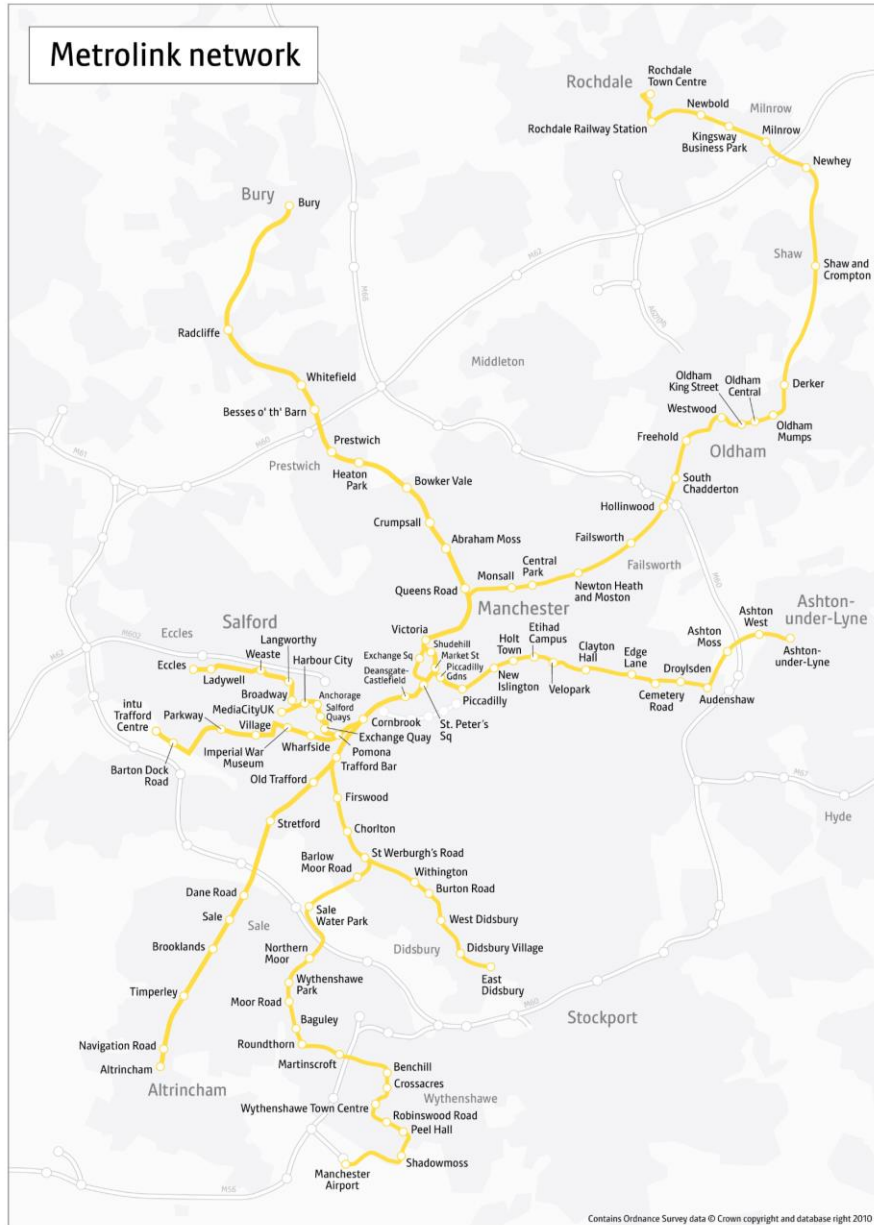




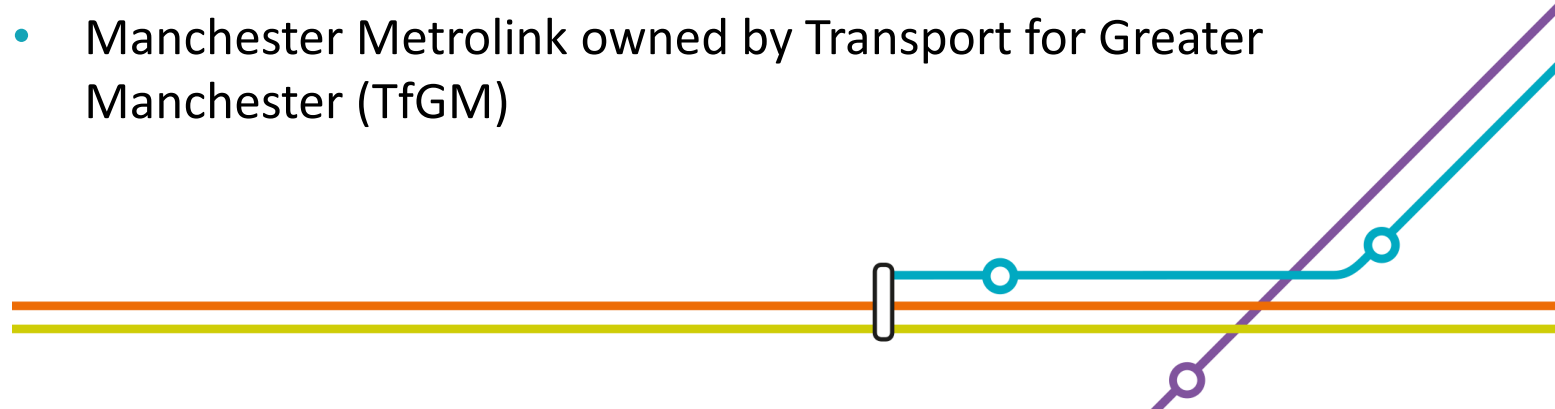
Coronavirus - Keeping Greater Manchester Moving

Head of Infrastructure - Jen M^cKinney

Manchester Metrolink Background



- Metrolink is the UK's largest tram network:
 - Running to a total of 101.5km
 - 8 lines
 - 99 stops
 - 120 trams (plus 27 due 2020)
 - 2 depots – Old Trafford and Queens Road
 - 7 (of 10) Greater Manchester Boroughs
- Keolis Amey Metrolink (KAM) commenced in July 2017 as Operator and Maintainer of Metrolink – 7+3years
- Manchester Metrolink owned by Transport for Greater Manchester (TfGM)



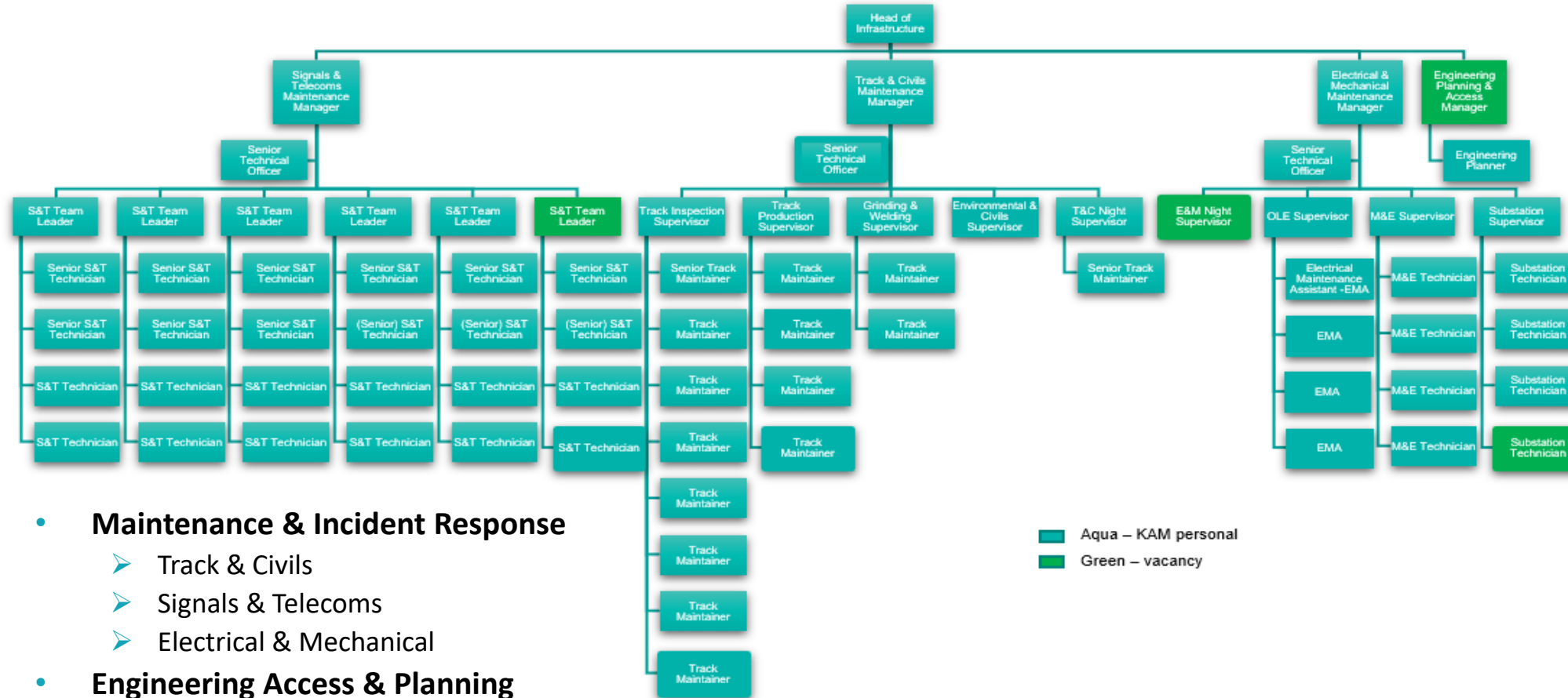
Keolis Amey Operator Maintainer



- Keolis Amey Joint Venture (KAM)
 - Keolis international passenger transport business
 - Amey leading supplier of consulting and infrastructure support services
- Keolis Amey are involved in 3 JV's:
 - Manchester Metrolink
 - London Docklands Light Railway
 - Wales and Borders



Infrastructure Department



- **Maintenance & Incident Response**

- Track & Civils
- Signals & Telecoms
- Electrical & Mechanical

- **Engineering Access & Planning**

- Maintenance
- 3rd Parties & Projects

Infrastructure Emergency Rosters & Support

- 'Engineering Head of' roster to provide depot coverage to support frontline teams.
- Introduce emergency infrastructure disciplines rosters to keep our teams safe, provide coverage for essential maintenance and incident response:
 - Protect shielding team members (welfare support logistics from home then furlough)
 - Single occupancy vehicles wherever practicable
 - Do stagger start & finish times
 - Keep teams constant wherever possible
 - Team members work home and deploying to worksites/incident wherever possible
 - Enable social distancing in the depots and on worksites

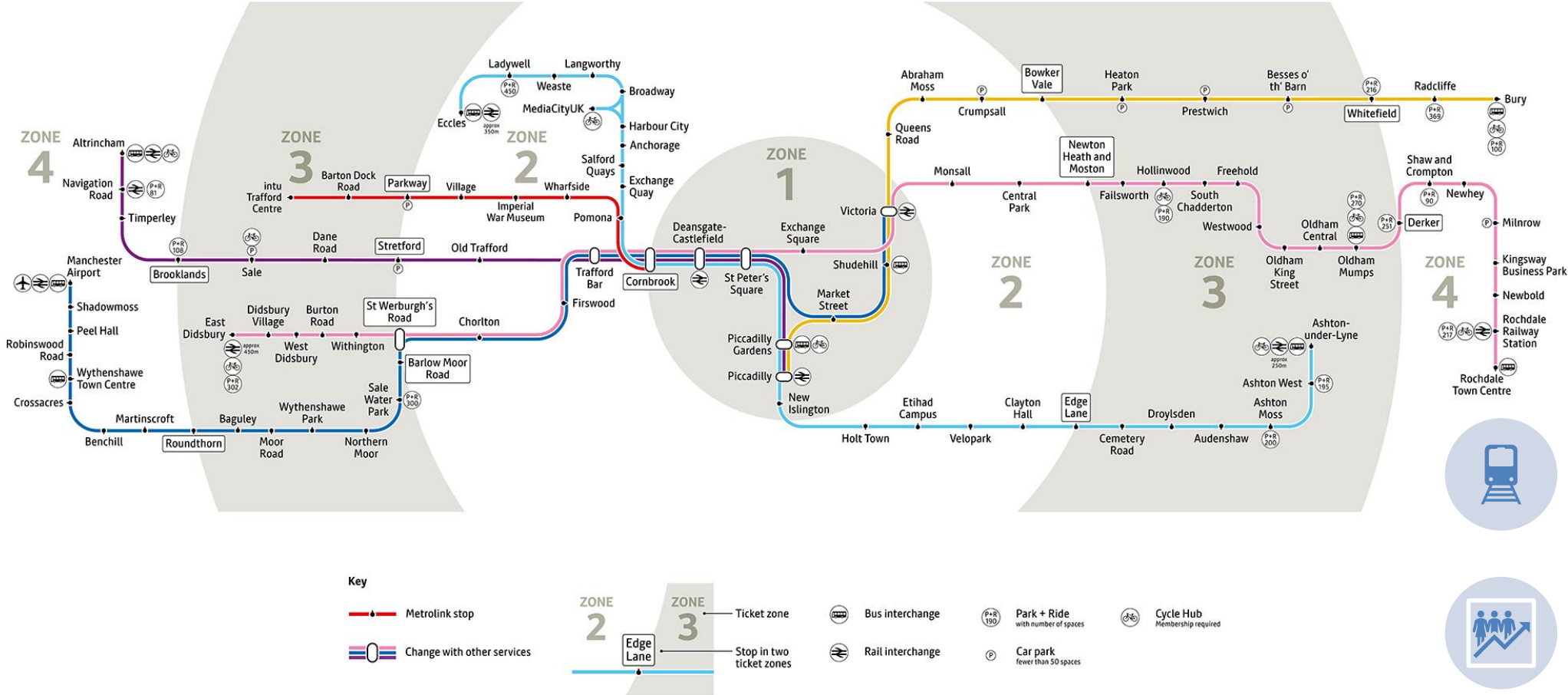
S&T Roster																																					
W-VAN	0600-1800																																				
W-VAN	1800-0600																																				
D	0700-1900	Team Leaders							Senior Technicians							Technicians																					
N	1900-0700																																				
AIL	Annual Leave																																				
	Days Booked																																				
	Remaining																																				
Day	Date	Staff Roster																																			
Sunday	22/03/2020			CV19	R		CV19	R	R	R	R					CV19	R	R	R	R		R															
Monday	23/03/2020	W-FH	W-FH	CV19	D		CV19	R	N		W-FH	W-FH	CV19	R	N	R			LTS	N		W-FH	D		AIL		W-FH	CV19	R	D	R	CV19	R				
Tuesday	24/03/2020	W-FH	W-FH	CV19	D		CV19	R	N		W-FH	W-FH	CV19	R	N	R			LTS	N		W-FH	D		AIL		W-FH	CV19	R	D	R	CV19	R				
Wednesday	25/03/2020	W-FH	W-FH	CV19	N		CV19	D		R		W-FH	W-FH	CV19	D	N	R			LTS	N		W-FH	R		R		W-FH	CV19	D	R	R	CV19	R			
Thursday	26/03/2020	W-FH	W-FH	CV19	1500-1900		CV19	0700-1500	N		W-VAN 1800-0600		W-FH	CV19	D		N	R		LTS	R		W-FH	R	R		W-FH	CV19	D	R	N	CV19	R				
Friday	27/03/2020	W-FH	W-FH	CV19	1300-1900		CV19	0700-1300	N		W-VAN 1800-0600		W-FH	CV19	D		R	N	R		LTS	R		W-VAN 0600-1800		R	R		CV19	D	R	N	CV19	R			
Saturday	28/03/2020			CV19	R		CV19	D	N		R		W-VAN 0600-1800	CV19	R	R	N			LTS	R	R	D				W-VAN 1800-0600	CV19	R	R	N	CV19	AIL				
Sunday	29/03/2020			CV19	N		CV19	D	R		R		W-VAN 0600-1800	CV19	R	R	R			LTS	R	R	D				W-VAN 1800-0600	CV19	R	N	R	CV19	AIL				
Monday	30/03/2020	W-FH	W-FH	CV19	N		CV19	D	R		R		R	CV19	R	R	D			LTS	R		W-VAN 0600-1800	N	N	N	W-VAN 1800-0600	CV19	R	N	R	R	AIL				
Tuesday	31/03/2020	W-FH	W-FH	CV19	N		R	D	R		R		R	CV19	R	R	D			LTS	R		W-VAN 0600-1800	N	N	N	W-VAN 1800-0600	CV19	R	N	R	R	AIL				
Wednesday	01/04/2020	W-FH	W-FH	CV19	N		R	0700-1300	1300-1900				W-VAN 0600-1800	CV19	D		R			LTS	D		R	N	N		W-VAN 1800-0600	N	R		R	R	R				
Thursday	02/04/2020	W-FH	W-FH	TBC	R		N	0700-1300	1300-1900				W-VAN 1800-0600	W-VAN 0600-1800	R	N	D		R		R		R				W-VAN 1800-0600	R	S	R	N	N	R				
Friday	03/04/2020	W-FH	W-FH	TBC	D		N	R	R				W-VAN 1800-0600	W-VAN 0600-1800	R	N	D		R		LTS	D		R	R		R	R	S	R	R	N	N				
Saturday	04/04/2020			TBC	R		N	R	D				W-VAN 1800-0600	R	R	N				LTS	R		W-VAN 0600-1800		R	R		R	R	S	R	D	N	R			
Sunday	05/04/2020			R	R		R	N	D			R	R	R	R	R				LTS	R		W-VAN 0600-1800		R		W-VAN 1800-0600	R	D		R	R	S	N	D	R	N
Monday	06/04/2020	W-FH	W-FH	R	R		R	N	D			R	R	R	R	D				LTS	R		W-VAN 0600-1800		R		W-VAN 1800-0600	R	S	N	D	R	N	N			
Tuesday	07/04/2020	W-FH	W-FH	R	R		R	N	D			R	R	R	R	D				LTS	R		W-VAN 0600-1800		R		W-VAN 1800-0600	D	R	R	D	R	N	N			
Wednesday	08/04/2020	W-FH	W-FH	R	R		R	N	D			R	R	R	R	D				LTS	R		W-VAN 0600-1800		R		W-VAN 1800-0600	D	R	R	D	R	N	N			
Thursday	09/04/2020	W-FH	W-FH	TBC	D		N	R	R				W-VAN 1800-0600	D	R	N	R			LTS	N		R	D			W-VAN 0600-1800	D	R	R	D	R	R	D			
Friday	10/04/2020	W-FH	W-FH	TBC	D		R	R	R				W-VAN 1800-0600	D	R	N	R			LTS	N		R	R			W-VAN 0600-1800	D	R	R	D	R	R	D			
Saturday	11/04/2020			TBC	N		D	R	R				W-VAN 0600-1800	W-VAN 1800-0600	R	D	N			LTS	N		R	R			W-VAN 0600-1800	R	D	R	R	D	R	D			
Sunday	12/04/2020			R	R		D	R	N				W-VAN 0600-1800	R	R	D				LTS	R		R	R			R	R	R	D	R	N	D	R			
Monday	13/04/2020	W-FH	W-FH	R	R		D	R	N				W-VAN 0600-1800	R	R	D				LTS	R		W-VAN 0600-1800		R	R		R	D	R	N	D	R				
Tuesday	14/04/2020	W-FH	W-FH	R	R		D	R	N				W-VAN 0600-1800	R	R	D				LTS	R		W-VAN 1800-0600		R	N	R	R	D	R	N	D	R				
Wednesday	15/04/2020	W-FH	W-FH	R	R		D	R	N				W-VAN 0600-1800	R	R	D				LTS	R		W-VAN 0600-1800		R		W-VAN 1800-0600	R	D	R	N	D	R				
Thursday	16/04/2020	W-FH	W-FH	R	N		R	D	R				R	N	R					LTS	R		W-VAN 0600-1800		R	N		W-VAN 0600-1800	N	R	D	R	D	D			
Friday	17/04/2020	W-FH	W-FH	R	N		R	D	R				R	N	R					LTS	R		W-VAN 0600-1800		N	N		W-VAN 1800-0600	N	R	D	R	R	D			
Saturday	18/04/2020			TBC	N		D	R	R				W-VAN 0600-1800	N	R		D			LTS	R		D		R	N	N	W-VAN 1800-0600	N	R	R	R	R	R			

Trafford Park Line Launch – 22nd March 2020

- The new Trafford Park Metrolink line opened to the public to provide vital service to key workers in the area, seven months ahead of schedule.
- The new line added a further 5.5km of track and six additional stops constructed by MPT (Laing O'Rourke, VolkerRail and Thales).
- The delivery of the new line supports Greater Manchester's progress towards a London-style transport system. Launched in June 2019, 'Our Network' is a ten-year plan to create an integrated, modern and accessible public network – of which further Metrolink extensions and the introduction of tram-train are focal points.



Reduced Coronavirus Service Pattern



More double units will be in operation to ensure that social distancing measures



There has been a **95 per cent drop in patronage** as our customers continue to stay at home..

23rd March 2020

- Operate on a 12-minute frequency across the network.
- Services will operate Monday to Saturday from 6am to 11pm and Sunday 7am to 11pm.

6th April 2020

- 20 minute service frequency to keep key workers moving.
- 6am to 10pm Monday to Saturday and 7am to 10pm on Sundays.

Coronavirus Communication

CORONAVIRUS ENGINEERING UPDATE

SUBJECT: Distancing in Engineering

DATE & TIME: Friday 27/03/2020 1600hrs

This briefing note gives advice for front line engineering colleagues on applying the government and NHS guidelines on preventing the spread of COVID-19, while recognising the critical work that we need to carry out to keep Greater Manchester moving safely.

This advice applies to everyone working on Metrolink infrastructure, whether KAM employees, contractors or visitors.

During Works:

- Employees must maintain a separation of 2m wherever possible
- PPE must never be shared between colleagues
- Wear gloves at all times other than eating and do not touch your face

Breaks, Messing and Welfare Facilities:

- Breaks should be staggered to minimise people using mess facilities at the same time and maintain 2m separation
- All employees must wash hands before and after breaks
- Anything touched, or items used in mess facilities must be wiped down using available cleaning equipment before and after use

Using and Sharing Equipment:

- Avoid sharing equipment wherever possible
- Wear gloves at all times other than eating and do not touch your face
- Do not pass mobile phones or radios between people
- Any equipment that must be shared, must be wiped down using available cleaning equipment before and after use

PIC Briefings:

- PICs should include this advice as part of their briefing
- PICs should ask all members of the work party to confirm that they are not showing any symptoms of COVID-19, and have not been in contact with anyone who has confirmed or suspected COVID-19
- PICs should ask all members of the work party to confirm that they have washed their hands prior to entering the site

Questions regarding this update can be directed to Head of Infrastructure Jen McKinney on 07855 093 050 or by email: JMckinney@metrolink.co.uk.

Date Posted	27/03/20
Date for withdrawal	TBC
Posted by (initials)	JMcK

CORONAVIRUS ENGINEERING UPDATE

SUBJECT: Welfare Vans

DATE & TIME: Wednesday 25 March 4pm

From 10pm on Wednesday 25 March, welfare vans will be available 24/7 days-a-week for all engineering colleagues to use in locations around the Metrolink network without access to other suitable welfare facilities. The welfare vehicles will have the following base points for cleaning and ISS welfare vehicle operative handover shifts as follows:

- 2 x Vans at Queens Road depot
- 1 x Van at Trafford depot

Use of welfare vans will be coordinated via the S&T maintenance team and allocated to worksites on a priority basis. The contact details for the team member co-ordinating each shift will be provided within the daily infrastructure team email update.



Questions regarding this update can be directed to Head of Infrastructure, Jen McKinney on 07855 093 050 or by email: JMckinney@metrolink.co.uk.

Reference	CV19/250320/003
Date Posted	25/03/2020
Date for withdrawal	TBC
Posted by (initials)	JMcK



Teams to enable
remote working



Coronavirus Briefings
to provide clear
consistent guidance

Social Distancing

KEOLIS amey
Metrolink

SOCIAL DISTANCING

Please respect our engineering team while we carry out essential maintenance to keep the tram network moving.



KEOLIS amey
Metrolink

- Special coronavirus related safety signage has been created to keep colleagues safe.
- The messaging reminds members of the public to respect our colleagues and observe social distancing measures when they see essential maintenance work taking place to keep the tram network moving.

TfGM #StaySafeSaveLives



TfGM #StaySafeSaveLives 
@OfficialTfGM



Listen up - Izzy has a message for you!

Her mum Jennifer is Head of Infrastructure for [@MCRMetroLink](#).

By staying at home, you are keeping key workers - like our team of engineers & drivers - safe.

Stay home, protect the NHS, save lives. [#StayAtHomeGM](#)



♥ 13 10:45 AM - Apr 16, 2020



- Volunteers from across the Metrolink team are taking part in a wider TfGM social media video selfie campaign.
- Show support for key workers and thank the people of Greater Manchester for protecting the NHS by only making essential journeys.

Welfare, Cleaning and Security



Welfare Vans
deploying to
required worksites
to enable easy
access to hand
washing facilities



**Cleaning anti-virus
cleaning** product
across all common
touch points &
hand sanitiser
distributed



Security resources
to support
essential
maintenance in
Street running
areas



Essential Maintenance (incl. OLE Inspections)



**Risk Assessments
& SSOW**

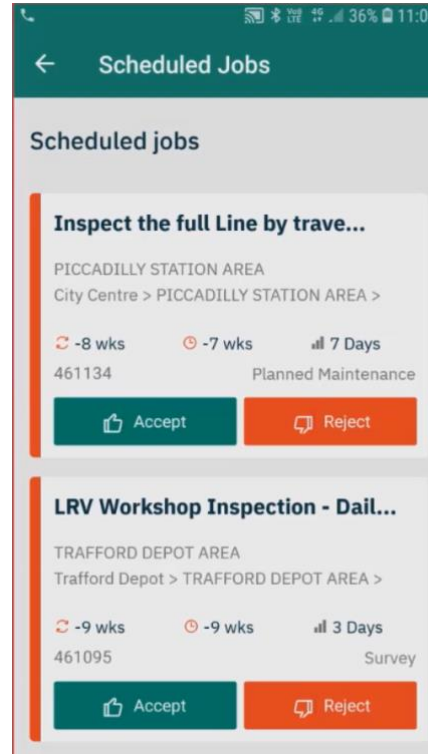
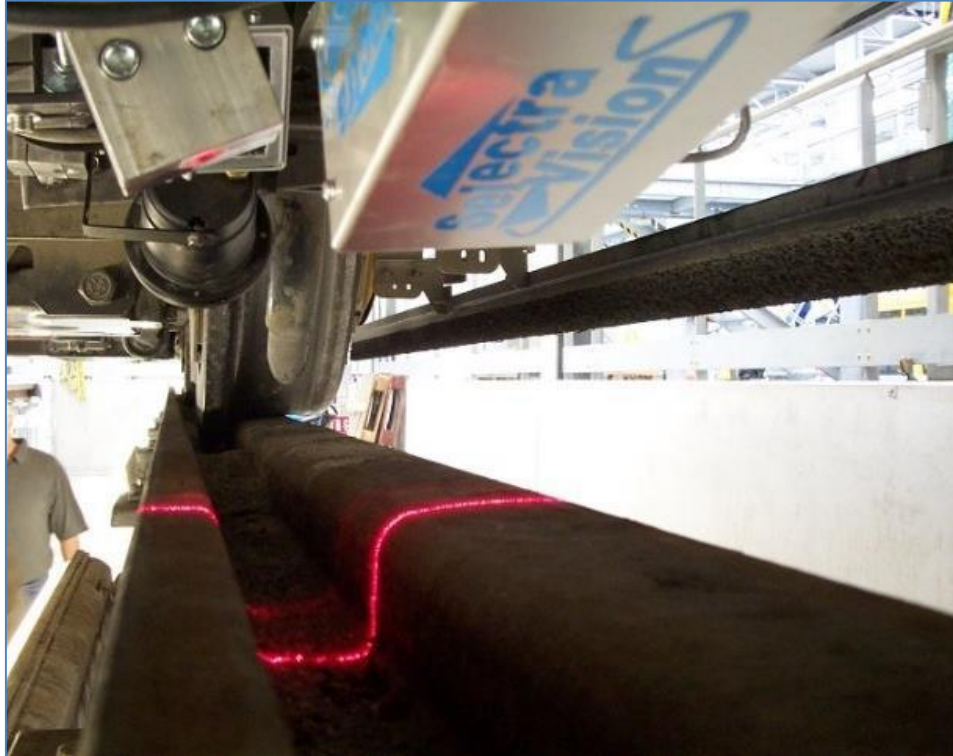


**PPE incl. Face
masks**



**Assessed essential
maintenance and
introduced TANC
Process**

Fit for the Future Projects - Proactive, Preventative Maintenance & Data Analytics



Remote Condition
Monitoring



Agility Mobile



Thank you

