Claims

[Claim 1]

An information processing method comprising:

acquiring information on a first route being a travel route of a first mobile body during a first time period, information on a second route being a travel route of a second mobile body during a second time period after the first time period, and information on a next route to the first route of the first mobile body; and

setting a route for standby position as a travel route of the first mobile body during a third time period after the first time period and before the second time period when a target position of the first route is located on the second route, the route for standby position being a route from the target position to a standby position, the standby position being a position not overlapping with the second route;

when the target position of the first route is located on the second route, and the next route is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, the route for standby position is not set for the first mobile body, and when the target position of the first route is located on the second route, and the next route, that is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, is not set, the route for standby position is set for the first mobile body.

[Claim 2]

The information processing method according to claim 1, wherein, in the setting, the standby position is selected from among a plurality of candidate positions not overlapping with the second route.

[Claim 3]

The information processing method according to claim 2, wherein, in the setting, the standby position is selected from among the plurality of candidate positions based on a distance between the target position and each of the plurality of candidate positions.

[Claim 4]

The information processing method according to claim 2 or 3, wherein, in the setting, the standby position is selected from among the plurality of candidate positions based on a positional relationship between a departure position of a travel route of the first mobile body scheduled next to the first route and each of the plurality of candidate positions.

[Claim 5]

The information processing method according to any one of claims 2 to 4, wherein, in the setting, the standby position is selected from among the plurality of candidate positions based on expected arrival time to the standby position when the route for standby position is set in such a manner that the first mobile body will not pass through a section where a different mobile body other than the first mobile body is scheduled to move after the first time period, during a time period identical to a time period of the different mobile body.

[Claim 6]

The information processing method according to any one of claims 1 to 5, further comprising causing the first mobile body to move along the route for standby position.

[Claim 7]

An information processing device comprising:

a route information acquisition unit configured to acquire information on a first route being a travel route of a first mobile body during a first time period, information on a second route being a travel route of a second mobile body during a second time period after the first time period, and information on a next route to the first route of the first mobile body; and

a work setting unit configured to set a route for standby position as a travel route of the first mobile body during a third time period after the first time period and before the second time period when a target position of the first route is located on the second route, the route for standby position being a route from the target position to a standby position, the standby position being a position not overlapping with the second route;

when the target position of the first route is located on the second route, and the next route is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, the route for standby position is not set for the first mobile body, and when the target position of the first route is located on the second route, and the next route, that is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, is not set, the route for standby position is set for the first mobile body.

[Claim 8]

A program for causing a computer to execute:

acquiring information on a first route being a travel route of a first mobile body during a first time period and information on a second route being a travel route of a second mobile body during a second time period after the first time period, and information on a next route to the first route of the first mobile body; and

setting a route for standby position as a travel route of the first mobile body during a third time period after the first time period and before the second time period when a target position of the first route is located on the second route, the route for standby position being a route from the target position to a standby position, the standby position being a position not overlapping with the second route;

when the target position of the first route is located on the second route, and the next route is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, the route for standby position is not set for the first mobile body, and when the target position of the first route is located on the second route, and the next route, that is set in a time period earlier than the second time period and has a target position at a position that does not overlap with the second route, is not set, the route for standby position is set for the first mobile body.