CLAIMS

[Claim 1]

A transport system comprising:

a transport vehicle that transports an article by traveling along a track, and

a controller that controls the transport vehicle, wherein

a destination of the transport vehicle includes a processing position, which is a position for delivering the article to a processing unit, and a storage position, which is a position for delivering the article to a storage shelf for temporary storage of the article, and

the controller is configured to execute,

when shutting down a target route, which is a route selected from a plurality of routes on the track,

a pre-processing that performs at least one of the following processes:

(1) to evacuate the article located in a closed area, which is an area that is scheduled to be closed due to the shutting-down of the target route, to an effective area, which is an area that is not closed before or after the shutting-down of the target route, using the transport vehicle, or (2) to permit the transport whose destination is the processing position in the closed area and prohibit the transport whose destination is the storage position in the closed area, and

a route down processing, which is a process performed after the pre-processing and prohibits the transport vehicle from traveling on the target route.

[Claim 2]

A transport system comprising:

a transport vehicle that transports an article by traveling along a track, and

a controller that controls the transport vehicle, wherein

a destination of the transport vehicle includes a processing position, which is a position for delivering the article to a processing unit, and a storage position, which is a position for delivering the article to a storage shelf for temporary storage of the article, and

the controller is configured to execute, when shutting down a target route, which is a route selected from a plurality of routes on the track,

a pre-processing that allows only some of the transport vehicles to pass through the target route,

wherein the controller is configured to cause the transport vehicle to travel to the destination on a route that does not pass through the target route, when a detour route that avoids the target route exists, and

the controller is configured to cause the transport vehicle to travel to the destination on a route that passes through the target route, when a detour route that avoids the target route does not exist, and wherein the controller is configured to perform a route down processing, which is a process performed after the pre-processing and prohibits the transport vehicle from traveling on the target route.

[Claim 3]

The transport system according to claim 1or 2, wherein

the pre-processing includes a process that evacuates the article located in the closed area to the effective area using the transport vehicle, and

the controller is configured to evacuate all the articles from the closed area to the effective area after evacuation destinations have been secured for all the articles to be evacuated from the closed area to the effective area.

[Claim 4]

The transport system according to claim 3, wherein

the article is a container that houses an object to be transported.