Claims

[Claim 1]

A mobile body control system comprising:

a storage unit that stores weight setting information in which a plurality of route portions through which a mobile body passes and a weight value indicating movement costs of the route portions are associated with each other, and work information including a work order of the mobile body;

a weight setting unit that creates a plurality of the weight setting information in accordance with the work information; and

a route setting unit that sets a movement route from a movement start position to a destination of the work order by using the weight setting information corresponding to the work information,

wherein the mobile body is an unmanned transport device that holds and transports an object,

the work order includes a transport work order and a non-transport order, and

the weight setting unit creates the weight setting information which is different between the transport work order and the non-transport order.

[Claim 2]

The mobile body control system according to Claim 1,

wherein the weight setting unit creates the weight setting information for the non-transport order such that the route portion which is likely to be adopted for the movement route is less likely to be adopted for the movement route in the non-transport order, based on the weight setting information for the transport work order.

[Claim 3]

The mobile body control system according to Claim 1,

wherein the mobile body is an unmanned transport device that holds and transports an object,

the work information includes size information of at least one of the object and the mobile body, and

the weight setting unit creates the weight setting information which is different between when the size information is equal to or smaller than a predetermined value and when the size information is greater than the predetermined value.

[Claim 4]

The mobile body control system according to Claim 3,

wherein the weight setting unit creates the weight setting information such that a predetermined route portion which is set in advance is less likely to be adopted for the movement route when the size information is greater than the predetermined value.

[Claim 5]

The mobile body control system according to Claim 1,

wherein the work information includes information of an implementation area of work carried out by a worker, and

the weight setting unit creates the weight setting information such that the route portion included in the implementation area is less likely to be adopted for the movement route.

[Claim 6]

The mobile body control system according to Claim 5,

wherein the weight setting unit creates the weight setting information such that the route portion located around the implementation area is less likely to be adopted for the movement route, as a distance from the implementation area increases.

[Claim 7]

An information processing method comprising:

a step of acquiring work information including a work order of a mobile body;

a step of creating a plurality of weight setting information in which a plurality of route portions through which the mobile body passes and a weight value indicating movement costs of the route portions are associated with each other, in accordance with the work information; and

a step of setting a movement route from a movement start position to a destination of the work order by using the weight setting information corresponding to the work information,

wherein the mobile body is an unmanned transport device that holds and transports an object,

the work order includes a transport work order and a non-transport order, and

the step of creating the plurality of weight setting information includes creating the weight setting information which is different between the transport work order and the non-transport order.