



ASSOCIATION OF PROFESSIONALS OF
PUBLIC WORKS DEPARTMENT
MALAYSIA
(ProJKRM)



ROAD BRANCH
PUBLIC WORKS DEPARTMENT
MALAYSIA

**“WORK ZONES –
MEETING MOBILITY & SAFETY NEEDS”**

PELAKSANAAN TMP DI TAPAK Dari Perspektif Pegawai Penguasa

Ir Hj Othman Bin Ibrahim
Jurutera Awam Penguasa Kanan
JKR Malaysia



SEMINAR ON
TRAFFIC
MANAGEMENT

#SoTM2018



Kandungan

- Latar Belakang Proyek
- TMP Proyek
- Struktur Organisasi TMP
- Sistem Pelaksanaan TMP
- Strategi TMP
- Staf (Kompetensi & Penglibatan Masa)
- Lain-lain
- Penghargaan



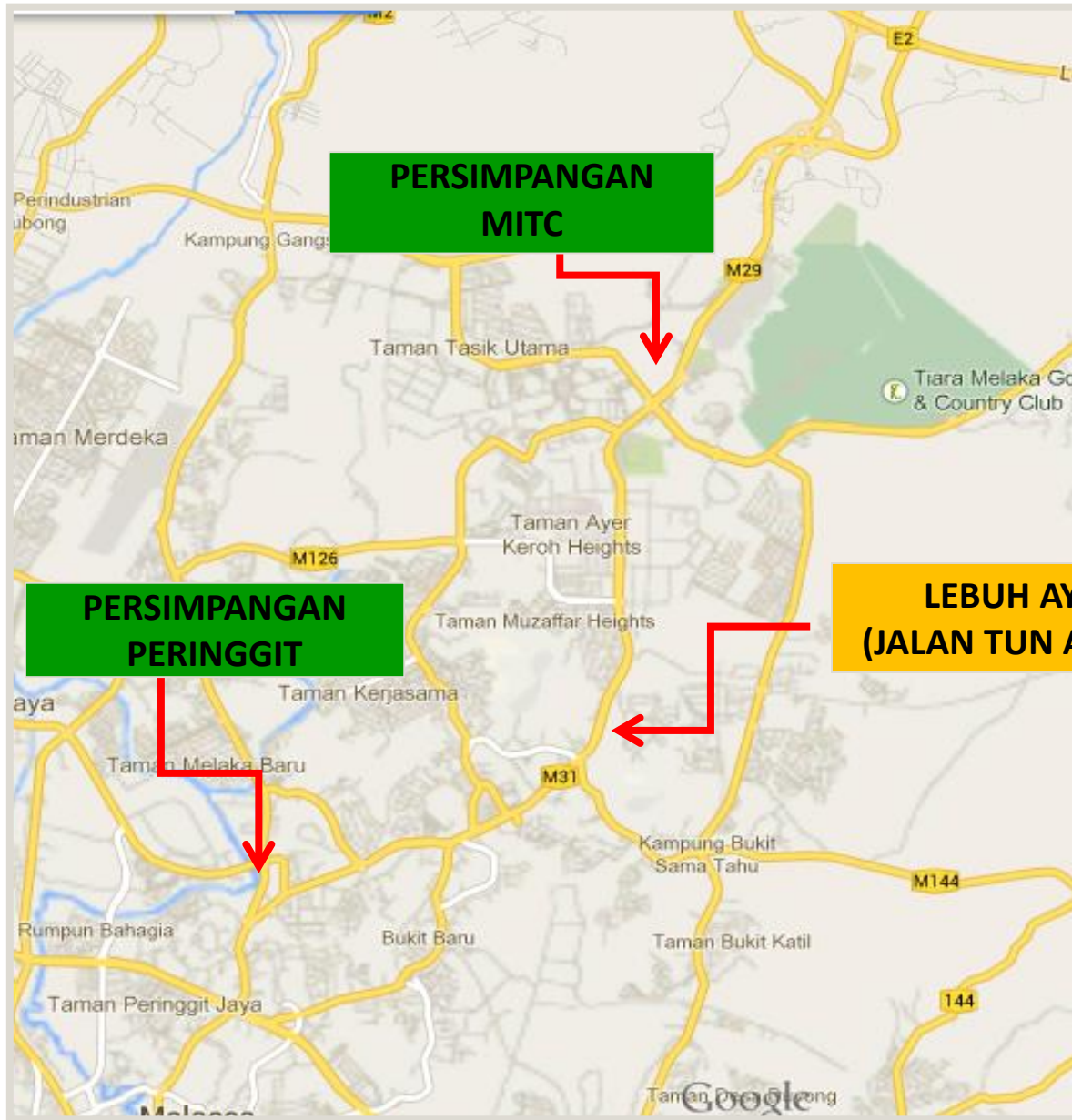
MAKLUMAT KONTRAK

**TAJUK: MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA
(FASA1: PEMBINAAN PERSIMPANGAN PERINGGIT DAN
PERSIMPANGAN MITC)**

NO KONTRAK : JKR/IP/CKUB/36/2014
PEMILIK : KEMENTERIAN KERJA RAYA
PELAKSANA : JABATAN KERJA RAYA MALAYSIA
PERUNDING (C&S) : JURUTERA PERUNDING ZAABA SDN. BHD.
PERUNDING (M&E): MEGA JATI CONSULT SDN. BHD.
KONTRAKTOR : ISEDECOR BINA SDN. BHD.
TARIKH MILIK TAPAK : 17/03/2014
HARGA KONTRAK ASAL : RM286,666,666.00
KADAR LAD : RM51,840.00 / Hari

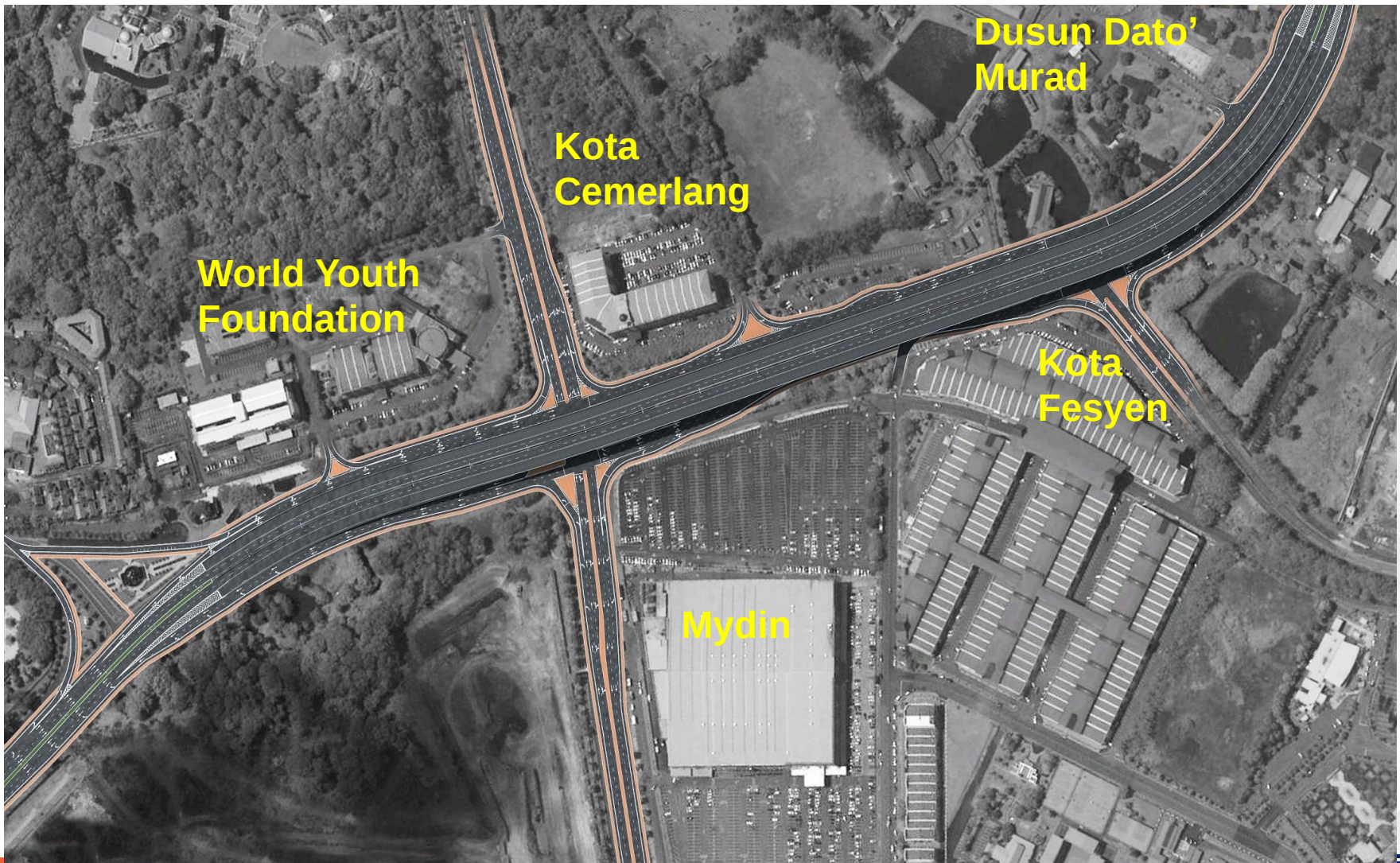
#SoTM2018

PELAN LOKASI



Persimpangan MITC

640m panjang dan 28m lebar

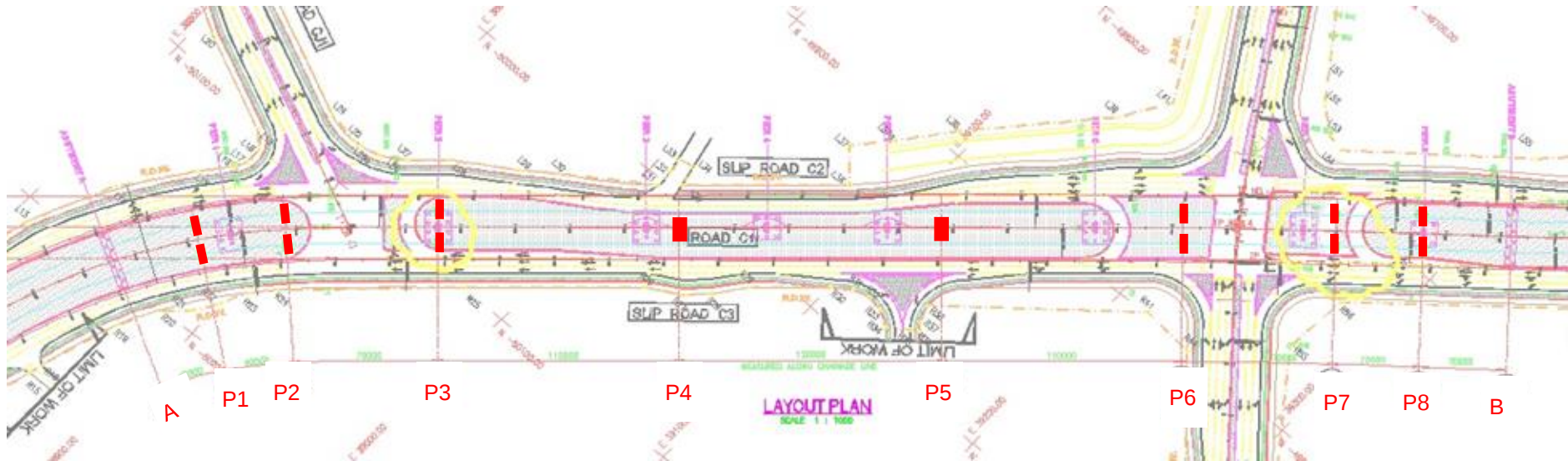




Persimpangan MITC



Butiran Jejambat No. 7 di MITC

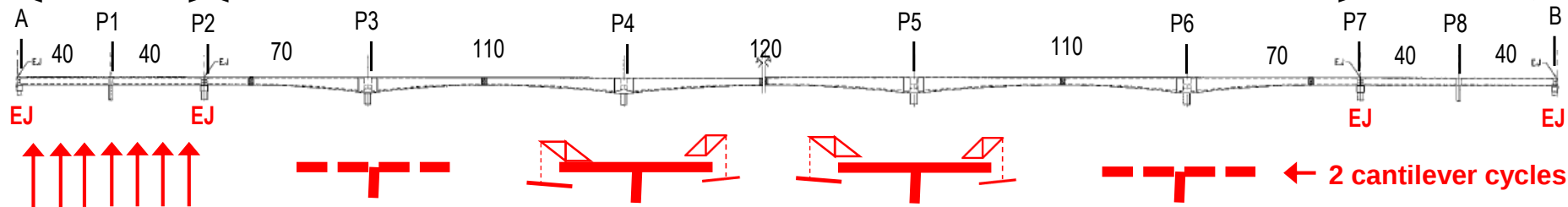


TOTAL LENGTH = 640m

Cast In-Situ Box Girder = 80m

Balanced Cantilever Box Girder = 480m

Cast In-Situ Box Girder = 80m



Span configuration

- Abut A to P2
- P2 to P7
- P7 to Abut B

2 span continuous structure with span length 40m

5 span continuous structure with span of 70m-110m-120m-110m-70m

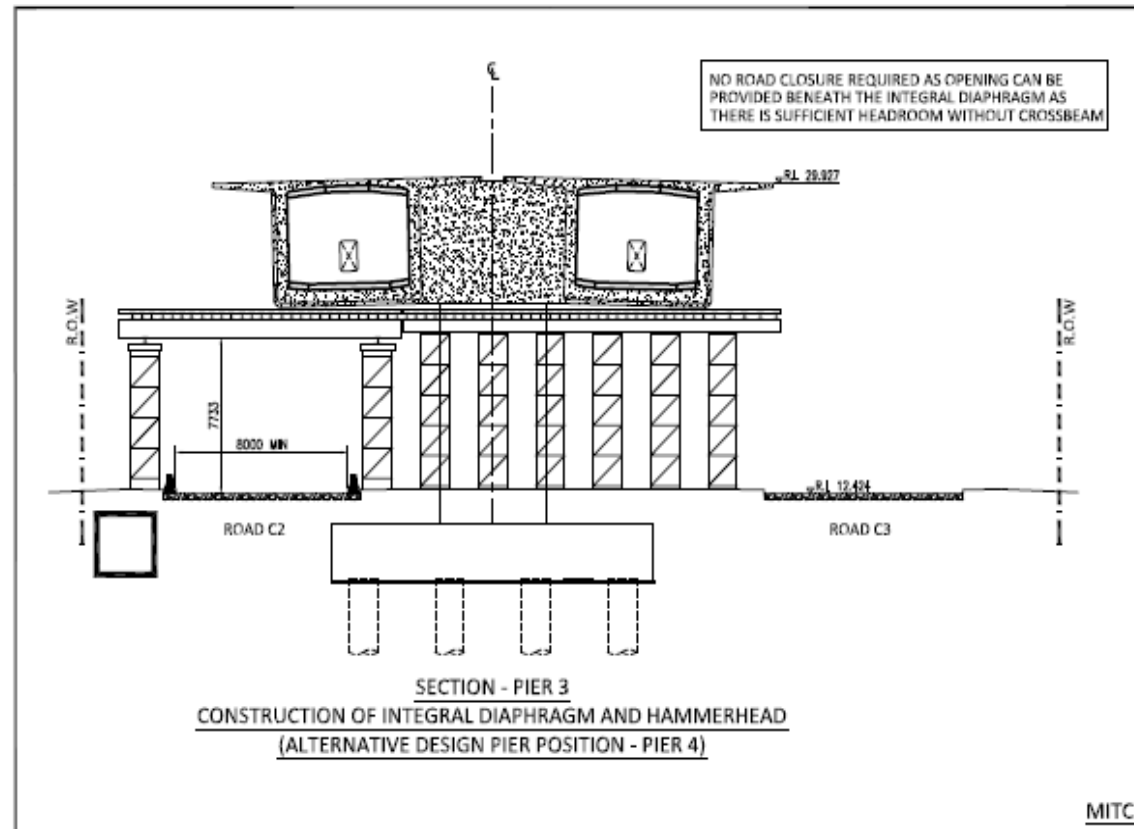
2 span continuous structure with span length 40m

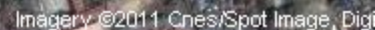
- Keratan Rentas Jejambat No. 7
(Persimpangan MITC)

*Balanced
Cantilever
Method using
Form-Traveler*

Jejambat 7

- Panjang 640 m & Lebar 28.8m
- 9 Spans







PERSIMPANGAN PERINGGIT

Ke Batu Berendam



Ke Ayer keroh

Dari Bandaraya Melaka



Persimpangan Peringgit

Ke Ayer Keroh



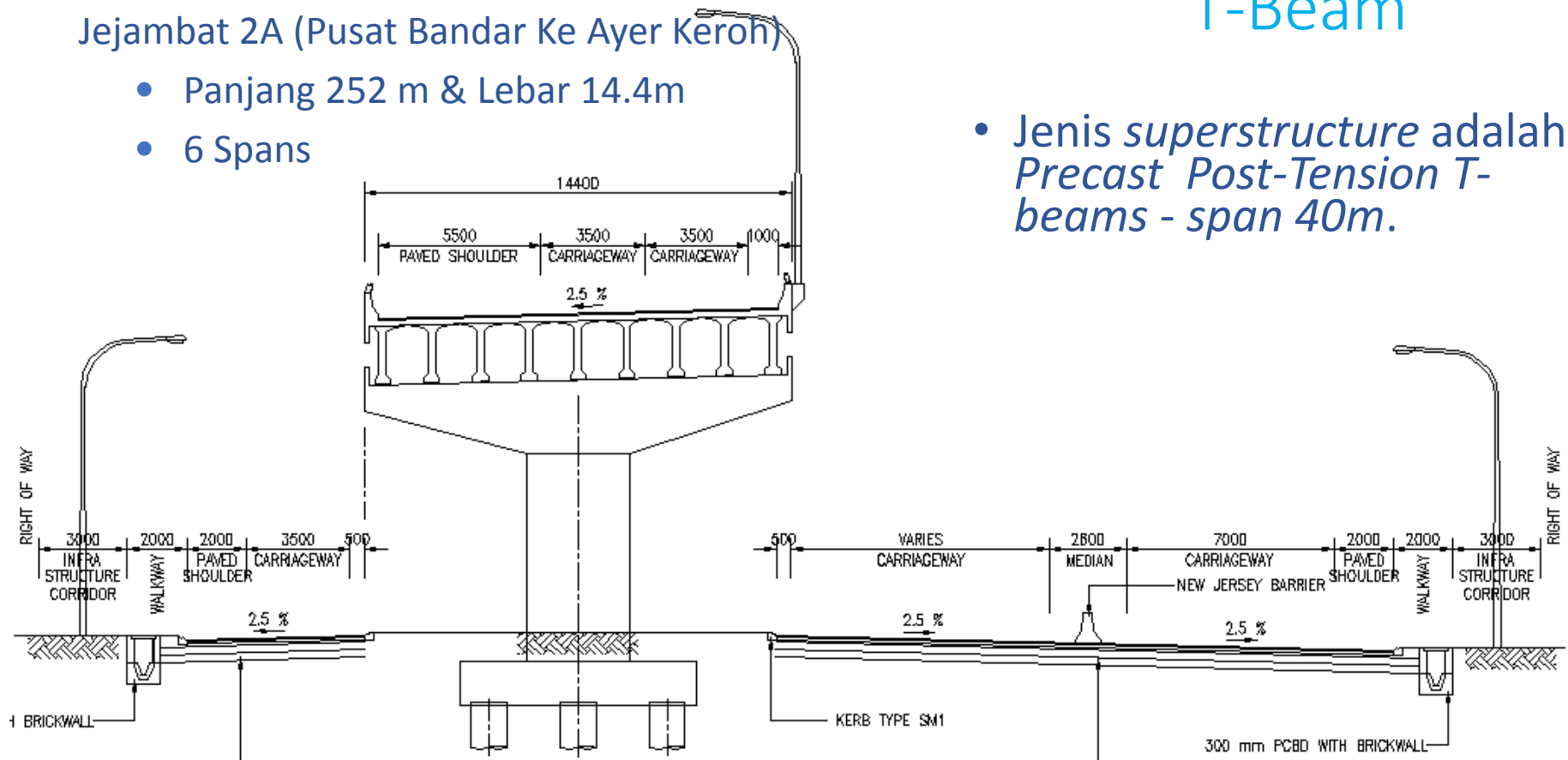
Keratan Rentas Jejambat 2A (Persimpangan Peringgit– Arah Ayer Keroh)

Jejambat 2A (Pusat Bandar Ke Ayer Keroh)

- Panjang 252 m & Lebar 14.4m
- 6 Spans

T-Beam

- Jenis *superstructure* adalah *Precast Post-Tension T-beams - span 40m.*

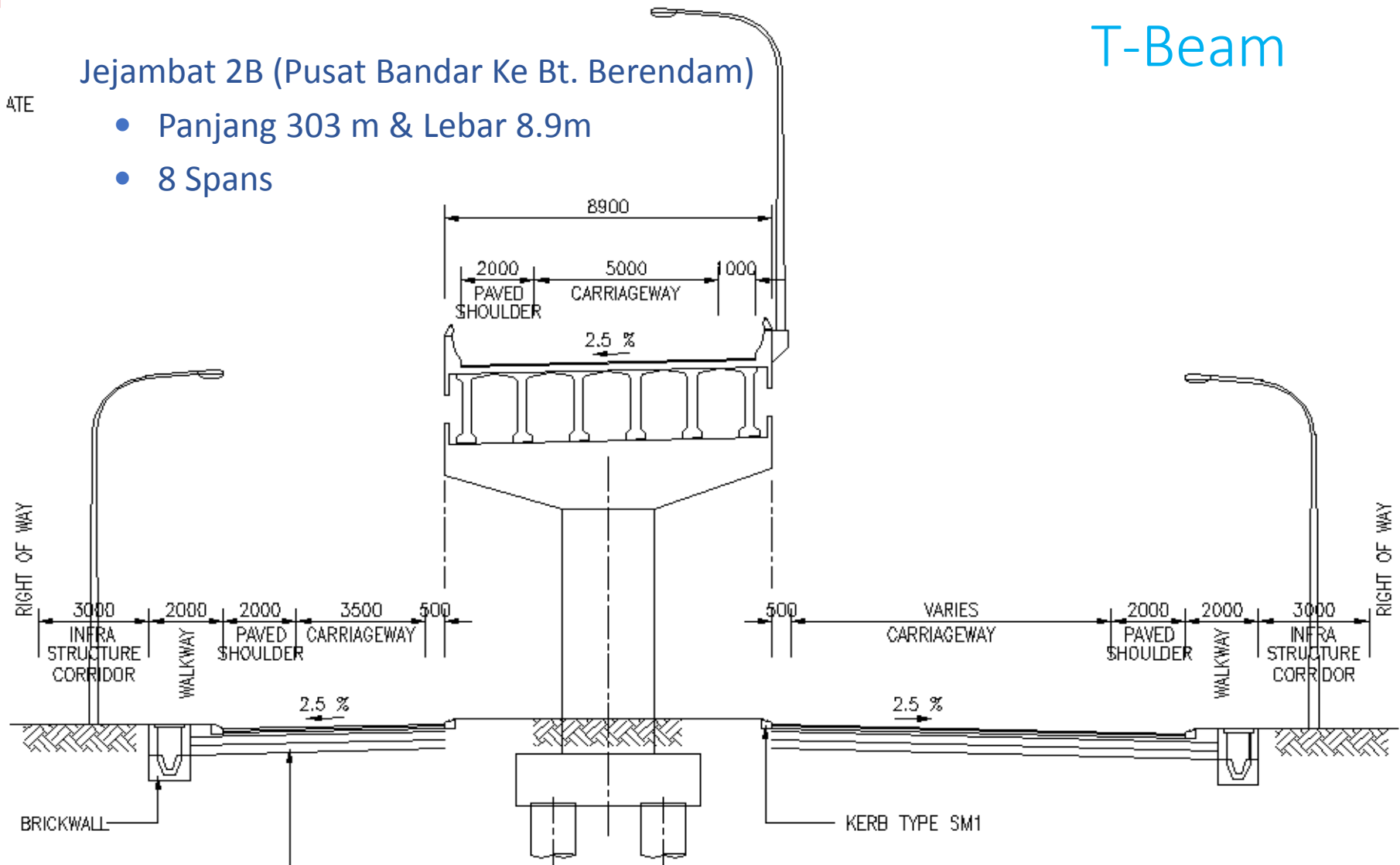


Keratan Rentas Jejambat 2B (Persimpangan Peringgit – Arah Batu Berendam)

T-Beam

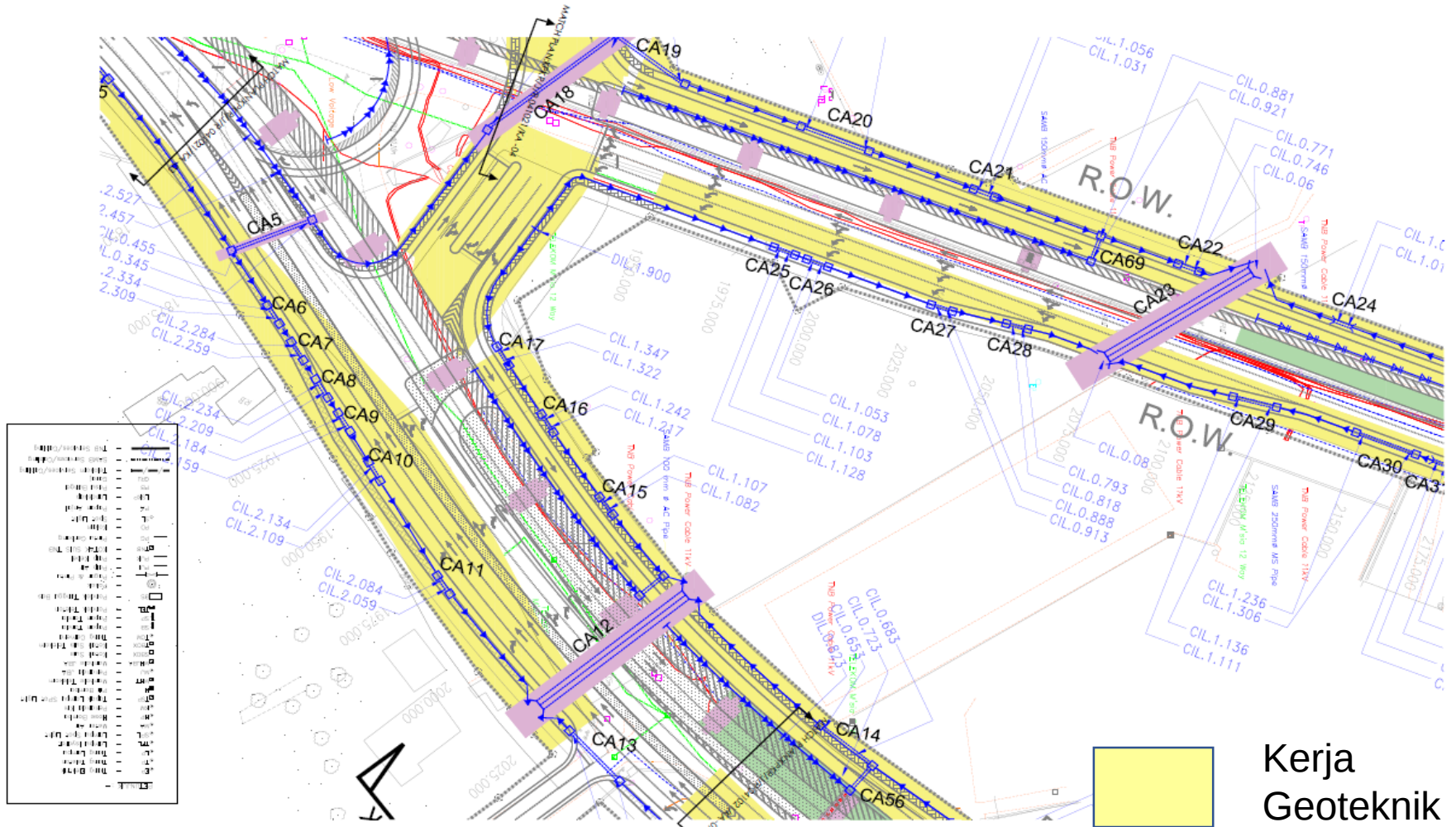
Jejambat 2B (Pusat Bandar Ke Bt. Berendam)

- Panjang 303 m & Lebar 8.9m
- 8 Spans



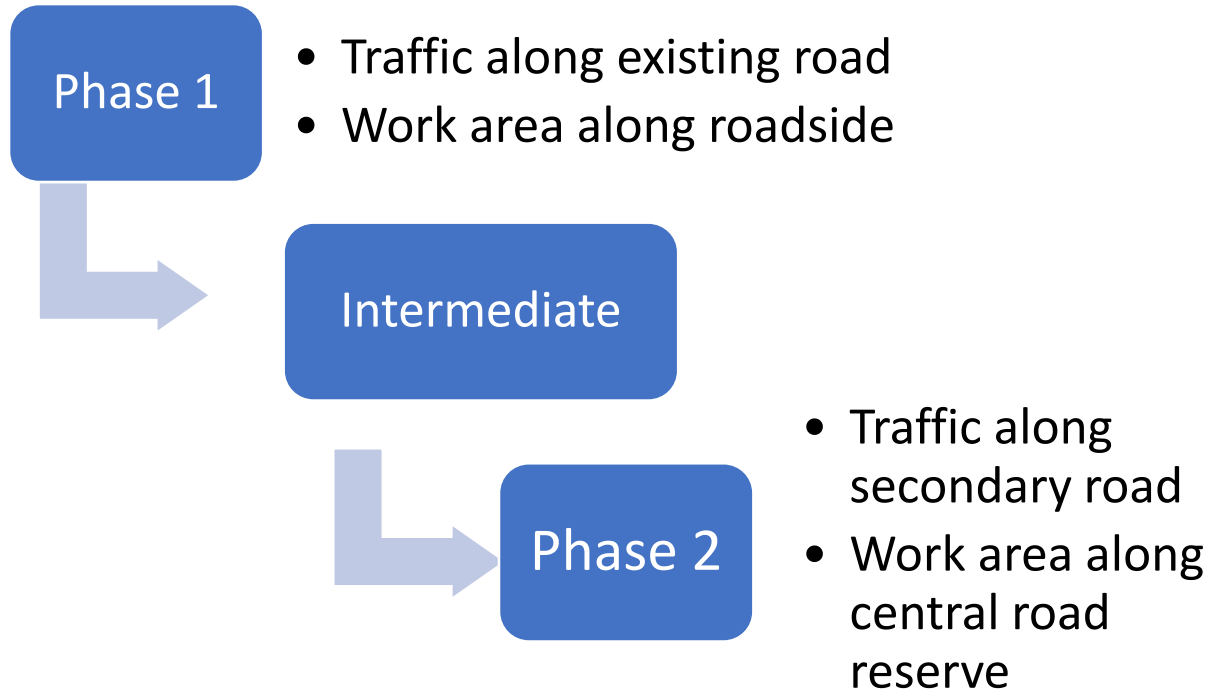
• Pengalihan Utiliti

17 ABD MOKHTAR BIN SALLEH PROFESSIONAL ENGINEER (REG. NO. 6619) HEREBY CERTIFY THAT THE DESIGN STANDARDS AND CODES OF PRACTICE, AND LOCAL AUTHORITIES BY LAW AND REGULATIONS SHOW IN THIS CALCULATION/DRAWINGS/PERFORMANCES WAS DESIGNED BY ME OR UNDER MY DIRECTION AND SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLY WITH THE RELEVANT ENGINEERING



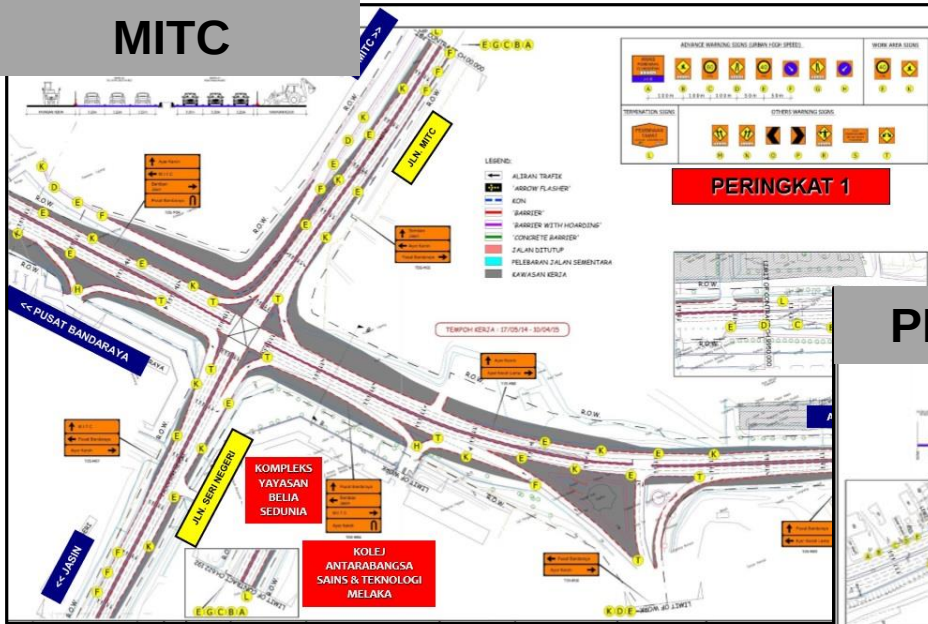


Traffic Management Plan

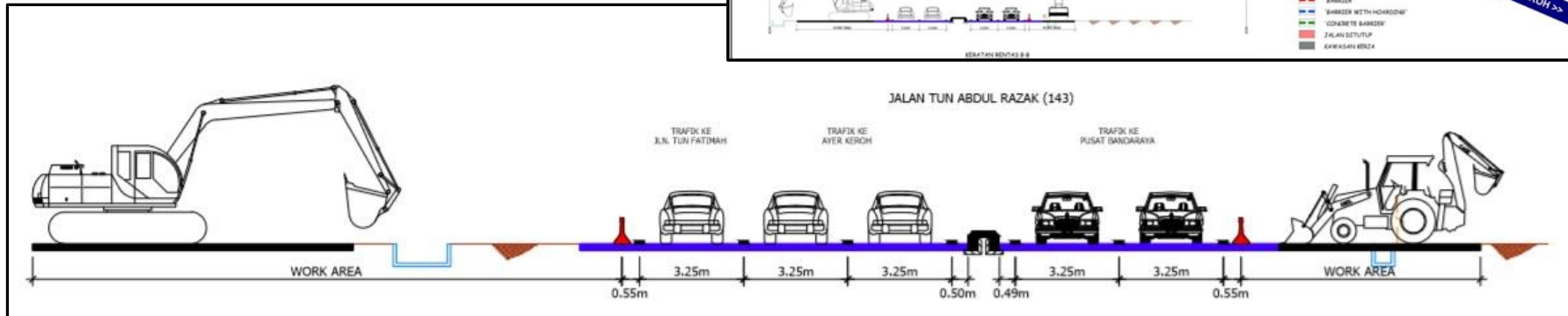
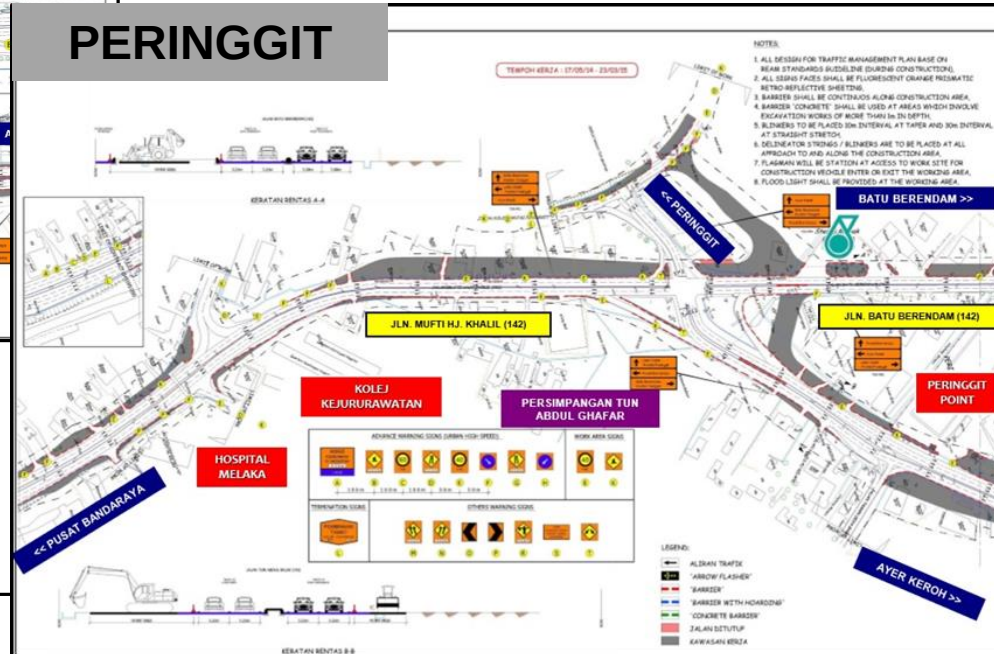


Pelan Pengurusan Trafik Fasa 1

MITC

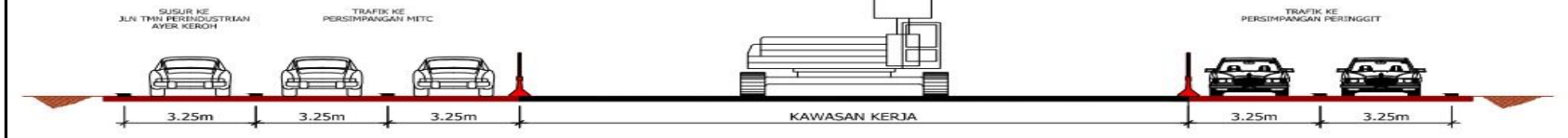
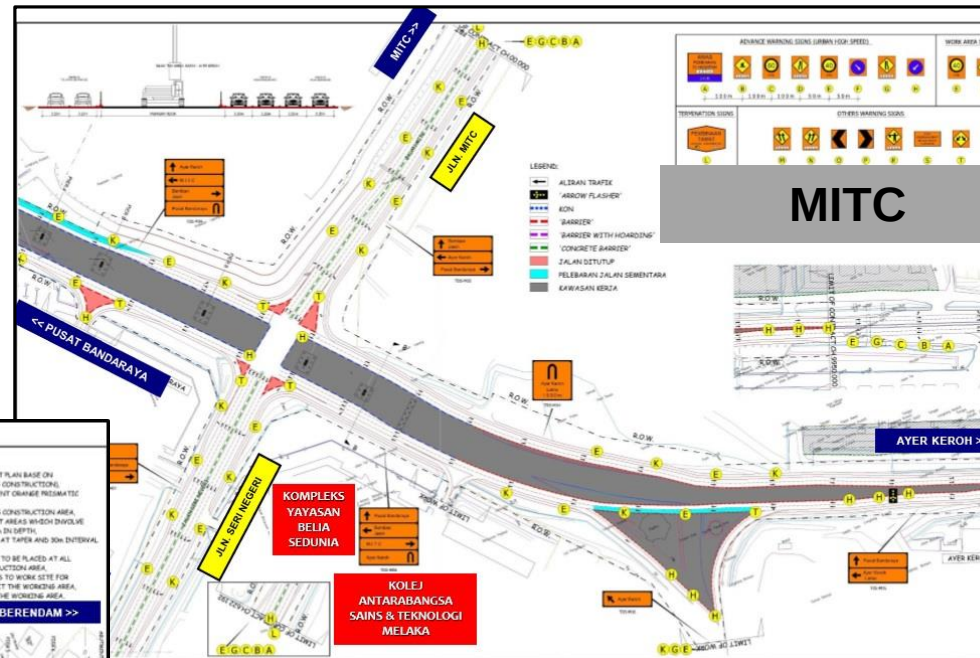
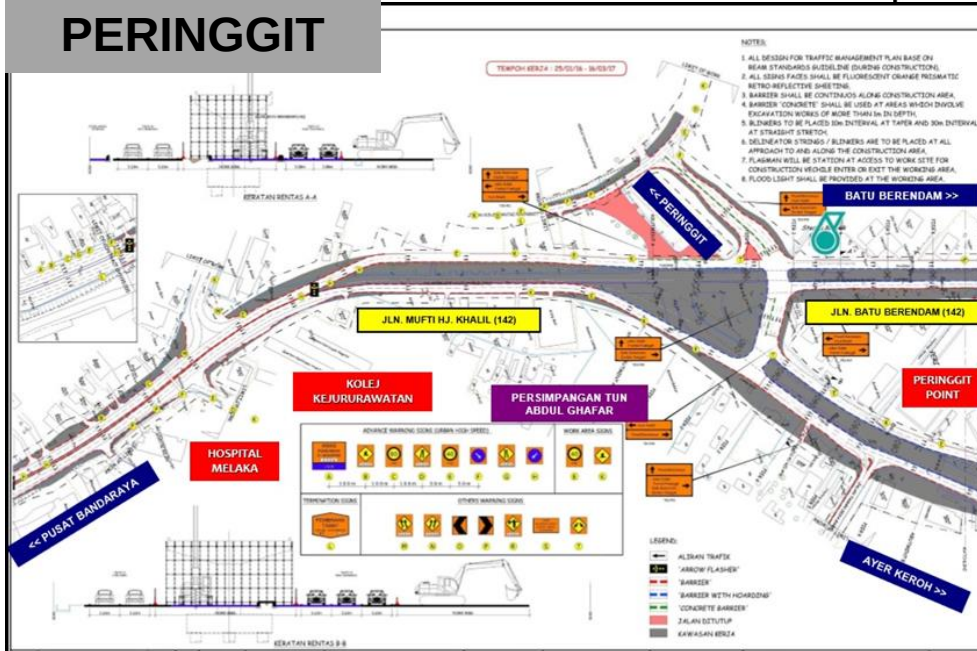


PERINGGIT



Pelan Pengurusan Trafik Fasa 2

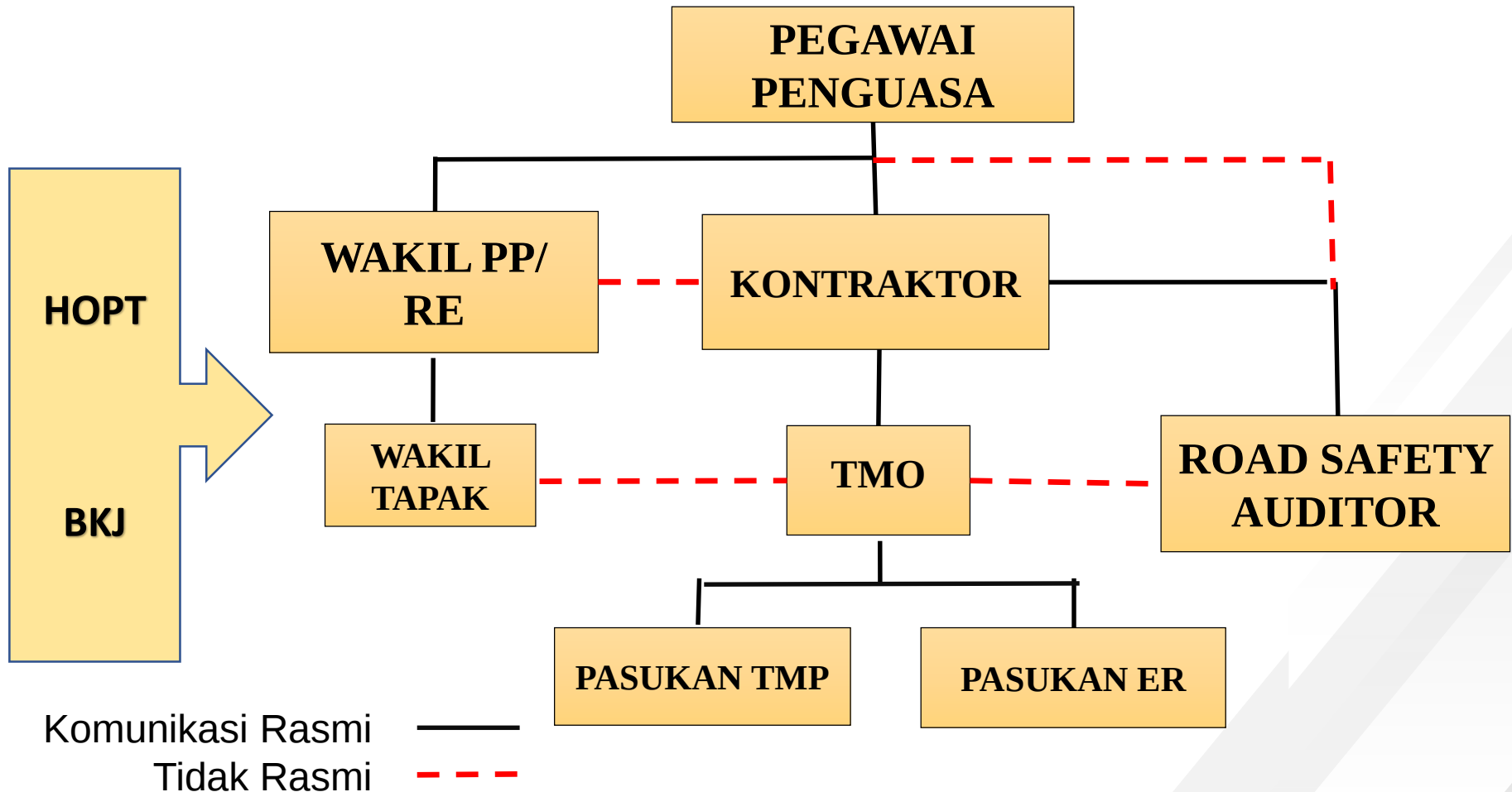
PERINGGIT





Video Kaedah Pembinaan

STRUKTUR ORGANISASI PASUKAN PROJEK (BERKAITAN TMP)





Traffic Management R&R

Pegawai Penguasa

- Chair all RSA meeting (@Construction Stage)
- Review & Approve TMP
- Decisions on issues during Audit Closure

HOPT

- Monitor processes of TMP
- Report to Top Management on effectiveness of Project RSA activities



Traffic Management R&R

Contractor

- Construction of Temporary Works & Traffic Management
- Preparation of TMP
- Provision of any necessary Road Diversion & Crossing
- Engage Traffic Management Officer
- Response to RSA Audit

TMO

- Design the TMP
- Execution of TMP
- Routine Patrol & Monitor Effectiveness TMP
- Emergency Response Plan
- Analyse road accidents
- Traffic Mgmt Safety Report every 3 month
- TMP Verification

Traffic Management R&R

Road Safety Auditor

- Audit TMP during Design Phase
- Audit TMP during construction @ Every Stage 4 & every 3 months following TMSR when required
- Prepare Audit Report
- Minutes of Audit Closure Meeting

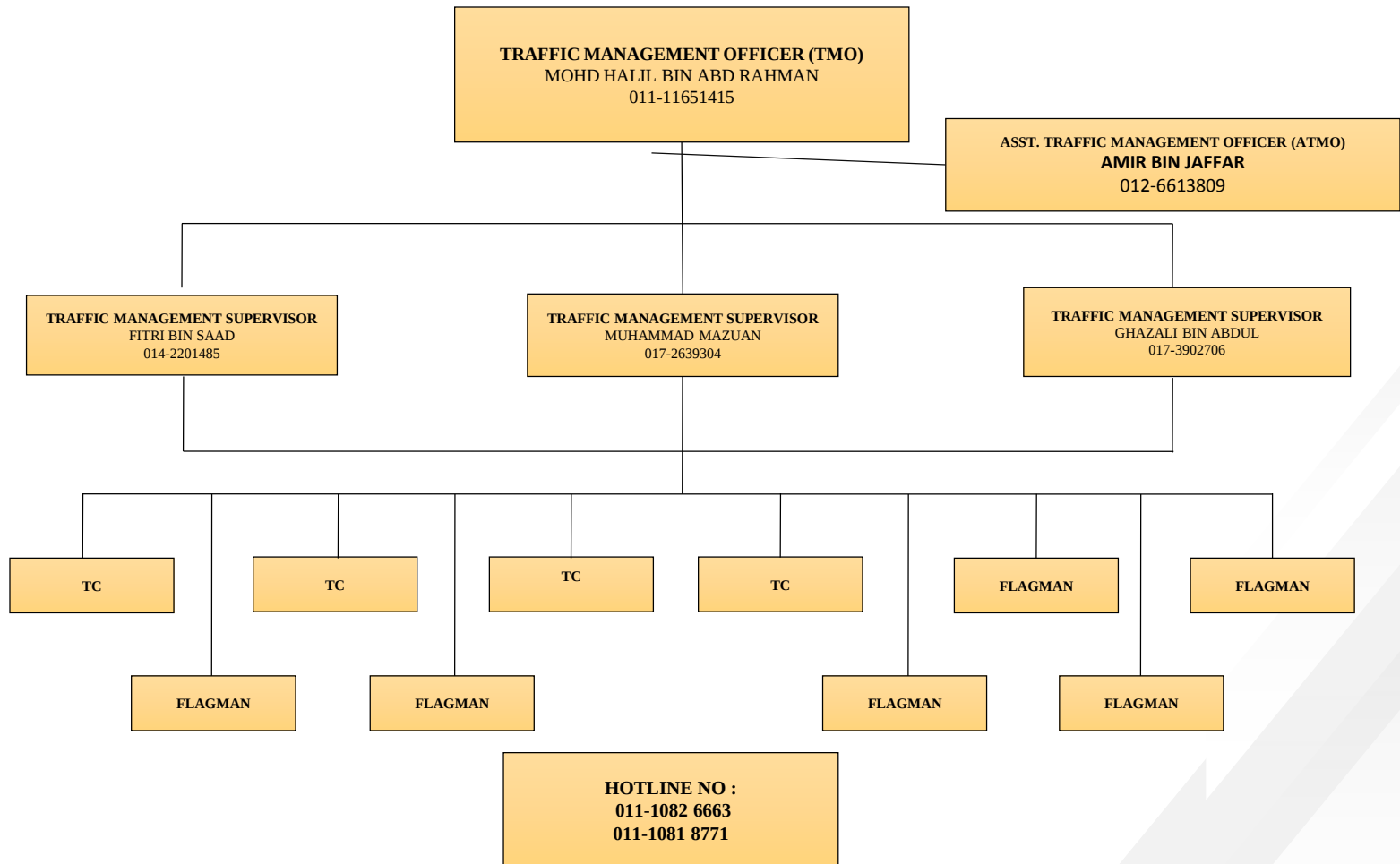
Bahagian Keselamatan Jalan

- Review Audit Report & TMSR
- Technical Advice on Road Safety

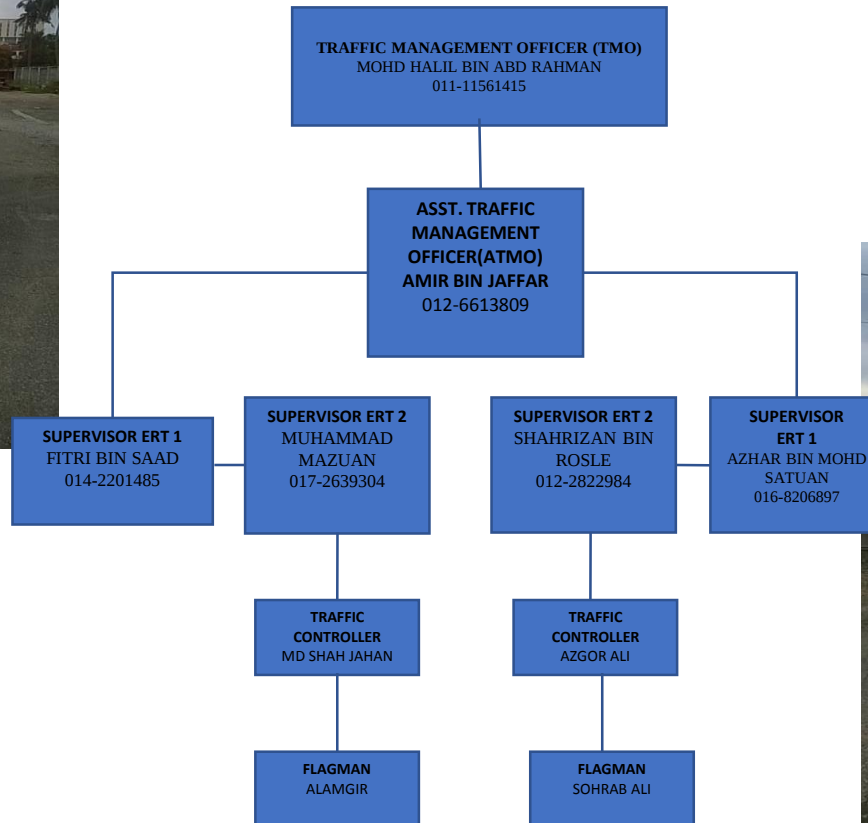
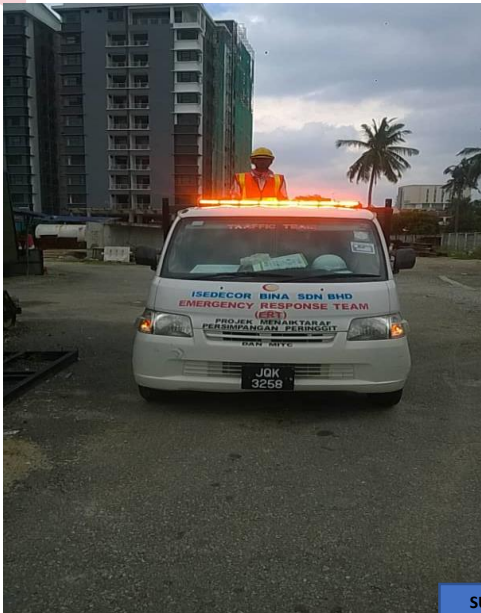
RE Consultant WPP

- Review TMP for PP Approval
- Supervise Execution of TMP
- Work Approval to ensure RSA are adhered
- Check TMP Verification
- Review Audit Report

CARTA ORGANISASI PASUKAN TRAFIK



CARTA ORGANISASI ERT (EMERGENCY RESPONSE TEAM)





TMP Implementation System

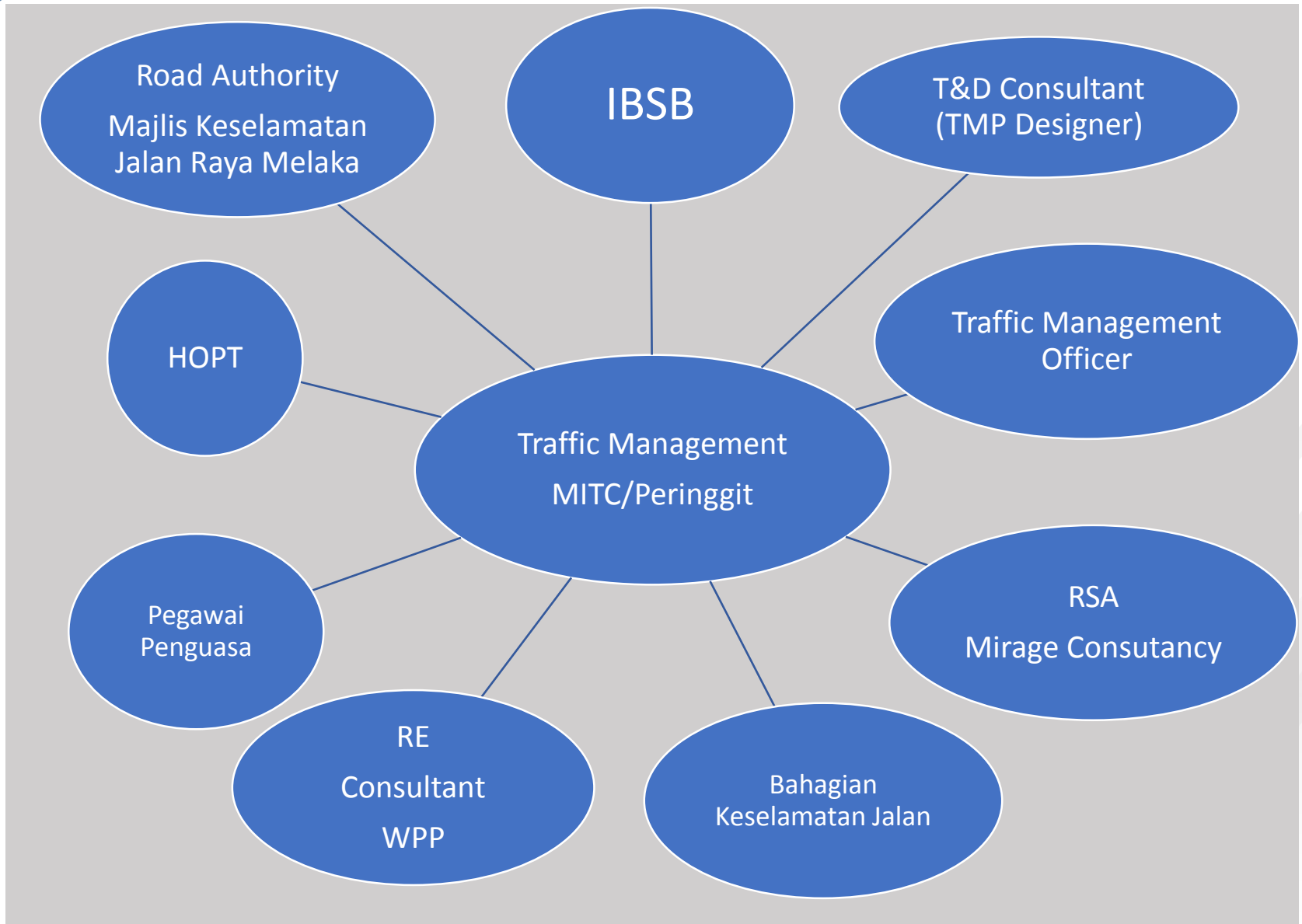
- Stage 1 - Planning Stage
- Stage 2 - Preliminary Design
- Stage 3 - Detailed Design
- Stage 4 - Construction
- Stage 5 - Commission

Design

Traffic Management

#SoTM2018

Development of TMP



Development of TMP

- Appointment of Traffic Management Officer – Contractor Qualification –

- ✓ Diploma in Civil Engineering
- ✓ Experience > 3 years in road construction
- ✓ Certification in Traffic Management at Work Zone

- Appointment of Road Safety Auditor

Conventional Contract – Prime Cost item

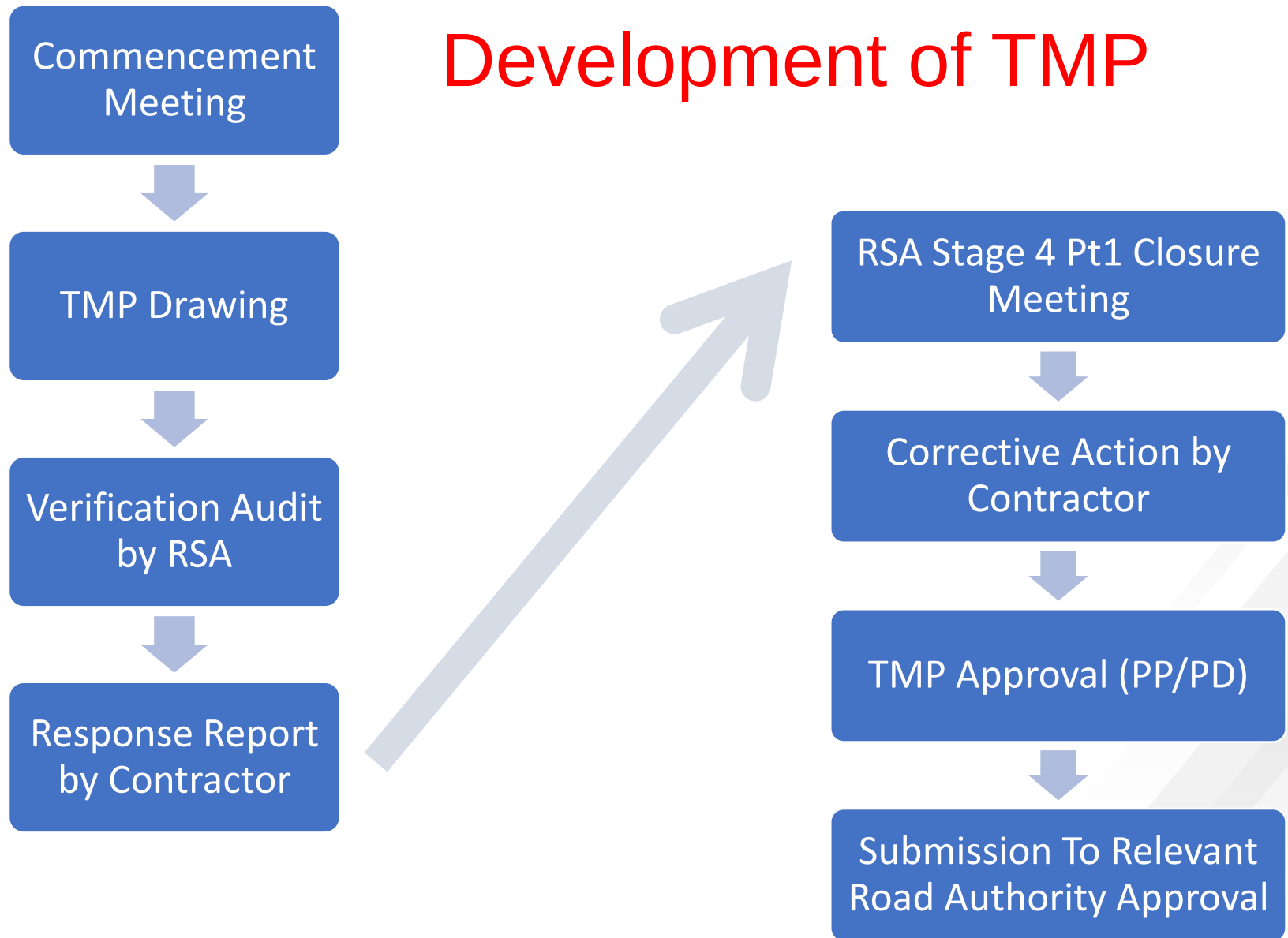
Design & Build Contract – Preliminary item

Formal appointment by Contractor

List of approved RSA from the Bahagian Keselamatan Jalan

Ideally the same RSA involved in RSA Stage 3

Development of TMP





RSA Stage 4 Pt 1 on TMP

Output

- Traffic Management Drawing
- RSA Audit Report
- Contractor Response
- Minutes of Closure Meeting
- Approved TMP



Y. HJ. KHALID BIN OMAR
Pengerah,
Jabatan Kerja Raya
Melaka

KEMENTERIAN KERJA RAYA

PELAN PENGURUSAN LALULINTAS

MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA [FASA 1: PEMBINAAN PERSIMPANGAN PERINGGIT DAN PERSIMPANGAN MITC]

Pengarah Projek;



JABATAN KERJA RAYA MELAKA,
Jalan Taming Sari,
Peti Surat 96,
75906 Melaka.

Perunding;



JURUTERA PERUNDING ZAABA SDN BHD,
No. 17, Jalan Daud,
Kg. Baru,
50300 Kuala Lumpur.
Tel: 02 691 3007 Fax: 02 692 5624

Kontraktor Utama;



ISEDECOR BINA SDN. BHD.
Ara 7, Bangunan PU Holdings,
No. 8, Jalan Bukit Timbalan,
80000 Johor Bahru, Johor.
Tel: 07 226 6366/7 Fax: 07 224 6368

Perunding Pengurusan Trafik;



T&D CONSULT SDN. BHD.
C13A 1st & 2nd Floor,
Jalan Reef 1/2, Reef Commercial Centre,
48000 Rawang, Selangor.
Tel: 03 6091 5221 Fax: 03 6092 5223

TAKLIMAT UNTUK JAWATANKUASA LALULINTAS MBMB

27HB April 2015 (Isnin)



جہان کرج رای ملای
JABATAN KERJA RAYA MELAKA
(MELAKA PUBLIC WORKS DEPARTMENT)
JALAN TAMING SARI,
PETI SURAT 96,
(P.O. BOX 96)
75906 MELAKA.

Telutun : (09) 2954600
(09) 2954602
Faksimili : (09) 2947792
Laman Web : http://jkrmelaka.gov.my



Ruj. Kami : (T) JKRM J 060/200/115/08/23-2 Jld 2
Tarikh : 2 hb Jan 2015

Edaran Seperti Di Lampiran A

Tuan/Puan,

PROJEK : MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA
(FASA 1: PEMBINAAN PERSIMPANGAN PERINGGIT
DAN PERSIMPANGAN MITC)

No. Kontrak : JKR/MP/CKUB/36/2014

PERKARA : Pindaan Tempat Mesyuarat Pembentangan Traffic Management Plan (TMP)

Dengan segala hormatnya saya merujuk kepada perkara tersebut di atas,

2. Adalah dimaklumkan bahawa Mesyuarat Pembentangan Traffic Management Plan (TMP) tersebut akan diadakan pada ketetapan seperti berikut:-

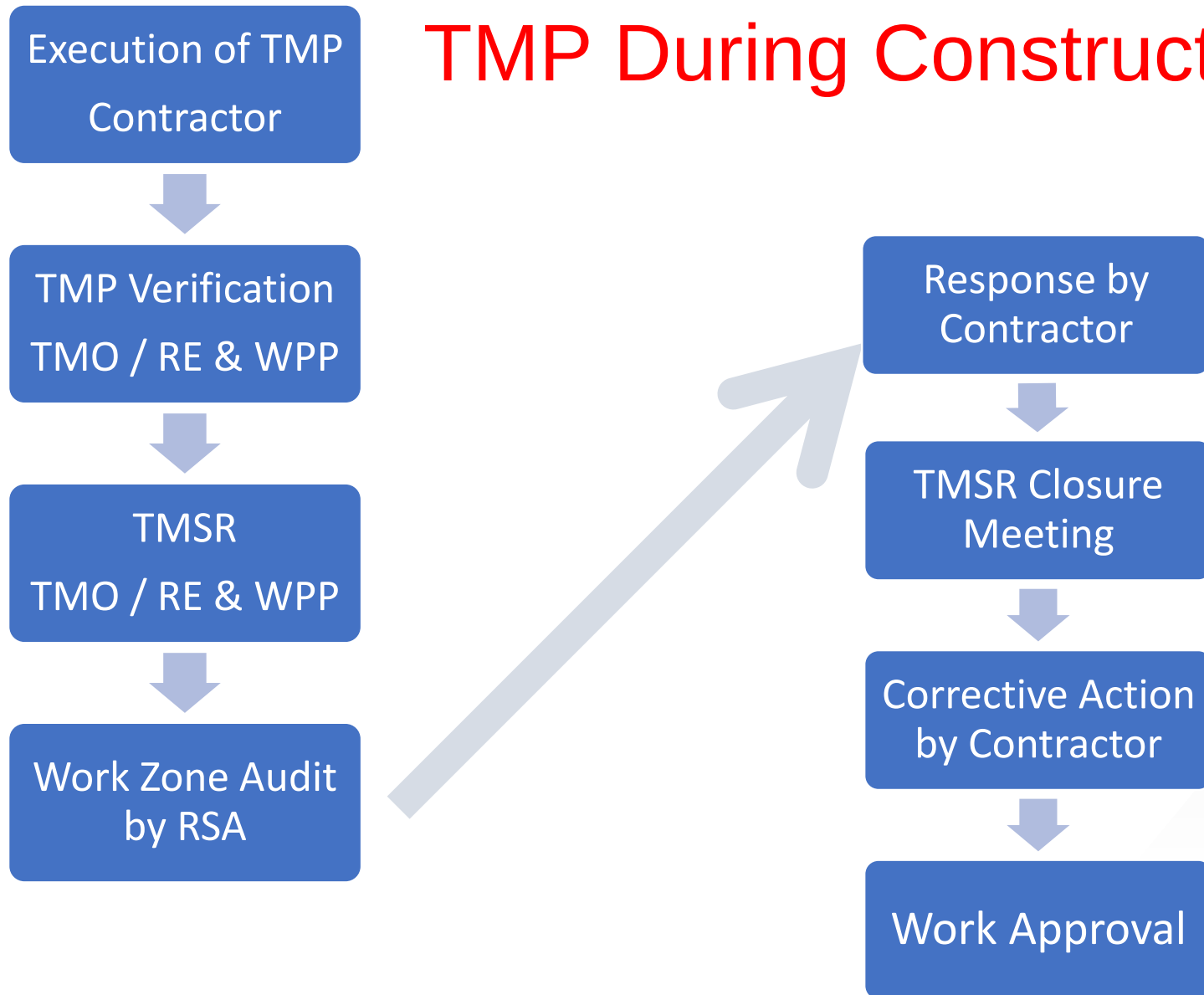
Tarikh : 8 Jan 2015 (Khamis)
Masa : 2.30 Petang
Tempat : Bilik Mesyuarat Utama,
Ibu Pejabat, JKR Melaka.

MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA (Fasa 1 : Pembinaan Persimpangan Peringgit Dan Persimpangan MITC)

MINIT MESYUARAT PEMBENTANGAN PELAN PENGURUSAN LALULINTAS

ITEM	PERKARA YANG DIBINCANGKAN	TINDAKAN
1.0	Ucapan Pengerusi Tuan Pengerusi memberi ucapan salam dan mengucapkan terima kasih kepada hadirin. Pengerusi memaklumkan bahawa projek ini merupakan projek berprofil tinggi di negeri Melaka dan senantiasa dipantau secara dekat oleh ramai pihak termasuk Ketua Menteri, Setiausaha Kerajaan Negeri dan Exco Kerja Raya. Beliau meminta ahli pasukan yang terlibat dengan pembinaan projek ini memastikan perkara-perkara berikut: - Projek dalam dilaksanakan dan disiapkan dalam tempoh yang ditetapkan. - Mutu dan kualiti pembinaan yang tinggi berdasarkan Lukisan Pembinaan dan Spesifikasi. - Senantiasa menitikberatkan aspek keselamatan pekerja dan pengguna jalanraya. - Memantuan kebersihan tapak.	Makluman Semua
2.0	Objektif Mesyuarat Pengerusi memaklumkan objektif mesyuarat ini adalah untuk membincangkan, mengulas dan meluluskan Pelan Cadangan Pengurusan Trafik yang telah dikemukakan oleh pihak Kontraktor untuk projek ini. Pengerusi meminta pihak Kontraktor membentangkan pelan cadangan pengurusan trafik kepada ahli mesyuarat dan pembentangan telah dibuat oleh wakil daripada syarikat perunding pengurusan trafik yang dilantik oleh Kontraktor.	Makluman Semua IBSB
3.0	Taklimat oleh T&D Consult Taklimat telah disampaikan oleh Pengarah Urusan T&D Consult. Beliau memaklumkan bahawa projek ini adalah merupakan salah satu projek yang terawal menggunakan garispanduan Road Engineering Association Malaysia (REAM) di negara ini yang mana sebelum ini menggunakan Arahan Teknik JKR 2C/85. TMP di Persimpangan Peringgit terdapat 2 peringkat dan di Persimpangan MITC 3 peringkat. Peringkat 1 melibatkan TMP untuk kerja pelebaran jalan sedangkan Peringkat 2 melibatkan TMP untuk kerja pembinaan struktur jambat. Peringkat 3 – kerja penyudah. Sila rujuk laporan pelan cadangan pengurusan trafik.	IBSB/T&D Makluman Semua
4.0	Perbincangan Terdapat beberapa komen daripada wakil IEM Melaka dan JDMT mengenai jalan keluar masuk di beberapa lokasi antaranya ke Kg Pulau Kelapa / Desa Baru di Peringgit, Penjara Dusun Dato Murad, di MITC dan Pusat Perindustrian berhampiran serta penggerakan kenderaan berat dan juga bus sekolah.	Makluman Semua

TMP During Construction





TMP During Construction

Output

- Traffic Verification Report
- Traffic Management Safety Report
- Work Zone Audit Report
- Contractor Response
- Minutes of Closure Meeting
- NCR & Closure

Verifikasi TMP

Jurutera Perunding Zaaba Sdn. Bhd.
Consulting Engineers
Pejabat Tapak
No 58 - Jalan TUJ 40, Taman Tasik Utama, 75450 Ayer Keroh, Melaka
Tel: 06-2521335

DIRECTORS :

- 1. ALI ZALIM BIN ALI ARIK
B. Sc. (Civil), P. Eng. (MIE)
- 2. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 3. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 4. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 5. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 6. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 7. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 8. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 9. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 10. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)

ASSOCIATE DIRECTORS :

- 1. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
- 2. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)
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B. Sc. (Civil), P. Eng. (MIE)
- 10. ALI PERUNDING BIN ALI MOHAMMAD
B. Sc. (Civil), P. Eng. (MIE)

Rujukan Kami: JPZ/2048/05/R/TS/LTR (606)tar
Tarikh : 25 Januari 2017 (25th Januari 2017)
Pengerusi Projek:
Inspektor Sdn Bhd,
Pejabat Tapak,
G9 & G10, Peringkat Point,
Jalan Satu Hampar,
75320 Melaka,
(UP: En. William Tan)
Tuan,
MENAKUTARAF JALAN AYER KEROH KE BANDAR MELAKA
(FASA 1: PEMBINAAN PERSIMPANGAN PERINGKAT DAN PERSIMPANGAN MITC)
PERKARA : Audit Verifikasi Pengurusan Trafik

Adalah segala hormatnya saya menunjuk kepada perkara di atas. Satu audit pematruhan peralatan trafik telah dilaksanakan bersama wakil Jabatan Kerja Raya (Ir. Hj. Othman Ibrahim, En. Mohd Yusoff Rosman), wakil Jurutera Perunding Zaaba (Ir. Hj. Salehuddin Mazal, En. Mazwin Sulaiman, En. Faizulazmy Borhan) dan wakil IBGB (En. Mohd Haili Abd Rahman, En. Mohd Nasser Hashim, En. Muhammad Nur Itham Peter dan En. Amir Jaafar)

2. Berikut disertakan laporan hasil dari pemeriksaan tersebut seperti diampiran:-
a) Senarai semakan audit pembinaan projek.
b) Borang maklumbalas kelayakan pengurusan trafik sewaktu pembinaan bagi projek jalan di Persimpangan Peringkat dan MITC.

3. Tindakan segera dari pihak tuan untuk kerja pembinaan sebelum 09th Februari 2017 amat kami hargai. Semoga mendapat makluman dan tindakan selanjutnya dari pihak tuan

Sekian, terima kasih.

Yang benar,
JURUTERA PERUNDING ZAABA SDN BHD

[Signature]

[Stamp: JURUTERA PERUNDING ZAABA SDN BHD]

Laporan
Zon Kawal Trafik
Keratan Rentas Jalan
Papan Tanda
Barrier
Delineator
Jalan Semantara/Lencongan
Lain-lain

JURUTERA PERUNDING ZAABA SDN BHD

Nota 2 : Pengaudit diminta melaksanakan audit pada waktu siang dan malam

MARKAH	BIL.	ITEM	MARKAH	
			DIBERI	PENUH
	A	Laporan	60	100
	B	Zon Kawal Trafik	75	100
	C	Keratan Rentas Jalan	100	100
	D	Papan Tanda	100	100
	E	Barrier	60	100
	F	Delineator	0	100
	G	Jalan Semantara/Lencongan	75	100
	H	Lain-lain	75	100
	JUMLAH		545	800

Peratusan Pematruhan 68.1%

ULASAN TRAFIK KESELURUHAN:

1. Lampu jalan dari Kg. Pulau Kelapa ke Traffic light tidak ada.
2. Lampu jalan dari Ch3 ke S1212 (Jalan A4/A3) tidak menyala.
3. Blinker dan string delineator tidak dipasang mengikut TMP.
4. Potholes di Jalan A1 perlu ditampal/ dibaiki dengan segera.

WAKIL KONTRAKTOR: *[Signature]*
NAMA: AMIE BIN ZAFAR
TARIKH: 25/01/2017

WAKIL PERUNDING: *[Signature]*
NAMA: FAIZUL AZMY B. BORHAN
TARIKH: 25/1/17

DISAHKAN OLEH WAKIL JKR: *[Signature]*
NAMA: HJ. KHAIRUDIN B. ROSMAN
TARIKH: 25/1/2017

Iti diminta melaksanakan audit pada waktu siang dan malam

ITEM	MARKAH	
	DIBERI	PENUH
Laporan	60	100
Zon Kawal Trafik	75	100
Keratan Rentas Jalan	100	100
Papan Tanda	100	100
Barrier	60	100
Delineator	0	100
Jalan Semantara/Lencongan	50	100
Lain-lain	75	100
JUMLAH	527	800

Peratusan Pematruhan 66%

ELURUHAN:

1. Lampu jalan dari Traffic light ke 200 Melaka tidak menyala.
2. Blinker dan string delineator tidak dipasang mengikut TMP.
3. Potholes di Jalan G12 berhampiran Kota Cemerlang hendaklah ditampal.

WAKIL KONTRAKTOR: *[Signature]*
NAMA: AMIE BIN ZAFAR
TARIKH: 24/01/17

WAKIL PERUNDING: *[Signature]*
NAMA: HJ. Sallehuddin Bin Mazali
TARIKH: 24/1/2017

DISAHKAN OLEH WAKIL JKR: *[Signature]*
NAMA: Ir. Hj. Othman Bin Ibrahim
TARIKH: 24/1/2017

LAPORAN KESELAMATAN PENGURUSAN TRAFIK



**PROJEK MENAIKTARAF JALAN AYER KEROH KE
BANDAR MELAKA (FASA 1 : PEMBINAAN
PERSIMPANGAN PERINGGIT DAN
PERSIMPANGAN MITC)**

UNTUK



JABATAN KERJA RAYA MALAYSIA

LAPORAN KESELAMATAN PENGURUSAN TRAFIK
NO. 01
(MITC)

01hb DISEMBER 2014 Hingga 28hb FEBRUARI 2015

Kontraktor



Isedecor Bina Sdn Bhd
Aras 7, Bangunan PU Holdings,
No. 8, Jalan Bukit Timbalan,
80000 Johor Bahru,
Johor.
Tel: 607 226 6366
Fax: 607-224 6368






**MENAIKTARAF JALAN AYER KEROH KE
BANDAR MELAKA (FASA 1: PEMBINAAN
PERSIMPANGAN PERINGGIT DAN
PERSIMPANGAN MITC)**

UNTUK



JABATAN KERJA RAYA MALAYSIA

LAPORAN KESELAMATAN PENGURUSAN TRAFIK
NO. 06
(MITC)

16hb Mac 2016 Hingga 16hb Jun 2016

Kontraktor



Isedecor Bina Sdn Bhd
Aras 7, Bangunan PU Holdings,
No. 8, Jalan Bukit Timbalan,
80000 Johor Bahru,
Johor.
Tel: 607 226 6366
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**KERAJAAN MALAYSIA
JABATAN KERJA RAYA MALAYSIA**

**MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA
(FASA 1 : PEMBINAAN PERSIMPANGAN PERINGGIT
PERSIMPANGAN MITC)**

**ROAD SAFETY AUDIT REPORT STAGE 4
TMP AUDIT I
MAY 2016**



JABATAN KERJA RAYA
Cawangan Jalan
Ibu Pejabat JKR Malaysia
Jalan Sultan Salahuddin
50580 Kuala Lumpur

CONTRACTOR
ISEDECOR BINA SDN BHD
c/o 7-3 Jalan PLUS/20E,
The Strand Kota Damansara,
47810 Petaling Jaya

Prep

**Ir MOHAMED SHAFI
JKR/CJ/UK**

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5, Persiaran Pintas Baru,
39000 Kajang
Tel: 065-2282 3627



**KERAJAAN MALAYSIA
JABATAN KERJA RAYA MALAYSIA**

**MENAIKTARAF JALAN AYER KEROH KE BANDAR MELAKA
(FASA 1 : PEMBINAAN PERSIMPANGAN PERINGGIT DAN
PERSIMPANGAN MITC)**

**ROAD SAFETY AUDIT REPORT STAGE 4
TMP AUDIT 2
AUGUST 2016**



JABATAN KERJA RAYA
Cawangan Jalan
Ibu Pejabat JKR Malaysia
Jalan Sultan Salahuddin
50580 Kuala Lumpur

CONTRACTOR
ISEDECOR BINA SDN BHD
7-3 Jalan PLUS/20E,
The Strand Kota Damansara,
47810 Petaling Jaya

Prepared By:

**Ir MOHAMED SHAFI HAJI
MUSTAFA
JKR/CJ/UK/064/07 2005**
MIRAGE CONSULTANCY
No. 2, Floor 13, Wisma Goshen, Plaza
Pantai,
5, Persiaran Pantai Baru, Off Jalan Pantai
Baru,

ROAD SAFETY AUDIT REPORT



TMP
- PD/PP
approval



Road Diversion
- JD/YDP Majlis
approval

Road Transport Act
Section 70



Road Transport Act 333

DELEGATION OF POWERS

DELEGATION OF POWERS UNDER SECTION 85 OF THE ROAD TRANSPORT ACT 333

In exercise of the powers conferred by section 5 of the Delegation of Powers Act 1983, the powers under section 77, 84, 85 and 85A of the Road Transport Act 333 are delegated to the officers specified in column (1) of the Schedule in respect of the powers specified in column (2) of the Schedule.

SCHEDULE

(1)
Officers

PERLIS:
Director,
Public Works Department,
Perlis

KEDAH:
District Engineer
Public Works Department,
Kota Setar/Padang Terap

District Engineer
Public Works Department,
Kuala Muda

District Engineer
Public Works Department,
Kulim/Bandar

District Engineer
Public Works Department,
Baling

District Engineer
Public Works Department,
Kubang Pasu

District Engineer
Public Works Department,
Pendang/Yan

District Engineer
Public Works Department,
Pulau Langkawi

Kc

Ku

Pulau Langkawi District

Construction of access and drains and laying of public utility installations to existing roads

85. (1) No person shall—

- (a) construct any access road (including paths, driveways or other means of access, whether public or private) to join any road;
- (b) construct a drain to join a drain constructed alongside a road;
- (c) carry out any works of any description in, upon, over or under any road,

unless plans containing details of the layout (including such particulars as may be prescribed) have been submitted to and approved by the Minister charged with the responsibility for works in relation to

a Federal road, or the appropriate authority in relation to a road other than a Federal road, and the Minister or the appropriate authority, as the case may be, may refuse such application or allow it on such conditions as he or it may impose.

(7) Any person who contravenes subsection (1) or fails to comply with such conditions as may be imposed in a permit issued under that subsection shall be guilty of an offence and shall on conviction be liable to a fine not exceeding ten thousand ringgit or to imprisonment for a term not exceeding one year:

(8) The Minister or the appropriate authority, as the case may be, may make rules to regulate and control the carrying out or construction of any of the works referred to in subsection (1).

Contractor All Risk Insurance Coverage

General Exclusions

The Company will not indemnify the Participant in respect of loss, damage or liability directly or indirectly caused by or arising out of or aggravated by

- a) war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection, mutiny, riot, strike, lock-out, civil commotion, military or usurped power, a group of malicious persons or persons acting on behalf of or in connection with any political organization, conspiracy, confiscation, commandeering, requisition or destruction or damage by order of any government de jure or de facto or by any public authority;
- b) nuclear reaction, nuclear radiation or radioactive contamination;
- c) wilful act or wilful negligence of the Participant or of his representatives,
- d) cessation of work whether total or partial.

In any action, suit or other proceeding where the Company alleges that by reason of the provisions of Exclusion a) above any loss, destruction, damage or liability is not covered by this Takaful the burden of proving that such loss, destruction, damage or liability is covered shall be upon the Participant.



TMP Strategy

Objective

Identify Road
Safety
Deficiencies

- TMP Verification

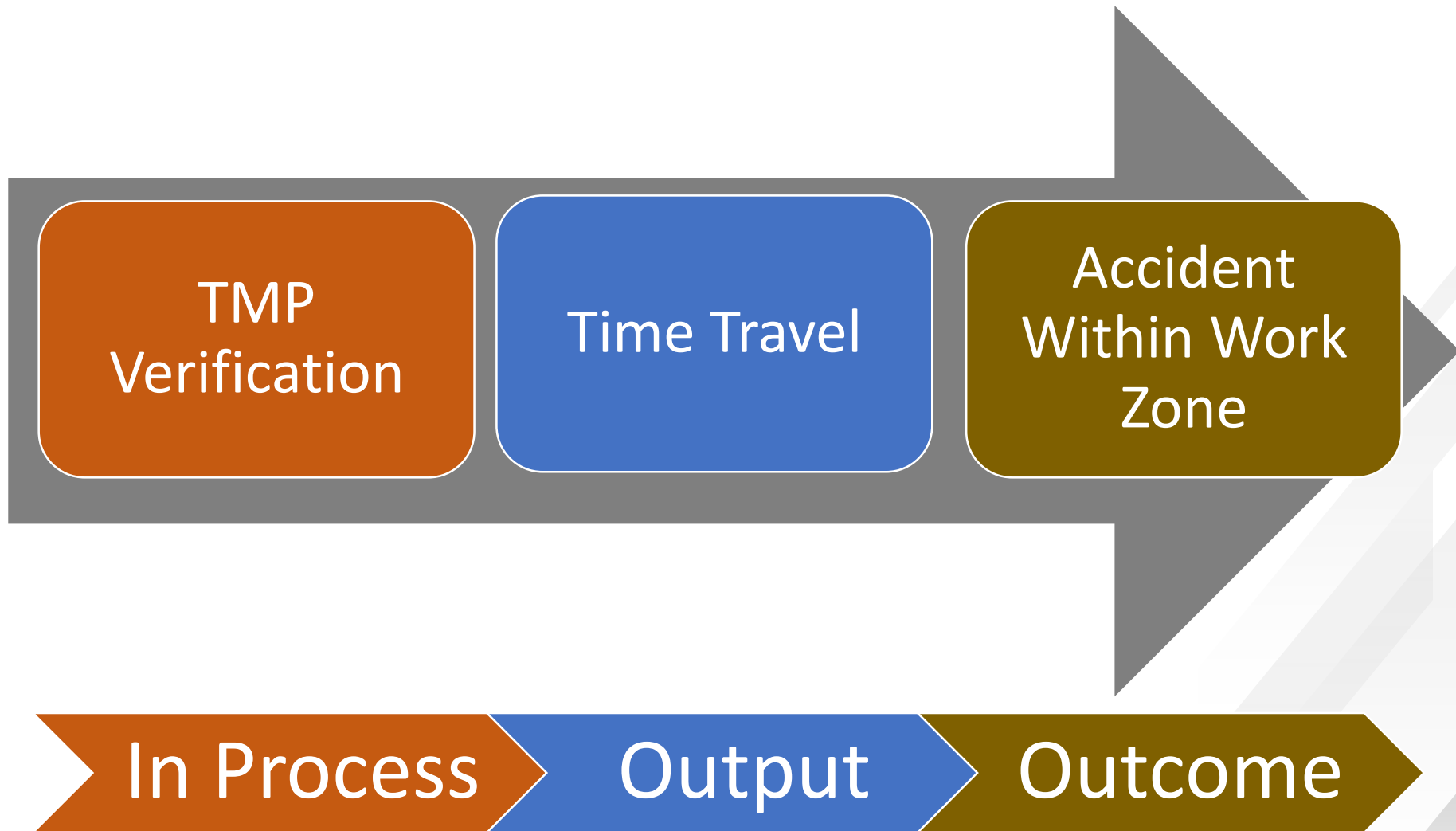
Minimize
Disruption in
Traffic Flow

- Travel Time

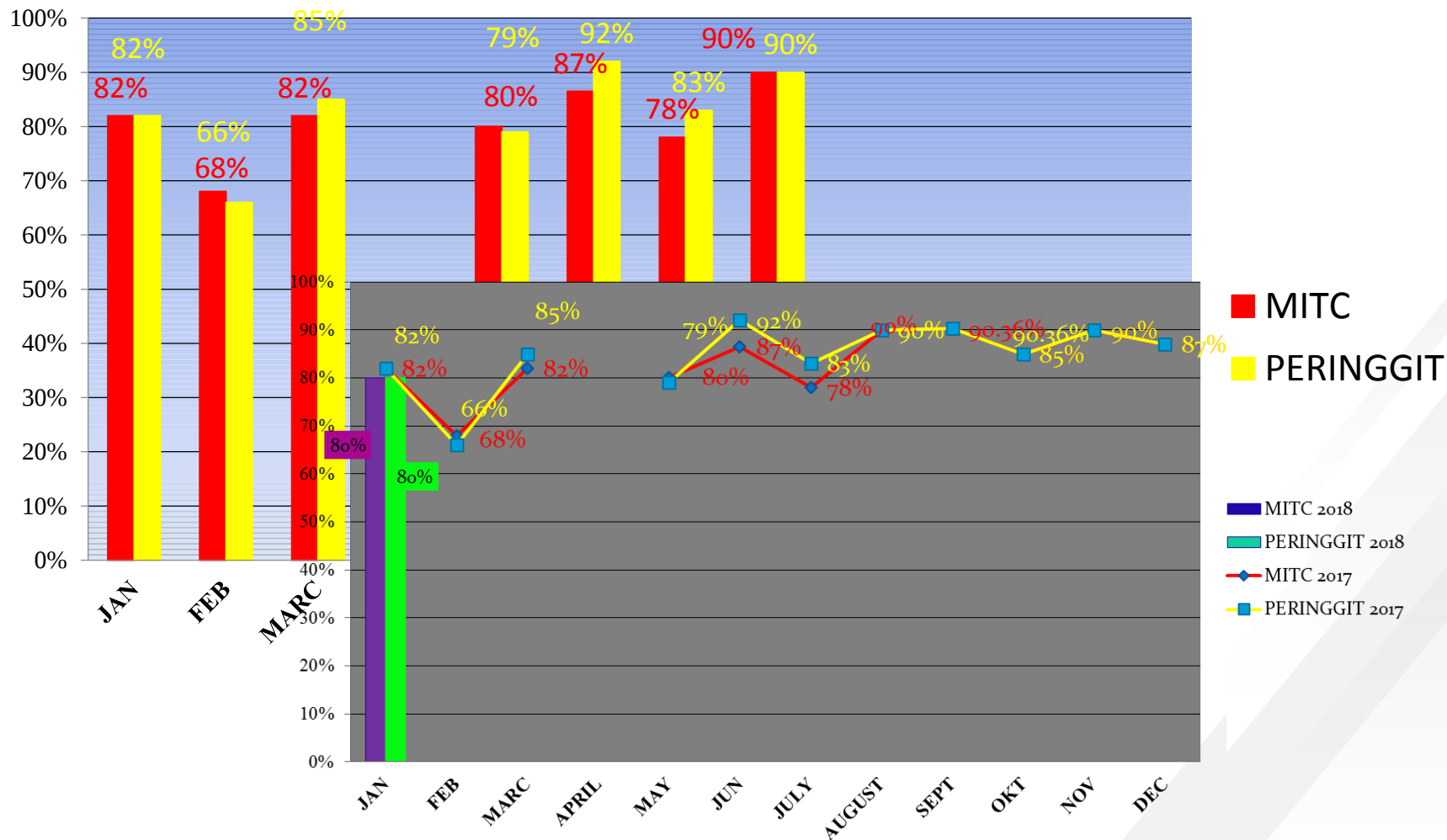
Enhance Safety of
the Road

- Number & Severity of Accidents

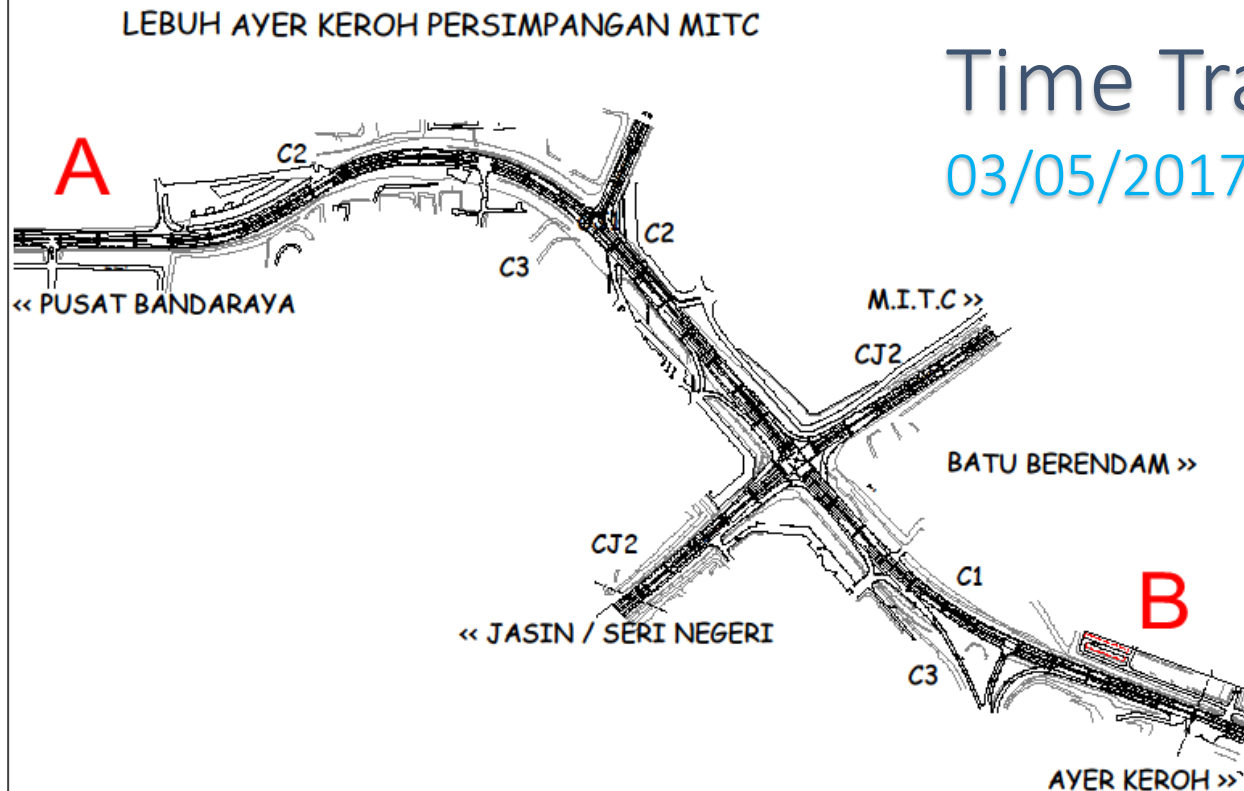
Performance Indicator



CARTA PEMATUHAN TMP MITC 2017



PEMANTAUAN TEMPOH PERJALANAN DI MITC



Time Travel

03/05/2017 (11.30 am)

DESTINASI	SEBELUM PEMBINAAN	SEMASA PEMBINAAN	MASA LAMPU ISYARAT (WAKTU PENGAMBILAN MASA)	PERBEZA TEMPOH	STATUS TMP	PUNCA PENAMBAHAN MASA
A - B	4 MINIT 30 SAAT	04 MINIT 36 SAAT	01 MINIT 23 SAAT	+ 00 MINIT 06 SAAT	PERINGKAT 1& 2 (30%)	TRAFIK LIGHT
B - A	4 MINIT 30 SAAT	03 MINIT 48 SAAT	01 MINIT 00 SAAT	-00 MINIT 42 SAAT	PERINGKAT 1& 2 (40%)	TRAFIK LIGHT

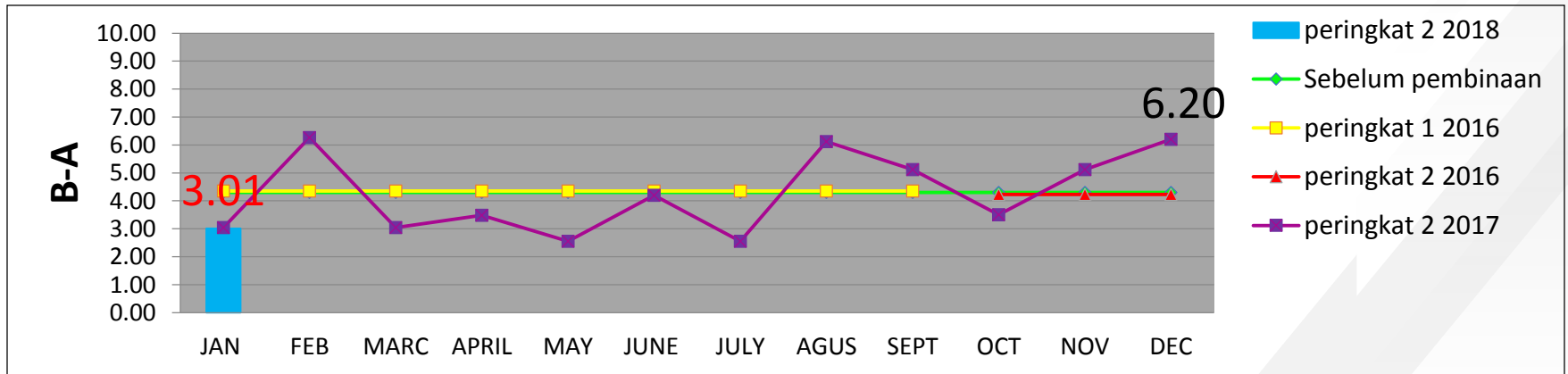
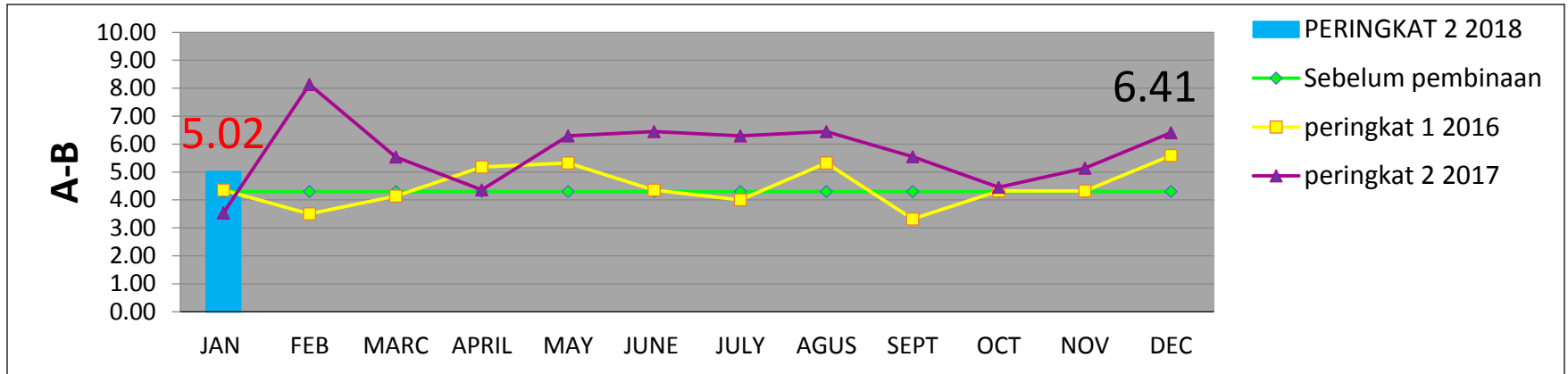
PEMANTAUAN TEMPOH PERJALANAN DI PERINGGIT



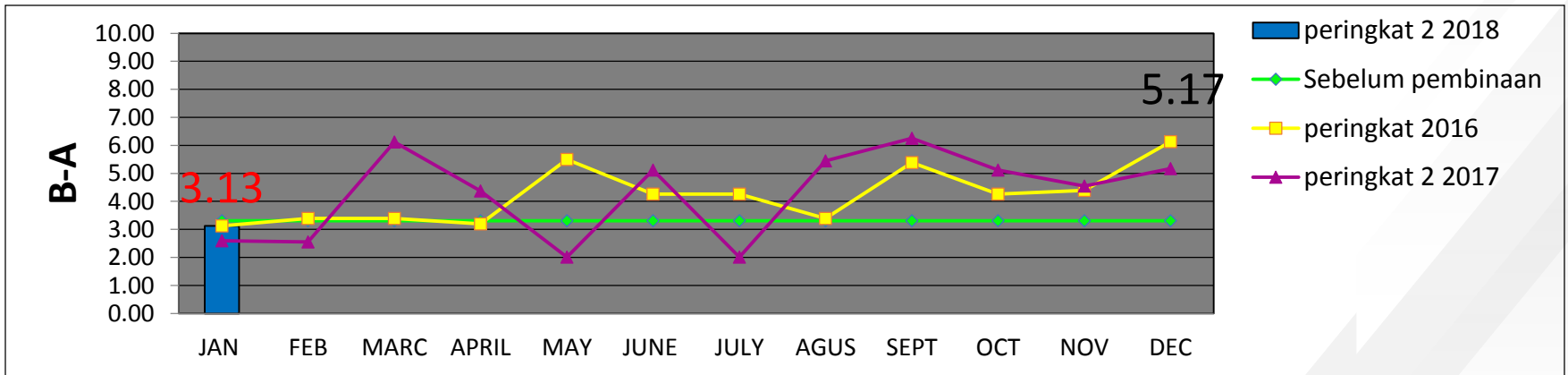
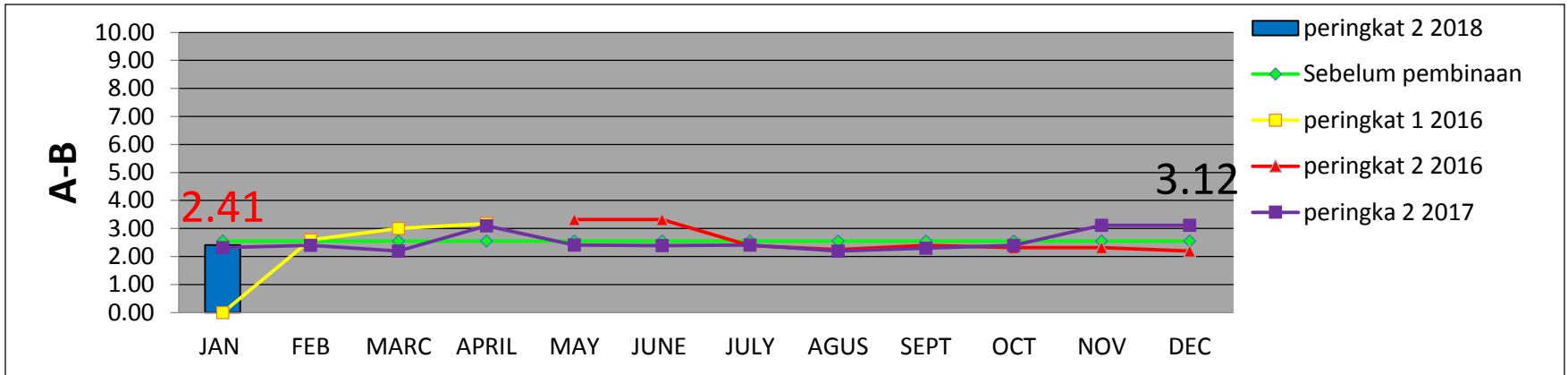
Time Travel
03/05/2017 (10.30 am)

DESTINASI	SEBELUM PEMBINAAN	SEMASA PEMBINAAN	MASA LAMPU ISYARAT (WAKTU PENGAMBILN MASA)	PERBEZA TEMPOH	STATUS TMP	PUNCA PENAMBAHAN MASA
A-B	2 MINIT 55 SAAT	3 MINIT 09 SAAT	-	- 00 MINIT 14 SAAT	PERINGKAT 2 (50%)	-PENUTUPAN 1 LORONG
B-A	3 MINIT 31 SAAT	4 MINIT 37 SAAT	01 MINIT 56 SAAT	+ 01 MINIT 06 SAAT	PERINGKAT 1&2 (60%)	-TRAFIK LIGHT
B-C	2 MINIT 53 SAAT	3 MINIT 32 SAAT	01 MINIT 26 SAAT	+ 00 MINIT 37 SAAT	PERINGKAT 1&2 (80%)	-TRAFIK LIGHT

CARTA MASA PERJALANAN MITC



CARTA MASA PERJALANAN PRINGGIT





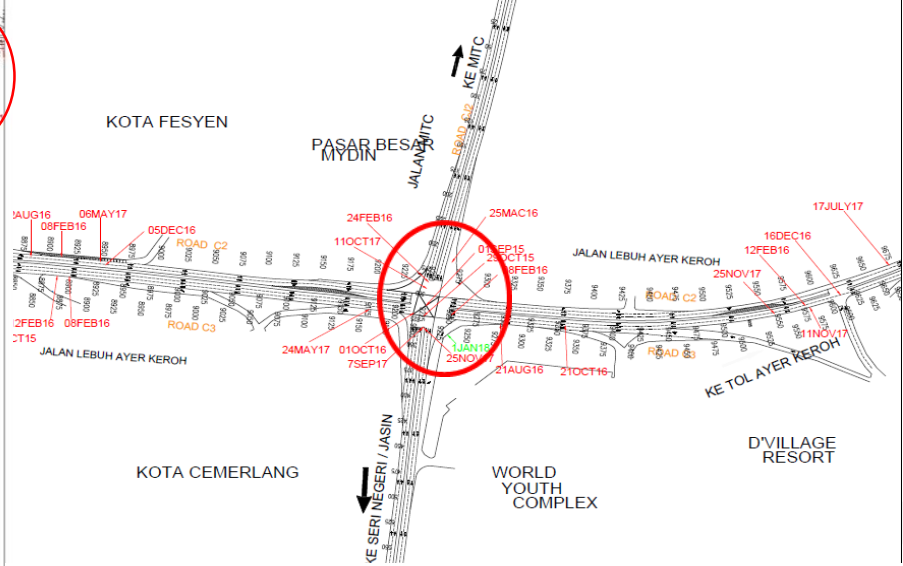
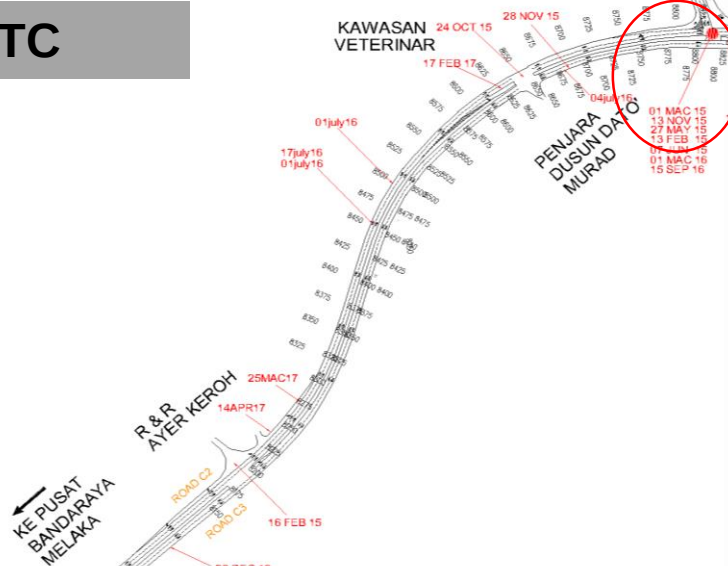
Video Mengukur Waktu Perjalanan - MITC

- Video Mengukur Tempoh Perjalanan

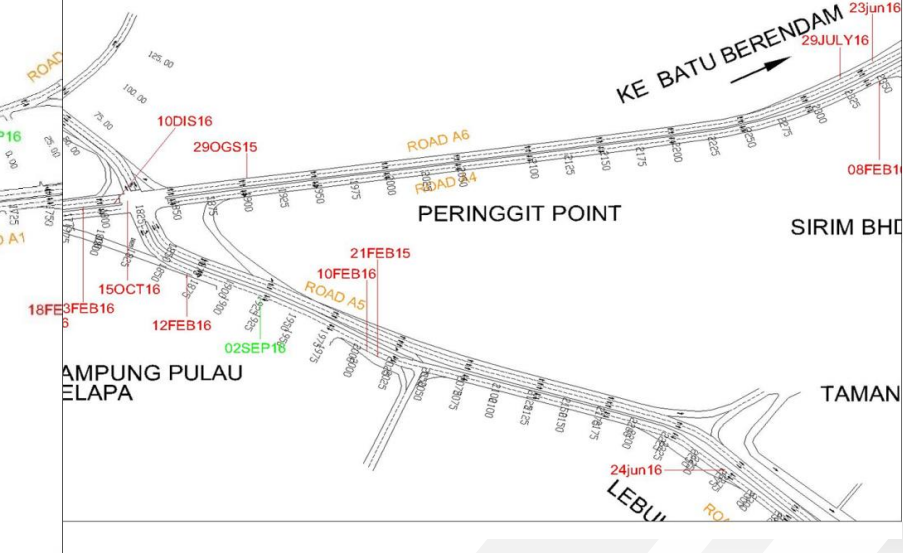
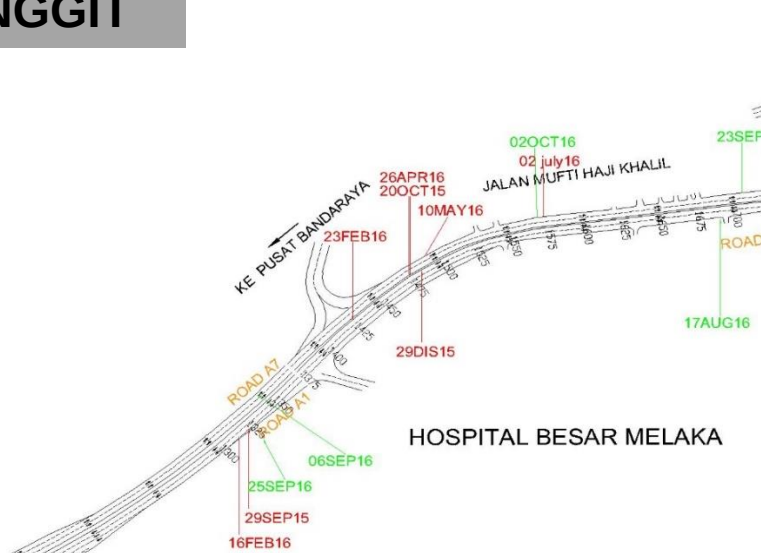


LOKASI KEMALANGAN

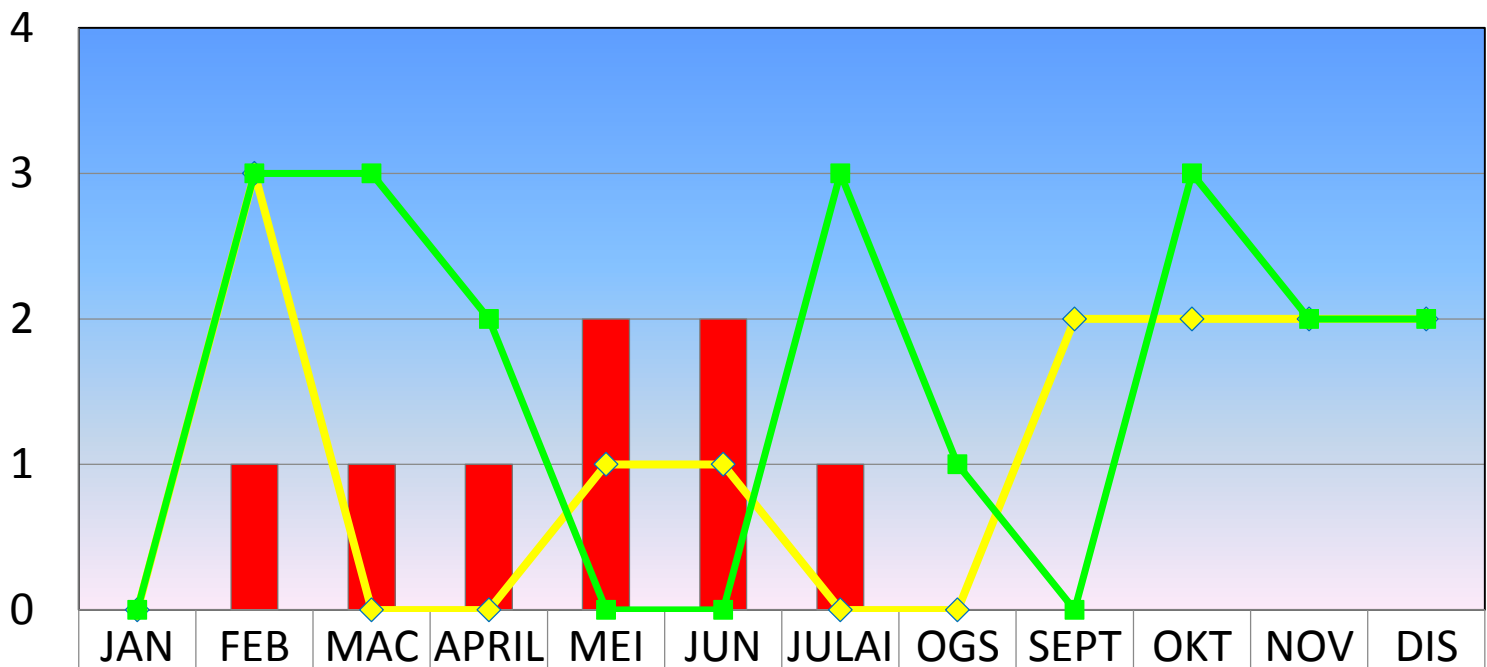
MITC



PERINGGIT



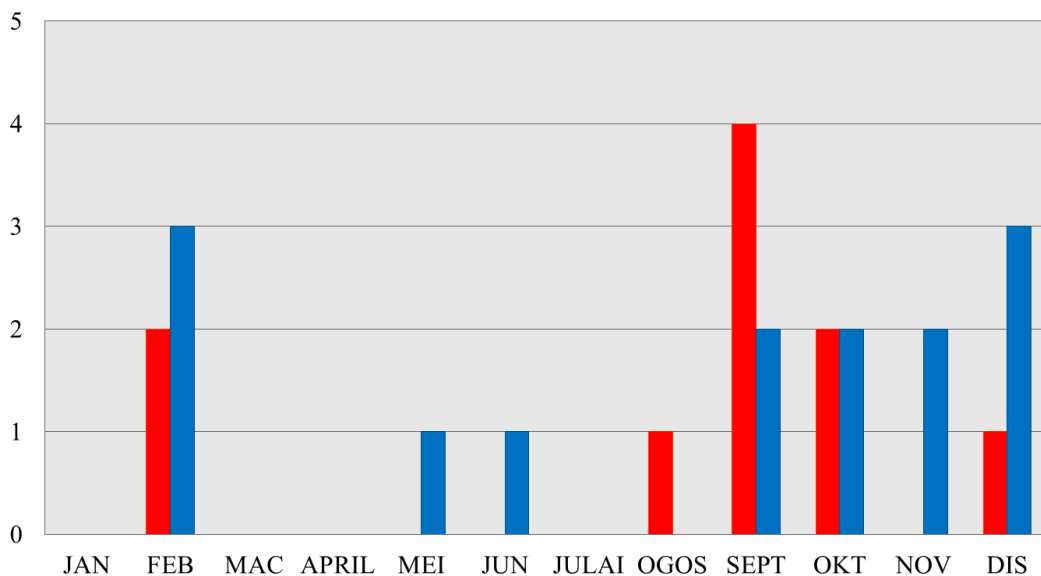
CARTA KEMALANGAN PERSIMPANGAN MITC



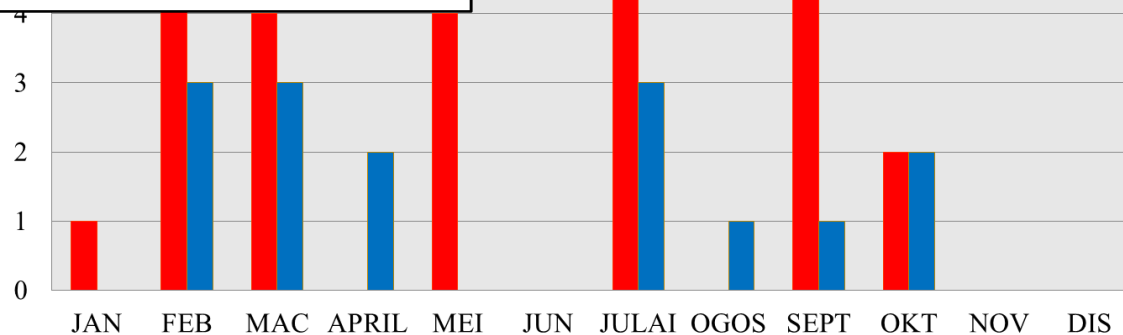
MITC 2017	0	1	1	1	2	2	1	0				
MITC 2015	0	3	0	0	1	1	0	0	2	2	2	2
MITC 2016	0	3	3	2	0	0	3	1	0	3	2	2

STATISTIK KEMALANGAN

2015

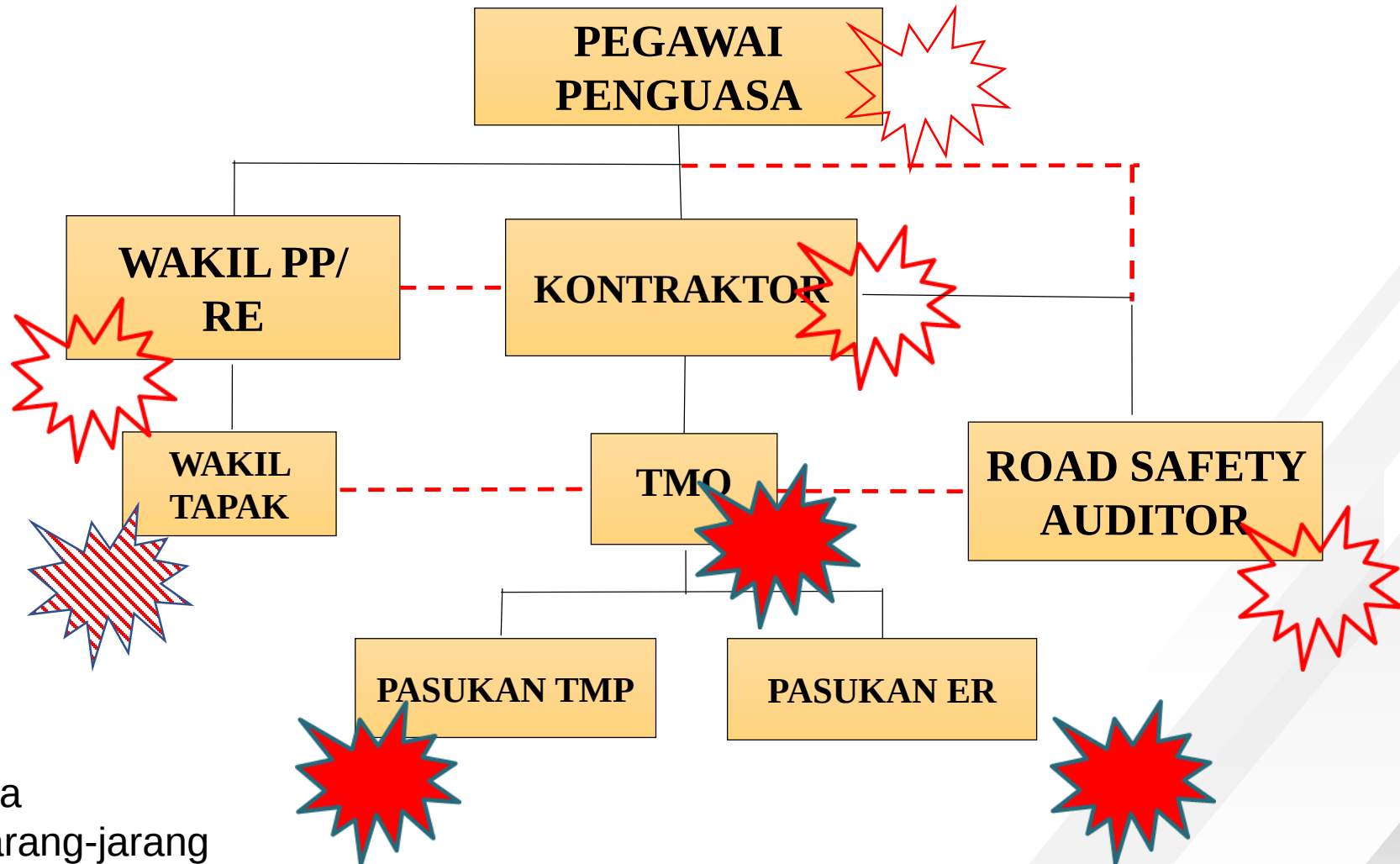


2016





PENGLIBATAN MASA PASUKAN PROJEK (BERKAITAN TMP)



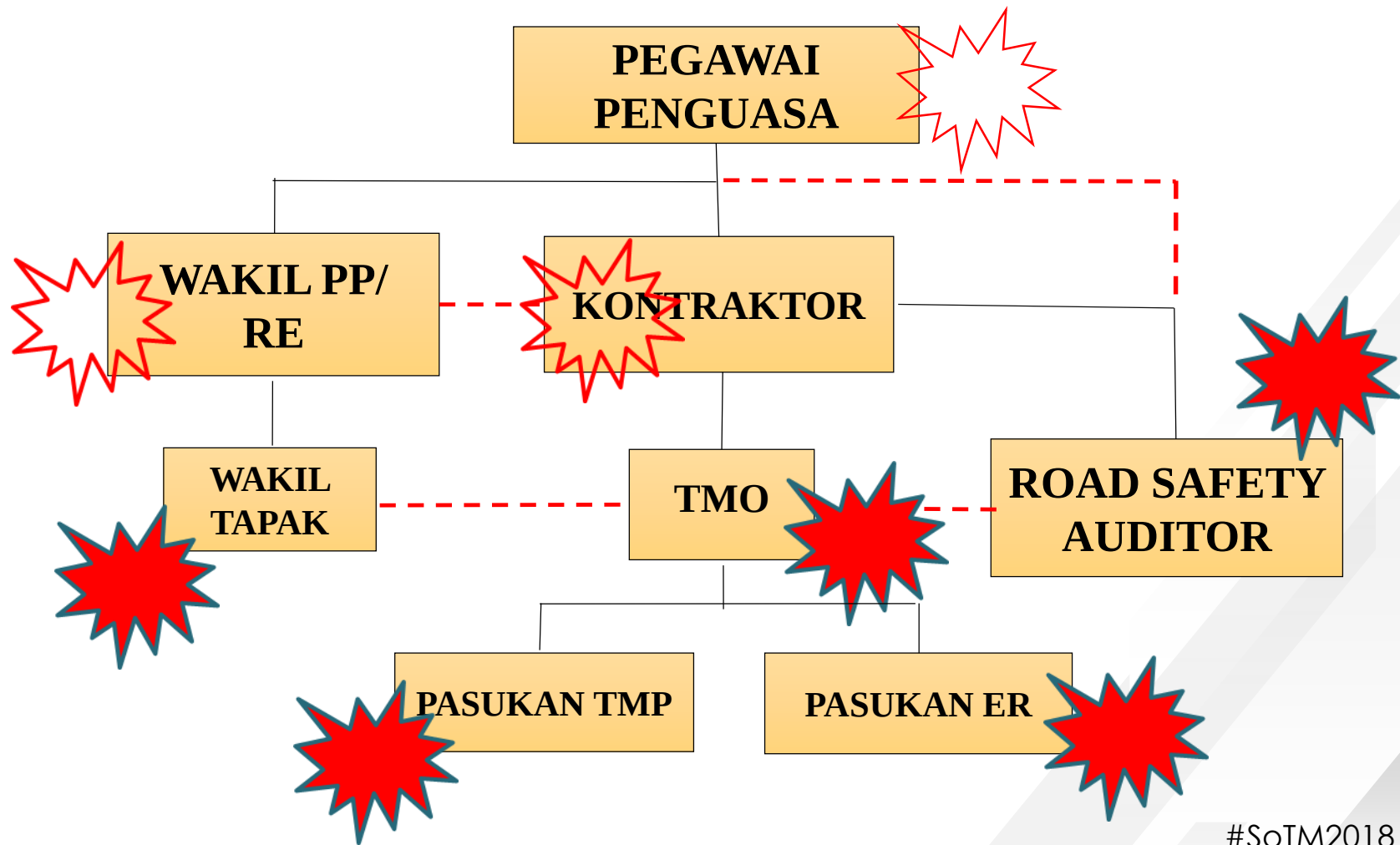
Nota

- Jarang-jarang
- Kerap
- Sepenuhmasa

#SoTM2018



KOMPETENSI PASUKAN PROJEK (BERKAITAN TMP)



Lokasi Papan Tanda Apologetik

PERSIMPANGAN MITC

◀ Ke Bandar Melaka

HARAP MAAF
KESULITAN
AMAT DIKESALI

4 nos

PEMBINAAN SEDANG
DIJALANKAN
UNTUK KEMUDAHAN
ANDA DI MASA
HADAPAN

5 nos

Mydin

Kota
Cemerlang

Ke MITC ▶

▶ Ke Seri Negeri

Ke Tol Ayer Keroh ▶



Lokasi Papan Tanda Apologetik

PERSIMPANGAN PERINGGIT

HARAP MAAF
KESULITAN
AMAT DIKESALI

8 nos

PEMBINAAN SEDANG
DIJALANKAN
UNTUK KEMUDAHAN
ANDA DI MASA
HADAPAN

2 nos



Ke Bandar Melaka

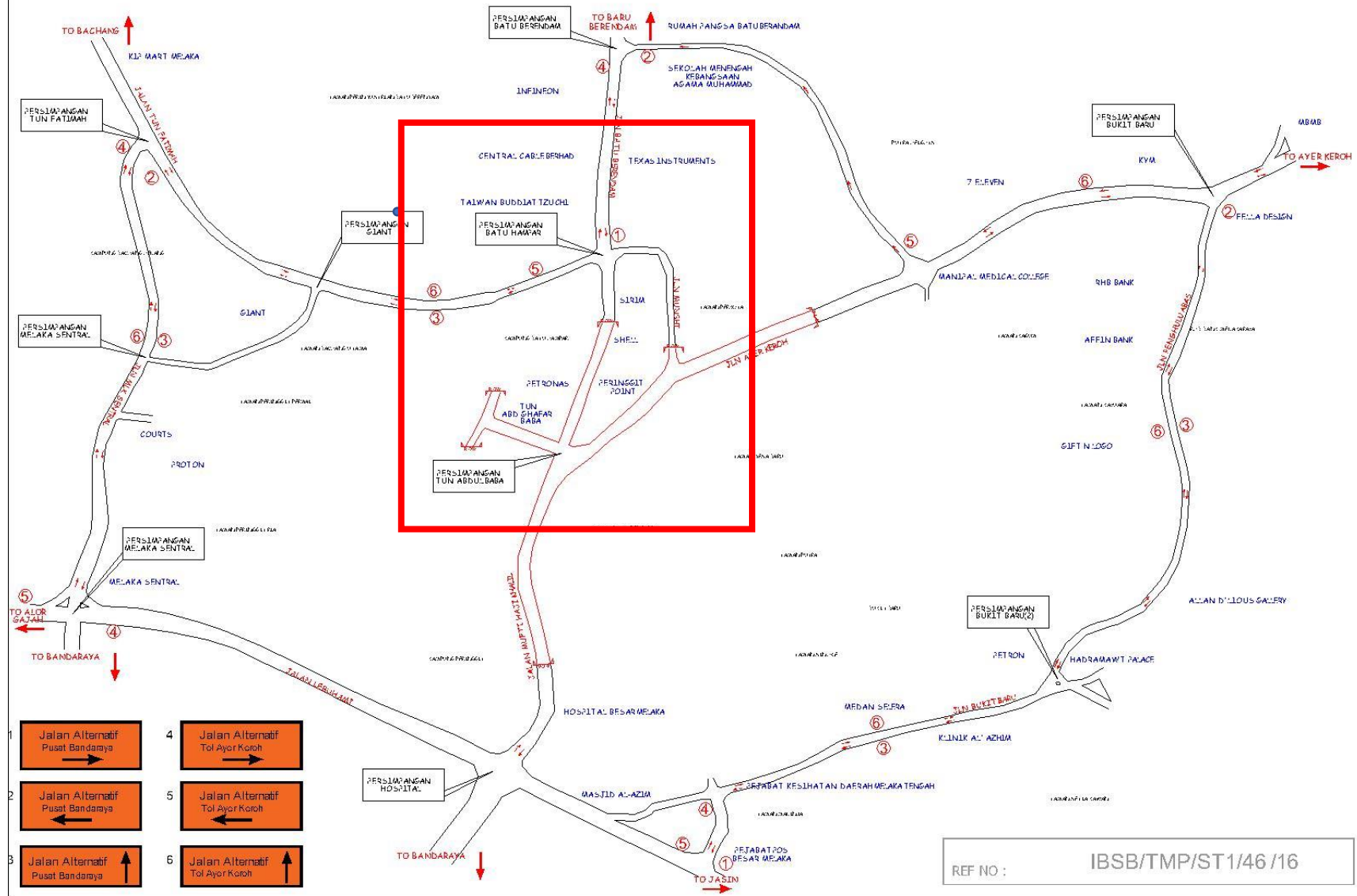
Hospital
Melaka

Peringgit
Point

Ke Batu Berendam

Ke Ayer Keroh

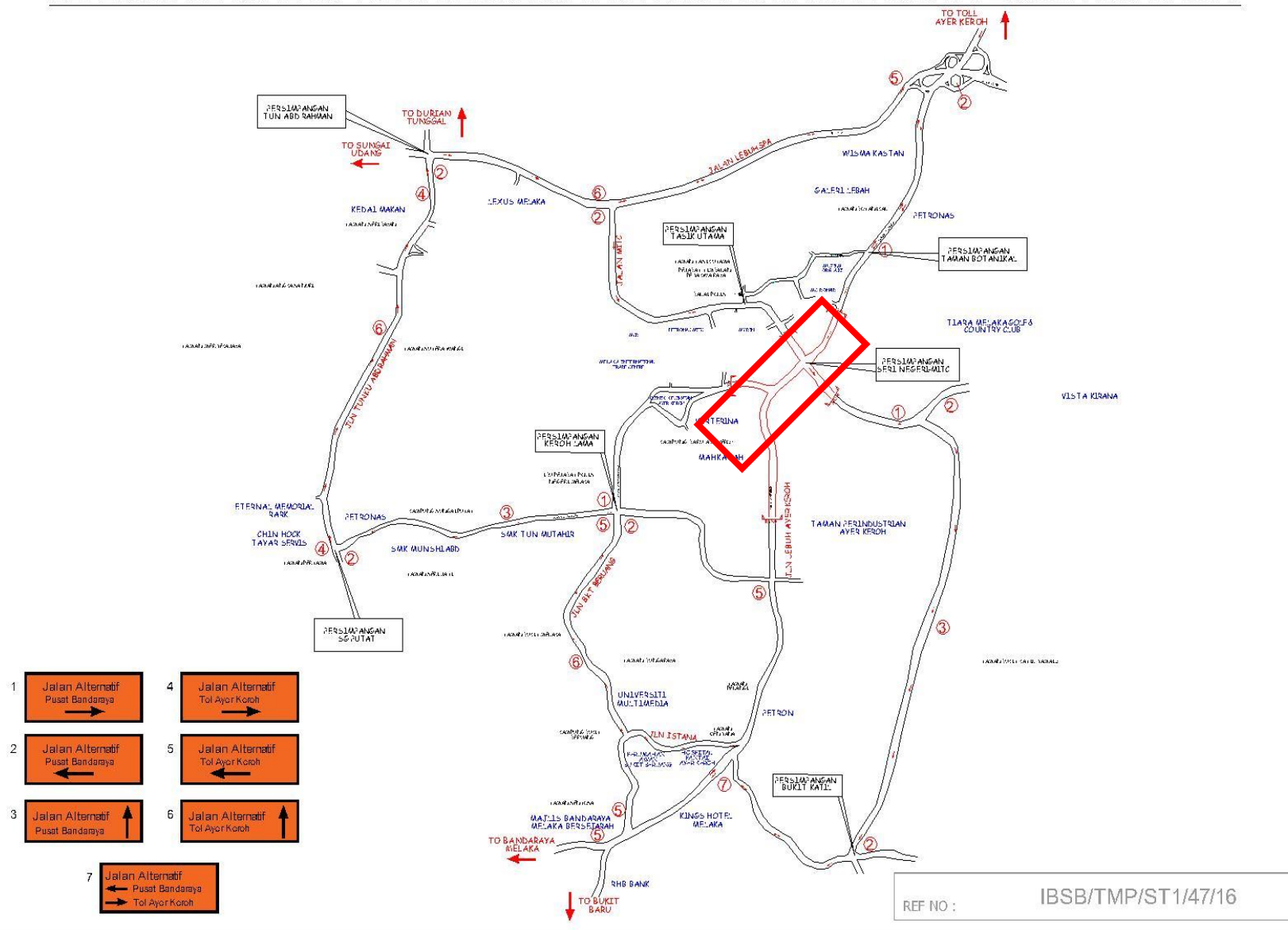
ALTERNATIVE ROAD TO TOLL AYER KEROH AND BANDARAYA MELAKA AT PERSIMPANGAN PERINGGIT



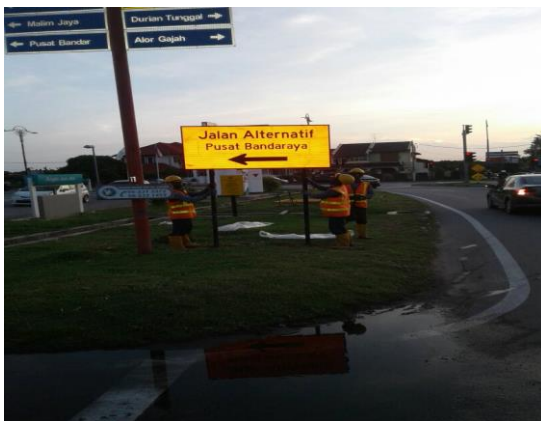
PEMASANGAN SIGNBOARD LALUAN ALTERNATIF BAGI PERINGGIT



ALTERNATIVE ROAD TO TOLL AYER KEROH AND BANDARAYA MELAKA AT PERSIMPANGAN MITC



PEMASANGAN SIGNBOARD LALUAN ALTERNATIF ROAD UNTUK MITC





VIDEO PERSIMPANGAN PERINGGIT

- Video Aliran Trafik Di Batu Hampar, Peringgit

PERSIMPANGAN PERINGGIT



JALAN A1/A2 – KOLEJ KEJURURAWATAN

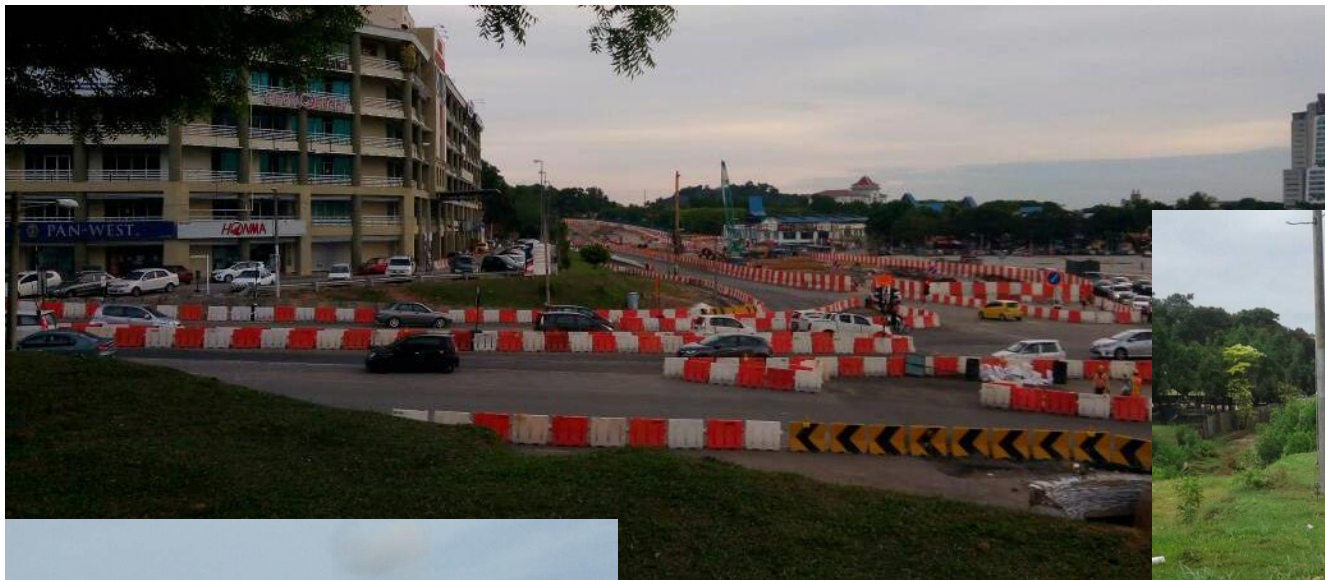


JALAN A1/A5 – TAMAN PERKOTA & KOLEJ MANIPAL

PERSIMPANGAN MITC



PERSIMPANGAN LAMPU ISYARAT MITC /
SERI NEGERI



JALAN C2 – KOTA
CERLANG



PERSIMPANGAN MITC

Penghargaan



Video Penghargaan TKPKR

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THANK YOU



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SEMINAR ON
TRAFFIC
MANAGEMENT

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