CLAIMS:

1. An information processing apparatus (10) of a server (1) capable of two way communication with a plurality of vehicles (2), characterized by comprising:

(a) a storage unit (33) configured to store a location of an autonomous driving prohibition section on a map in association with a release condition set based on a traveling state of each vehicle (2); and

(b) a control unit (32), the control unit (32) of each vehicle (2) configured to:

(i) acquire through communication with the vehicle (2) the traveling state of the vehicle (2), wherein the traveling state includes the location of the vehicle (2) on the map, as acquired from the vehicle (2) and at least one of:

a motion state of the vehicle (2), as acquired from at least one internal sensor (212);

circumstances around the vehicle as acquired from at least one external sensor (213) of the vehicle (2); and

wiper (215) output operating information of the vehicle (2);

(ii) determine at the server (2) whether or not to release the autonomous driving prohibition section based on the acquired traveling state of the vehicle (2), the location of the autonomous driving prohibition section and the release condition of the autonomous driving prohibition section, the location and the release condition being stored in the storage unit (33),

wherein

the storage unit (33) is configured to store a location of a first autonomous driving prohibition section that is the autonomous driving prohibition section on the map in association with a first release condition as the release condition where the number of vehicles (2) passing through the first autonomous driving prohibition section, as determined from the traveling state acquired from the vehicles, becomes a specified number or more, and

the control unit (32) is configured to determine release of the first autonomous

driving prohibition section when the number of the vehicles (2) passing through the first autonomous driving prohibition section is the specified number or more.

2. The information processing apparatus (10) according to claim 1, wherein

the first autonomous driving prohibition section is a section set as the autonomous driving prohibition section due to existence of an obstacle.

3. The information processing apparatus (10) according to any one of claims 1 or 2, wherein

the storage unit (33) is configured to store a location of a second autonomous driving prohibition section that is the autonomous driving prohibition section on the map in association with a second release condition as the release condition where the vehicle (2) passes through the second autonomous driving prohibition section without activation of onboard equipment, and

the control unit (32) is configured to acquire operating information on the onboard equipment from the vehicle (2) as the traveling state and determine release of the second autonomous driving prohibition section when the vehicle (2) passes through the second autonomous driving prohibition section without activation of the onboard equipment.

4. The information processing apparatus (10) according to claim 3, wherein

the second autonomous driving prohibition section is a section set as the autonomous driving prohibition section due to rainy weather, and the onboard equipment is a wiper (215).

5. The information processing apparatus (10) according to any one of claims 1 to 4, wherein

the storage unit (33) is configured to store a location of a third autonomous driving prohibition section that is the autonomous driving prohibition section on the map in association with a third release condition as the release condition where the vehicle (2)

passes through the third autonomous driving prohibition section without activation of a travel system, and

the control unit (32) is configured to acquire operating information on the travel system from the vehicle (2) as the traveling state, and determine release of the third autonomous driving prohibition section when the vehicle (2) passes through the third autonomous driving prohibition section without activation of the travel system.

6. The information processing apparatus (10) according to claim 5, wherein

the third autonomous driving prohibition section is a section set as the autonomous driving prohibition section due to the section being a low friction road, and the travel system is a system for slip prevention.

7. The information processing apparatus (10) according to any one of claims 1 to 6, wherein

the storage unit (33) is configured to store a location of a fourth autonomous driving prohibition section that is the autonomous driving prohibition section on the map in association with a fourth release condition as the release condition where a difference between speed of the vehicle (2) traveling in a merging destination section connected to the fourth autonomous driving prohibition section and a speed limit of the merging destination section is less than a prescribed speed, and

the control unit (32) is configured to determine release of the fourth autonomous driving prohibition section when the difference between the speed of the vehicle (2) traveling in the merging destination section and the speed limit of the merging destination section is less than the prescribed speed.

8. The information processing apparatus (10) according to claim 7, wherein

the fourth autonomous driving prohibition section is a section having a merging point ahead of the section.

9. An information processing method including two way communication between a server (1) and a plurality of vehicles (2), characterized by comprising:

(a) storing in a storage unit (33) of a server (1) a location of an autonomous driving prohibition section on a map in association with a release condition set based on a traveling state received from each vehicle (2);

(b) acquiring the traveling state of each vehicle (2) including the location of the vehicle (2) on the map through communication from the vehicle (2) by a control unit (32) and including at least one of:

(i) a motion state of the vehicle (2), as acquired from at least one internal sensor (212);

(ii) circumstances around the vehicle (2) as acquired from at least one external sensor (213) of each vehicle (2); and

(iii) wiper (215) output operating information from the vehicle (2); and

(c) for each vehicle (2), determining whether or not to release the autonomous driving prohibition section by the control unit (32) of the server (1) based on the acquired traveling state of the vehicle (2), the location of the autonomous driving prohibition section and the release condition of the autonomous driving prohibition section, the location and the release condition being stored in the storage unit (33),

wherein

the autonomous driving prohibition section is a first autonomous driving prohibition section set as the autonomous driving prohibition section due to existence of an obstacle,

the release condition is a first release condition where the number of vehicles (2) passing through the first autonomous driving prohibition section, as determined from the traveling state acquired from the vehicles (2), becomes a specified number or more, and

the first autonomous driving prohibition section is determined to be released by the control unit (32) when the number of the vehicles (2) passing through the first autonomous driving prohibition section is the specified number or more.

10. The information processing method according to claim 9, wherein

the autonomous driving prohibition section is a second autonomous driving prohibition section set as the autonomous driving prohibition section due to rainy weather,

the release condition is a second release condition where the vehicle (2) passes through the second autonomous driving prohibition section without activation of onboard equipment, and

operating information on the onboard equipment as the traveling state is acquired from the vehicle (2) by the control unit (32), and the second autonomous driving prohibition section is determined to be released by the control unit (32) when the vehicle (2) passes through the second autonomous driving prohibition section without activation of the onboard equipment.

11. The information processing method according to claim 9, wherein

the autonomous driving prohibition section is a third autonomous driving prohibition section set as the autonomous driving prohibition section due to the section being a low friction road section,

the release condition is a third release condition where the vehicle (2) passes through the third autonomous driving prohibition section without activation of a travel system, and

operating information on the travel system is acquired from the vehicle (2) by the control unit (32) as the traveling state, and the third autonomous driving prohibition section is determined to be released by the control unit (32) when the vehicle (2) passes through the third autonomous driving prohibition section without activation of the travel system.

12. The information processing method according to claim 9, wherein

the autonomous driving prohibition section is a fourth autonomous driving prohibition section being a section having a merging point ahead of the section,

the release condition is a fourth release condition where a difference between speed of the vehicle (2) traveling in a merging destination section connected to the fourth autonomous driving prohibition section and a speed limit of the merging destination section is less than a prescribed speed, and

the fourth autonomous driving prohibition section is determined to be released by the control unit (32) when the difference between the speed of the vehicle (2) traveling in the merging destination section and the speed limit of the merging destination section is less than the prescribed speed.