1. CUSTOMER SEGMENT(S)

Who is your customer?

- 1.passenger
- 2.highway division
- 3. travellers

2. JOBS-TO-BE-DONE / PROBLEMS

Among its many duties, the Smartboard Connectivity is in charge of keeping correct temperature sensor readings and informing the board of the speed of the customer's vehicle.

6. CUSTOMER CONSTRAINTS

CS

What constraints prevent your customers from taking action or limit their choice of solutions?

The impact of the network on the tests was a significant and unexpected element. Given the quantity of sensors, this IoT-based system was successful in simulating a large-scale smart sign

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face

Along roadways, static signs with clear directions are put as potential fixes.

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story behind the need to do this job?

No Sensor readings from the weather would alter the speed restriction if there was no internet connection.
Unnecessary pressing of the accident indicator button by some people could lead to problems.

BE

7. BEHAVIOUR

What does your customer do to address the problem and get the job

As a teacher, the IOT cloud updates the smartboard on the condition of the roads on a regular

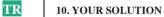
Explore

AS,

3. TRIGGERS

What triggers customers to act?

Poor weather conditions prevail. The vehicle should be moving at threshold speed. The sensor value should be shown on the smart board to alert the customer



We employ smart linked sign boards as an alternative to static signboards. With the help of a web app and weather API, these intelligent connected sign boards automatically update with

8. CHANNELS of BEHAVIOUR

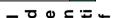
8.1 ONLINE

 SL

What kind of actions do customers take online? Extract online channels from #7

The departments can receive direct emails or messages from customers. (Officers on nearby patrol).

8.2 OFFLINE



 $\overline{\mathbf{CH}}$

4. EMOTIONS: BEFORE / AFTER

How do customers feel when they face a problem or a job and afterwards?

Clients will feel better after selecting an operation mode with the use of smartboard connectivity, and they will then follow the instructions on the smartboard.

 $\overline{\mathbf{EM}}$

the current speed limits. The speed may rise or fall in response to variations in the weather. The display of diversion signs are determined by traffic and potentially fatal situations. As appropriate, there are also signs that read "Guide (Schools), Warning, and Service" (Hospitals, Restaurants). Using buttons, it is possible to choose from a variety of operating modes.

What kind of actions do customers take offline? Following directions is one of the main tasks for the traveler, but they can utilize the smartboard signs to check the state of the road from wherever they are.