Committees:	Dates:	
Streets and Walkways Sub-	23 February 2015	
Committee Projects Sub	23 February 2015	
Subject: EE106 Crossrail	Gateway 4	Public
Moorgate Gateway 4 (stage 1)	(stage 1) -	
report	Detailed Design	
Report of:	For Decision	
Director of the Built Environment		

#### **Summary**

#### Dashboard

1) Project Status: Green

2) Timeline: Design proposals agreed with stakeholders3) Total Estimated Cost: £1-1.3 million (externally funded)

4) Spend to Date: £81,8265) Overall project risk: Low

#### Context:

This report seeks approval of detail design proposals immediately around the new Moorgate Crossrail entrance, as defined by a proposed security cordon. A site location plan is attached as Appendix 1 and the proposals are set out in Appendix 2. Timely approval of these detail design proposals will allow Crossrail to proceed with applying for planning permission without risk of delay to their work programme. It will also allow the City to report back at Gateway 4 (stage 2) on the outcomes of an in-depth study into the effects of Crossrail passengers on the surrounding road network.

Crossrail have agreed a revised General Arrangement plan for the area inside the security cordon (refer to Appendix 2) with the City which replaces a plan originally produced by Crossrail's consultant in 2011. The new plan has allowed Crossrail to co-ordinate the design and development of the station entrance area with the wider public realm proposals being carried out by the City. It is expected that Crossrail will submit for planning approval for the public realm works within the security cordon in mid-2015.

A more detailed design for the area outside the security cordon will be developed in accordance with the agreed General Arrangement plans and submitted to this committee for consideration in due course.

#### Background:

Crossrail submitted draft proposals for the Moorgate Crossrail Station Integration project in 2011, which needed to be revised with input from key stakeholders to accord with the City's strategy for the Liverpool Street Area 2012, adopted in 2013. It was agreed with Crossrail that the design would be progressed through a Working Group process, leading to an amended design developed in partnership with the City and neighbouring stakeholders. This would allow Crossrail to proceed on their timetable provided the City had agreement from Members originally by December 2014. The December deadline was then extended to February 2015 at Crossrail's request.

Following Gateway 3 approval in August 2014 the project was approved to

proceed to Gateway 4 via a two stage reporting process.

Gateway 4 (stage 1) is intended set out the design proposals for the area immediately around the station entrance to the General Arrangement level of design. It also includes outline design proposals for a broader area of primary interest, including Moorgate.

To meet Crossrail's deadline the proposals around the station entrance requires Member approval by February 2015. The deadline enables Crossrail to develop the detail design for the area under their responsibility for implementation, and work with the City on developing this design prior to the submission of a planning application in line with their work programme.

Gateway 4 (stage 2) will require a report to committee setting out the detailed design and details of options for traffic management in Moor Place and Moorfields, in conjunction with an assessment of the broader impacts of an increase in pedestrian numbers on the road network managed by the City.

#### Progress to date:

A summary of spend to date is shown in Table 1, which includes commitments to date. It is estimated that an additional £7,858will be required to complete Gateway 4 (stage 1), giving an underspend of £25,315 for this stage.

Table 1 – Financial summary: Spend to date.				
tem description	Approved budget   Spend to date   Balanc		Balance (£)	
	(£)	(£)		
Consultants costs	70,000	62,141	7,858	
Staff costs (transport and public realm)	45,000	19,685	25,315	
subtotal	115,000	81,826	33,174	

Since Gateway 3 approval in August, officers have appointed landscape design, lighting and transportation consultants in line with the approved project brief to review and prepare the design proposals in Appendix 2. Officers have also been working constructively with stakeholders to further refine Crossrail's 2011 public realm designs, align them with the Liverpool Street Area Strategy and the City's Street Scene Manual

#### Overview of Options:

Two options have been developed in consultation with the Working Group for the project. The design of the area and extent of the security cordon, under Crossrail's responsibility, remains the same in both options. The area inside the security cordon has deliberately been kept free of obstructions to pedestrian movement during peak periods of activity. Cyclists will have access through the cordon and TfL have advised that the balance between cyclists and pedestrian needs can be largely left as self-managed.

Demand from service vehicles for access will be for refuse collection from 101 Moorgate but 24 hour management of the cordon will still be required for emergency vehicles. The City is expecting London Underground Limited (LUL) to take on the responsibility for being the City's agent for overseeing the proper

operation of the managed access. London Underground advises that the resource for management of access through the security cordon has been allowed for in the service management plan for 101 Moorgate. The detail of this will need to be agreed by the City, in consultation with the City of London police and the emergency services.

While both options represent a balance of priorities between security requirements, safe pedestrian dispersal, materials and vehicle access, the main difference between options is in the approach to managing traffic on Moorfields and Moor Place, north of the security cordon area.

Option 1 shows Moor Place remains open to vehicle movements, the same condition that existed prior to the beginning of Crossrail's occupation.

Option 2 proposes the Moor Place remains open but traffic using Moor Place is managed to reduce the potential for conflict between vehicles and pedestrians during peak times of pedestrian activity. Options for how traffic could be managed will be investigated further and reported back to members in Gateway 4 (stage 2).

#### Funding strategy:

Remediation to Crossrail's worksite (refer to the red line boundary on drawings supplied in Appendix 3) will be funded by Crossrail.

At Gateway 3, officers estimated £265,000 would be required to deliver Gateway 4 (stage 2). A review of the funding required for Gateway 4 (stage 2) was carried out. Due to a revised scope, the estimate of costs was reduced from £265,000 to £128,000 (refer to Section 23 in the Option Appraisal Matrix in conjunction with Appendix 2, showing the extent of City and Crossrail interests in this project). A summary of the estimated costs for Gateway 4 stage 2 is supplied in Table 2.

Table 2 - Estimated costs for Stage 2.			
Description	Approved Budget (£)	Funding Source	
Consultants Fees	80,000	72 Fore Street s106	
Staff Costs	48,000	72 Fore Street \$100	
Total	128,000		

Officers will use any carry forward from this project to part-fund Gateway 4 (stage 2) and continue to investigate potential sources of external funding from s106 agreements. The projected underspend of £25k on Stage 1 will be used to carry on with the project into Stage 2. The additional funding required for Stage 2 is £103,000.

#### Proposed way forward:

Agreement of proposals inside the security cordon at this stage will allow Crossrail to progress detail design development of the area inside the security cordon and bring proposals back to the City to review via the statutory planning process.

Proposals for the area of Moorfields outside the security cordon and Moor Place will be investigated by the City independently of Crossrail's programme for the worksite and reported on to members at Gateway 4 (stage 2).

#### Procurement approach:

Remediation to Crossrail's worksite (refer to the red line boundary on drawings supplied in Appendix 3) will be procured and funded by Crossrail.

For public highway areas outside Crossrail's worksite (refer to the blue line boundary on drawings supplied in Appendix 3), the works are anticipated to be carried out by the City's term contractor for highways, currently JB Riney, but this will be confirmed via the Gateway 4 (stage 2) report in early-mid 2015.

#### Recommendations:

- 1) Approval is given for the following design proposals in Appendix 2:
  - (i) Detail design inside the security cordon to allow Crossrail to proceed with their planning application.
  - (ii) Outline design proposals for the area outside the security cordon to allow the project to progress to Gateway 4 (stage 2).
- 2) Approval is given for the carry forward of any remaining underspend at stage 1 to be used to fund the project to Gateway 4 (Stage 2).
- 3) Approval is given for City officers to obtain any necessary planning, listed building, traffic order or other consents as may be necessary to implement the project as described in this report.
- 4) Approval is given for City officers to enter in to a Section 278 agreement with relevant parties if security measures are required on public highway.
- 5) Approval is given for officers to approach developers for 72 Fore Street to confirm availability of external funding for Gateway 4 (stage 2).
- 6) Approval is given for officers to explore the mechanisms by which Crossrail would be able to provide a maintenance contribution for hard landscaping

## **Options Appraisal Matrix for Crossrail Work Site**

Option	Option 1	Option 2
1. Brief description	The proposals upgrade the area immediately outside the proposed Crossrail entrance with improvements to paving, cycle access and lighting. A security cordon is installed in the southern part of Moorfields making the area immediately outside the Crossrail entrance pedestrian priority apart from refuse collections outside of peak hours. Vehicles have unrestricted access to Moor Place via Moorfields.	As Option 1, but with vehicles having restricted access to Moor Place via Moorfields.
2. Key Design Elements	<ul> <li>An anti-terrorist security cordon is installed around the Crossrail station entrance at 21 Moorfields.</li> <li>Significant improvements to the quality and ambience of the public realm are delivered in Moorfields and Moor Place.</li> </ul>	As Option 1, but with Vehicle access to Moor Place and Moorfields will be restricted using statutory mechanisms such as traffic orders.
	<ul> <li>A sense of arrival is provided for Crossrail, train and London Underground passengers arriving at Moorgate transport interchange.</li> </ul>	
	<ul> <li>The existing carriageway on Moorfields is raised to footway level, improving access for wheelchair users, the elderly and young.</li> </ul>	
	The needs of both pedestrians and cyclist road are accommodated as safely as	

	possible.  - Vehicles have unrestricted access to Moor Place via Moorfields.
3. Scope and Exclusions	The scope of the works described in this Gateway 4 (stage 1) report relates only to the area covered by the Crossrail worksite as shown in Appendix 3. The wider area works (Area of Primary Interest) as shown in Appendix 3 will be reported separately under the Gateway 4 (stage 2) report in mid-2015.
Project Planning	
4. Programme and Key dates	<ul> <li>January 2014 – Agreement of replacement design option for Crossrail worksite area;</li> <li>mid 2015 – Detailed design of Crossrail worksite area;</li> <li>mid 2015 – Design options for wider area works (Area of Primary Interest);</li> <li>late 2015 – Detailed design of wider area works (Area of Primary Interest);</li> <li>July 2015 – Crossrail submit Schedule 7 application for Planning Permission for worksite area;</li> <li>2016/17 – Implementation of Crossrail worksite area works;</li> <li>2016/17 – Implementation of wider area works will be coordinated with the implementation of the Crossrail worksite area works;</li> </ul>

5. Risk implications	isk implications The project is considered to be Low Risk overall given it is externally funded and delivered.			
	The key risk for the Crossrail Work Site relates to programme and the need to agree a replacement design option with Crossrail by February 2015 to coordinate with their programme.			
	To mitigate the risk officers have worked with Crossrail, City of London police, London Undergroun Land Securities, Transport for London and the key local façade occupiers throughout the design review process in 2014. This is to ensure a replacement design is agreed by key stakeholders time to report to Members for approval in February 2015.			
6. Benefits and disbenefits	Option 1	Option 2		
dispendits	Benefits:	Benefits:		
	<ul> <li>A more visually consistent and higher quality public realm will be provided than currently exists.</li> <li>Objectives set out in the Liverpool Street Area Enhancement Strategy will be delivered to the fullest extent.</li> <li>A sense of arrival is provided for Crossrail,</li> </ul>	The same as Option 1 apart from:  - Any conflict between pedestrians and vehicles on Moor Place is managed through the operation of statutory mechanisms such as traffic orders restricting vehicle access.  Disbenefits:		
	train and London Underground passengers emerging at Moorgate.	The same as Option 1 apart from:		
	- The existing carriageway on Moorfields is raised to footway level, improving access for wheelchair users, the elderly and young.	Traffic orders will require active enforcement if they are to be effective.		
	The needs of both pedestrians and cyclists are accommodated within the cordon as safely as possible at all times.			
	- A taxi waiting area on Moorfields will be			

	provided to service current and future	
	developments.	
	<ul> <li>Any conflict between pedestrians and vehicles on Moor Place is self managed.</li> </ul>	
	Disbenefits:	
	<ul> <li>The current left turn only out of Moor Place will require further measures to prevent vehicles from physically circumventing the ban.</li> </ul>	
	<ul> <li>On-street catering opportunities on Moorfields (east) will partially obstructed by the current location of cycle hire stations and the need for vehicle access along Moorfields.</li> </ul>	
	<ul> <li>Number of standard parking bays on Moorfields has been reduced to accommodate an enlarged taxi waiting area.</li> </ul>	
	<ul> <li>Existing trees and parked vehicles may impact on the effective dispersal of Crossrail passengers and on underground utilities.</li> </ul>	
7. Stakeholders and consultees	Key stakeholders include Crossrail, Network Ra Aviva, Land Securities and local façade occup Crossrail Moorgate steering group following ap Fortnightly meetings have been held to ensure all r	iers along Moorfields. Officers established the proval of the Gateway 3 report in July 2014.

esource Implications				
8. Total Estimated Cost	The total estimated cost range of the Crossrail worksite area is estimated at between £1-1.3 million. A more accurate total estimate will be known at Gateway 4 (stage 2).			
9. Funding Strategy	Remediation to Crossrail's worksite (refer to the red line boundary on drawings supplied in Appendix 3) will be procured and funded by Crossrail. Staff costs will be covered by s106 funding from 72 Fore Street, subject to agreement with the developer.  The reduction in estimated costs for Gateway 4 (stage 2) has resulted from revised estimates of passengers exiting Crossrail and Underground entrances by Crossrail and consultants. The change in numbers is less significant than expected and has resulted in a reduction of the area expected to receive impacts.			
	Table 3 – Est	Table 3 – Estimated costs for Gateway 4 (stage 2)		
	Item Reason Cost (£) Funding Source			
	Consultants costs	Transport assessment Detail design of Crossrail area	80,000	S106 funding for 72 Fore Street, subject to agreement with developer.
	Staff costs	Negotiate s106 funding with developer, project management, reporting, liaison, communication and administration.	48,000	
		Sub total	128,000	
10. Estimated capital value/return	The works are e funded and delive	•	ue of betwe	een £1-1.3 million but will be externally
11.Ongoing Revenue Implications	•	. ,	, .	in maintenance due to the opportunity to ty areas. Maintenance aspects will be

	investigated further as part of the Gateway 4 (sta	age 2) report in mid-late 2015.	
	Crossrail are funding the delivery of the works, following which the maintenance costs would revert to the City programmes/budgets as existing. Officers can explore whether Crossrail are able to provide a maintenance contribution for the hard landscaping elements of the works.		
	The cost of maintaining/repairing/replacing any security elements of the project that are located on City Highway would remain the responsibility of Crossrail (or its successor, London Underground) in perpetuity, and this provision will be formalised in a Section 278 agreement.		
12.Investment Appraisal	Not applicable.		
13. Affordability	Either option will be fully funded and delivered b	y Crossrail.	
14. Procurement Strategy	All works within the Crossrail worksite area will be procured and completed by Crossrail and their appointed sub-contractors.		
15.Legal Implications	The City will need to negotiate a S278 agreement with Crossrail (or its successors) to formalise the funding and maintenance of any security infrastructure required on public highway.		
	Section 278 of the Highways Act 1980 provides the ability for the City, as highway authority, to enter into an agreement to secure funding for works (and maintenance) relating to highway.		
16. Corporate property implications	None.		
17. Traffic Implications	While larger vehicles can move freely through Moor Place, there remains a risk of conflict with pedestrians during morning and afternoon peaks of pedestrian activity.	While larger vehicles can move freely through Moor Place, there remains a risk of conflict with pedestrians during morning and afternoon peaks of pedestrian activity. It is proposed to restrict traffic to using Moor Place during off peak times, using traffic orders. This will need further investigation in Gateway 4 (stage 2).	

18. Sustainability and energy implications	Crossrail will be expected to procure sustainably sourced yorkstone and granite, as defined in the City's standard palette.			
19.IS implications	None.			
20. Equality Impact Assessment	An Equality Impact Assessment (EQIA) has been carried out for the project and is provided in Appendix 4. In summary, the scheme considered to have positive impacts upon the users of the City's streets and spaces.			
21. Recommendation	Not recommended Recommended			
22. Next Gateway	Gateway 4 (stage 2) – Detailed design of Moor Place and assessment of wider area impacts.			
23. Resource	The following funding sources have been identified as potentially available for Gateway 4 (stage 2) but remain subject to agreement.			
requirements to			, ,	
requirements to reach next Gateway		ment.		
	but remain subject to agree	ment.		Variance (£)
	but remain subject to agree  Table 3 - Funding required	ment. up to the end of Stage 2	Expenditure /	Variance (£)
	but remain subject to agree  Table 3 - Funding required  Description	ment.  up to the end of Stage 2  Revised Budget (£)	Expenditure / Commitments (£)	Variance (£)
	Description  Consultants Fees	ment.  up to the end of Stage 2  Revised Budget (£)	Expenditure / Commitments (£)	Variance (£) 87,858
	Description  Consultants Fees  Staff Costs	ment.  up to the end of Stage 2  Revised Budget (£)  150,000	Expenditure / Commitments (£) 62,142	

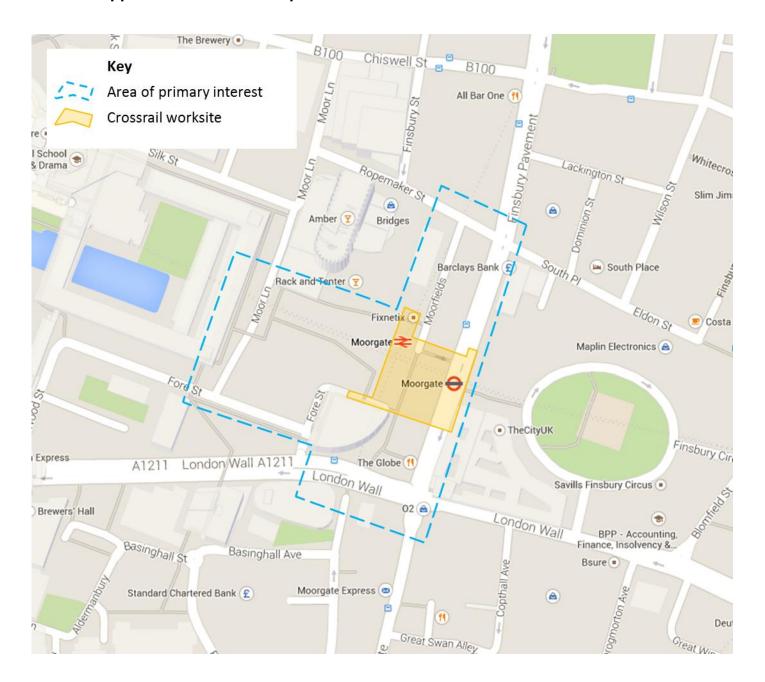
## **Appendices**

Appendix 1	Location map and extent of Crossrail work site	
Appendix 2	Detailed design proposals	
Appendix 3	Extent of Crossrail and City interests around the Crossrail	
	Moorgate entrance	
Appendix 4	Equality Impact Assessment	

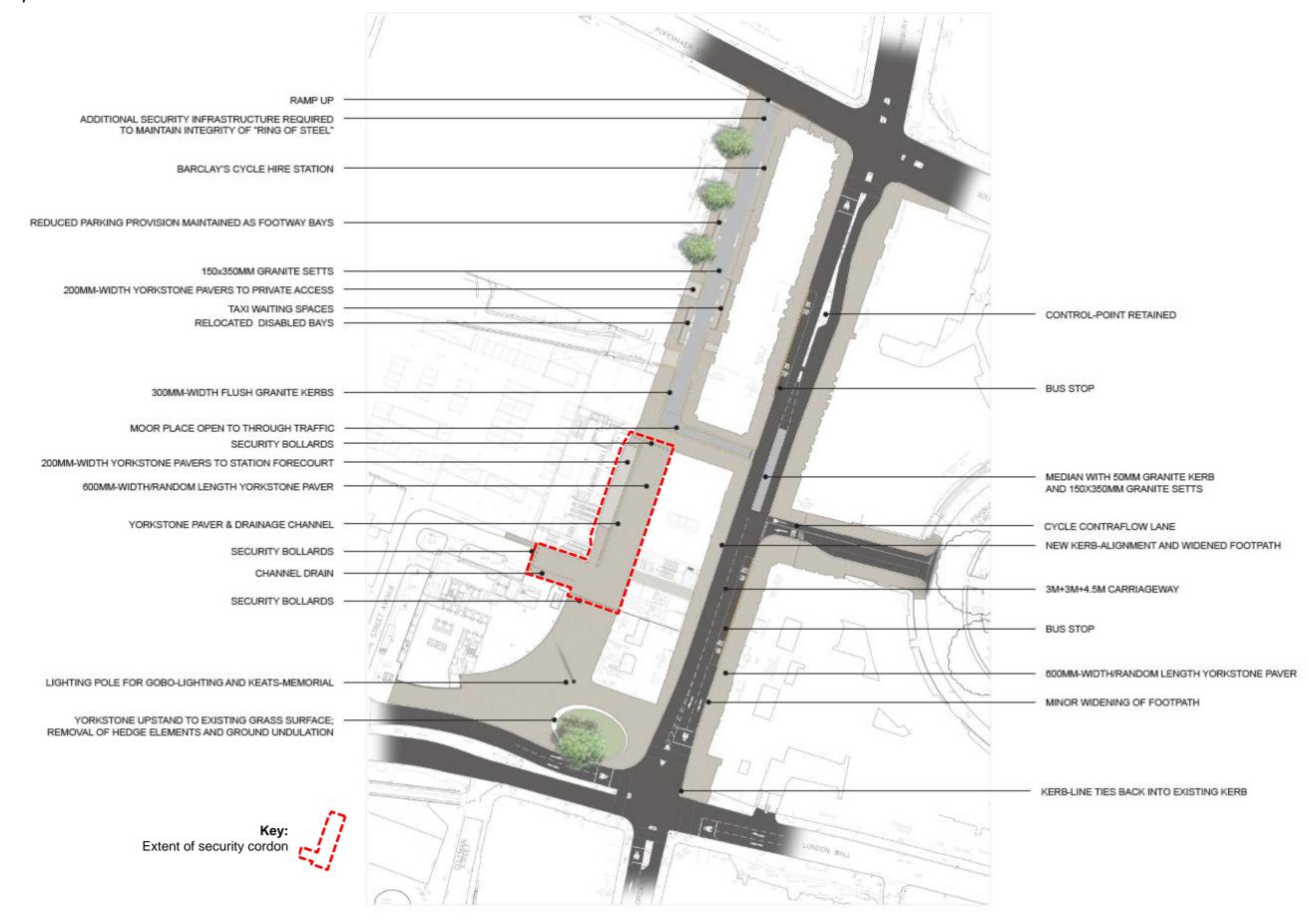
## **Contact**

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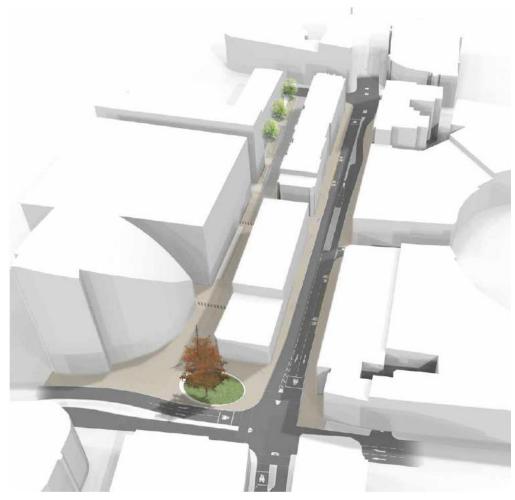
Appendix 1: Location map and extent of Crossrail work site



# Appendix 2: Draft detail design proposals Option 1: Full vehicle access to Moor Place is reinstated.

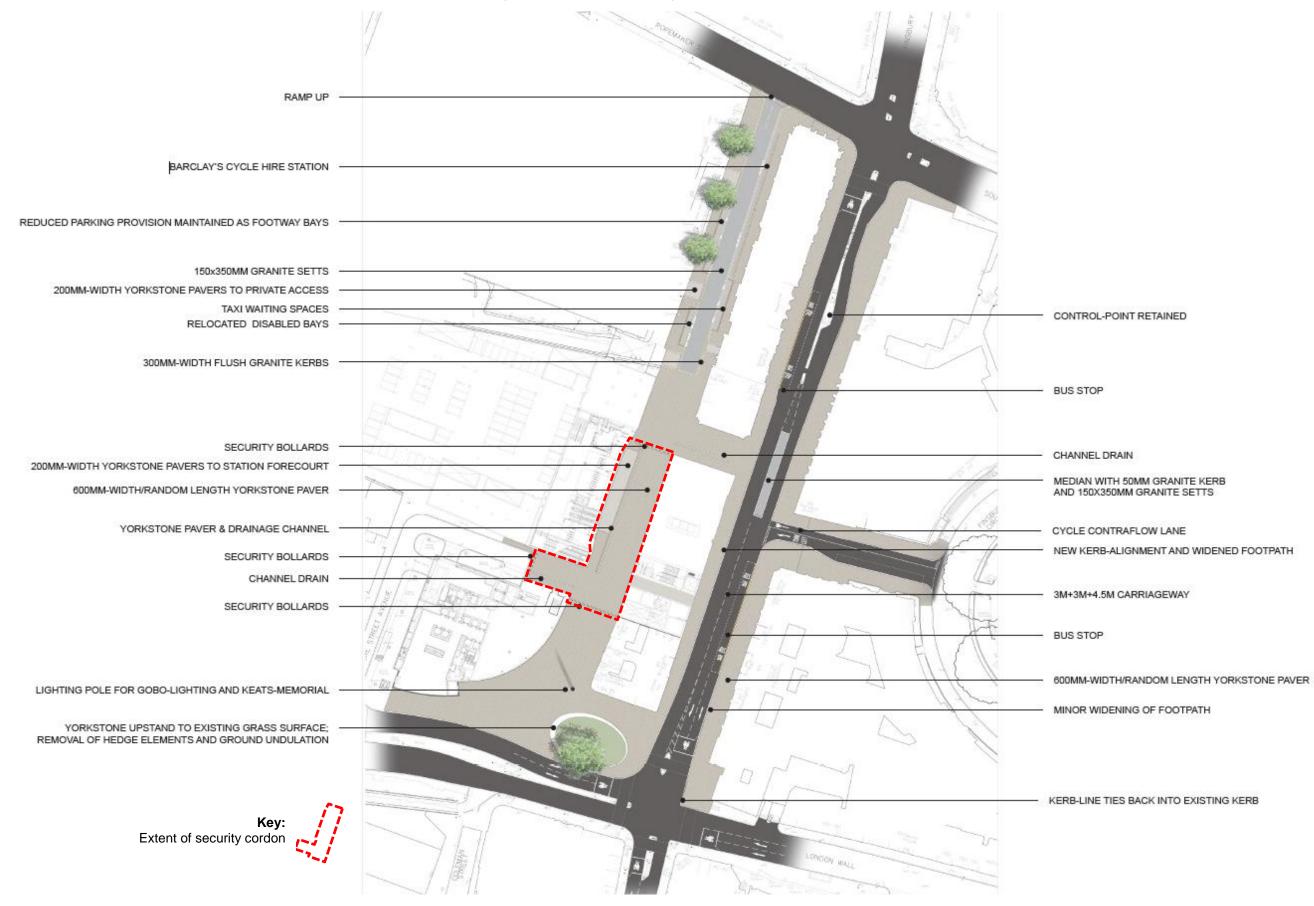


## Option 1 perspectives.



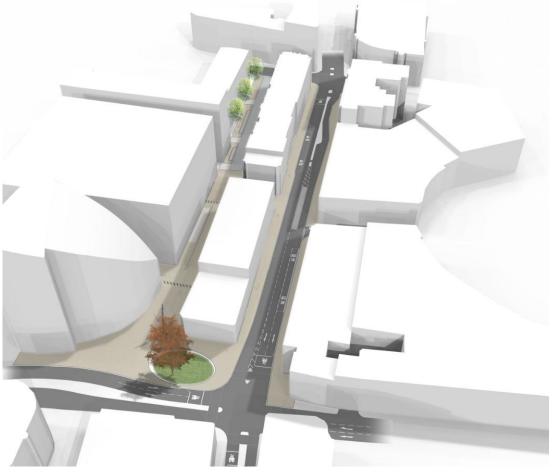


Option 2: Leave Moor Place open but restrict traffic access through Moor Place during peak periods of pedestrian activity.

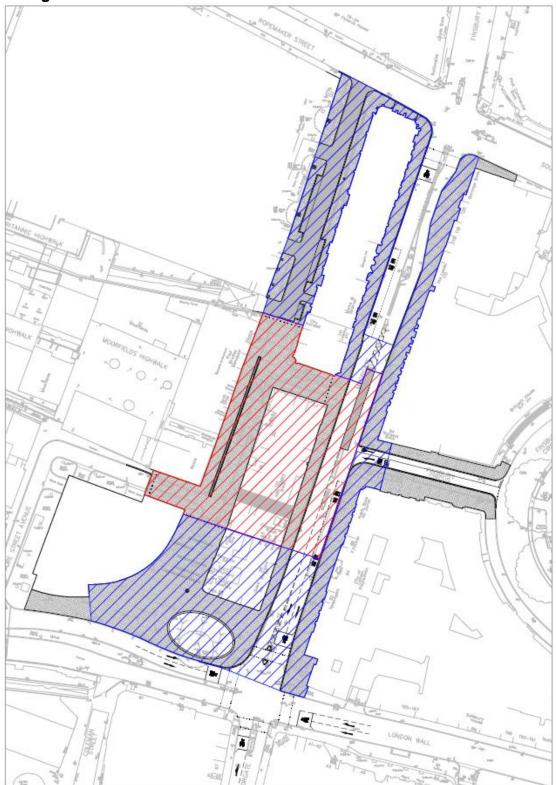


Option 2 perspectives





Appendix 3 – Extent of City and Crossrail interests around the Crossrail Moorgate entrance.



**Red** = Crossrail funded area (comprising of security cordon plus redirected utilities on Moorgate)

**Blue** = Area of primary interest for the city - Gateway 4 (stage 1)

## Appendix 4 - EQIA Stage One: Initial Screening Assessment Form

This should be used once it has been decided that a specific strategy, policy or project requires an initial screening.

Name of strategy, project, policy: Crossrail Moorgate Urban

Integration

**Department:** Built Environment

Officer/s completing assessment: Steve Miles

The s	The strategy, policy or project					
1.	What is the main purpose of the project?	To help mitigate localised effects of an increase in Crossrail passenger numbers on the surrounding urban realm by delivering a set of attractive, safe, integrated environmental enhancement proposals.				
2.	Is the project affected by external drivers for change?	Yes, the project was initiated in order to ensure Crossrail proposals are consistent with the Liverpool Street Area Strategy in time for their Schedule 7 consent in early/mid 2015.				
3.	List the main activities of the project?	Developing a series of enhancements for the remediation of the area covered by Crossrail's Moorgate station entrance work site.				
4.	Who implements the project?	Crossrail				
5.	Who will be affected by the project?	All users of the streets and spaces in the Moorgate/Moorfields/Fore Street Avenue areas.				
6.	What outcome do you want to achieve, why and for whom?	The main outcomes are:  • To provide a safe and attractive environment for the dispersal of both Crossrail and Underground passengers, particularly at times of peak demand.  • To ensure that streets and spaces are inclusive and accessible to all.  There is evidence that the above are required in this area to improve the local environment for the benefit of all users				
7.	Are any other organisations involved?	Yes, the City has been liaising closely with Crossrail, London Underground, Land Securities, Transport for London, City of London police and key façade occupiers along Moorfields.				
8.	Are there any existing assessments or inspections?	No				
9.	Who have you consulted on the project?	Consultation has so far included key City of London officers, Crossrail, London Underground, Land Securities, Transport for London, City of London police and key façade occupiers along Moorfields.				
10.	Who are the main beneficiaries of the policy?	It is intended that all users of the streets and spaces will be beneficiaries.				

The Impact:	Tick the boxes which apply for each 'tar				rget group'			
Equality Target Group	Positive Impact		Neutral   Negative   Impact   Impact		ative	Reason/Comment		
	High	Low		High	Low			
Gender								
Women		X				The proposals are designed to		
Men		X				be used by all, regardless of		
Transgender		X				gender.		
Race								
Asian – Asian Bangladeshi; Asian British; Asian Indian; Asian Pakistani; Asian Other		X						
Black – Black African; Black British; Black Caribbean; Black Other		X				The proposals are designed to be used by all, regardless of		
Chinese		X				ethnicity.		
Irish		X				_		
Mixed – Asian & White; Black & White; Mixed Other		X						
White – White British; White European Union; White Other		X						
Disabled people		V	X			The removal of kerb edges results in positive impacts for wheelchair users by providing more consistent levels between footway and carriageway. However negative impacts may be experienced by the visually impaired given the level difference is used as a reference for where the carriageway begins. The restriction of traffic on Moor Place during periods of peak pedestrian activity will benefit all disabled.  The proposals are designed to		
Lesbians, gay men and bisexuals		X				be used by all, regardless of sexual orientation.		
Older people	X					The removal of kerb edges results in positive impacts for elderly by providing more consistent levels between footway and carriageway.		
Younger people and children	X					The removal of kerb edges results in positive impacts for elderly by providing more consistent levels between footway and carriageway.		

The Impact:	Tick the boxes which apply for each 'target group'						
Equality	Positive		Neutral	Negative		Reason/Comment	
Target Group   Impact		act	Impact	Impact			
	High	Low		High	Low		
Faith groups		X				The proposals are designed to be used by all, regardless of	
					faith.		

Further Action	
Does the policy have a negative impact on any of the equality target groups?  If so, you will need to proceed to Stage 2	Yes
Is the negative impact assessed as being of high significance?  If so, you will need to proceed to Stage 2	No
Is progression to Stage 2: Full Assessment required?	No

Signed (Completing Officer):	
Date:	
Signed (Departmental Equality Champion):	
Date:	

## **Actions Arising from Initial Screening**

Issue	Action Required	Lead Officer	Timescale	Resource Implications	Comments
Lack of tactile confirmation of carriageway extent for visually impaired.	Investigate alternative sources of tactile feedback for the visually impaired.	Steve Miles	Address as part of Gateway 4 Stage 2 detail design.	None	Tactile paving considered best alternative solution to kerbs. There may still be a residual risk that some guide dogs will not detect the carriageway edge.