CLAIMS

1. A traveling vehicle that travels along a predetermined traveling path, comprising:

a main body;

a traveling unit configured to allow the main body to travel along the traveling path;

a display unit disposed at the main body and configured to switch a display manner according to a state of the traveling vehicle itself;

an imager configured to capture an image of the display unit provided at a front traveling vehicle located ahead of the traveling vehicle itself; ~~and~~

a control unit configured to acquire a state of the front traveling vehicle based on the display manner captured by the imager, and to control the traveling unit of the traveling vehicle itself based on the acquired state~~.~~; and

an identifier disposed near the display unit, wherein

the control unit acquires a state of the front traveling vehicle based on the display manner captured by the imager and a positional relation between the display unit and the identifier, and controls the traveling unit of the traveling vehicle itself based on the acquired state.

2. The traveling vehicle according to claim 1, wherein

the display unit switches the display manner according to a traveling state of the traveling vehicle itself, and

the traveling state includes an accelerated state and a decelerated state.

3. The traveling vehicle according to claim 1 or 2, wherein the display switches the display manner according to a present location of the traveling vehicle itself.

~~4. The traveling vehicle according to any one of claims 1 to 3, wherein~~

~~the traveling vehicle further includes an identifier disposed near the display unit, and~~

~~4~~ ~~the control unit acquires a state of the front traveling vehicle based on the display manner captured by the imager and a positional relation between the display unit and the identifier, and controls the traveling unit of the traveling vehicle itself based on the acquired state.~~

~~5~~. A traveling vehicle system comprising a plurality of the traveling vehicles according to any one of claims 1 to ~~4~~3.

~~6~~5. The traveling vehicle system according to claim ~~5~~4, further comprising a mirror disposed along the traveling path and configured to reflect the display unit disposed at the front traveling vehicle, wherein

the control unit acquires a state of the front traveling vehicle based on the display manner captured by the imager through the mirror.