection facing side, the structure comprising:

a first bollard support for supporting a first bollard, a carrier structure supporting the first bollard support, the first bollard support being movable along a track within the carrier structure, and a movable retention means for preventing movement of the first bollard support along the track, and wherein

the movable retention means comprises a lid of the carrier structure, the lid being movable between a closed position in which the first bollard support is in one of a first location and a second location and is prevented from movement along the track, and an open position in which at least the first bollard support can be moved along the track between the first position and the second position.

2. The structure according to claim 1 further comprising a second bollard support for supporting a second bollard, the carrier structure supporting the second bollard support and wherein the second bollard support is movable along the track within the carrier structure, and the movable retention means further prevents movement of the second bollard support along the track, and wherein the track runs substantially parallel to and in between the impact facing side and the protection facing side.

3. The structure according to claim 1 or claim 2 wherein at least the first bollard support comprises a base plate for moving along the track, a security bollard retention portion comprising a substantially vertically extending tubular portion and a substantially horizontally extending tubular section between the vertically extending tubular portion and the impact facing side and opening into the vertically extending tubular portion adjacent to the base plate and/or wherein the second bollard support comprises a base plate for moving along the track, a security bollard retention portion comprising a substantially vertically extending tubular portion and a substantially horizontally extending tubular section between the vertically extending tubular portion and the impact facing side and opening into the vertically extending tubular portion adjacent to the base plate.

4. The structure according to claim 2 or any claim dependent thereon, wherein when in the closed position the second bollard support is in one of the second location and a third location and is prevented from movement along the track, and when the lid is in the open

position the second bollard carrier can be moved along the track between the second position and the third position.

5. The structure according to any one of the preceding claims, wherein the lid comprises a substantially planar steel structure forming a first opening at the first location and a second opening at the second location, and wherein the lid comprises reinforcement adjacent the first opening and adjacent the second opening and, optionally, wherein the lid forms a third opening therein at the third location.

6. The structure according to claim 5 wherein the lid further forms a fourth opening at a fourth location, and wherein with the lid in an open position the first and second bollard carriers can be moved between a first configuration in which they are in the first and second positions respectively, a second configuration in which they are in the second and third positions respectively, and a third configuration in which they are in the first and fourth positions respectively, and wherein with the lid in the closed position the first and second bollard carriers are each respectively retained in one of the first, second, and third configurations and wherein the third and fourth positions are outboard of the second and first positions respectively.

7. The structure according to claim 3, or any claim dependent thereon, wherein the carrier structure comprises a first lip section extending from the impact facing side towards the protection facing side such that when the first bollard support is in the first location the first lip section extends over the substantially horizontally extending tubular section and wherein the carrier structure comprises an elongate first load spreader bar oriented parallel to the track and attached to the first lip section such that when the first bollard support is in the first location the first load spreader bar extends over, and to either side of, the substantially horizontally extending tubular section thereof.

8. The structure according to claim 7 and claim 4, wherein the carrier structure comprises a second lip section extending from the impact facing side towards the protection facing side such that when either of the first bollard support and the second bollard support is in the second location the second lip section extends over the substantially horizontally extending tubular section and wherein the carrier structure comprises a further elongate first load spreader bar oriented parallel to the track and attached to the second lip section such that when either of the first bollard support and the second bollard support is in the second location the further elongate first load spreader bar extends over, and to either side of, the substantially horizontally extending tubular section thereof.

9. The structure according to any one of the preceding claims wherein the carrier structure comprises a substantially U-shaped channel having the track running along the interior of a base thereof and wherein the U-shaped channel comprises a second load spreader bar oriented parallel to the track and attached thereto on an inner side of its protection facing side and an outer support on an outer side of its protection facing side, the outer support comprising an elongate bar, the second load spreader bar and the outer support located adjacent the first position, and optionally the second position, and extending parallel to the track.

10. The structure according to any one of the preceding claims, wherein the structure further comprises at least one first brace extending from the carrier structure towards the impact facing side and/or at least one second brace extending from the carrier structure towards the protection facing side; said at least one first and/or at least one second brace each comprising a substantially horizontal planar base plate and one or more substantially vertical planar web sections, the one or more substantially vertical planar web sections extending between the substantially horizontal planar base plate and the carrier structure, and/or wherein the structure comprises a cover portion adjacent the first location, the cover portion configured such that when the lid is in the closed position the cover portion and the lid form a substantially continuous co-planar upper surface of the structure and wherein the first opening is formed between the lid and the cover portion the lid.

11. The structure according to claim 8 comprising a first and a second brace at each of the first location and the second location.

12. A security barrier comprising a structure according to any one of the preceding claims and a first bollard located in the first bollard support.

13. The security barrier according to claim 12, depending through claim 2, wherein the security barrier comprises a second bollard located in the second bollard support.

14. A security barrier system comprising a first security barrier according to claim 12 or claim 13, and a second security barrier according to claim 12 or claim 13, the first security barrier and the second security barrier arranged adjacent to and aligned with one another along their longitudinal axes.

15. The security barrier according to claim 12 or claim 13, or the security barrier system of claim 14 depending through claim 10, wherein the or each security barrier comprises rebar reinforcement attached to the at least one first brace and/or at least one second brace, and wherein the rebar and the first brace and/or the second brace are substantially encased in concrete.