Intelligent traffic signal control:

1. Adaptive signal control system:
   (1) Adjusting signal timings in response to variations in traffic demand and system capacity as they occur.
   (2) Location, 2019: Dynamic control of 9 intersections Neihu and Nangang.

2. Traffic-responsive signal control:
   (1) The side streets of some wider major roads have very different traffic flows, but for safety reason for pedestrian, there is a minimum green time for side street even there is no vehicles or pedestrians passing, which wastes time of stopped vehicles on the major streets.
   (2) This plan uses the AI image recognition detector to identify vehicle/pedestrian real-time, calculates and adjusts signal timing at intersection on the field.
   (3) Location, 2019: Lane 75/94, Wenlin North Road(Zhong-zheng Senior High School).
3. Expected Benefits

(1) Reduce flow stops, and improve the movement on the major street
(2) Increase the flexibility of the signal timing control, and improve the efficiency of traffic flow