Adaptive Traffic Control System (ATCS)

Adaptive traffic control system (ATCS) is a traffic management strategy in which traffic signal timing changes, or adapts, based on actual traffic demand. This is accomplished using an adaptive traffic control system consisting of both hardware and software.

ATCS makes use of cameras and sensors for monitoring the traffic. These sensors collect data, which are evaluated to improve signal timings at a particular junction. The sensing network can adapt to the changing traffic density patterns and provide necessary signals to the traffic controller or the Command Center on a real-time basis. It allows signals to interact with each other and make adjustments to the signal timings to keep traffic flow congestion free.

Locations for ATCS are as follows:

S.NO.	LOCATION NAME
1	Elite Chauraha
2	BKD Chauraha
3	Kachehari Chauraha
4	Jeevan Shah Tiraha
5	Allahabad Bank Chauraha
6	Chitra Chauraha
7	Evat Chauraha
8	University Chowki & Medical College Gate No 1
9	Awas Vikas Tiraha
10	Maharaja Agrasen Chauraha
11	Jhansi Hotel Chauraha