

TECHNICAL PROPOSAL FOR SPUR

**SPUR TRONOH UNIVERSITI, IPOH LUMUT HWY,31750 TRONOH,
PERAK**

Location : 4.3763664°, 100.9800755°



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TP CHECKLIST

		YES	NO	Remarks
1	TDC existing manhole coordinate	/		4.3763664, 100.9800755
2	Existing premises area manhole coordinate	/		
3	Any Gas pipe signage seen at site? If YES, attach photo.		/	
4	Any TNB cable signage seen at site? If YES, attach photo		/	
5	Any crossing drainage? If YES, attach photo & width of the drainage		/	
6	Any INDAH WATER manhole seen at site? If YES, attach photo		/	
7	Any crossing traffic light? If YES, attach photo & measurement of the traffic light box		/	
8	Has identified related Local Authority? Kindly indicate.	/		JKR
9	Drawing for outside plant (OSP) survey – Residential area & civil work up to last TIME manhole (.dwg format - autocad & .pdf format) *	/		
10	Prepare the complete 1 copy of Technical Proposal (.pdf format & Power point) –of softcopy – 1 copy	/		
11	Bill of Quantity for civil, fibre pulling, splicing & termination	/		
12	The latitude & longitude of the residential area and last TIME manhole in 6 decimal points (xx.xxxxxx, x.xxxxxx) in TP Location Map.	/		
13	Open up the manhole at any spot of joint/ring cut & provide duct space record for this project (photo required). Please make sure that there is TIME cable in the manhole (photo required). If unable to open up the manhole, photo of manhole surrounding is required.		/	
14	Survey Acknowledgement Form signed & attached.	/		
15	Others		/	



GENERAL INFORMATION

Prepared by : CCS Comservice (M) Sdn Bhd

Date of LOI :

Date of Survey : Surveyed by Muhammad zulhusni

Drawing Prepared by: Muhammad Hafiz

Eng. Person In charge : Muhamad Daniel Iman

General Information

Site Name : SPUR TRONOH UNIVERSITI , IPOH LUMUT HWY .

Full Address: SPUR TRONOH UNIVERSITI, IPOH LUMUT HWY,31750 TRONOH, PERAK

Type of Development: SPUR

No of Unit: -

No of unit per row/block :

No of row/block per Dev :

Contact Person

Management/Dev

Comittee

Name: NA H/P : NA

Designation: NA Tel : NA

Email Address: NA

Maintenance / Security Department

Name: Designation: Email NA H/P Tel NA

Address: NA

-

Comments

For TimeDotComBhd Use Only

Remarks



Technical Information	
Distance TIME existing manhole to development (first Hub-Box)	-
MAN to CAN method	- Ext MH / Pole
Number of Hub-Box proposed	- 0 pcs
Number of Sub-Box proposed	- 0 pcs
Number of End-Box proposed	- 0 pcs
Number of Sub-Box Port proposed	- 0 ports
Number of Closure Ringcut proposed	- 0
Number of Distribution Cable proposed:	
1. 50m OFC-DSC-0050	- 0 pcs
2. 100m OFC-DSC-0100	- 0 pcs
3. 150m OFC-DSC-0150	- 0 pcs
4. 200m OFC-DSC-0200	- 0 pcs
5. 250m OFC-DSC-0250	- 0 pcs
6. 300m OFC-DSC-0300	- 0 pcs
OLT (Outdoor/Indoor) proposed	-
Method of MAN	- New MH / Pole / BMH
Method of CAN exit to HomeConnect	- Pole

Construction Details			
Descriptions	Method	Unit(s)	Quantity
Civil	HDD	meter	2290
	MCT 1w	meter	10
	MCT 2w	meter	-
	OPCW	meter	-
	OPCW (MH)	meter	-
	OPGV	meter	-
	OPGV (MH)	meter	-
	TRUNKING	each	-
Fiber Pulling:			
FOC 144C	Duct/ Sub-Duct	meter	2300
	Aerial	meter	-
Connector 1C	Duct/ Sub-Duct	meter	-
	Wall Clip	meter	-
Others (Please Specify):			
MCT Crossing Drain	GI 50mm	meter	-
MCT Crossing Road	HDPE 40mm	meter	-
OPCW	HDPE 40mm	meter	-
OPCW (MH)	GI 100mm	meter	-
OPGV	HDPE 40mm	meter	-

Comment :

For Contractor Use Only :

Based on our detail survey, evaluation study and due diligent conducted, we strongly proposed the above stated technical details to be implemented at this site.

For Client Use Only :



1. PROPOSAL FOR FIXED ACCESS

1.1 Introduction

- 1.1.1 TIME dot Com (TTdC) offers a wide variety of fixed-line telecommunications services. As part of its commitment to provide the customers with the best possible solutions to serve all their communications needs ; TTdC aim to enhance telecommunication services in this residential area to offer the residents with High Speed Internet, Data and Voice connectivity. This residential area will be enhanced today for tomorrow's communication and IT requirements. With that, TTdC provide a choice of Service Providers to the residents and gain a future-proof communication infrastructure.
- 1.1.2 A physical infrastructure link to this residential area is the main access to deliver services to the residents. The typical link required is through fiber optic cable.
- 1.1.3 In order to support the services, TTdC require an access to certain related infrastructure facility in order to provide services to the end user (resident).
- 1.1.4 To be able to deliver these services to the residential area, TTdC will pull its own fiber optic cables from the nearest hub and place its access equipments at certain identified location in the area. In order to reach each of the resident premises (houses), TTdC will lay the required fiber optic cable and drop close to the premises.
- 1.1.5 With this setup we will have TTdC connection right up to each of the resident premises/houses in this residential area.

1.2 Trenching

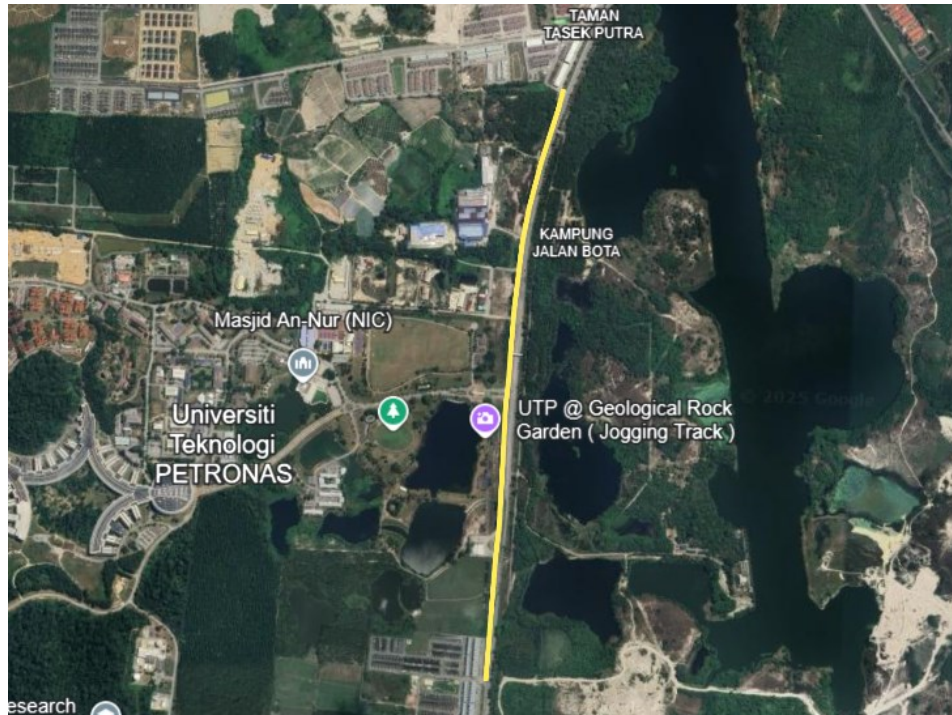
1. The propose trenching route will be implemented in certain identified drainage route situation that are not connected. The purpose is for laying fiber cable along the trenching route to connect from one drainage route to another that is not connected in Bandar Indera Mahkota IM2.
2. The permission to trench is under the identified local authority jurisdiction (MBK) and to be applied separately if necessary.
3. This proposal is based on assumption that there is fiber cable to be connected in the existing TIME manhole.



1.3 Cabling and Ducting

- 1.3.1 TDC will use the existing duct to pull new 144C optical fiber cable from existing TTdC manhole to the proposed TTdC manhole via propose new route. TTdC also propose to utilize the drainage in SPUR Trono University as a cable route.

1.4 Location Map



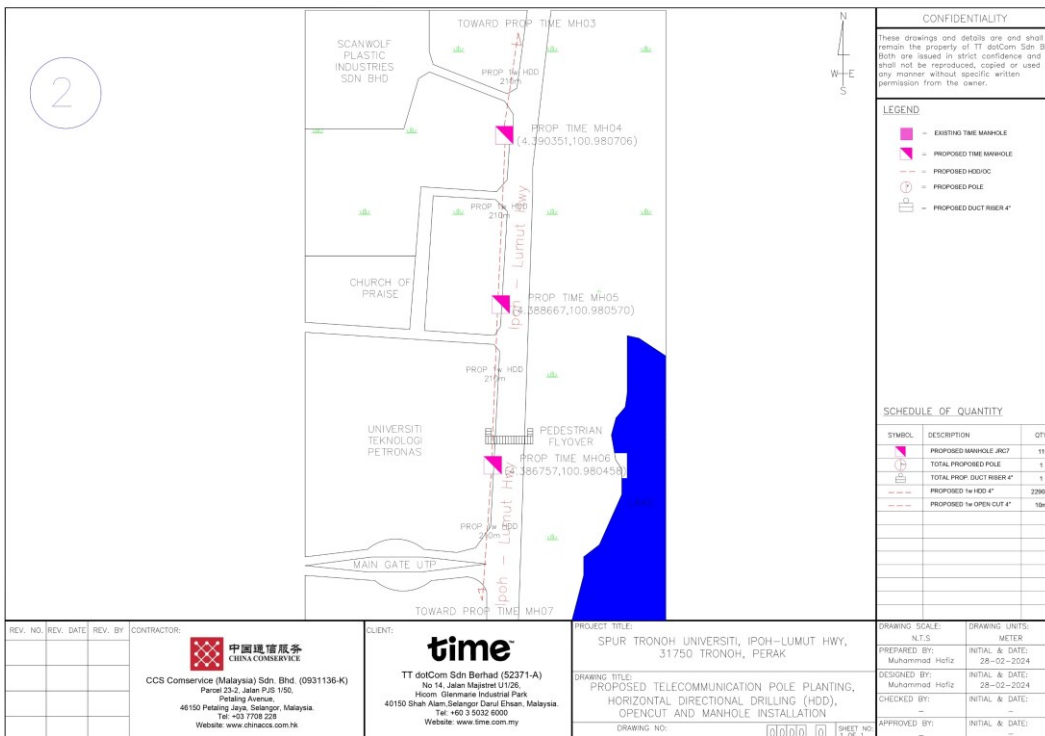
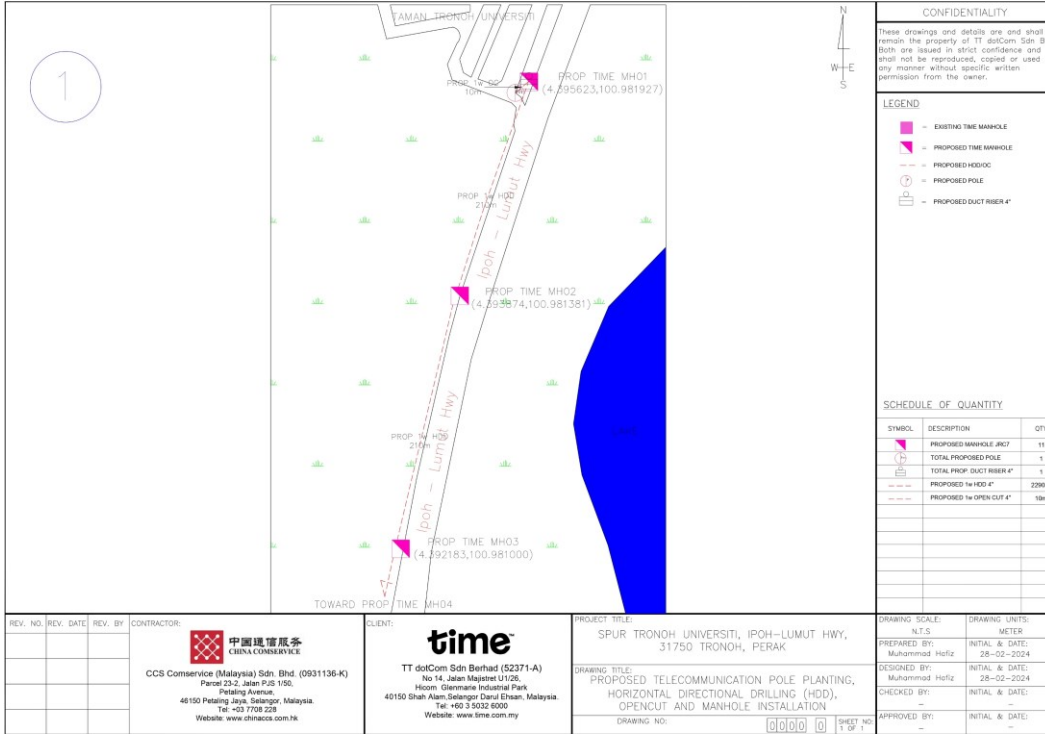
**SPUR TRONOH UNIVERSITI, IPOH LUMUT
HWY, 31750 TRONOH, PERAK**

Lat: 4.3763664 °

Long: 100.9800755 °

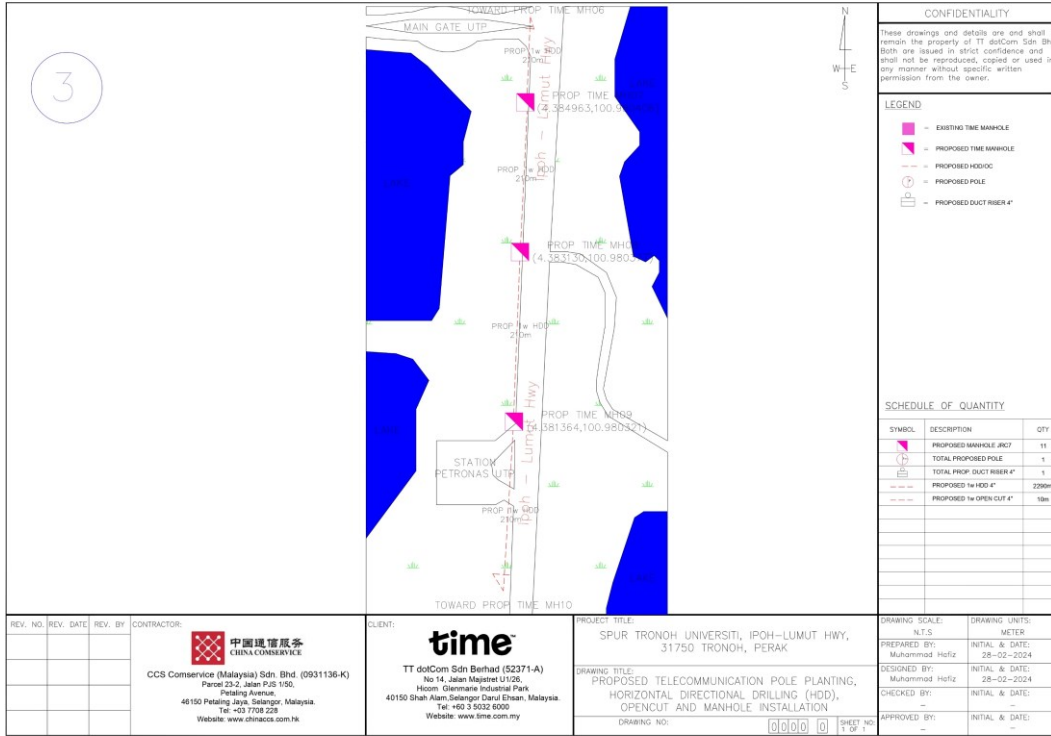
2 APPENDIX A

2.1 DRAWING – SITE PLAN





2.5 DRAWING – SITE PLAN





3 APPENDIX B

2.1 Product Portfolio

TIME DOT COM CONNECTIONS FOR COMMERCIAL	
Private Data Network	<p>Our Virtual Private Network (VPN) is designed to deliver you an efficient, secured and reliable service. We provide point-to-point technology that directly connects you to your clients and employees. We ensure complete privacy and security, while at the same time, maximizing your speed and bandwidth;</p> <ul style="list-style-type: none"> ⇒ Channelized Leased Circuit ⇒ Ethernet Leased Circuit ⇒ International Private Leased ⇒ Circuit (IPLC) ⇒ Metro LAN ⇒ International Ethernet Private Leased Circuit (IEPLC)
Internet	<p>TIME Internet services allow you to connect to the world speedily with high scalability, reliability and security. Choose the best solution that suits your need and TIME will take care of the rest;</p> <ul style="list-style-type: none"> ⇒ Channelized Direct ⇒ Ethernet Direct ⇒ Business Broadband ⇒ Satellite Broadband ⇒ Home Broadband
Voice	<p>We've got a wide range of services from basic phone line with crystal clear voice quality to our account based postpaid Virtual Call service. We also provide local and International toll free services, and even business or individual calling cards. With TIME, it's so easy to stay in touch;</p> <ul style="list-style-type: none"> ⇒ Business Voice Line ⇒ ISDN PRI ⇒ International Toll Free ⇒ Toll Free 1300 ⇒ Toll Free 1800 ⇒ Audio Conferencing ⇒ Home Fixed Line
Managed Services	<p>TIME Managed Services deliver end-to-end networking solutions. Focus on your productivity while we provide you with support possible to take your business to the next level;</p> <ul style="list-style-type: none"> ⇒ IPVPN ⇒ SAN Extension
Wholesale Service	<p>We are able to offer you unmatched capacity and network resiliency. We aim to ensure seamless connectivity and high availability, thus maximizing your operational capabilities;</p> <ul style="list-style-type: none"> ⇒ Wholesale bandwidth ⇒ Wholesale Voice (Transit Premium, Transit CLR) ⇒ Cross Peninsular Cable System (CPCS)

3. APPENDIX B
3.1 Site Photo



Existing TIME MH01 and prop 1w HDD to TIME MH11 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



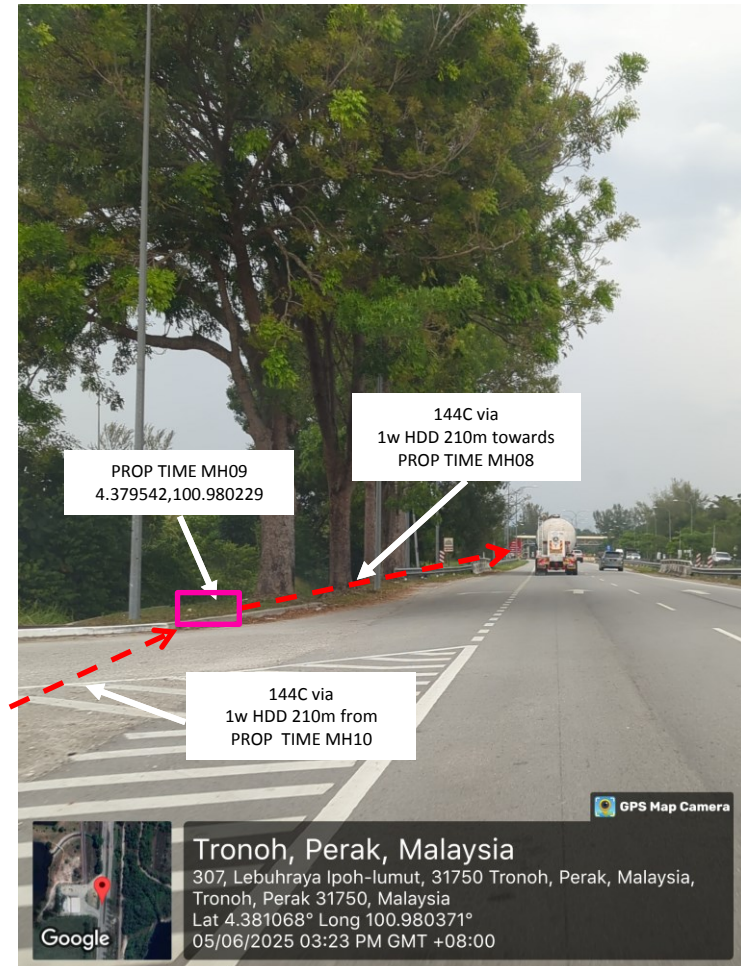
PROP TIME MH11 and prop 1w HDD to PROP TIME MH10 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



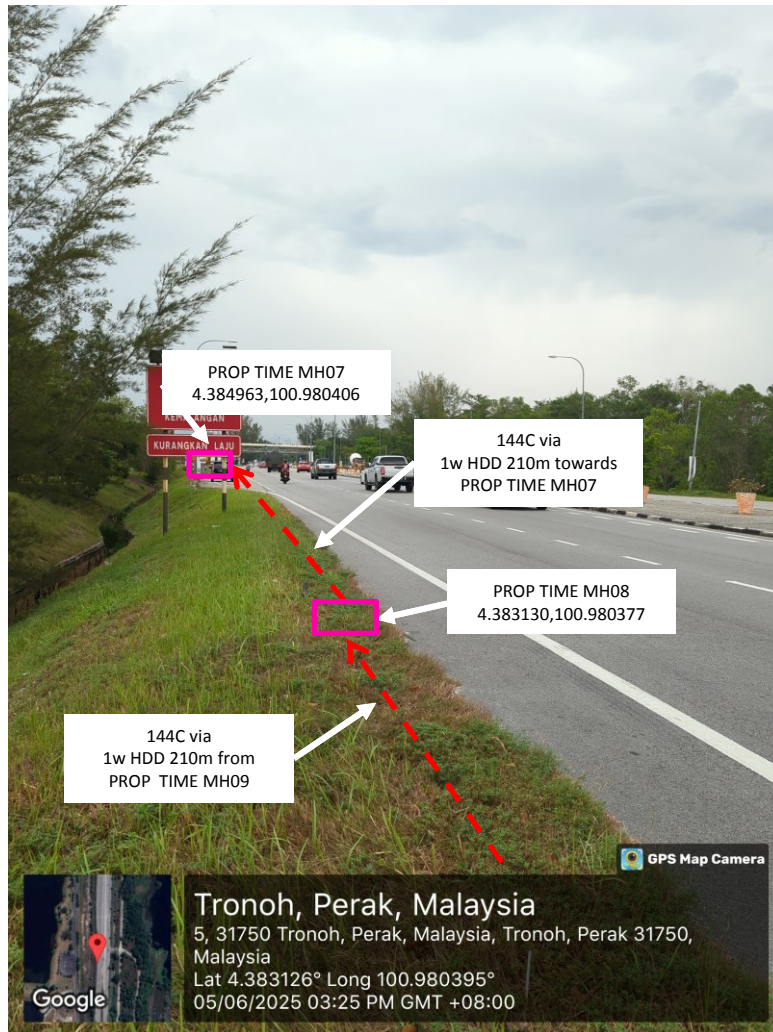
PROP TIME MH10 and prop 1w HDD to PROP TIME MH09 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



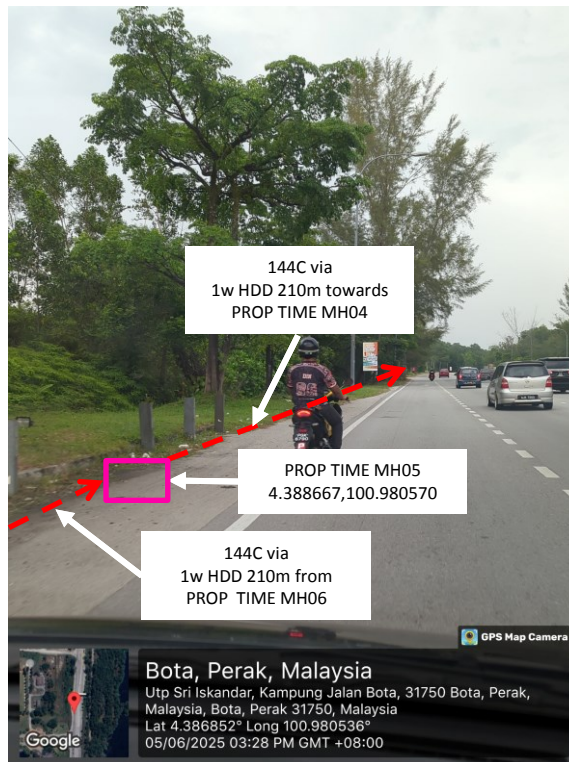
PROP TIME MH09 and prop 1w HDD to TIME MH08 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



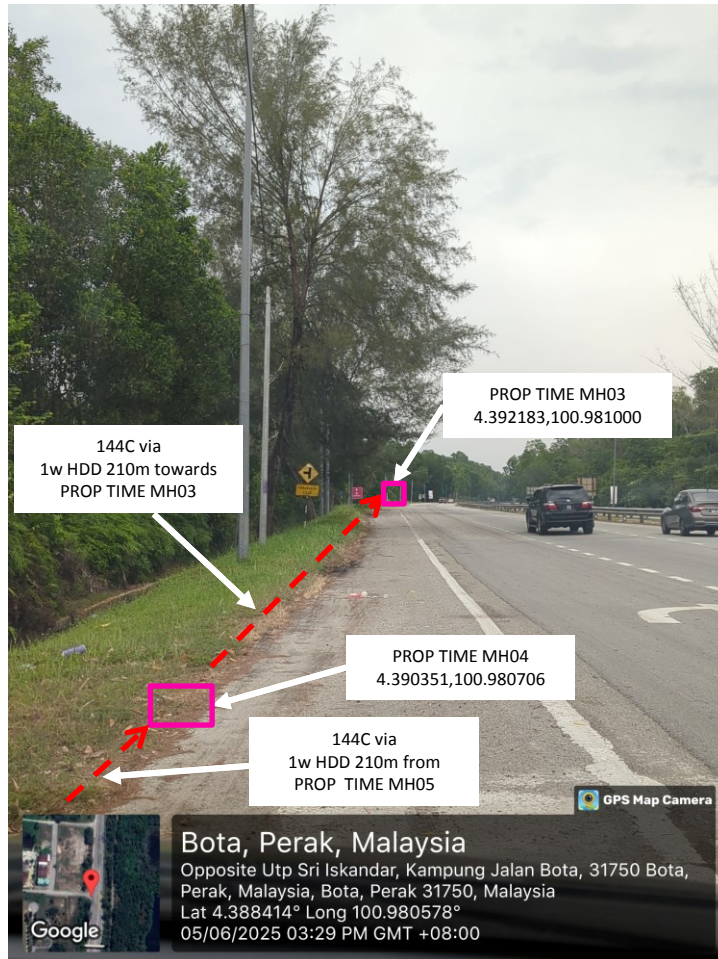
PROP TIME MH08 and prop 1w HDD to TIME MH07 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



PROP TIME MH05 and prop 1w HDD to TIME MH04 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



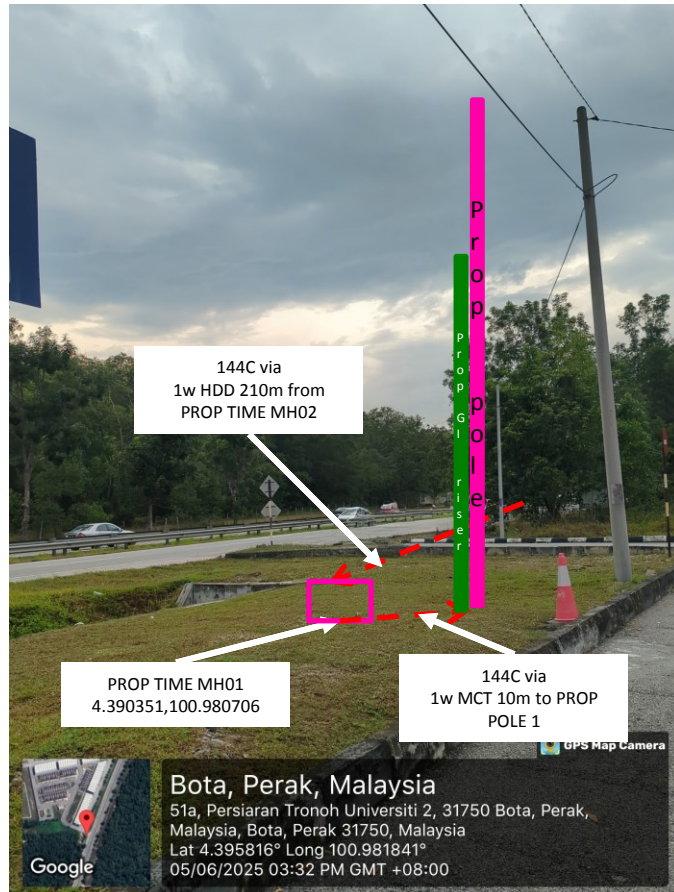
PROP TIME MH04 and prop 1w HDD to TIME MH03 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



PROP TIME MH03 and prop 1w HDD to TIME MH02 at Ipoh – Lumut Highway (JKR)

3. APPENDIX B
3.1 Site Photo



PROP TIME MH01 and prop MCT 1w 5m to P01 at Ipoh – Lumut Highway (JKR)