



**METRO NORTH
ORAL HEARING
PRESENTATION**

Rob Kelly

Scheme Traffic Management Plan Module E

Friday 17th April 2009



Metro North

Module E – Key Changes from The EIS and STMP

Key Measures and Requirements

SLIDE 2 - Key Changes from EIS

- Public Transport Gate at College Green
- Revision of work methodology, sequencing and HGV generation numbers at each work site - reduced highway impacts as a result;
- Extra road space allocation around work sites
- Additional Traffic Management proposals as follows;
 - Right turn bans from O Connell Bridge to Eden Quay and from Bachelors Walk to O Connell Bridge

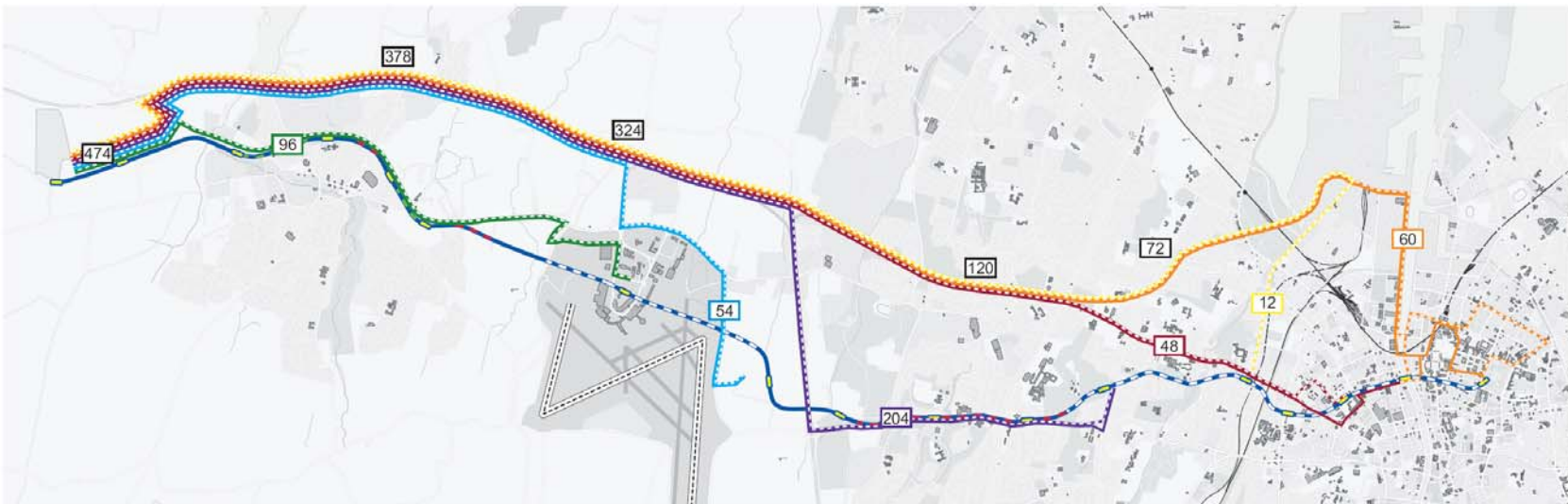
SLIDE 3 - Key Changes from EIS

- Provision of Public Transport lanes on Westmoreland Street and Parnell Square East for the duration of Metro North construction
- Provision of 4 lanes on O Connell Street for the duration of Metro North construction
- Revised City Centre traffic modelling incorporating Public Transport Gate;
- Revised strategic/local assessment and rating tables;
- Modelled journey times to City Centre Car Parks
- New PM Modelling in the City Centre undertaken by Dublin City Council

SLIDE 4 HGV No's EIS V STMP

Study Area	Works Site	EIS Total Trucks/Hour One Way	STMP Total Trucks/Hour One Way
Area MN107	St Stephens Green	12	7
Area MN107	O'Connell Bridge South	12	5
Area MN107	O'Connell Bridge North	12	5
Area MN107	Parnell Square	12	7
Area MN106	Mater Hospital	0	5
Area MN106	Drumcondra Stop	12	6
Area MN106	St. Patrick's Ventilation Shaft	12	5
Area MN106	Griffith Stop	12	4
Area MN105	Albert College Park Tunnels	18	12
Area MN105	DCU Stop	12	4
Area MN105	Cut & Cover in Ballymun	12	4
Area MN105	Ballymun Stop	12	4
Area MN104	Northwood Stop	12	4
Area MN104	Dardistown Stop	12	3
Area MN104	Airport Tunnels	15	7
Area MN103	Airport Stop	12	5
Area MN102	Fosterstown Stop	18	3
Area MN101	Swords Stop	6	3
Area MN101	Seatown Stop	6	3
Area MN101	Estuary Stop	6	0
Area MN101	Lissenhall Stop	6	0
Area MN101	Belinstown Depot	0	0
Total one way hourly movements		217	96
Total two way hourly movements		434	192

SLIDE 5 HGV No's EIS V STMP



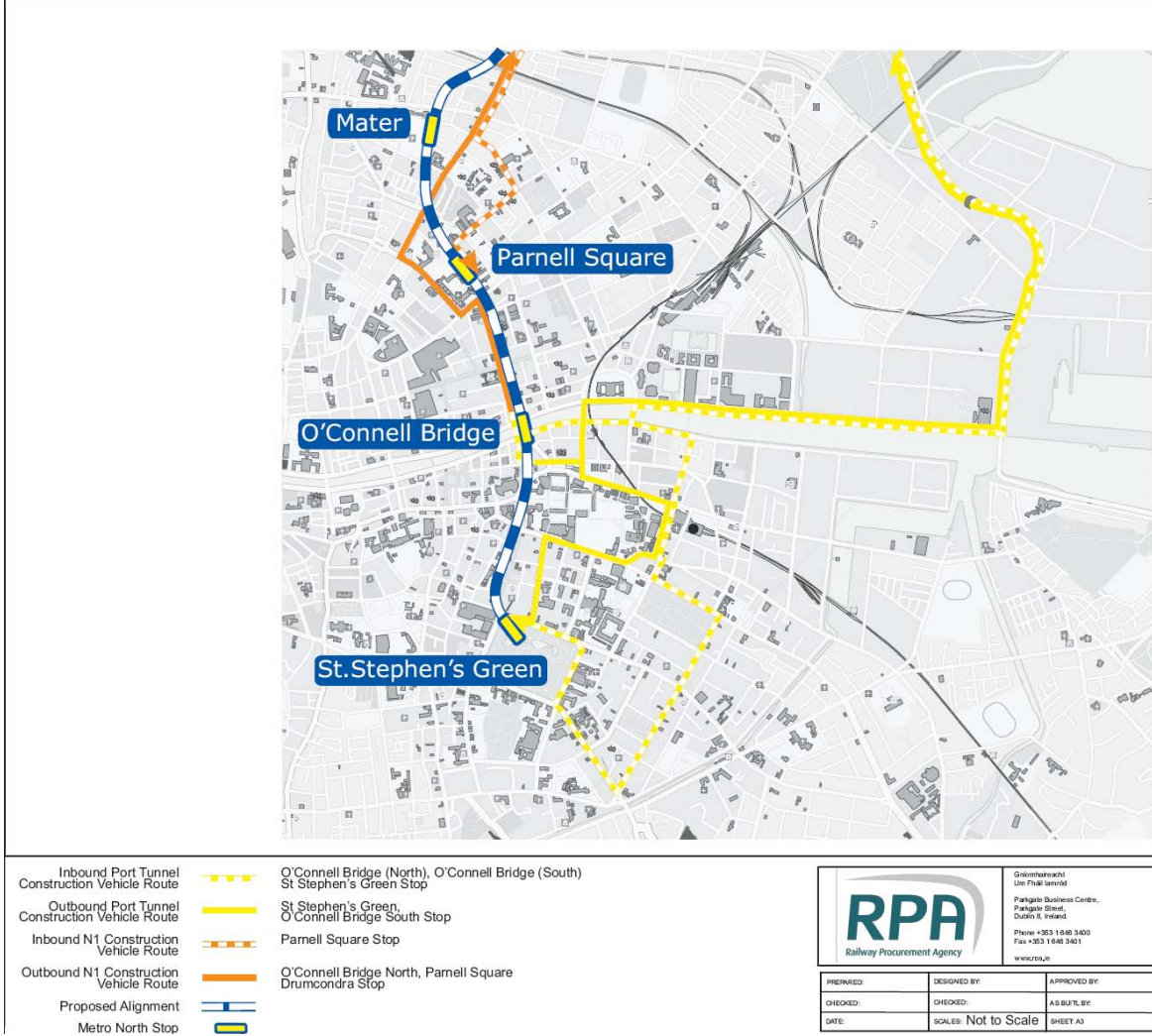
Construction Vehicle Routes with indicative 2-way hourly vehicle flows as per the EIS



Construction Vehicle Routes with indicative 2-way hourly vehicle flows as per the STMP



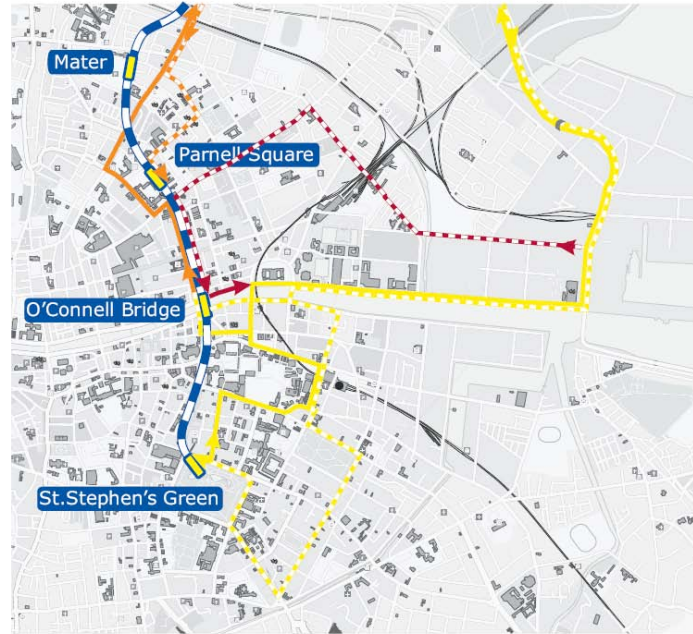
SLIDE 6 - City Centre Haul Routes - EIS



SLIDE 7 - City Centre Haul Routes - STMP

Additional HGV Route

- Port Tunnel-
Sheriff St-
Seville Place-
Summerhill
and Parnell
Street



Inbound Port Tunnel Construction Vehicle Route
 Outbound Port Tunnel Construction Vehicle Route
 Inbound N1 Construction Vehicle Route
 Outbound N1 Construction Vehicle Route
 Inbound Construction Vehicle Route
 Outbound Construction Vehicle Route
 Proposed Alignment
 Metro North Stop

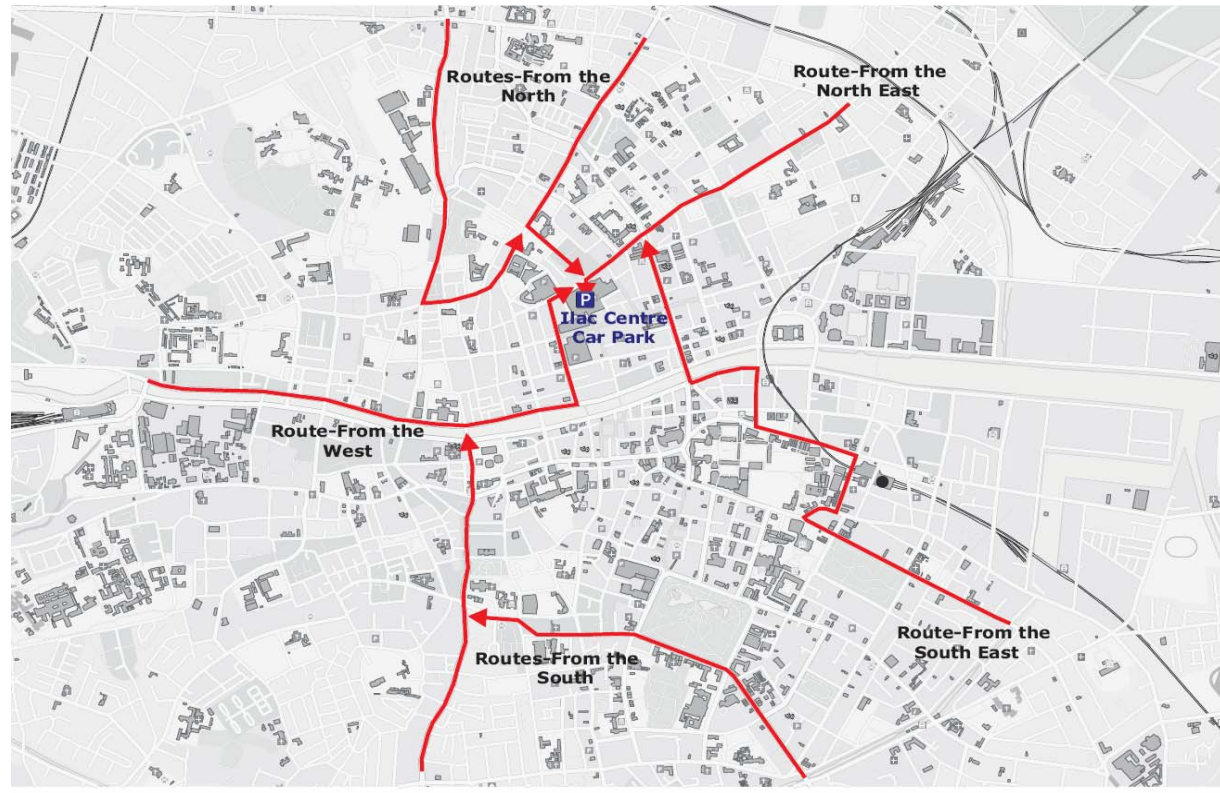
O'Connell Bridge (N), O'Connell Bridge (S), St Stephen's Green Stop
 St Stephen's Green, O'Connell Bridge South Stop
 Parnell Square Stop
 O'Connell Bridge North, Parnell Square, Drumcondra Stop
 STMP Additional Route
 STMP Additional Route

RPA
 Railway Procurement Agency

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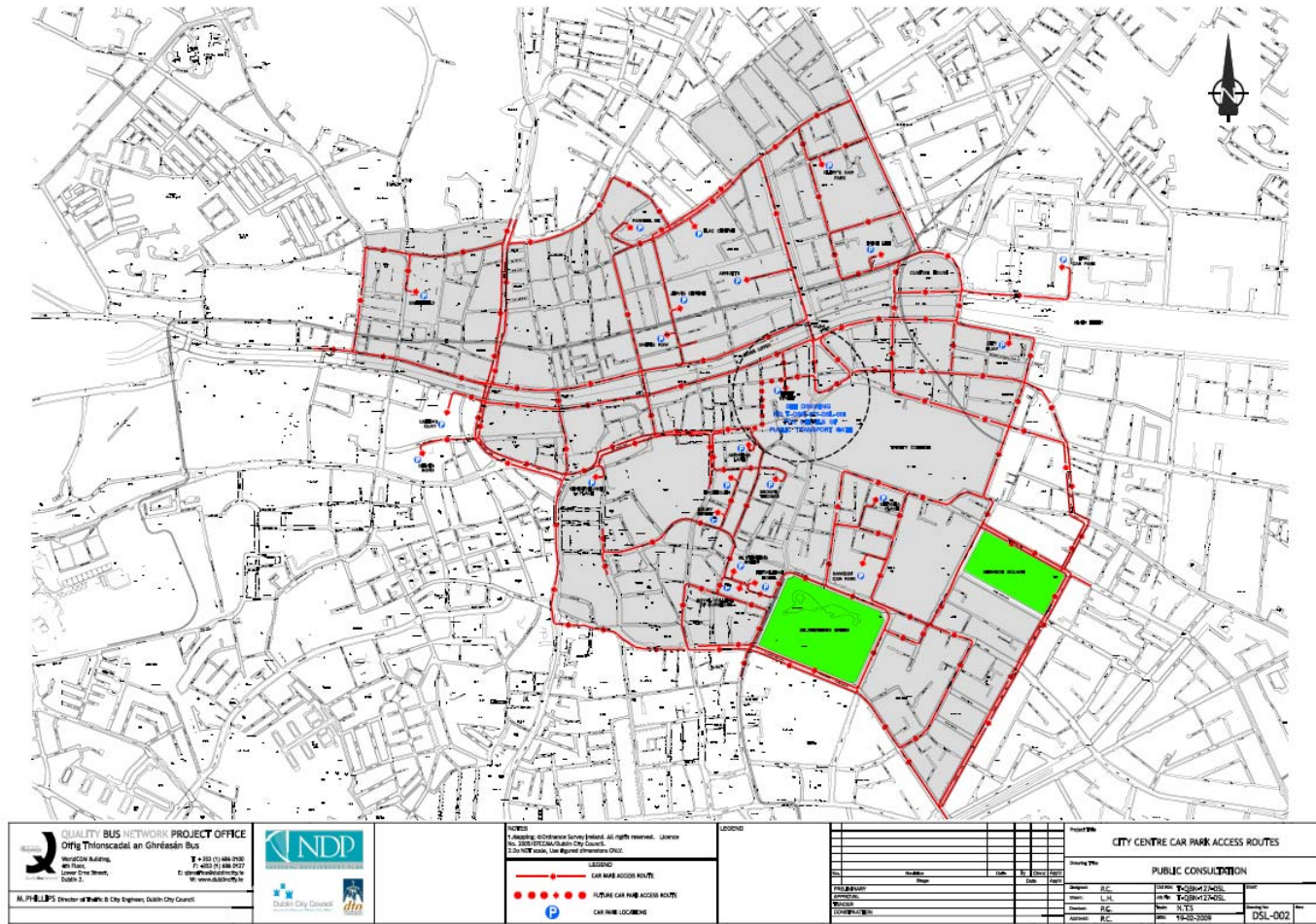
PREPARED BY:	CHECKED BY:	APPROVED BY:
DATE:	SCALE: Not to Scale	SHEET AS:

SLIDE 8 Access Routes To ILAC Car Park



		<small>Geographical Unit/Post Office Parigra Business Centre, Parigra Street, DUBLIN 8, IRELAND Phone +353 1 646 3400 Fax +353 1 646 3401 www.rpa.ie</small>		CONTRACT NO	AREA	CHANGE
<small>PREPARED: IA</small> <small>CHECKED: JH</small> <small>DATE: 11.02.2009</small>		<small>DESIGNED BY: IA</small> <small>CHECKED: JH</small> <small>SCALE: Not to Scale</small>		<small>LOCATION</small> <small>DRAWING TITLE</small> Ilac Centre Multi-Storey Car Park Access		
<small>APPROVED BY:</small> <small>AS BUILT BY:</small> <small>SHEET A3</small>		<small>APPROVED BY:</small> <small>AS BUILT BY:</small> <small>SHEET A3</small>		<small>SCALE</small>	<small>LINE</small>	<small>CONTRACT</small>
				<small>ELEMENT</small>	<small>DRAWN</small>	<small>DRAWN</small>

SLIDE 9 Access Routes To all CC Car Parks



SLIDE 10-Journey Time to Brown Thomas Car Park from Dublin Airport

2006 Base Model	2011 – Do No Metro North Construction	2011 – Do Construction with PT Gate
Journey Time		
34m 48s	52m 47s	49m 53s
Route		
Dublin Airport	Dublin Airport	Dublin Airport
Corballis Rd North	Corballis Rd North	Corballis Rd North
R132 (Southbound)	M1	R132 (Northbound)
Collinstown Cross	M50	Cloghran Roundabout
Old Airport Rd	R108	Naul Rd
R108	Ballymun Main St	R122
Ballymun Main St	Ballymun Rd	St. Margaret's Rd
Ballymun Rd	St Mobhi Rd	Jamestown Rd
St Mobhi Rd	Griffith Avenue	Sycamore Rd
Botanic Avenue	Bantry Rd	Willow Park Crescent
Drumcondra Rd Lower	Home Farm Rd	Beneavin Drive
Clonliffee Rd	Ferguson Rd	Ballygall Rd East
Jones's Rd	Milbourne Ave	Glasnevin Hill
Russell St	Richmond Rd	Botanic Rd
North Circular Rd	Ballybough Rd	Prospect Rd
Great Charles St	Summerhill Parade	Phibsborough Rd
Mountjoy Sq South	Portland Row	Church St
Gardiner St Middle	Killarney St	Inns Quay
Parnell St	Sean MacDermott St Lr	Ormond Quay Upper
Cumberland St North	Sean MacDermott St Upr	Parliament St
Sean MacDermott St Upr	Cathal Brugha St	Dame St
Cathal Brugha St	O'Connell St	Trinity St
O'Connell St	O'Connell Br	Wicklow St
O'Connell Br	D'Olier St	Clarendon St
D'Olier St	College Green	BT Car Park
College Green	Dame St	
Dame St	Trinity St	
Trinity St	Wicklow St	
Wicklow St	Clarendon St	
Clarendon St	BT Car Park	
BT Car Park		

SLIDE 11 - Journey Time between Rathmines and Fleet Street Car Park

2006 Base Model	2011 – Do No Metro North Construction	2011 – Do Construction with PT Gate
Journey Time		
24m 25s	34m 24s	23m 35s
Route		
Rathmines Police Station	Rathmines Police Station	Rathmines Police Station
Rathmines Rd Lower	Rathmines Rd Lower	Rathmines Rd Lower
Richmond St South	Richmond St South	Richmond St South
Lennox St	Lennox St	Lennox St
Stamer St	Stamer St	Stamer St
Heytesbury St	Heytesbury St	Heytesbury St
New Bride St	New Bride St	New Bride St
Bride St	Bride St	Bride St
Ross Rd	Ross Rd	Ross Rd
Nicholas St	Nicholas St	Nicholas St
Christchurch Place	Christchurch Place	Christchurch Place
Lord Edward St	Lord Edward St	Lord Edward St
Dame St	Dame St	Dame St
College Green	College Green	Anglesea St
Westmoreland St	Westmoreland St	Fleet St
Fleet St	Fleet St	Fleet St Car Park
Fleet St Car Park	Fleet St Car Park	

SLIDE 12-Journey Time between Rathmines and Cleary's Car Park

2006 Base Model	2011 – Do No Metro North Construction	2011 – Do Construction with PT Gate
Journey Time		
21m 8s	33m 25s	30m 5s
Route		
Rathmines Police Station	Rathmines Police Station	Rathmines Police Station
Rathmines Rd Lower	Rathmines Rd Lower	Rathmines Rd Lower
Richmond St South	Castlewood Avenue	Castlewood Avenue
Lennox St	Charleston Rd	Charleston Rd
Stamer St	Ranelagh Rd	Ranelagh Rd
Heytesbury St	Chelmsford Rd	Dartmouth Rd
New Bride St	The Appian Way	Leeson St
Bride St	Leeson St	Wilton Terrace
Ross Rd	Fitzwilliam Place	Herbert Place
Nicholas St	Fitzwilliam St	Mount St Upper
Winetavern St	Merrion Sq East	Merrion Sq South
Ormond Quay Upper	Merrion Sq North	Merrion Sq West
Ormond Quay Lower	Clare St	Clare St
Bachelors Walk	Lincoln Place	Lincoln Place
O'Connell St	Westland Row	Westland Row
Cathal Brugha St	Pearse St	Pearse St
Sean Mac Dermott St	Tara St	Tara St
Clearys Car Park	Beresford Place	Beresford Place
	Gardiner St	Gardiner St
	Sean Mac Dermott St	Sean Mac Dermott St
	Clearys Car Park	Clearys Car Park

SLIDE 13 - Journey Time between Donnybrook and the RIAC Car Park (Dawson Street)

2006 Base Model	2011 - Do No Metro North Construction	2011 - Do Construction with PT Gate
Journey Time		
13m 16s	18m 11s	19m 29s
Route		
Donnybrook Fire Station	Donnybrook Fire Station	Donnybrook Fire Station
Donnybrook Rd	Donnybrook Rd	Donnybrook Rd
Morehampton Rd	Morehampton Rd	Morehampton Rd
Leeson St	Leeson St	Leeson St
St Stephen's Green East	St Stephen's Green East	St Stephen's Green East
St Stephen's Green North	St Stephen's Green North	St Stephen's Green North
Dawson St	Dawson St	Dawson St
RIAC Car Park	RIAC Car Park	RIAC Car Park

SLIDE 14 A - STMP Requirements

- Access routes to all car parks will be kept open throughout the duration of the Metro North works;
- Access to all business premises will be maintained for the duration of the Metro North works;
- Pedestrian flows in the city centre will be maintained around the worksites;
- Two traffic lanes northbound and two lanes southbound on the Swords Road (R132) are retained through the works;

SLIDE 14 B STMP Requirements (cont)

- Two traffic lanes northbound and two lanes southbound on the Ballymun Road (R108) are retained through the works;
- A public transport lane south bound on Parnell Square East is maintained at all times;
- The current lane capacity on O'Connell Street is maintained through the works;

SLIDE 15 Next Steps

- Subject to the granting of a Railway order for the project the STMP will be reviewed and updated to incorporate any conditions attached to the Railway order.
- The process will then move onto STMP Stage 2 to BAFO and then Contract award.

SLIDE 16 - Conclusions

Metro North construction works as currently proposed can be accommodated in the City of Dublin without undue disruption, subject to the Requirements, Objectives and mitigation works proposed in the STMP being implemented

SLIDE 17 - Conclusions

The disruption caused by the works will be minimized and manageable and the economic life of the city will be maintained in terms of transportation and access.

SLIDE 18 - Conclusions

Without Metro North Traffic congestion by 2029 in Dublin will be severe with average speeds on the road network reduced by 17% and travel time up a very significant 30%.

SLIDE 19 - Conclusions

The construction and traffic management planning is robust and flexible enough to deal with unforeseen circumstances.

SLIDE 20 - Conclusions

In summary, the lack of a Metro System for Dublin will be a significant barrier to economic growth and will result in severe traffic congestion levels into the future

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