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## Previous preparation of intelligent traffic project

### Guest preparation:

#### 1 Basic facilities preparation:

- i. At about one week before testing, guest needs to finish rod installation and all the devices installation.
- ii. Cabinet installation: except for related accessories in cabinet, there should be spare space to lay a terminal server and a network switch. (Finish one week before testing.)
- iii. Network structure: lay all the net cables from capture units to the terminal server, ensuring network communication is normal. (Finish at least two days before testing.)
- iv. Power supply: lay all the power cables from devices to the cabinet, ensuring power supply is working normally. (Finish at least two days before testing.)

#### 2 Technical engineer arrangement






Guest needs to arrange a technical engineer to follow Hikvision engineer to finish the project, thus being well known of device installation, configuration and trouble shooting. During the project proceed, Hikvision engineer will provide professional technical training of traffic products to enhance the skill of guest's engineer. After the project is finished, guest's engineer should be responsible for daily maintenance.

#### 3 Safety

Guest shall guarantee the safety of Hikvision engineer. Crane, safety rope, safety helmet and reflective vest should all be provided. Any time Hikvision engineer goes to site, guest shall arrange at least one employee to go together.

#### 4 Prepare tools & materials: (Finish at least two days before testing.)

Site tools list	
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<p>Construction permit issued by transport management department</p>	
<p>Crane</p>	
<p>local vehicle number plate car</p>	
<p>Ladder(3 meters height)</p>	
<p>Safety rope</p>	

Safety helmet	
Reflective Vest	
Reflective road cone	
Road(lane) ahead closed mark	
Net cable clamp	
Spanner	

Screwdriver	
Meter ruler(100m)	
Multi meter	
Power cable 1.5mm <sup>2</sup>	
Net cables	
Light control signal cable	

Control line(only used for intersection violations system)	
Plastic tie	
Electrical insulation type	
Corrugated pipe	
Main power for all the devices	
Outdoor cabinet	

### Site surveying:

There are several requirements for the check-point installation site:

- The road should be straight, rather than crooked





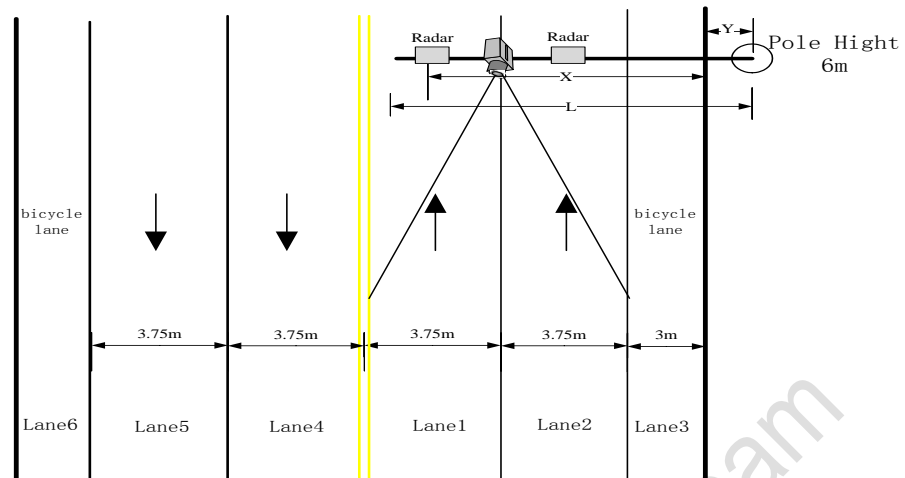
- The site traffic should be fluent and cannot be installed before the traffic light



### Cross arm selection:

The pic below is the standard solution of the check-point cross arm installation. And radar

should be installed in the middle of each lane.



Below figure is the recommendation of cross arm length depends on the number of lanes u want to monitor.

Lane Number	Cross arm length
1	4m to 5m
2	6m to 9m
3	10m to 12m
4	13m to 15m

- The cross arm cannot be too short







- The diameter of cross arm should bigger than 110mm





Overseas Traffic