

Riverside Energy Park

Construction Traffic Management Plan

Electrical Connection – London Borough of Bexley

In accordance with Requirement 13, Schedule 2, of the Riverside Energy Park Order (2020) as amended

Appendix E1 - Junction Appraisals



TECHNICAL NOTE

Job Name: Riverside Energy Project - Electrical Connection
Job No: 332510505
Note No: 002
Date: 03/09/2021
Prepared By: Neil Bateman, Tim Hapgood, Adrian Neve
Subject: Junction appraisals within the London Borough of Bexley

1. Introduction

- 1.1. This Technical Note provides the outputs from appraisals of the interface of the proposed works for the Electrical Connection, within the borough of Bexley, with bus services and key junctions along the route. The Electrical Connection follows the alignment of the A2016 / A206 corridor within the borough. In accordance with the consented Outline Construction Traffic Management Plan (CTMP), the interfaces have been broken down into six zones:
- Zone 1: Norman Road / Picardy Manorway
 - Zone 2: Lower Road crossing
 - Zone 3: Erith roundabout / James Watt Way
 - Zone 4: Northend Road (inc. Colyers Lane / Bridge Road)
 - Zone 5: Perry Street to Howbury Lane
 - Zone 6: Thames Road (to Crayford Way)
- 1.2. For the three zone indicated within the Outline CTMP, junction appraisals have been undertaken and where appropriate the interface with the bus networks has also been considered. The output from the appraisals can be found below and a summary of the method and key points is provided in Section 6 of the '*Construction Traffic Management Plan - Electric Connection – London Borough of Bexley*' for the corridor within the borough of Bexley.
- 1.3. Indicative traffic management plans, phasing and working arrangements have been used to inform the appraisal process for the consenting of the detailed CTMP, which is Requirement 13 of the Development Consent Order (DCO). The final detailed method and programming of when and how the Electrical Connection will be constructed, including across side roads and road crossings, will be co-ordinated and agreed with LBB Network Management and TfL Public Transport team as part of the Street Manager / London Works permitting process.

TECHNICAL NOTE

2. Junction Appraisals

2.1 The appraisal tables below give an indication of:

- a. The location of the works which will have an effect on the junction;
- b. The section of the works proposed
- c. The anticipated working hours
- d. The indicative duration of those works
- e. The associated indicative traffic management (TM) plan
- f. The TM mechanism and controls
- g. Interface with bus services
- h. Pedestrian access
- i. Ancillary comments
- j. Diversion routes
- k. Bus diversion possibilities
- l. Mitigation and other options explored

2.2 Paragraph 6.2.12 of the Outline CTMP, approved as part of the DCO Consent, sets out that Junction Appraisals will be carried out for A206/A2016 junctions with:

- Bexley Road and James Watt Way;
- Perry Street and Howbury Lane
- Crayford Way

2.3 These appraisals are presented in Section 3.1.

2.4 Further to this, Section 3.2 provides appraisals of the Electrical Connection corridor across the wider zones, to give information on the interaction of the Electrical Connection with the road network, as currently proposed.

2.5 Within the appraisals the chainage referred to is the distance along the Electrical Connection, with the datum being the electrical sub-station adjacent to the new facility at REP.

TECHNICAL NOTE

Section 3.1 – Junction Appraisal within the DCO

Zone 3 Junctions - Bexley Road and James Watt Way

Fish Roundabout

Chainage: 673 to 679

Working Hours: weekend working 8am – 6pm

Indicative duration of works: 4-6 days (2-3 Weekends)

Indicative start date: April 2023

Indicative end date: May 2023

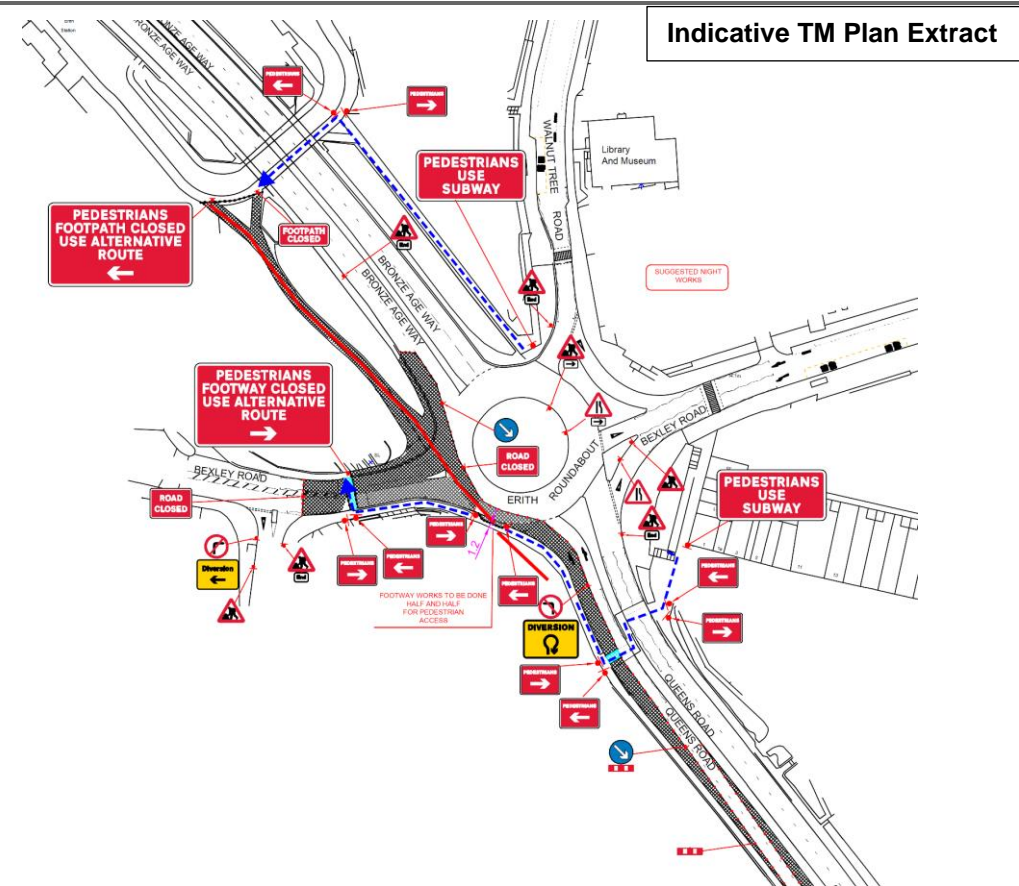
Route Alignment Sheet No: 4

Compass TM Plans: 28237-D10-SECTION2-Queens Rd

Working arrangements: Closure of Bexley Road – in both directions, diversion via Colyers Lane

Pedestrian Access: access maintained on footway with diversion in place when no access to station approach footpath. DDA compliant route via Walnut Tree Road.

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP.



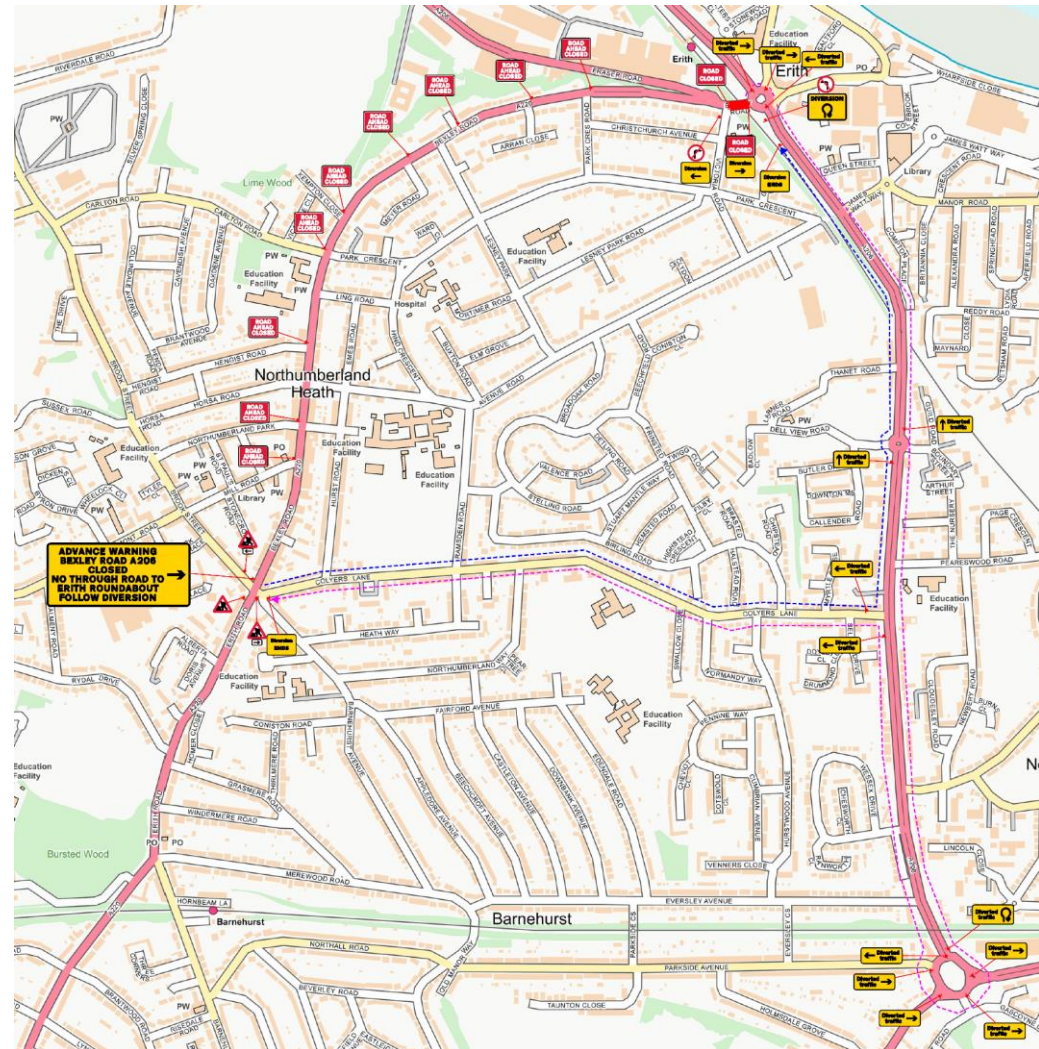
TECHNICAL NOTE

Diversions: When Bexley Road is closed diversion for westbound journeys will be directed via Queen's Road/ Northend Road/ Colyers Lane

The estimated increase in journey time for vehicles using this route from increased mileage is around five to seven minutes.

Eastbound journeys will be diverted via Colyers Lane/ Northend Road/ Queen's Road.

The estimated increase in journey time for northbound vehicles using this route from increased mileage is around one to three minutes.



TECHNICAL NOTE

Public transport:

Services 99 and 229:

Max of 4 buses per hour in each direction during weekend working hours.

The closure of Bexley Road will be supported by a diversion via Colyers Lane.

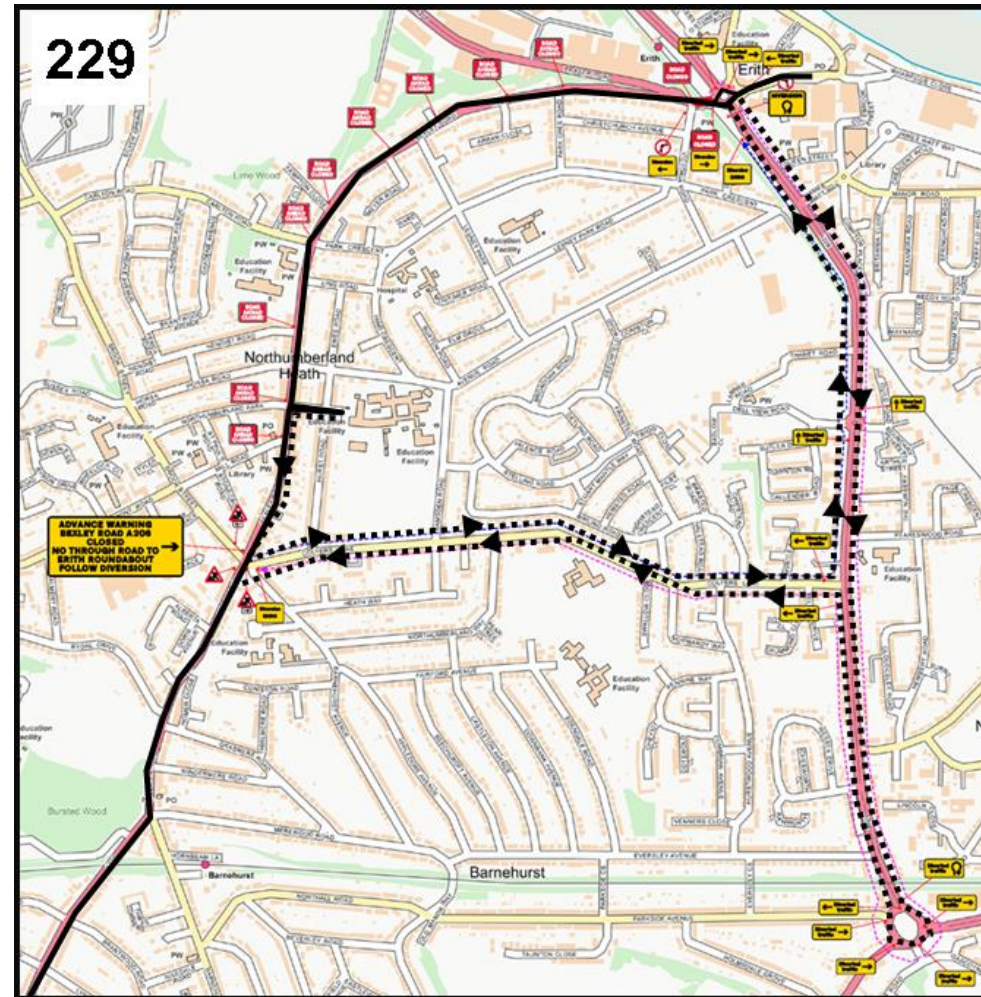
The estimated increase in journey time for westbound buses from increased mileage is around five to seven minutes.

The estimated increase in journey time from increased mileage for eastbound buses using this route is around one to three minutes.

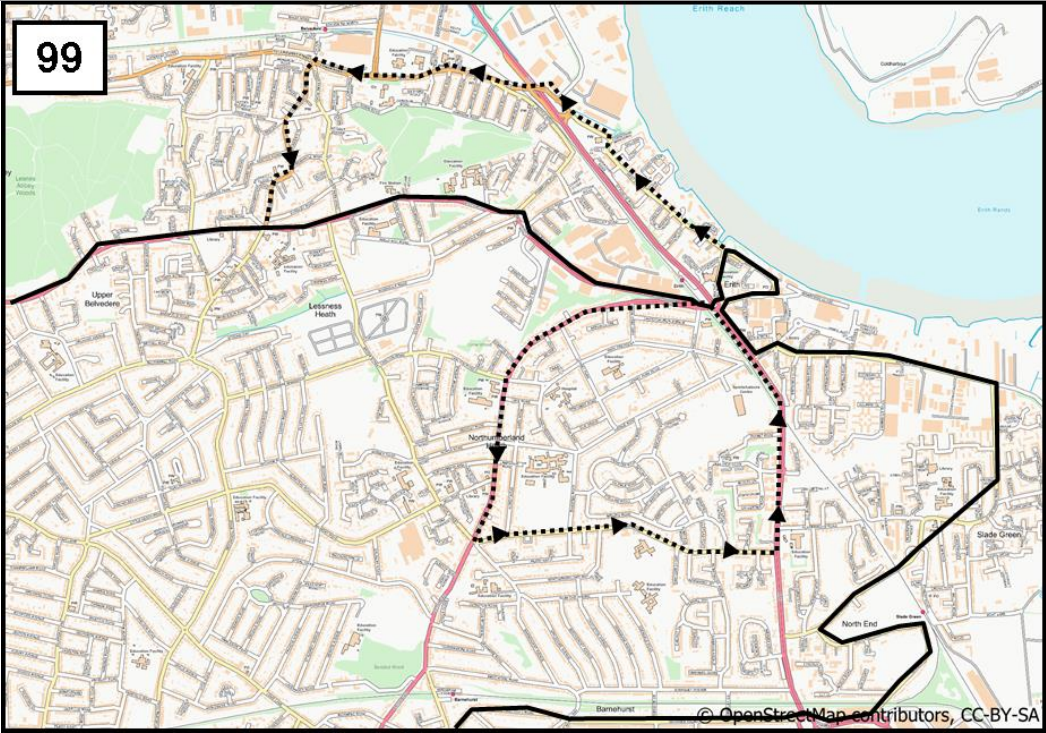
Five northbound and four southbound bus stops would not be served by service 229 but would be additionally served by service 99 on diversion.

Service B12 could be curtailed at Victoria Road.

Schools' services 669 and 602 would not be affected by the weekend working.



TECHNICAL NOTE

	
<p>Mitigation and Conclusion: The proposed road closure over a series of weekends would help to minimise works duration and maintain safe working. Traffic management measures would be removed during the week.</p> <p>Weekend working ensures that school services 669 and 602 are not affected. Services 99 and 229 require diversion, however, service 99 would cover the section of the route that the 229 would be diverted from i.e. between Fraser Road and Colyers Lane.</p>	

TECHNICAL NOTE

Option Explored: Potential to use directional closure would significantly increase works duration and reduce safety of public and workforce. Horizontal Directional Drilling considered but not feasible due to other services. A route realignment through the roundabout junction would increase impacts on the junction and extend the timeframe for the works.

TECHNICAL NOTE

Queen's Road junction with James Watt Way

Chainage: 729 to 743

Working Hours: weekend working 8am – 6pm

Indicative duration of works: 1 weekend (2 days)

Indicative start date: August 2022

Indicative end date: August 2022

Route Alignment Sheet No: 5

Compass TM Plans: 28237-D12-SECTION2-Queens Rd

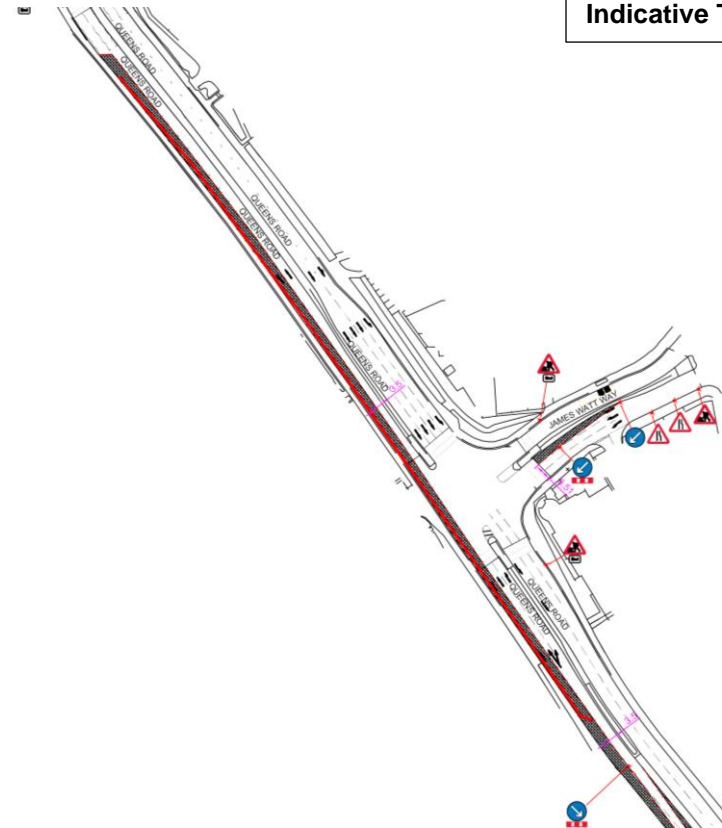
Working arrangements: Lane closure, single lane working

Pedestrian Access: access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

Diversions: No diversions are required for works in this location

Indicative TM Plan Extract



TECHNICAL NOTE

Public transport: No public transport diversions are required for works in this location. Maximum of 4 buses per hour on service 428 during Saturday working hours and 2 buses per hour on Sundays – these are retained on the current route. Only northbound services would be affected by the lane closure. Bus stops would be retained.

Mitigation and Conclusion: Cable route alignment minimises impact on public transport services as only service 428 northbound is directly affected by works with the lane closure at the traffic signals, and is the only service running south of this junction. Service 99 turns left into James Watt Way but does not exit that road.

Traffic loading on the junction is lighter at weekends, reducing the impact of the lane closure through the traffic signals.

TECHNICAL NOTE

Zone 5 Junctions - Perry Street and Howbury Lane

Northend Road roundabout junction with Thames Road

Chainage: 1073 to 1090

Working Hours: Weekend working 8am – 6pm

Indicative duration of works: 4 weekends (8 days)

Indicative start date: November 2022

Indicative end date: December 2022

Route Alignment Sheet No: 7

Compass TM Plans: 28237-D23

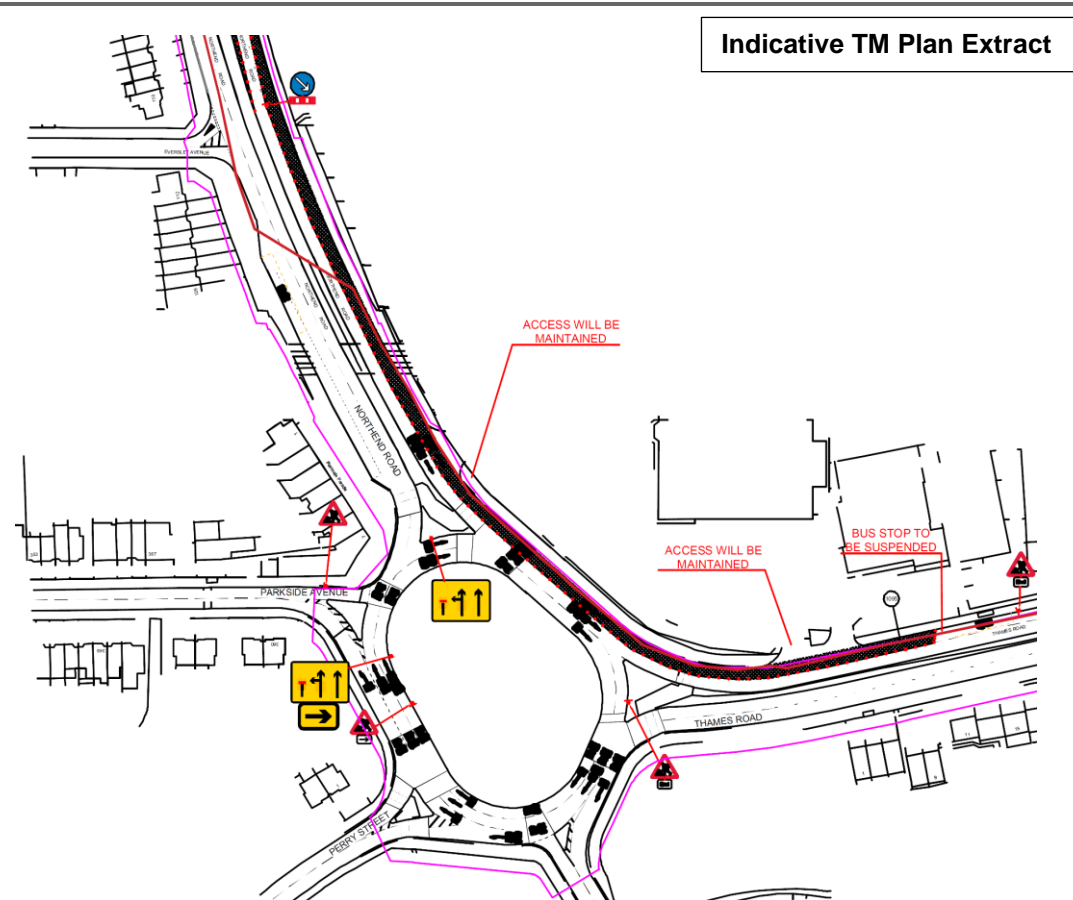
Working arrangements: Lane closure, single lane working

Pedestrian Access: access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

Diversions: No diversions

Public transport: Maximum of 5 buses per hour during Saturday working hours on service 99. Eastbound services only affected.



TECHNICAL NOTE

<p>Mitigation and Conclusion: Weekend working. Traffic management measures removed during the week. No diversions and westbound buses unaffected</p>	
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TECHNICAL NOTE

Thames Road and Howbury Lane Roundabout

Chainage: 1140 to 1161

Working Hours: Weekend working 8am – 6pm

Indicative duration of works: 1-2 weekends (2-4 days)

Indicative start date: January 2023

Indicative end date: January 2023

Route Alignment Sheet No: 7

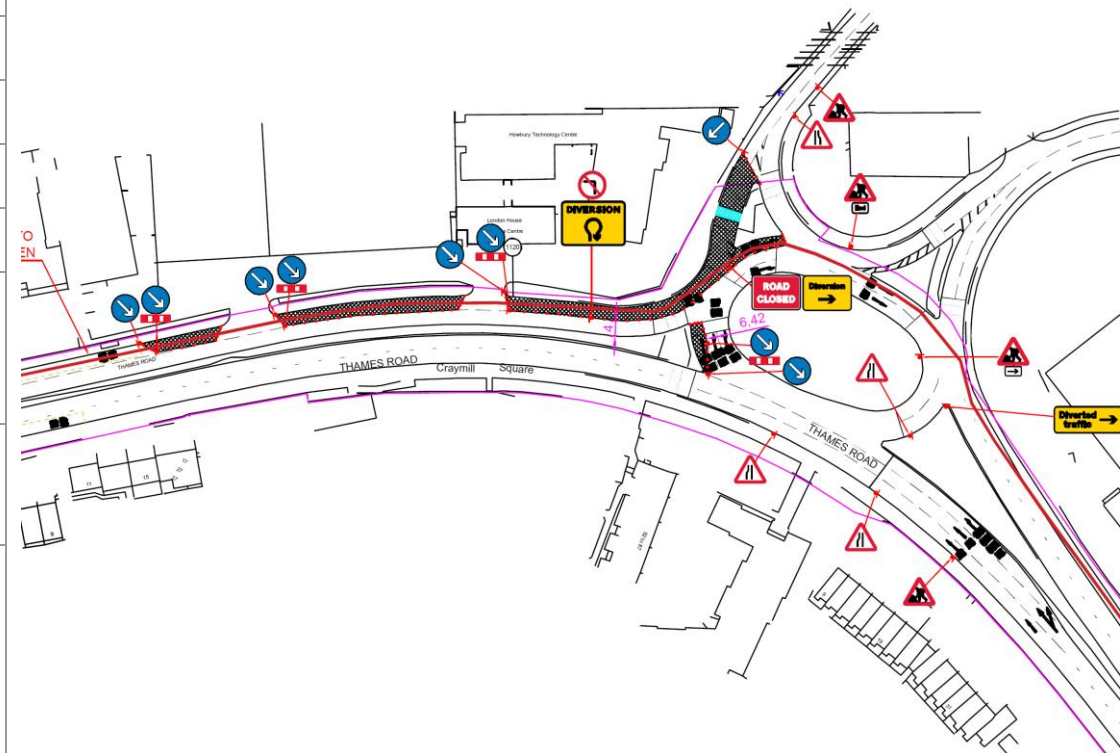
Compass TM Plans: 28237-D24 and 28237-D24-DIV

Working arrangements: Lane closure, single lane working, closure of access into Howbury Lane

Pedestrian Access: Access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

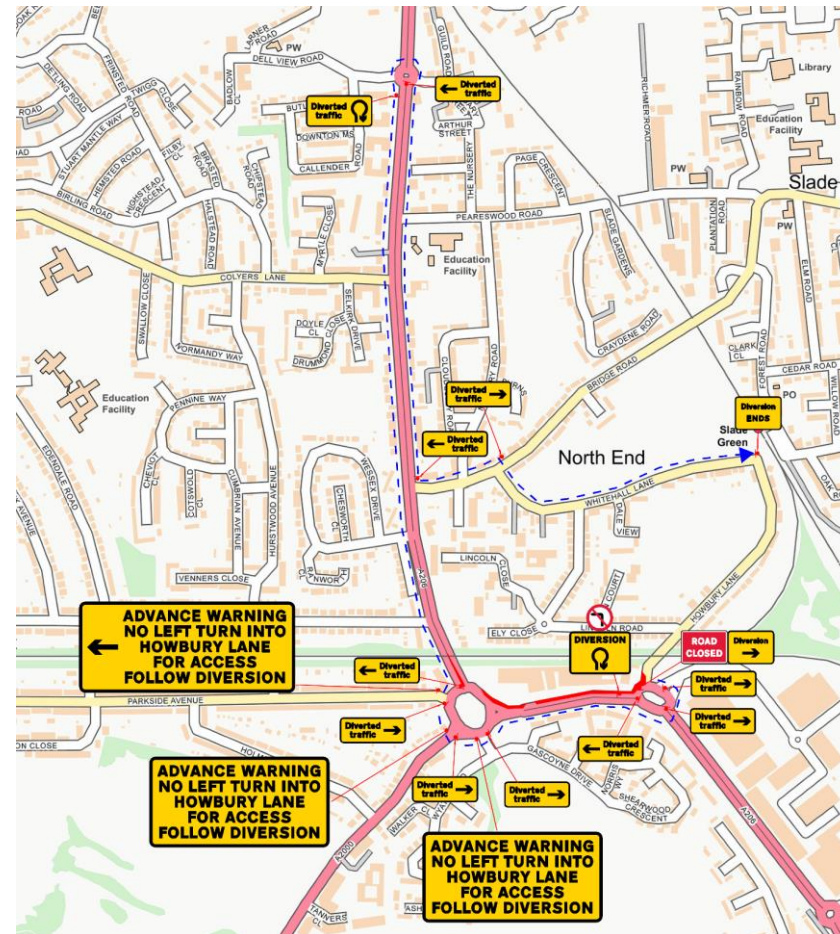
Indicative TM Plan Extract



TECHNICAL NOTE

Diversions: Due to closure of access into Howbury Lane, traffic is diverted north along Northend Road, turning at Boundary Street roundabout and coming south to turn left into Bridge Road.

The estimated increase in journey time for vehicles using this route from increased mileage is around three minutes.

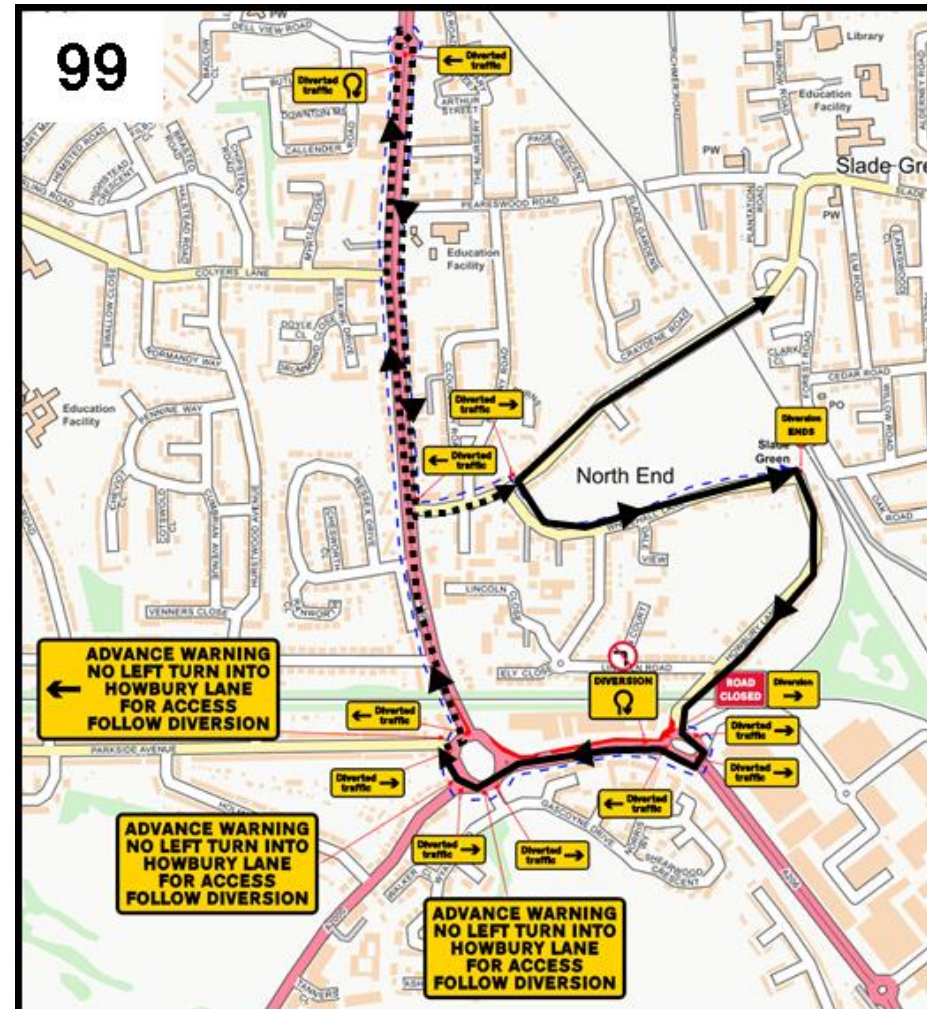


TECHNICAL NOTE

Public transport:

Service 99:

Maximum of 5 buses per hour during weekend working hours, which is estimated to last one weekend. Because of the closure there is a need for diversion along Northend Road/ Bridge Road when Howbury Lane access is closed. This is expected to delay buses by approximately two minutes and will mean that stops northbound on Howbury Lane and Whitehall Lane are not served during the diversion period.

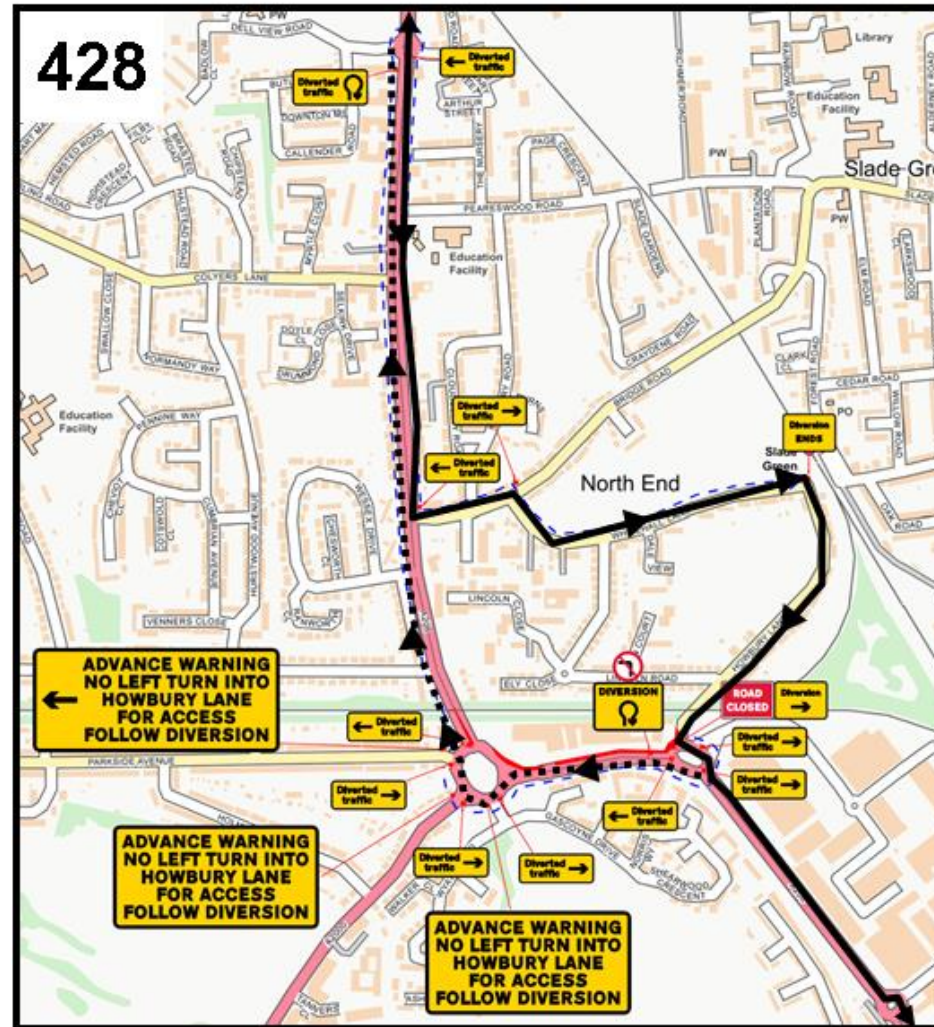


TECHNICAL NOTE

Public transport:

Service 428:

Maximum of 4 buses per hour during weekend working hours, which is estimated to last one weekend. Because of the closure there is a need for diversion along Northend Road/ Bridge Road when access to Howbury Lane is closed. This is expected to delay buses by approximately two minutes and will mean that stops northbound on Howbury Lane and Whitehall Lane are not served during the diversion period.



TECHNICAL NOTE

Mitigation and Conclusion: The proposed road closure is restricted to weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week, thereby avoiding delay for traffic and minimising disruption to weekday bus services through the junction. The relatively lighter traffic flow on A206 would minimise delays to buses on diversion.

TECHNICAL NOTE

Thames Road and Howbury Lane Roundabout

Chainage: 1140 to 1161

Working Hours: Weekend working 8am – 6pm

Indicative duration of works: 2 weekends (4 days)

Indicative start date: January 2023

Indicative end date: February 2023

Route Alignment Sheet No: 7

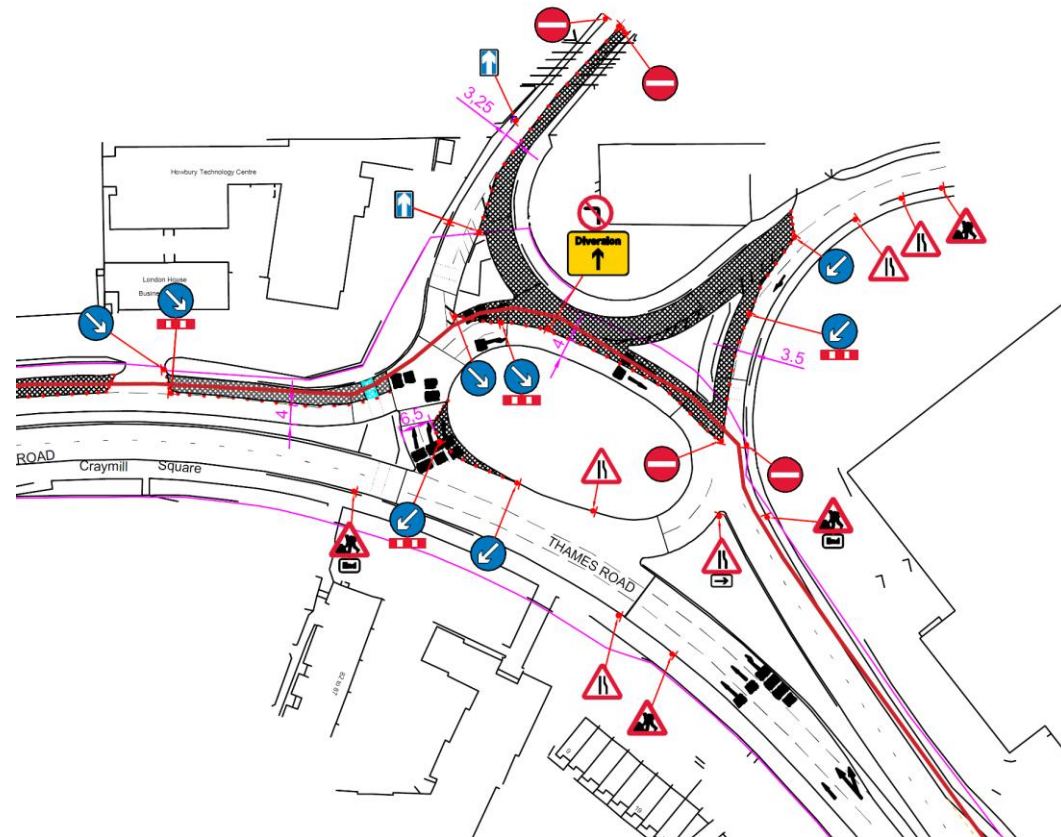
Compass TM Plans: 28237-D25 and 28237-D25-DIV

Working arrangements: Lane closure, single lane working, closure of access into Thomas Road and egress from Howbury Lane

Pedestrian Access: Access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

Indicative TM Plan Extract



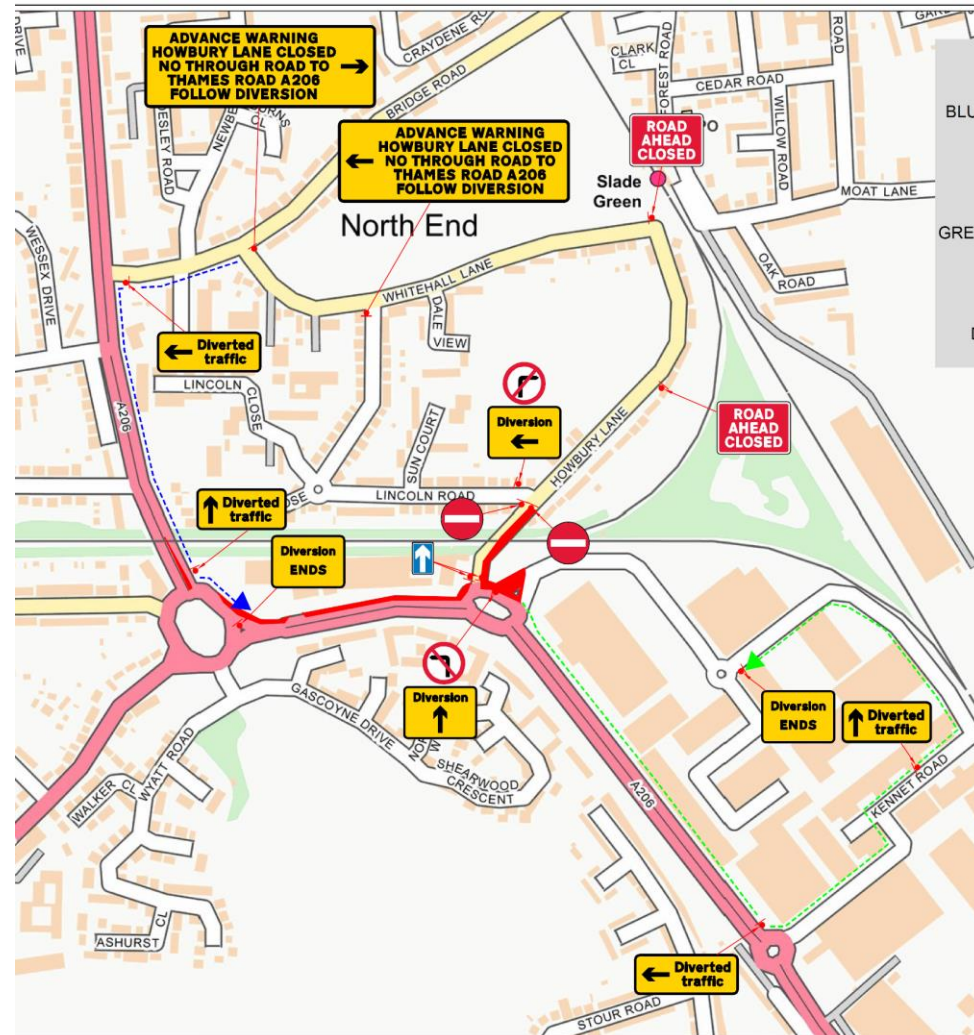
TECHNICAL NOTE

Diversions: Lane closure, single lane working, closure of southbound movements on Howbury Lane south of Lincoln Road. Traffic on Howbury Lane is diverted along Bridge Road onto Northend Road, turning left at Thames Road roundabout to rejoin their route.

Journey times for vehicles using the diversion route are not estimated to increase.

With access to Thomas Road closed, traffic seeking to enter Thomas Road is diverted to turn left at Kennet Road roundabout to access Kennet Road and Thomas Road.

There is an estimated increase in journey time from increased mileage of up to two minutes for vehicles using these routes.



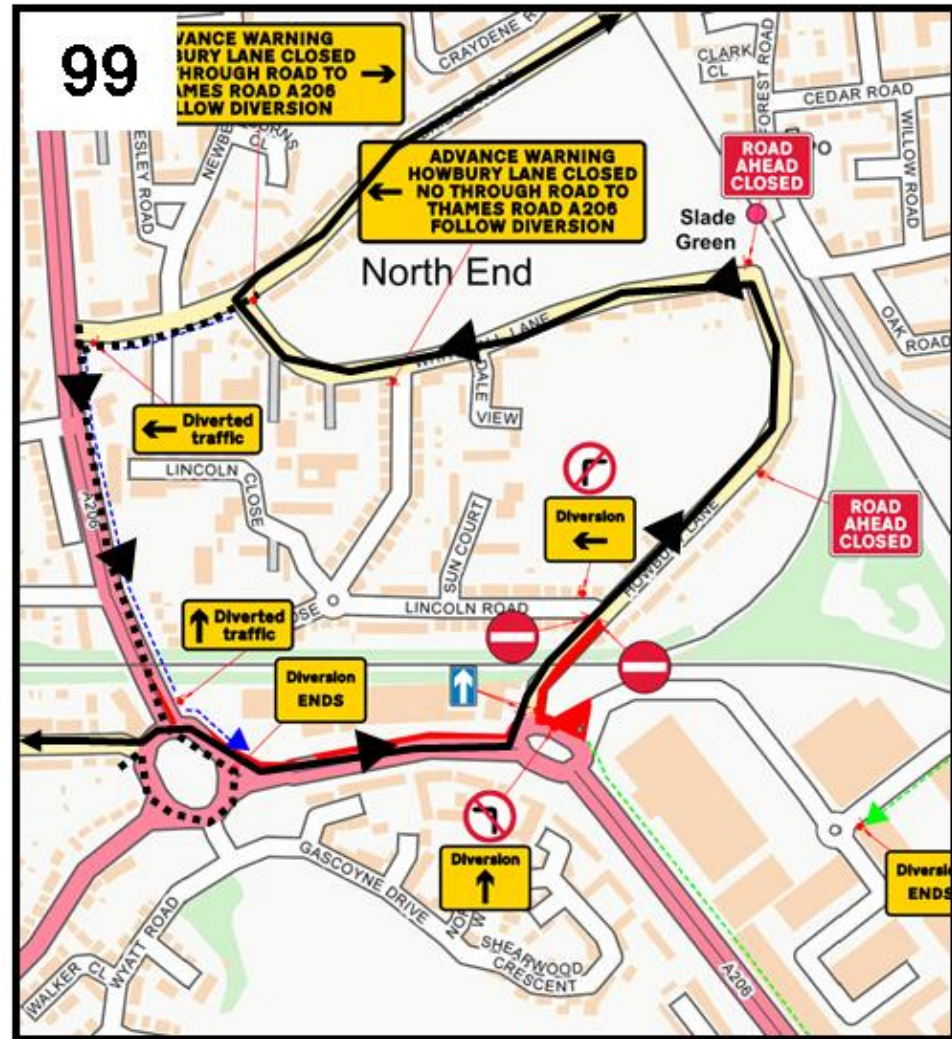
TECHNICAL NOTE

Public transport:

Service 99:

Maximum of 5 buses per hour during Saturday working hours, which is estimated to last two weekends. Because of the closure there is a need for diversion along Bridge Road/ Northend Road when Howbury Lane southbound from Lincoln Road is closed. This is not expected to delay buses.

Stops southbound on Howbury Lane and Whitehall Lane are not served during the diversion period.



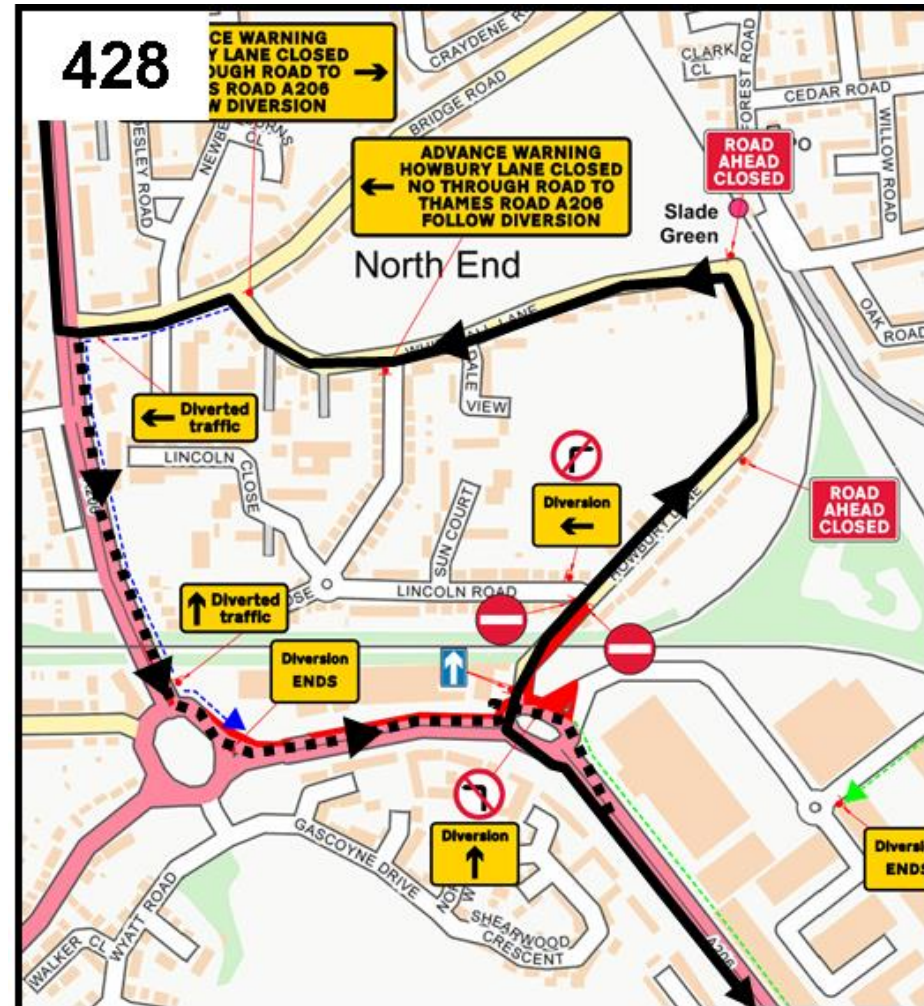
TECHNICAL NOTE

Public transport:

Service 428:

Maximum of 4 buses per hour during Saturday working hours, which is estimated to last two weekends. Because of the closure there is a need for diversion along Bridge Road / Northend Road when Howbury Lane southbound from Lincoln Road is closed. This is not expected to delay buses.

Stops southbound on Howbury Lane and Whitehall Lane are not served during the diversion period.



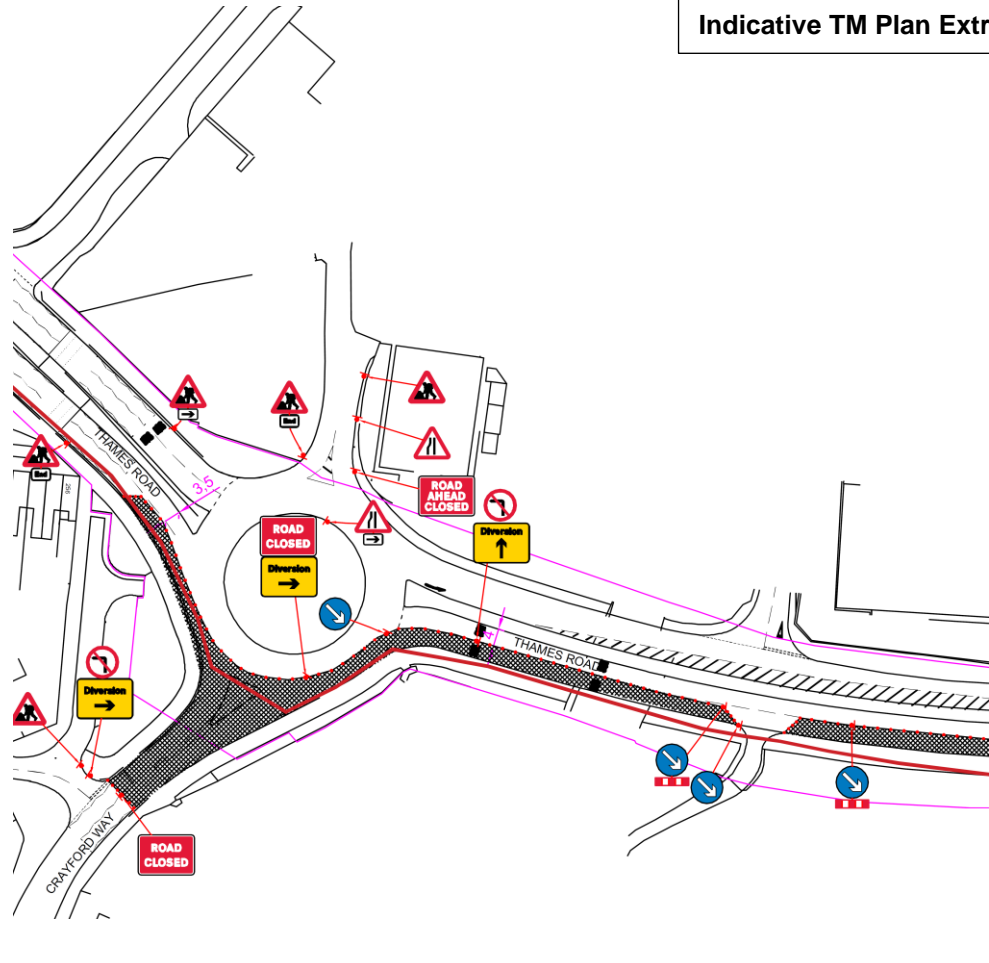
TECHNICAL NOTE

<p>Mitigation and Conclusion: The proposed road closure is restricted to weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week, thereby avoiding delay for traffic and minimising disruption to bus services through the junction.</p>	
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TECHNICAL NOTE

Zone 6 Junction - Crayford Way

Thames Road and Crayford Way Roundabout

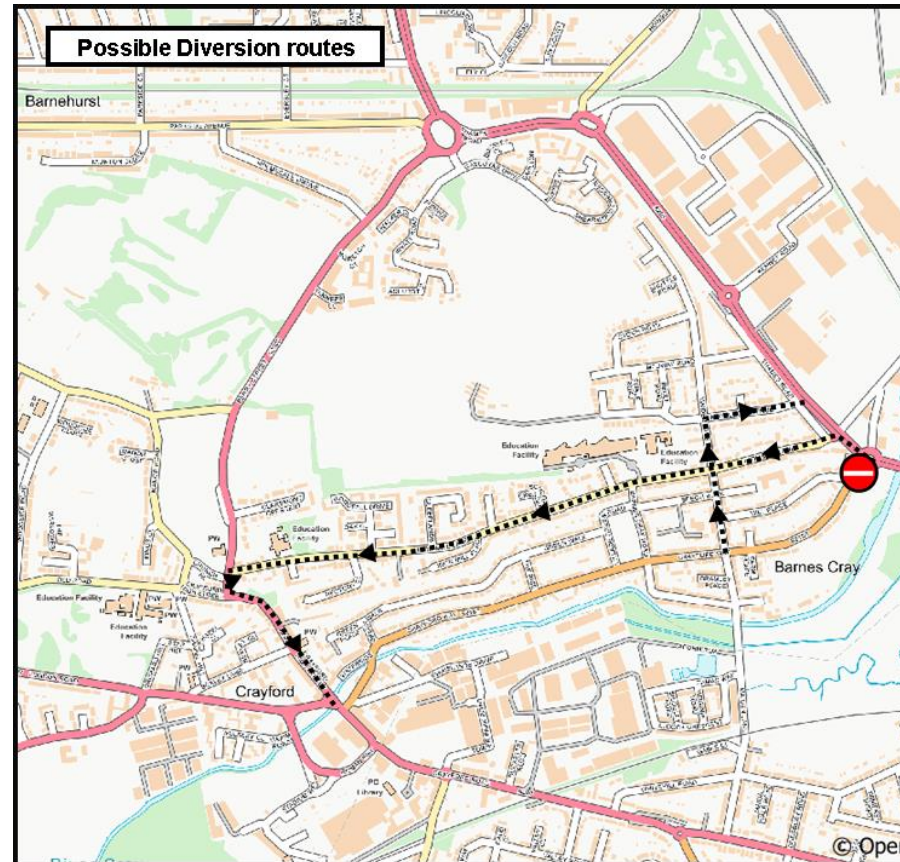
<p>Chainage: 1350 to 1368</p>	<div style="text-align: right; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Indicative TM Plan Extract</div> 
<p>Working Hours: Weekend working 8am – 6pm</p>	
<p>Indicative duration of works: 4 weekends (8 days)</p>	
<p>Indicative start date: March 2023</p>	
<p>Indicative end date: March 2023</p>	
<p>Route Alignment Sheet No: 8-9</p>	
<p>Compass TM Plans: 28237-D32-Thames Rd</p>	
<p>Working arrangements: Closure of Crayford Way and associated lane closure, single lane working.</p>	
<p>Pedestrian Access: Pedestrian footway closed on the southern side of Thames Road, temporary signal controlled pedestrian crossing provided on Thames Road.</p>	
<p>Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP</p>	

TECHNICAL NOTE

Diversions: When Crayford Way access to Thames Road is closed, diversion routes are available for eastbound traffic via Maiden Lane and Medway Road. Traffic continuing east will u-turn at Kennet Road.

No additional journey time is required for northbound traffic. Traffic travelling east is predicted to have a one minute increase in travel time.

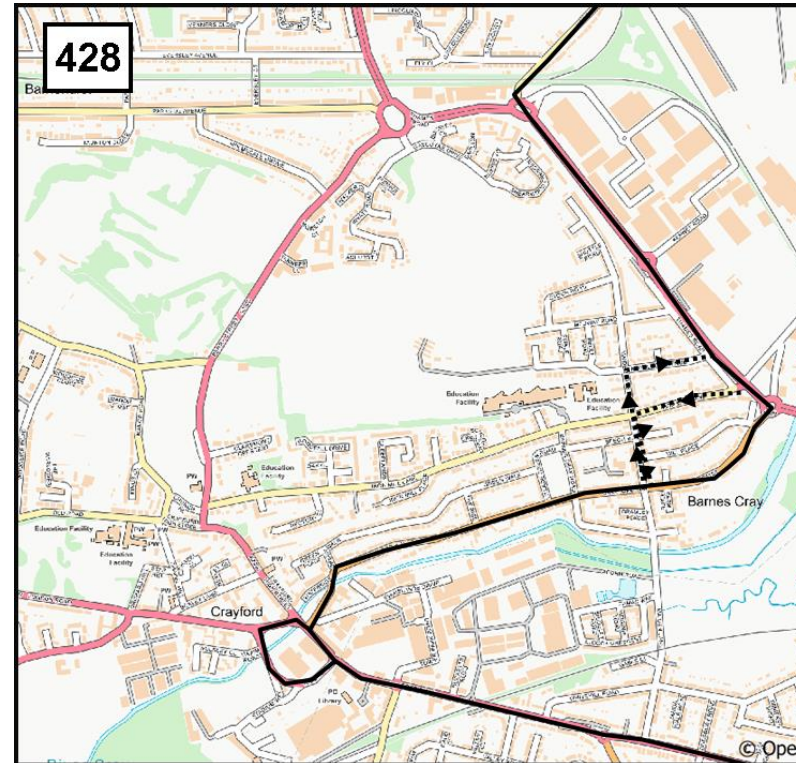
For westbound traffic, the primary diversion route is via Iron Mill Lane. Only a marginal additional journey time is predicted.



TECHNICAL NOTE

Public transport: Public Transport diversions for service 428 are required. There is a maximum of 4 buses in each direction per hour during weekend working hours.

Only a marginal additional journey time is predicted.



Mitigation and Conclusion: The proposed closure over a series of weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week.

Option considered: Weekend directional road closure would present challenging working area and could increase the time to complete the work.

TECHNICAL NOTE

Section 3.2 –Appraisal of Wider Route

Zone 1: Norman Road / Picardy Manorway

Norman Road junction with Picardy Manorway

Chainage: 146 to 153

Working Hours: Norman Road - weekdays 8am – 6pm
 Crossing Norman Road weekdays out of hours working
 8pm – 6am

Indicative duration of works: 1-3 days

Indicative start date: June 2022

Indicative end date: June 2022

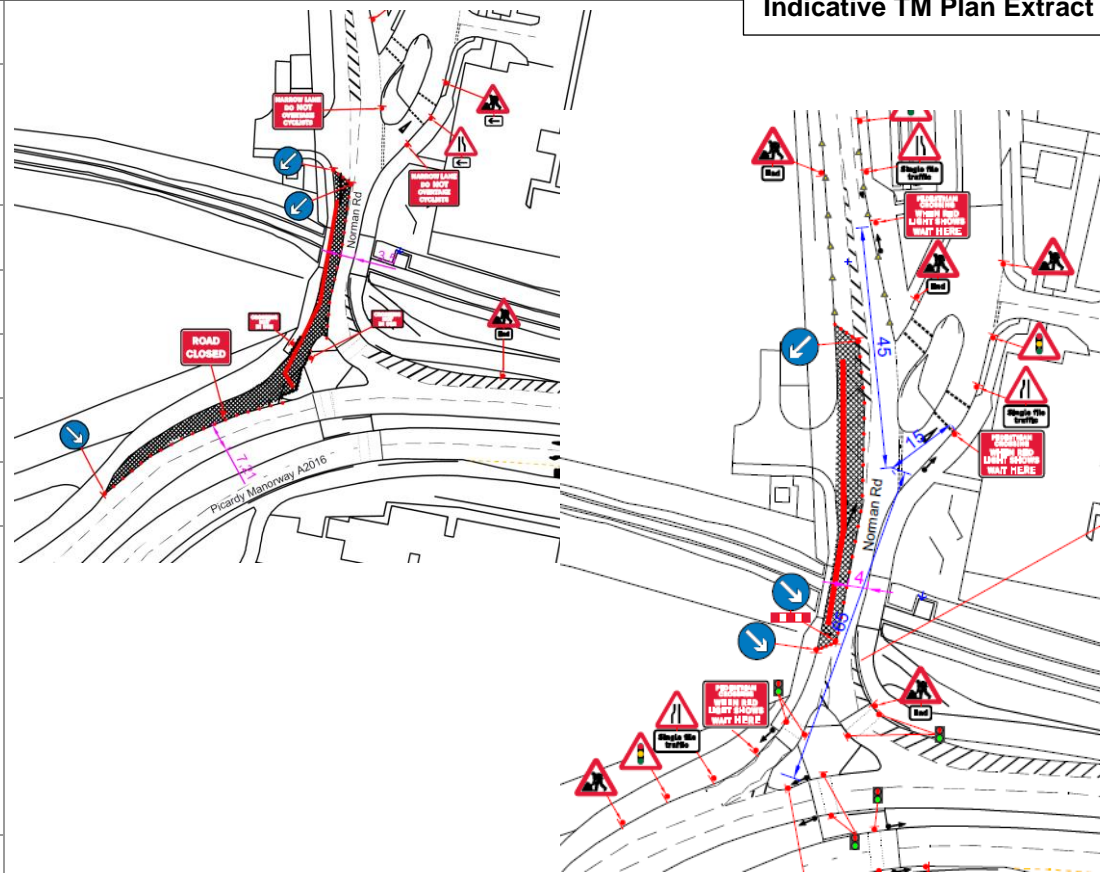
Route Alignment Sheet No: 1

Compass TM Plans: 28237-D3-Norman Rd

Working arrangements: Lane closures when clear of the junction splitter island, temporary traffic signals at junction with Norman Road where a minimum width of 3.5m can be maintained passing the works area and interface with the permanent traffic signals such that that operation cannot be maintained. Where a minimum 3.5m lane width cannot be maintained the ducting will be installed under short period directional road closures (estimated to be 4 no. periods).

Pedestrian Access: Access maintained on footway

Indicative TM Plan Extract



TECHNICAL NOTE

<p>Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP. Contractor to co-ordinate with Asda distribution centre management, Iron Mountain and Munster Joinery.</p>	
<p>Diversions: No diversions are available</p>	
<p>Public transport: No bus services directly affected</p>	
<p>Mitigation and Conclusion: Works would be carried out in consultation with Asda distribution depot to identify best working arrangements and road closure timing. Works could potentially involve overnight working and temporary short period road closure of Norman Road access.</p>	

TECHNICAL NOTE

Crossing Picardy Manorway

Chainage: 154 to 160

Working Hours: Weekday with extended hours working
– 7am -8pm

Indicative duration of works: 3 days

Indicative start date: June 2022

Indicative end date: June 2022

Route Alignment Sheet No: 1

Compass TM Plans: 28237-D4-Picardy Manorway to
28237-D5-Picardy Manorway

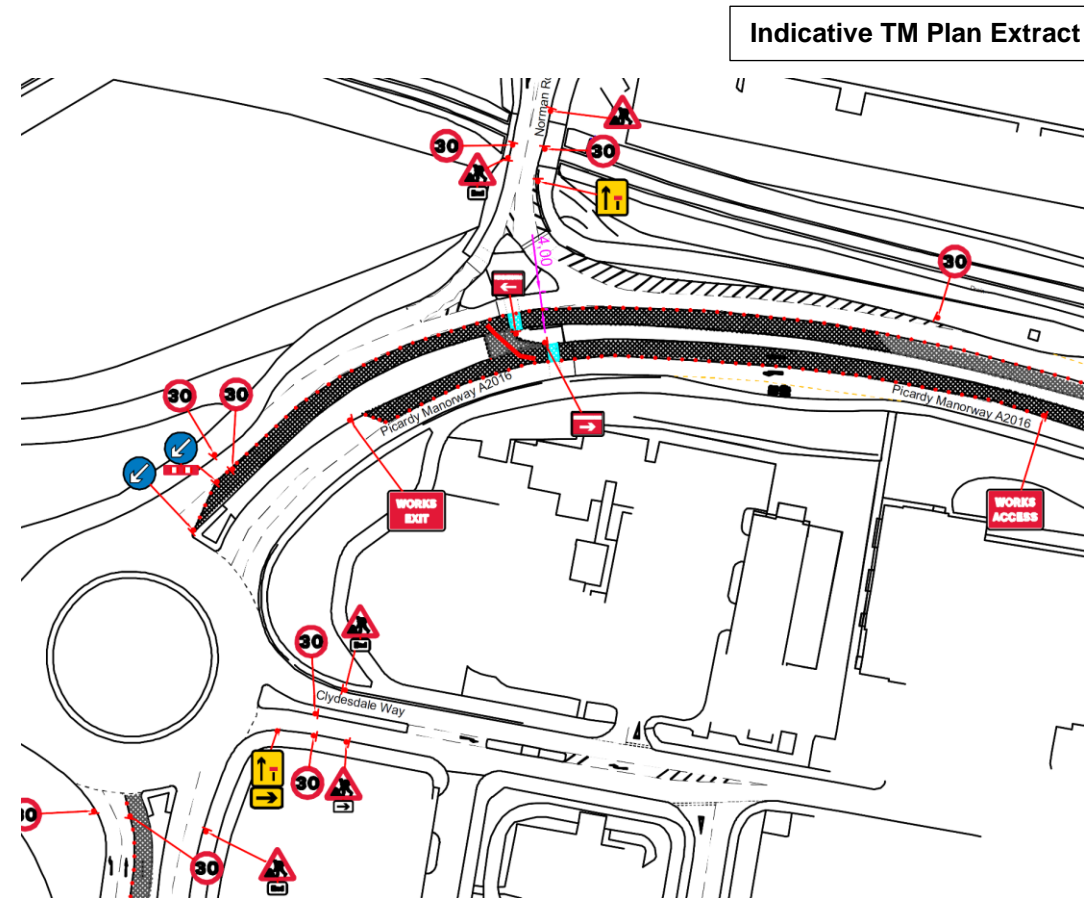
Working arrangements: Lane closures

Pedestrian Access: Access maintained on footway

Community Information: Additional community
information regarding final implementation will be
provided in accordance with the CoCP

Diversions: No diversions are required

Public transport: Weekday services 180, 401 and 601
will be marginally affected on Picardy Manorway with a
lane closure. Bus stops will be retained in place.



TECHNICAL NOTE

<p>Mitigation and Conclusion: Closure of Picardy Manorway is not proposed. Picardy Manorway would be crossed in stages.</p>	
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TECHNICAL NOTE

Picardy Manorway and Bronze Age Way Roundabout

Chainage: 161 to 207

Working Hours: Weekday
working 8am – 6pm

Indicative duration of works: 5 days

Indicative start date: either
June 2022 or December 2022

Indicative end date: either
June 2022 or December 2022

Route Alignment Sheet No:
2

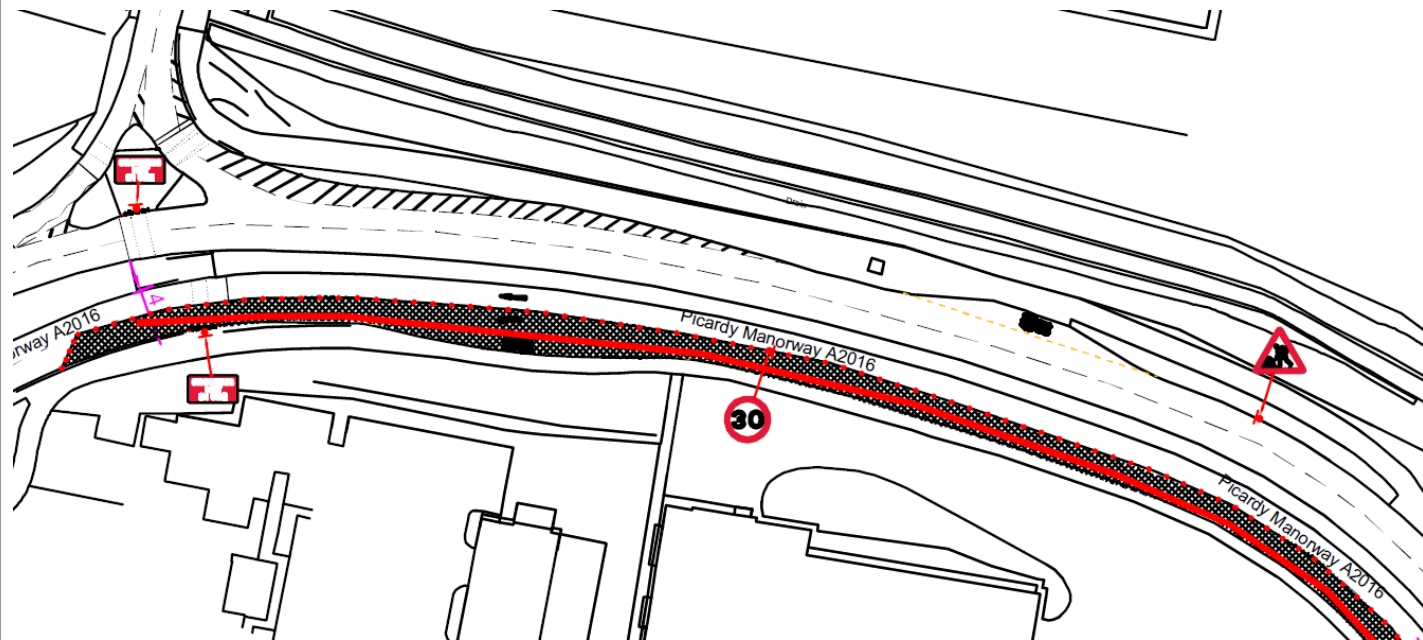
Compass TM Plans: 28237-
D6-Picardy Manorway

Working arrangements:
Lane closures

Pedestrian Access: No
footway affected

Community Information:
Additional community
information regarding final
implementation will be
provided in accordance with
the CoCP

Indicative TM Plan Extract



TECHNICAL NOTE

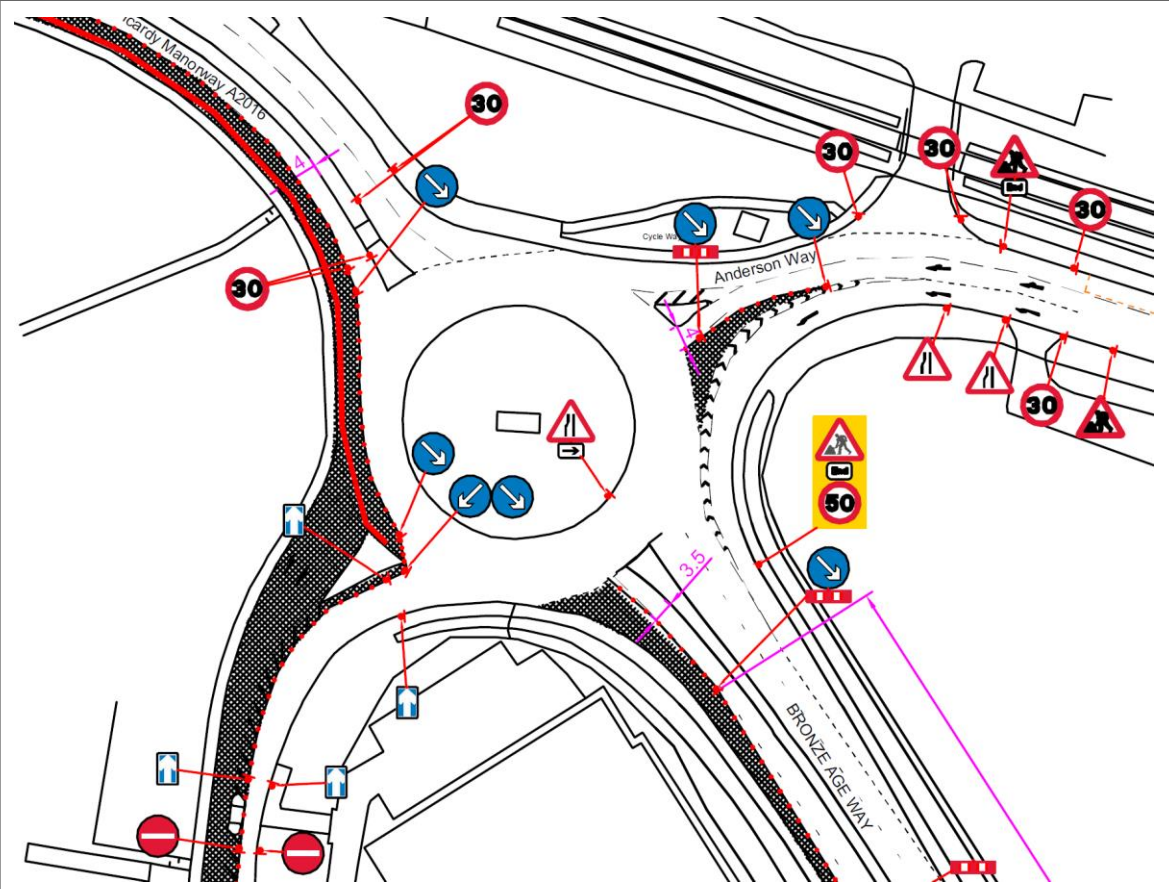
<p>Diversions: No diversions are required</p>	
<p>Public transport: Maximum of 23 buses per hour during working hours, 180, 401. No diversions required. Bus stops retained in place.</p>	
<p>Mitigation and Conclusion: The works will be phased to allow a temporary bus stop to be included to minimise the effects on westbound bus services. Eastbound services would not be affected.</p>	

TECHNICAL NOTE

Picardy Manorway and Bronze Age Way Roundabout

Indicative TM Plan Extract

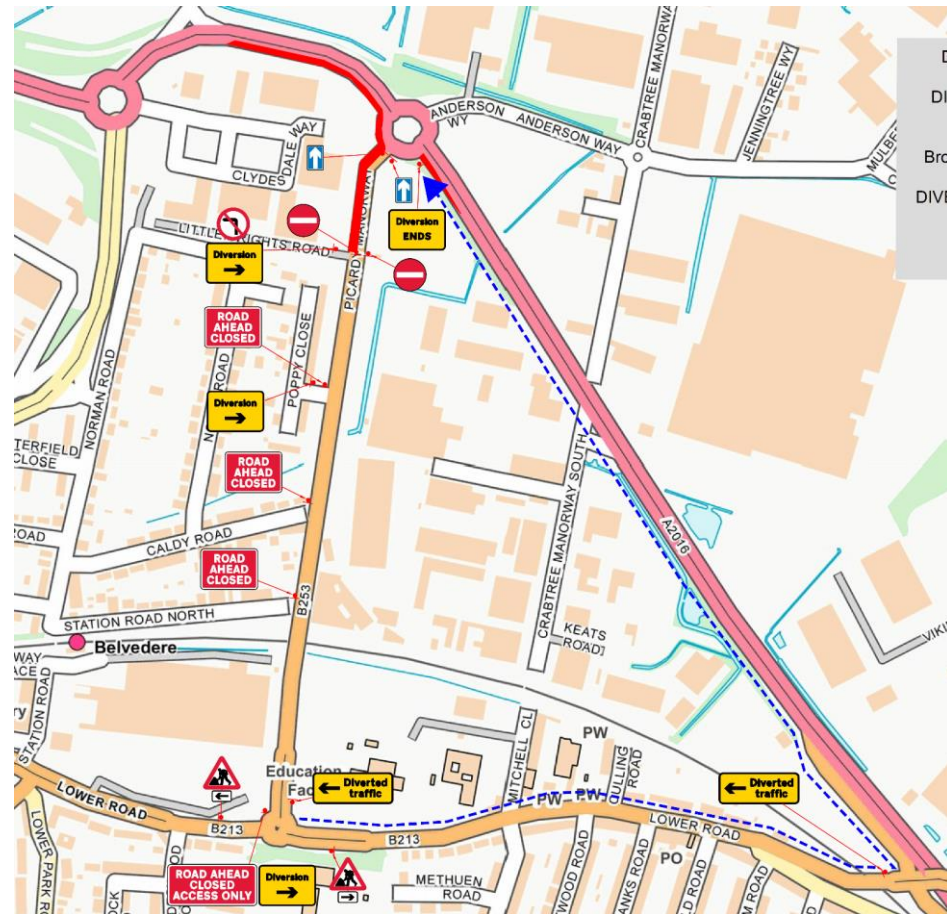
Chainage: 201 to 223
Working Hours: Weekend working 8am – 6pm
Indicative duration of works: 2-4 days (1-2 Weekends)
Indicative start date: either June 2022 or December 2022
Indicative end date: either June 2022 or December 2022
Route Alignment Sheet No: 2
Compass TM Plans: 28237-D6-Picardy Manorway
Working arrangements: Directional closure to north of splitter island
Pedestrian Access: No footway affected
Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP



TECHNICAL NOTE

Diversions: When access from Picardy Manorway onto the A2016 is closed, advance notice of the road closure will be signed with diversion via Lower Road and Bronze Age Way.

The estimated increase in journey time for vehicles using this route from increased mileage is around two minutes.



TECHNICAL NOTE

Public transport: Maximum of 4 buses per hour on Saturdays and 2 buses per hour on Sundays.

Service 401 diverted onto Bronze Age Way during the weekend closure of Picardy Manorway northbound.

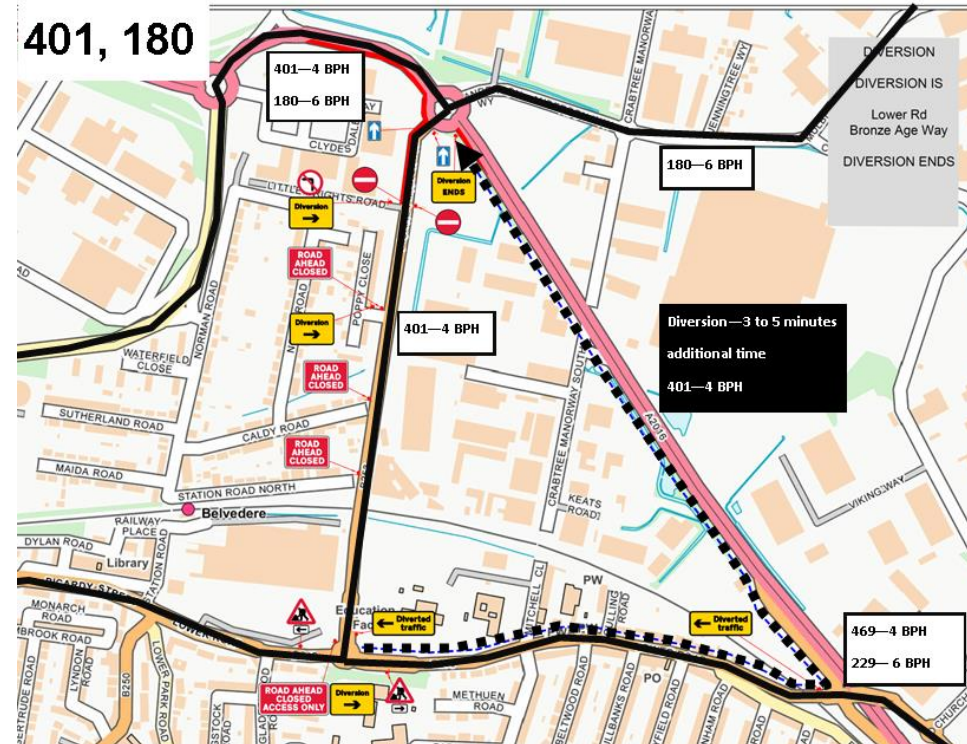
The estimated increase in journey time for the 401 northbound service using this diversion is approximately three to five minutes from increased mileage.

Stop E at the south of Picardy Manorway would not be served during the directional closure.

Southbound buses would be maintained on the existing route and unaffected during the works.

Service 180 would not be affected by the directional closure and will only be limited by the lane closure on A2016 westbound.

School service 601 unaffected due to weekend working.



Mitigation and Conclusion: Directional closure over a series of weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week.

Option explored: Potential to use alternate working arrangements i.e. keeping lane in both directions open. This would increase works duration and increase risk to traffic and workforce

TECHNICAL NOTE

Picardy Manorway and Bronze Age Way Roundabout

Chainage: 201 to 223

Working Hours: Weekend working 8am – 6pm

Indicative duration of works: 2-4 days (1-2 Weekends)

Indicative start date: either June 2022 or December 2022

Indicative end date: either June 2022 or December 2022

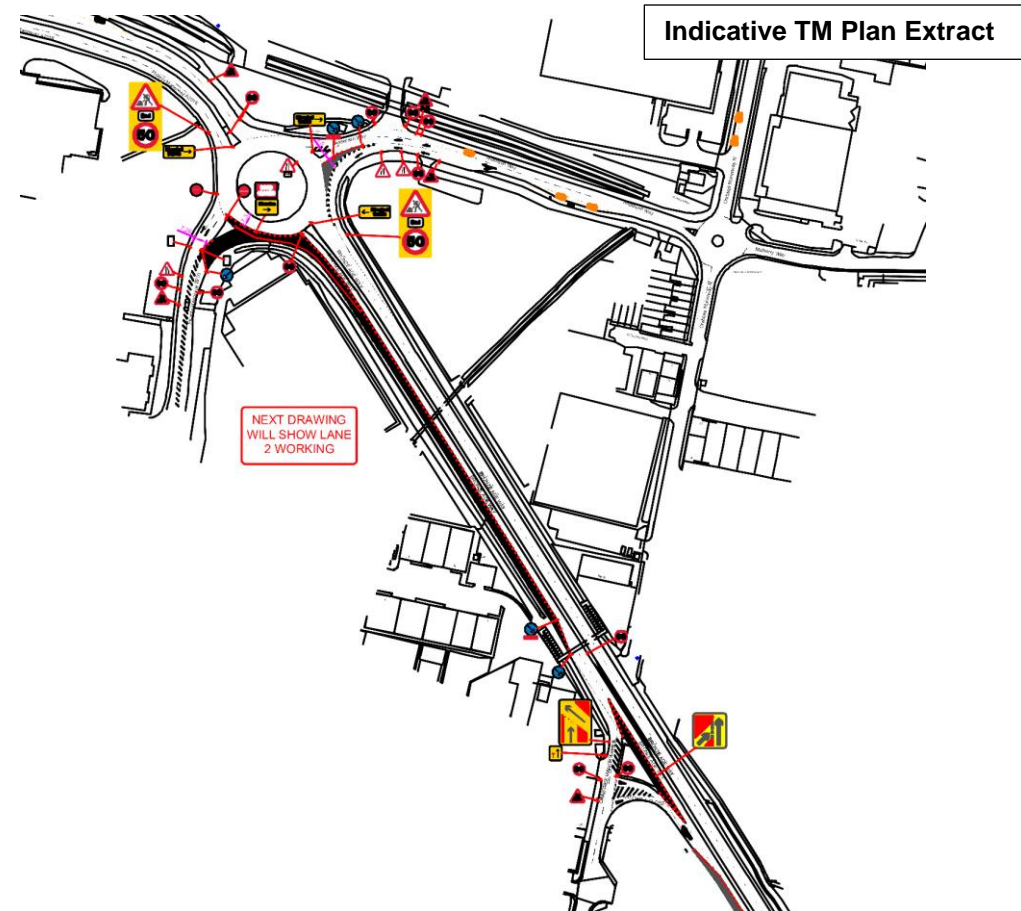
Route Alignment Sheet No: 2

Compass TM Plans 28237-D7-SECTION3-Bronze Age Way

Working arrangements: Directional closure south side of splitter island

Pedestrian Access: No footway affected

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP



TECHNICAL NOTE

Diversions: When entry onto Picardy Manorway from the A2016 is closed, advance notice of the road closure will be provided and diversion via Bronze Age Way and Lower Road will be signed.

The estimated increase in journey time for vehicles using this route from increased mileage is around three minutes.



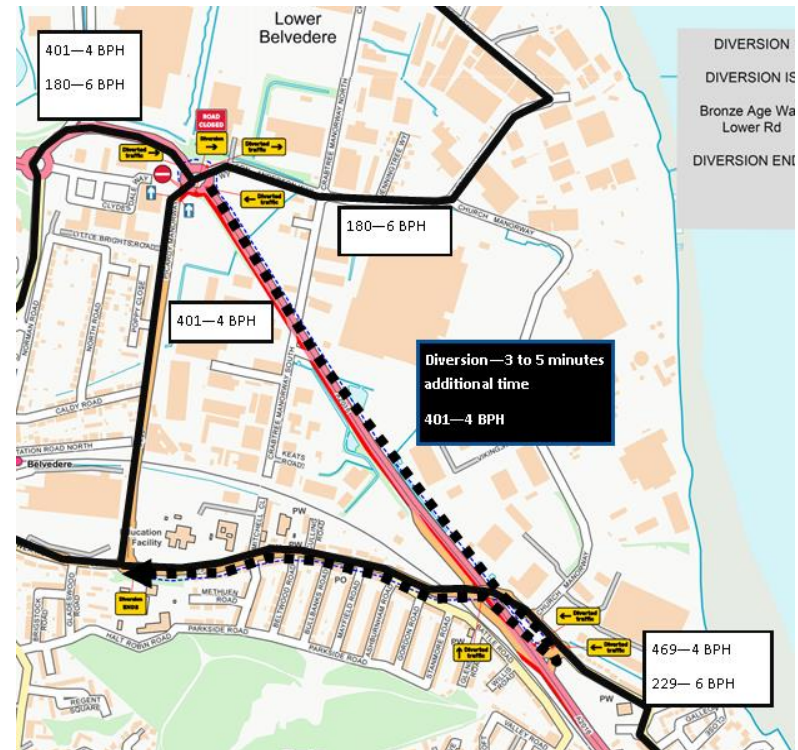
TECHNICAL NOTE

Public transport: Maximum of 4 buses per hour during Saturday working hours and 2 buses per hour on Sundays. Services 401 diverted onto Bronze Age Way during closure of Picardy Manorway northbound. Bus stop F on Picardy Manorway will not be served during that directional closure.

The estimated increase in journey time for buses using this diversion is approximately three to five minutes from increased mileage.

Service 180 would not be affected by the directional closure and will only be affected by the lane closure on A22016. Bus stops will be retained.

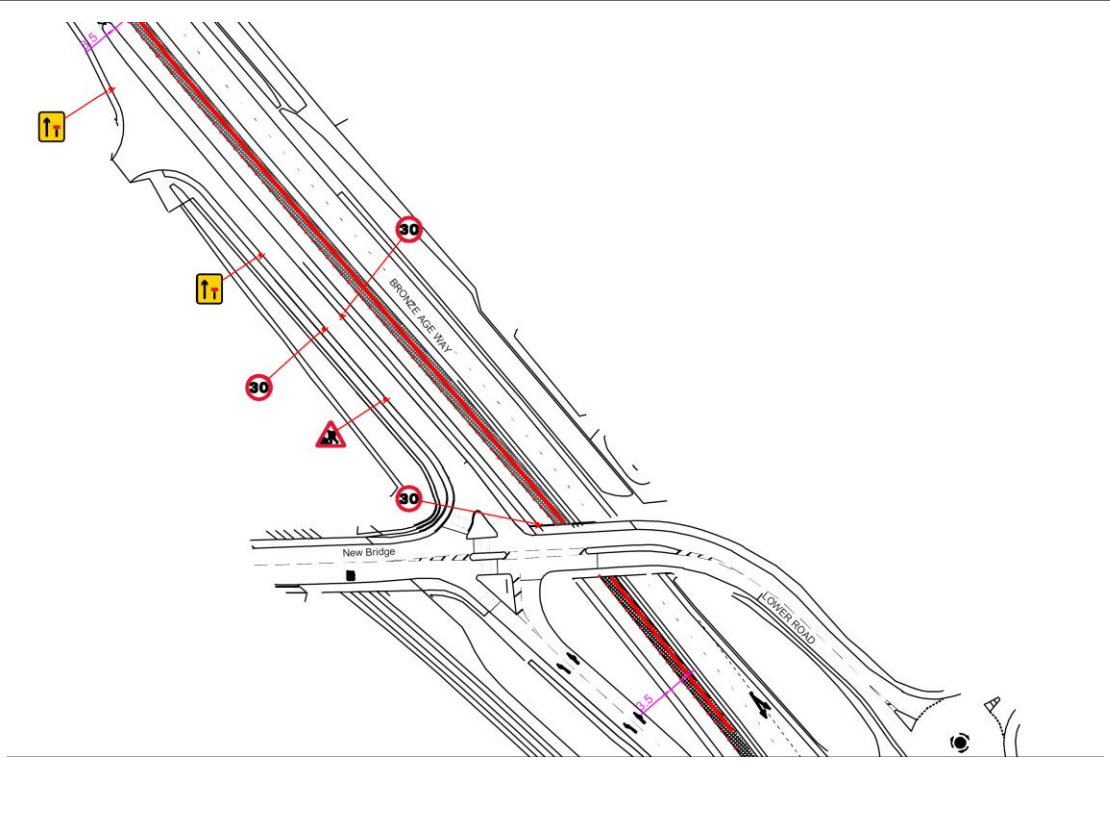
School service 601 unaffected due to weekend working.



Mitigation and Conclusion: Directional closure over a series of weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week. **Option explored:** Potential to use alternate working arrangements i.e. keeping lane in both directions open. This would increase works duration and increase risk to traffic and workforce

TECHNICAL NOTE

Zone 2: Lower Road Crossing

Bronze Age Way/ Lower Road Junction	Indicative TM Plan Extract
Chainage: 223 to 416	
Working Hours: Weekdays extended hours 7am – 8pm	
Indicative duration of works: 35.5 days	
Indicative start date: December 2022	
Indicative end date: January 2023	
Route Alignment Sheet No: 2-3	
Compass TM Plans: 28237-D5-Picardy Manorway to 28237-D9-SECTION2-Bronze Age Way	
Working arrangements: Lane closure, single lane working	
Pedestrian Access: No footway affected	
Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP	
Diversions: No diversions are required	

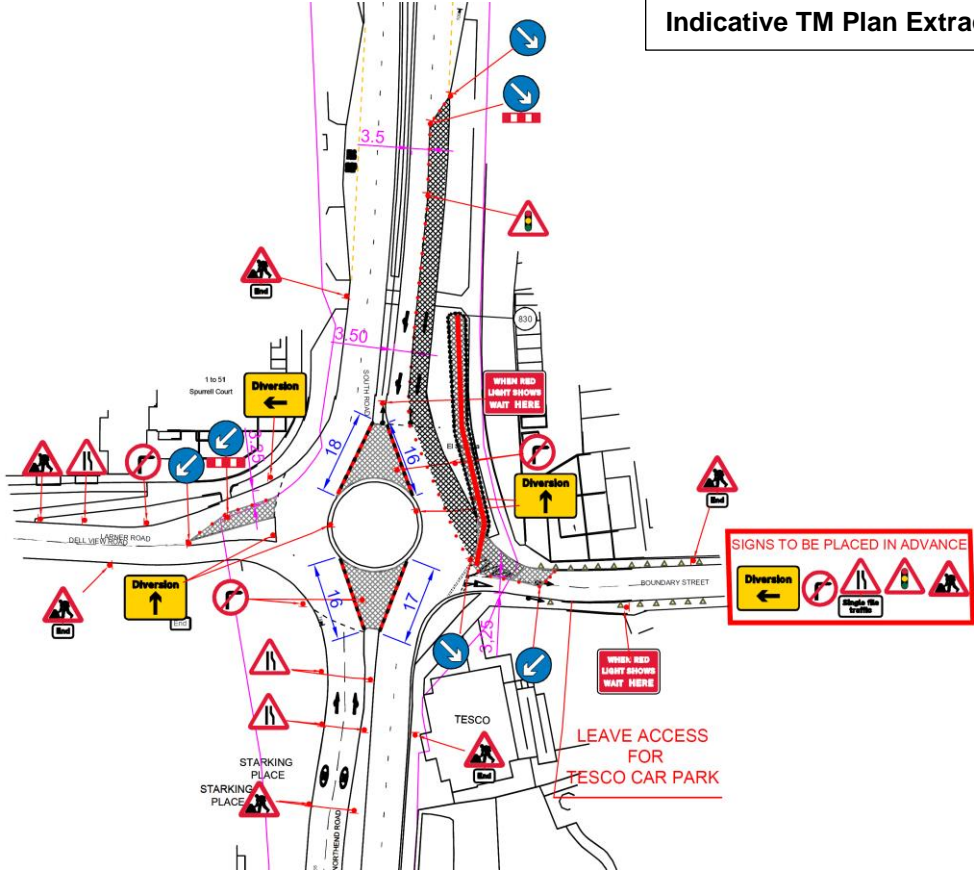
TECHNICAL NOTE

Public transport: Lower Road overbridge is used by a maximum of 9 buses per hour in each direction during working hours, no diversion or additional route mileage delay will occur.

Mitigation and Conclusion: Proposals indicate the cable route will go under the Lower Road Bridge using the middle lane, thereby avoiding disruption of traffic and bus services on Lower Road. Option explored: DCO concept route follows slip roads and over bridge. That option interfaced with bus services on Lower Road and would require temporary traffic signals to manage the crossing of Lower Road. The alignment following A2016 under the bridge removes the interface with bus services and the traffic signals on the slip road / Lower Road junction.

TECHNICAL NOTE

Zone 4: Bridge Road area

Queen's Road and Northend Road Roundabout	
Chainage: 842 to 854	Indicative TM Plan Extract
Working Hours: Weekend Working 8am-6pm	
Indicative duration of works: 2 Weekends (4 Days)	
Indicative start date: August 2022	
Indicative end date: September 2022	
Route Alignment Sheet No: 6	
Compass TM Plans: 28237-D16	
Working arrangements: Lane closure, alternate way working under temporary traffic signal control, closure of gyratory movements. Access to Tesco maintained throughout works.	
Pedestrian Access: access maintained on footway	
Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP	

TECHNICAL NOTE

Diversions: During works the circulation on the roundabout will be partially closed and turns from Queens Road northbound to Boundary Street will be prohibited. Drivers will be directed to u-turn at the Bexley Road (Fish) roundabout to turn left into Boundary Street. An alternate route via Peareswood Road is available.

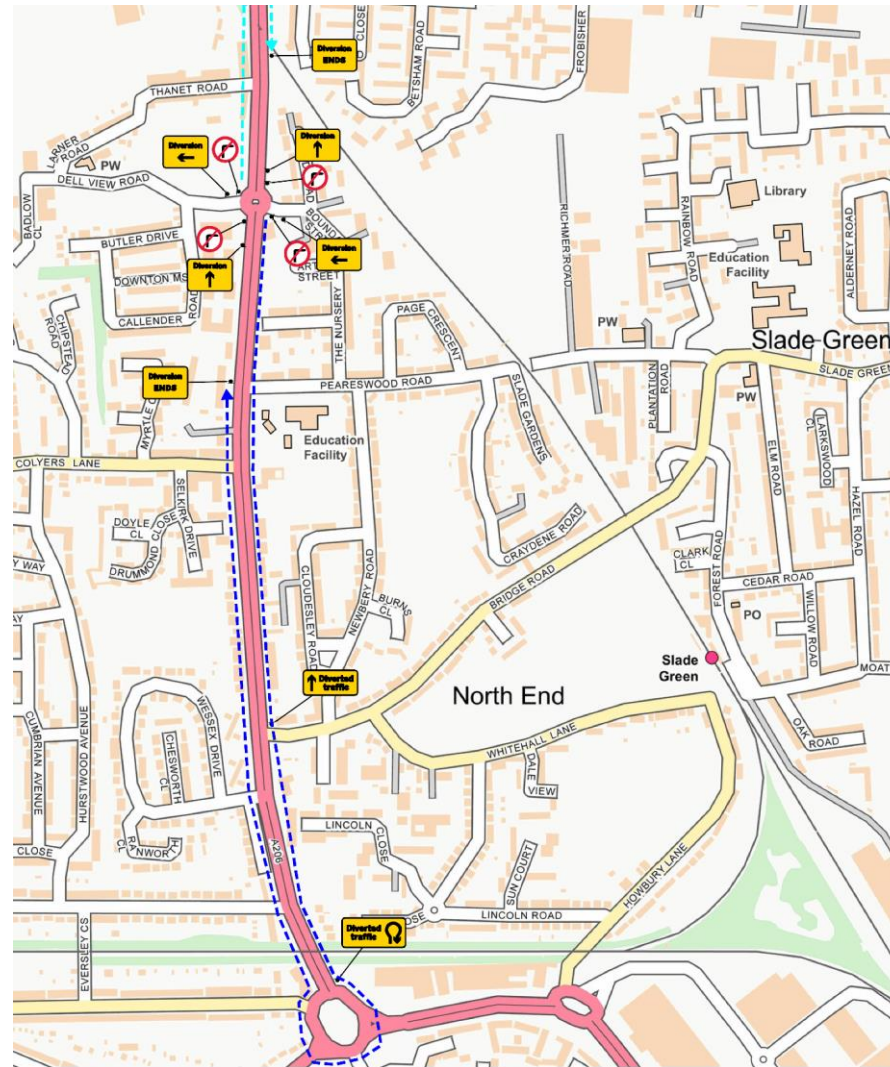
This diversion would take approximately one minute in increased journey time from additional mileage.

For journeys wishing to go from Dell View Road to Boundary Street or southbound on A206, diversion via Queens Road to the Fish Roundabout and returning southbound on Queens Road would be available. This diversion would take approximately five to seven minutes due to additional mileage.

Due to the gyratory partial closure southbound drivers who wish to access Dell View Road or northbound on A206 from Boundary Street will have to divert via Northend Road and the Thames Road Roundabout. This diversion would take approximately five to seven minutes due to additional mileage.

Public transport: No diversion is necessary for public transport. Maximum of 4 buses per hour during working hours. Service 428, bus stops kept open during works to minimise passenger disruption.

Mitigation and Conclusion: Weekend working. Westbound diversion via Northend Road, Thames Road roundabout; Eastbound movements diverted via Queens Road, Fish roundabout. Service 428 not diverted.



TECHNICAL NOTE

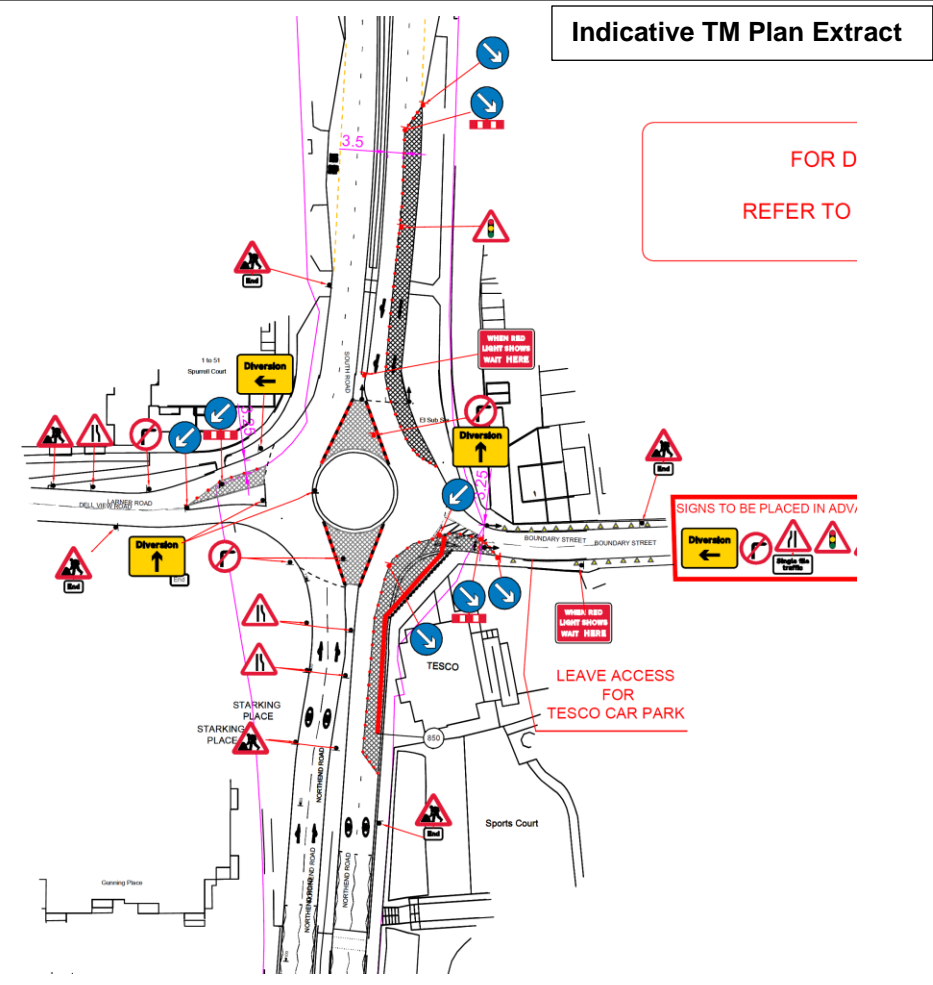
<p>Option explored: Boundary Street side road closure required diversion via Peareswood Road rather than temporary traffic signals. This option was considered to have a greater impact.</p>	
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TECHNICAL NOTE

Queen's Road and Northend Road Roundabout

Chainage: 842 to 854
Working Hours: Weekend Working 8am-6pm
Indicative duration of works: 2 Weekends (4 Days)
Indicative start date: August 2022
Indicative end date: September 2022
Route Alignment Sheet No: 6
Compass TM Plans: 28237-D16 to 28237-D17
Working arrangements: Lane closure, alternate way working under temporary traffic signal control, closure of gyratory movements. Access to Tesco maintained throughout works.
Pedestrian Access: access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP



TECHNICAL NOTE

Diversions: During works the gyratory will be partially closed and turns from Queens Road to Boundary Street being prohibited. Drivers will be directed to u-turn at the Bexley Road (Fish) roundabout to turn left into Boundary Street. An alternate route via Peareswood Road is available.

This diversion would take approximately one minute in increased journey time from additional mileage.

For journeys wishing to go from Dell View Road to Boundary Street or southbound on A206, diversion via Queens Road to the Fish Roundabout and returning southbound on Queens Road would be available. This diversion would take approximately five to seven minutes due to additional mileage.

Due to the gyratory partial closure southbound drivers who wish to access Dell View Road or northbound on A206 from Boundary Street will have to divert via Northend Road and the Thames Road Roundabout. This diversion would take approximately five to seven minutes due to additional mileage.

Public transport: No diversion is necessary for public transport. Maximum of 4 buses per hour during working hours. Service 428, bus stops kept open during works to minimise passenger disruption.



TECHNICAL NOTE

<p>Mitigation and Conclusion: Weekend working. Westbound diversion via Northend Road, Thames Road roundabout; Eastbound movements diverted via Queens Road, Fish roundabout. Service 428 not diverted.</p> <p>Option explored: Boundary Street side road closure required diversion via Peareswood Road rather than temporary traffic signals. This option was considered to have a greater impact.</p>	
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TECHNICAL NOTE

Zone 4: Northend Road (inc. Colyers Lane / Bridge Road)

Northend Road junction with Bridge Road

Chainage: 851 to 990

Working Hours: Weekend Working (4 Weekends) - Out of hours working (6pm to 8am)

Indicative duration of works: 8 days

Indicative start date: September 2022

Indicative end date: October 2022

Route Alignment Sheet No: 6-7

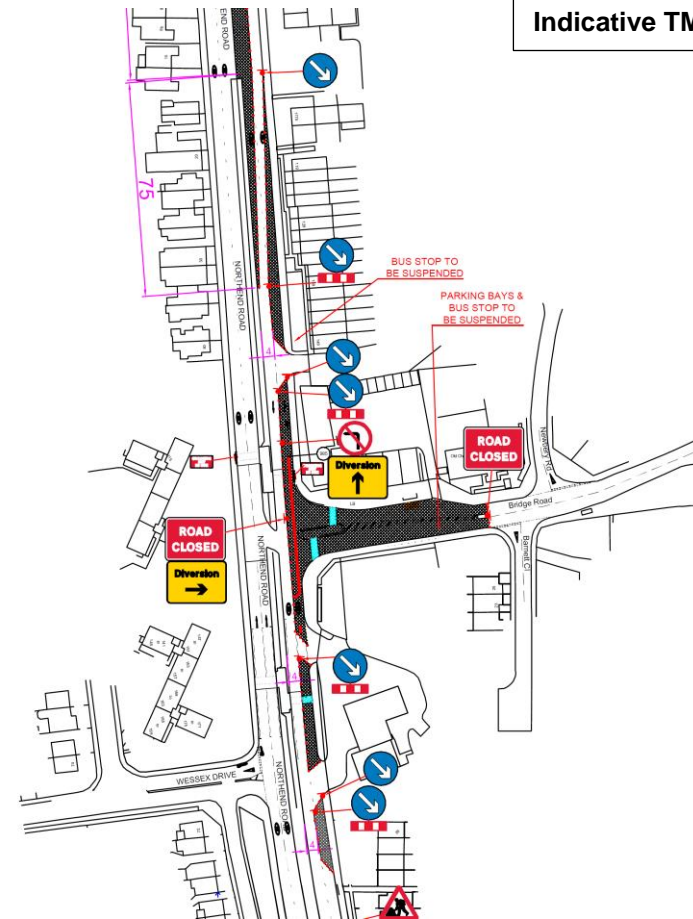
Compass TM Plans: 28237-D18 to 28237-D23

Working arrangements: Lane closure on A206, single lane working, closure of Bridge Road

Pedestrian Access: access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

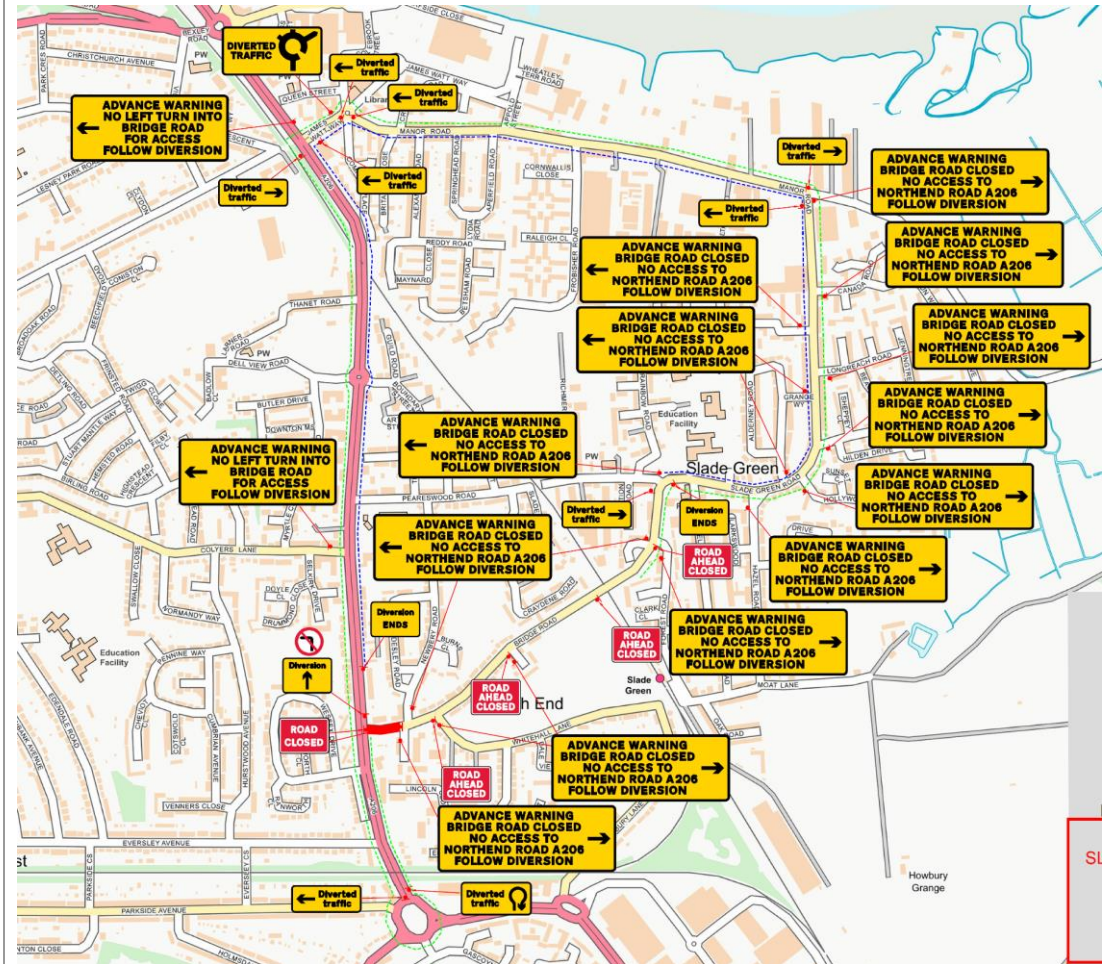
Indicative TM Plan Extract



TECHNICAL NOTE

Diversions: Diversions, closure of Bridge Road requires vehicles to divert via Thames Road and Holloway Lane

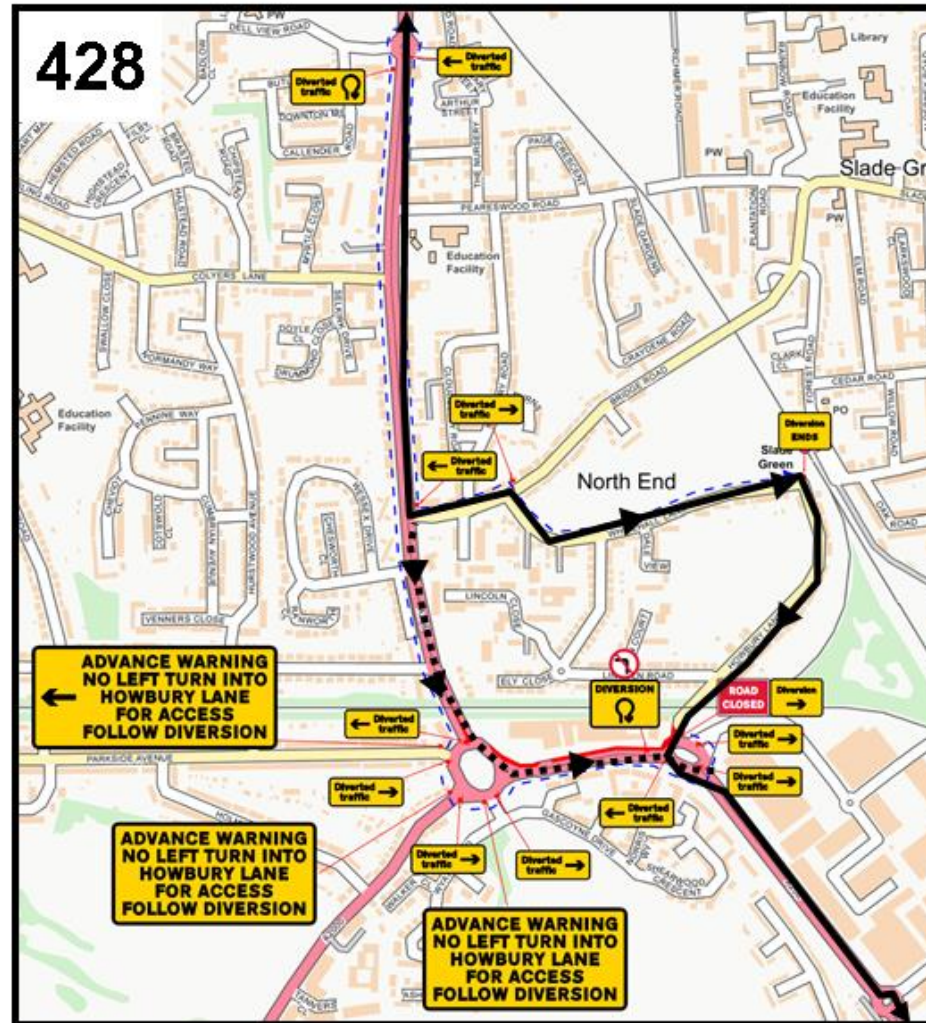
This diversion would take approximately five minutes in increased journey time from additional mileage.

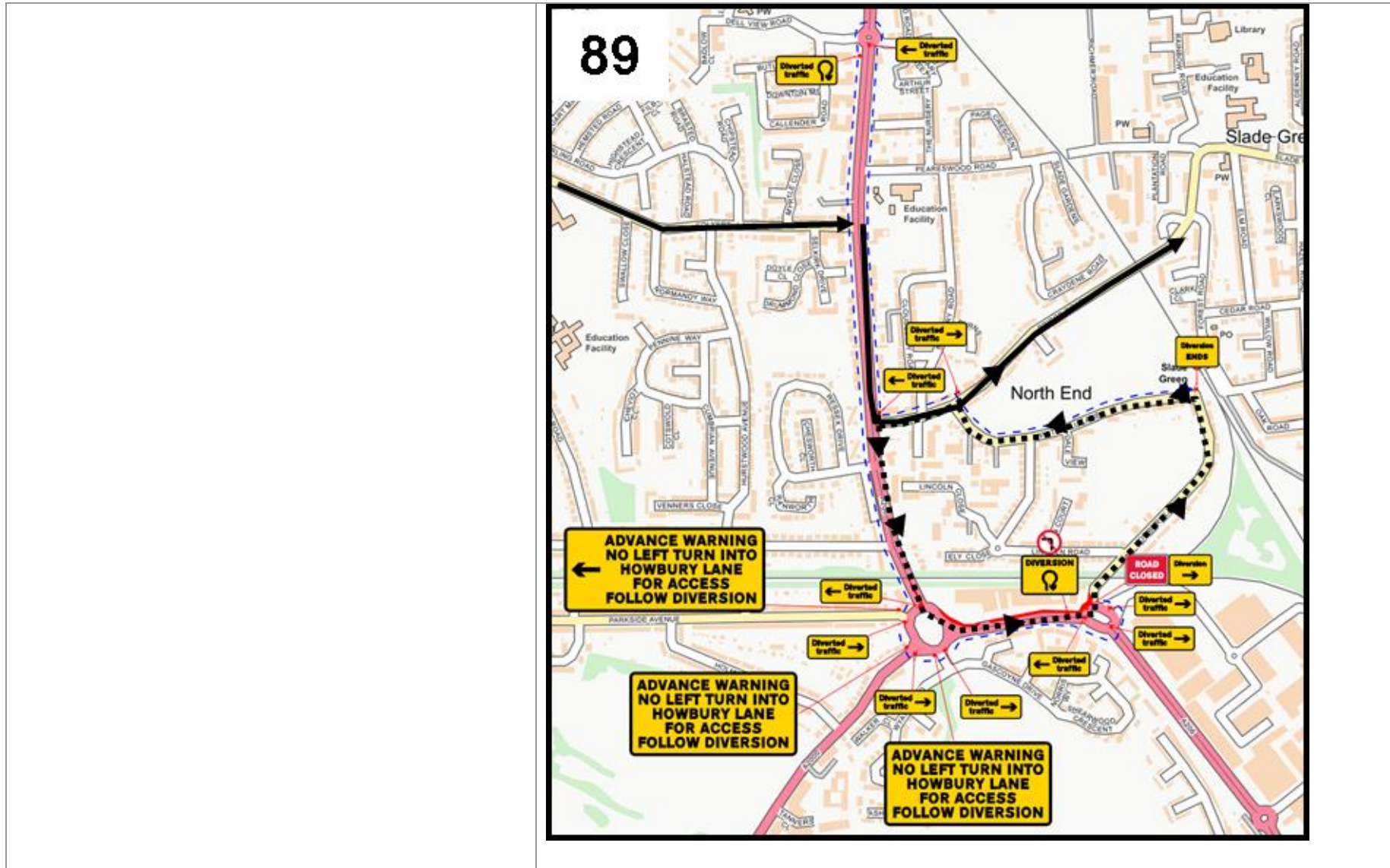


TECHNICAL NOTE

Public transport: Maximum of 10 buses per hour in each direction during working hours, Service 428, 89, (N89 after working hours). Closure of Bridge Road requires diversion of services onto Thames Road and Howbury Lane

This diversion would take approximately five minutes in increased journey time from additional mileage.



TECHNICAL NOTE


TECHNICAL NOTE

Mitigation and Conclusion: Temporary bus stops required where affected. Bridge Road closed under weekday working with extended hours. Service N89 is not affected by the working hours.

Option explored: relocate trench to off-side lane to reduce side road interfaces and reduce bus service impacts. Would require closure of Colyers Lane egress (diverted via Boundary Road) and closure of Bridge Road egress (diverted via Perry Street roundabout).

TECHNICAL NOTE

Zone 6: Thames Road (to Crayford Way)

Thames Road junction with Kennet Road

Chainage: 1161 to 1350

Working Hours:

Kennet Road roundabout: Weekend working 8am – 6pm

Indicative duration of works: 2 days (1 Weekend)

Indicative start date: January 2023 - March 2023

Indicative end date: January 2023 - March 2023

Route Alignment Sheet No: 8

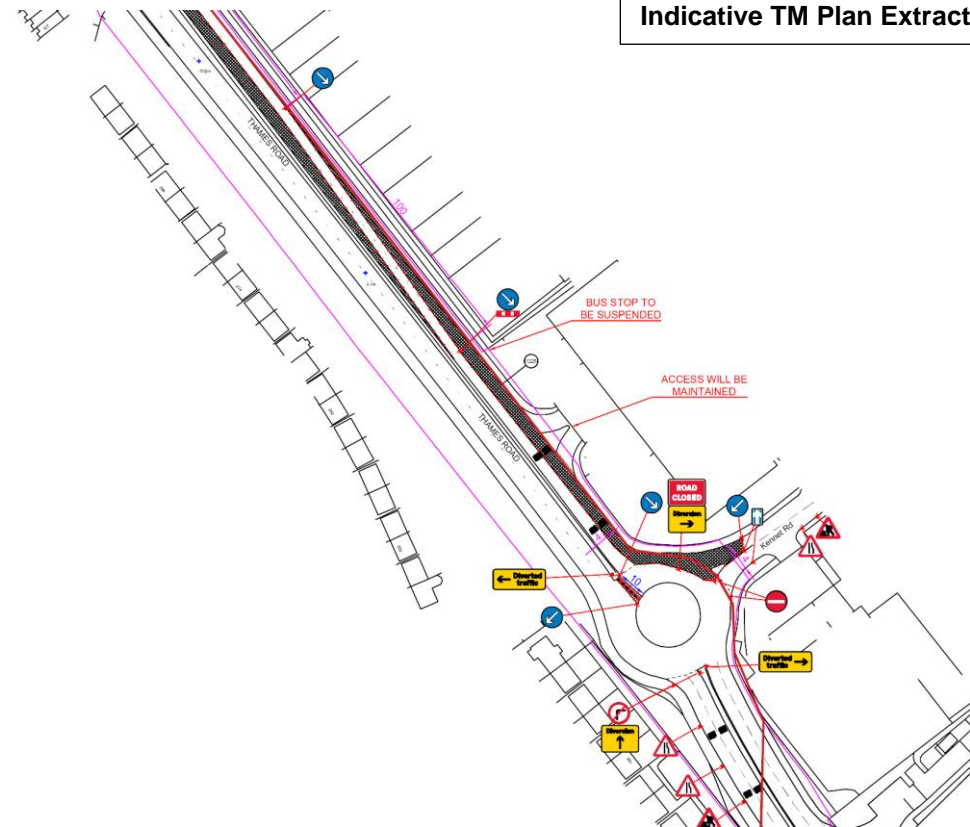
Compass TM Plans: 28237-D27-Thames Rd

Working arrangements: Lane closure, single lane working. Directional road closure entering Kennet Road.

Pedestrian Access: Access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

Indicative TM Plan Extract



TECHNICAL NOTE

Diversions: Vehicles wishing to turn from Thames Road into Kennet Road will be diverted via Thomas Road. The additional journey time likely due to additional mileage is approximately one to three minutes.



Public transport: No diversion of public transport is required. Southbound buses on service 428 would be minimally affected by lane closure.

Mitigation and Conclusion: Partial road closure over a series of weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week. Access maintained to businesses.

TECHNICAL NOTE

Thames Road junction with Kennet Road

Chainage: 1161 to 1350

Working Hours:

Kennet Road roundabout: Weekend working 8am – 6pm

Indicative duration of works: 2 days (1 Weekend)

Indicative start date: January 2023 - March 2023

Indicative end date: January 2023 - March 2023

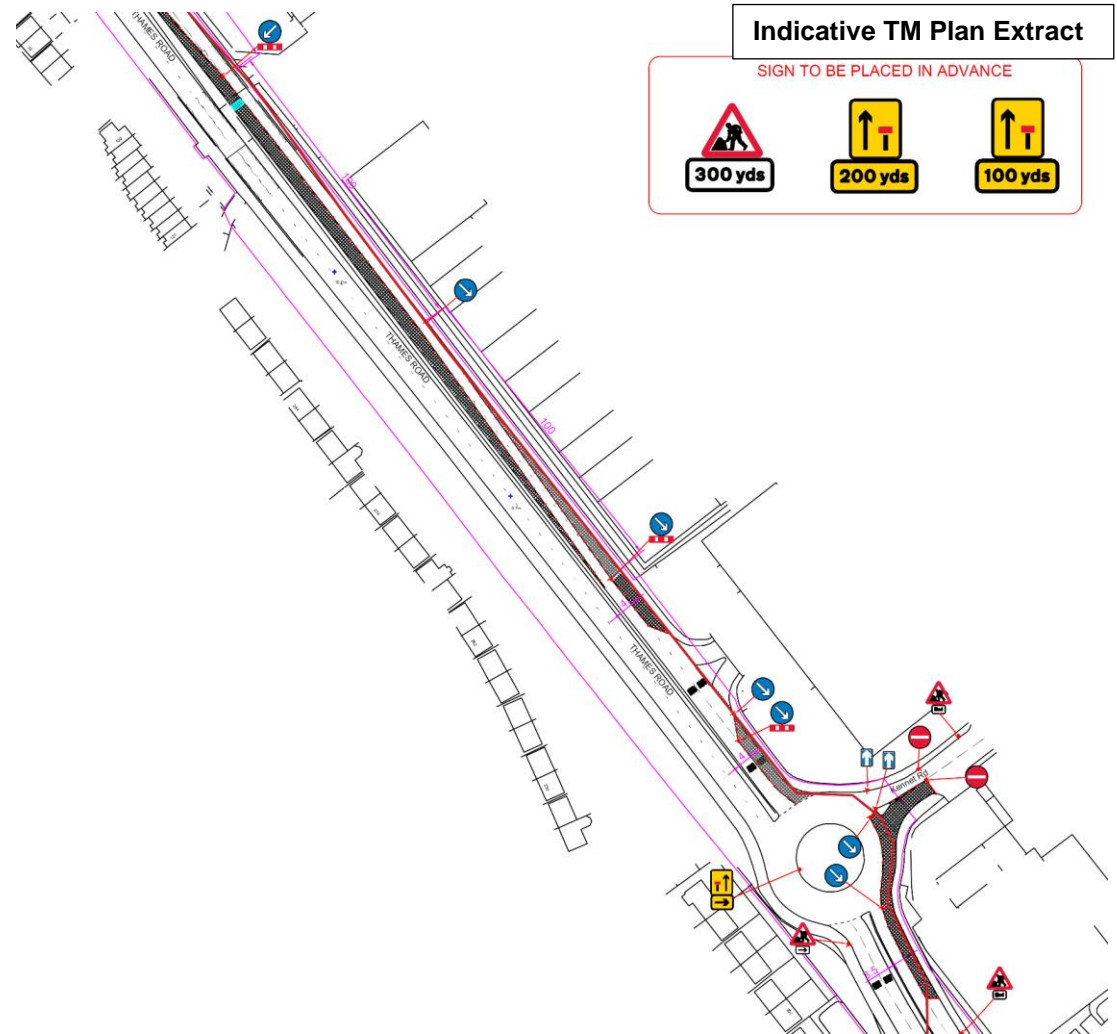
Route Alignment Sheet No: 8

Compass TM Plans: 28237-D28-Thames Rd

Working arrangements: Lane closure, single lane working. Directional road closure leaving Kennet Road.

Pedestrian Access: Access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP



TECHNICAL NOTE

Diversions: Vehicles wishing to turn from Kennet Road into Thames Road will be diverted via Thomas Road. The additional journey time likely due to additional mileage is approximately two to four minutes.

Public transport: No Diversion of public transport is required. Southbound buses on service 428 would be minimally affected by lane closure.

Mitigation and Conclusion: Partial road closure over a series of weekends to help minimise works duration and maintain safe working. Traffic management measures would be removed during the week. Access maintained to businesses.



TECHNICAL NOTE

Thames Road junction with Kennet Road

Chainage: 1161 to 1350

Working Hours: Crossing Thames Road: Weekend working 8am – 6pm

Indicative duration of works: 4 days (2 weekends)

Indicative start date: January 2023

Indicative end date: March 2023

Route Alignment Sheet No: 8

Compass TM Plans: 28237-D29-Thames Rd

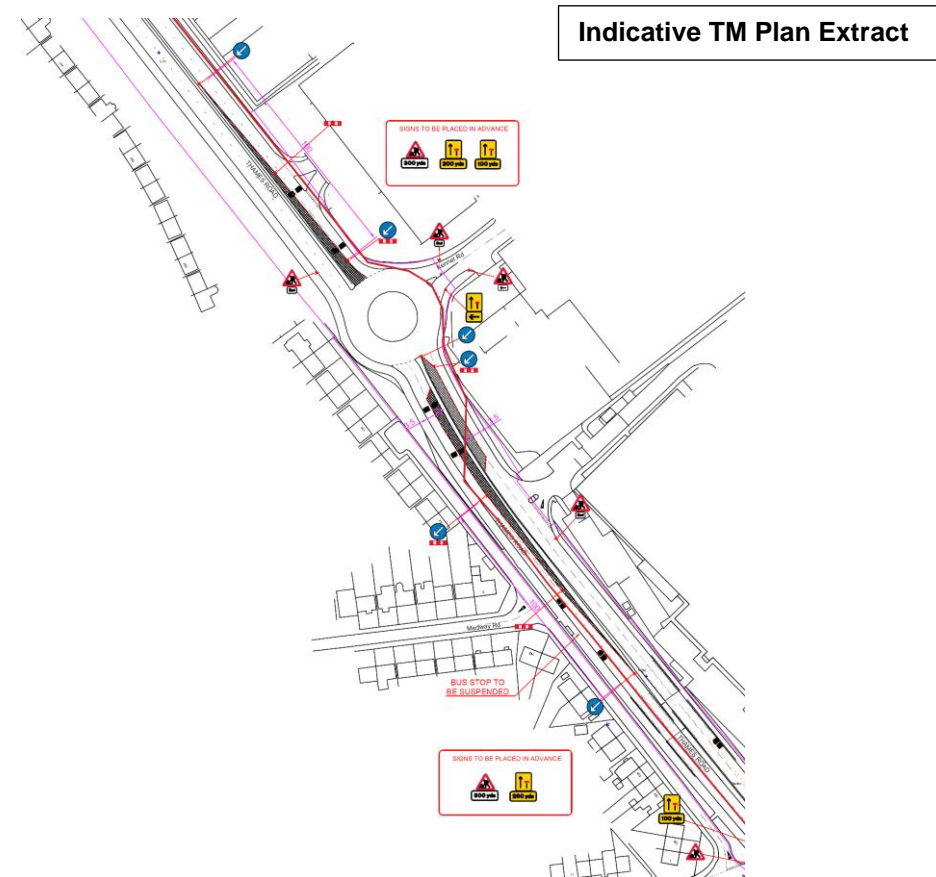
Working arrangements: Lane closure, single lane working.

Pedestrian Access: Access maintained on footway

Community Information: Additional community information regarding final implementation will be provided in accordance with the CoCP

Diversions: No diversions are required

Public transport: No diversion of public transport is necessary Service 428 will be marginally affected by the lane closures.



TECHNICAL NOTE

<p>Mitigation and Conclusion: Lane closures to allow safe working area within the off-side lanes northbound and southbound.</p>	
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