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A COMPARATIVE STUDY OF TUNNEL

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'A Comparative Study of Tunnel', would be the topic to fulfill the syllabus of Dissertation course, BSV 695. This dissertation is about to study the tunnels' maintenance in Malaysia. Generally, the maintenance issues are related with the previous history of any tunnel. For example, the way the tunnel is constructed as well as its design affected its maintenance, either in short or long term. The lack of supervision at the early stage of developing tunnel makes it to be bad in appearance and due to this, problems will arise. The safety between users will be decreased. In allowing the tunnel to be well-comfort would be created and produced, in order to prevent something bad and unplanned because of insufficient way in providing good tunnel. This facilities and safety features move in parallel to provide more sufficient maintenance program. Comfort tunnel could make the users feel safe, comfort and confidence when they get through it, without any hesitant feeling.

ABBREVIATIONS	DESCRIPTIONS
AFC	Automatic Fare Collection
ATC	Automatic Control System
ATM	Automatic Ticket Machines
BAS	Building Automation System
CCTV	Close Circuit Television
CFP	Collated Fibrillated Polypropylene
ECS	Environmental Control Systems
FCR	Fire Common Room
GIS	Geo Information Systems
IMR	Intermediate Ring Road
ITS	Intelligent Transportation System
KL	Kuala Lumpur
KLCC	Kuala Lumpur City Center
KLK	Kuala Lumpur-Karak Highway
LITRAK	Lingkar Trans Kota Sdn Bhd
LLM	Lembaga Lebuhraya Malaysia
MCS	Maintenance Control System
MHA	Malaysia Highway Authority
MRR	Middle Ring Roads
M & E	Mechanical and Eletrical

SHORTFORM	MEANING
NFPA 130	National Fire Protection Association 130
NKVE	New Klang Valley Expressway
PUTRA	Projek Usahasama Transit Ringan Automatik
SPRINT	Sistem Penyuraian Trafik KL Barat Sdn Bhd
PSDS	Platform Screen Door Systems
ROW	Right of Way
SMART	Stormwater Management and Road Tunnel
SPT	Standard Penetration Test
SPNB	Syarikat Prasarana Negara Berhad
TBM	Tunnel Boring Machine
TV	Television
TVF	Tunnel Ventilation Fan
UPE	Under Platform Exhaust
UPEF	Under Platform Exhaust Fan
UPS	Ultimate Power Supply
VMS	Variable Message Sign

ITEMS	PAGES
Figure 1 Course of Maintenance Cycle	61
Figure 2 The Layout of Rail Based Public Transport System	68
Figure 3 Location Map of Penchala Tunnel	108
Figure 4 The Clearance Envelope is 10.5 m wide X 5.4 m high	112
Figure 5 Location Map of Twin Tunnel	136
Figure 6 Site Plan	143
Figure 7 Tunnel Cross Section	149
Figure 8 Tunnel Support Measures in Type 3 Ground	153
Figure 9 Cross Section of Tunnel	154
Figure 10 Typical Longitudinal Section Cross Passage	171
Figure 11 Number of Maintenance Work That Carried Out to Each Tunnel	176