



Parramatta Light Rail (Stage 1)
Westmead to Carlingford via Parramatta CBD and Camellia

Construction Compliance Report #4

August 2020 – January 2021



Compliance Report Declaration Form


Project Name	Parramatta Light Rail – Stage 1
Project Application Number	SSI 8285
Description of Project	Development for the purpose of the Parramatta Light Rail – Stage 1.
Project Address	Land in the suburbs of Westmead, North Parramatta, Parramatta, Rosehill, Camellia, Rydalmere, Dunas, Telopea, Carlingford, Granville and Clyde.
Proponent	Transport for NSW
Title of Compliance Report	Construction Compliance Report #4 August 2020 to January 2021
Date	23/4/21

I declare that I have reviewed relevant evidence and prepared the contents of the attached Compliance Report and to the best of my knowledge:

- The Compliance Report has been prepared in accordance with all relevant conditions of consent
- The Compliance Report has been prepared in accordance with the Compliance Reporting Post Approval Requirements
- The findings of the Compliance Report are reported truthfully, accurately and completely
- Due diligence and professional judgement have been exercised in preparing the Compliance Report
- The Compliance Report is an accurate summary of the compliance status of the development.

Notes:

- Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years' imprisonment of 200 penalty units, or both).

Name of Authorised Reporting Officer	Poppy Coleman
Title	Director – Safety, Sustainability, Environment and Assurance
Signature	
Qualification	Master's Degree Environmental Management and Sustainability
Company	Transport for NSW
Company Address	130 George Street, Parramatta

Construction Compliance Report #4

August 2020 to January 2021

Parramatta Light Rail – Stage 1 (SSI-8285)

PLR-TFNSW-PJT-EE-RPT-000017

Revision 0

April 2021

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Executive Summary

This Construction Compliance Report #4 documents Transport for NSW and its Contractors' compliance as required by the project's planning approval granted by the Secretary of the NSW Department of Planning, Industry and Environment (the Secretary). This report covers the period from 1 August 2020 to 31 January 2021.

The vast majority of construction activities during the reporting period were undertaken by the Infrastructure Contractor

Onsite environmental performance was generally well managed across the project, fourteen (14) non-compliances were raised during the reporting period, which is a light increase from last reporting period of thirteen (13). During the reporting period the Project received 4 Record Breaches, 2 Warning Letters and a Notice to Furnish Information & Records.

The total number of complaints received during the reporting period increased to 450 compared with the previous reporting period 254. Complaints were dominated by noise and vibration (both day and out-of-hours), which represented 59% of complaints. All but 5 complaints were attributable to project works.

The following table provides a summary of each Construction Package

Construction Package	Ongoing Requirements (non-compliances raised)	Notifiable Incidents	ER Inspections (Issues/opportunities for improvement raised)	Environmental Audit Reports (findings)	Complaints Attributable to Project Works (total complaints received)
Package 1 Road Enabling Works	355 (1)	0	0 (0)	0 (0)	1
Package 2 PLR Westmead Precinct	337 (0)	0	1 (0)	0 (0)	0
Package 3 Early Works Portion 2	266 (1)	0	14 (27)	0 (0)	1
Package 4 Infrastructure Works	449 (9)	3	26 (204)	0 (0)	443
Project Wide TfNSW	140 (3)	0	0 (0)	0 (0)	0
Total	1547 (14)	3	41 (231)	0 (0)	445 (450)
Total from previous report	1547 (13)	3	96 (260)	1 (4)	254 (255)

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Document control

Approval and authorisation

Title	Parramatta Light Rail – Stage 1 Construction Compliance Report #4 August 2020 to January 2021
Document Reference	PLR-TFNSW-PJT-EE-RPT-000017

Version status

Revision	Date	Description	Approval/ Reviewer	Declaration
A	31 March 2021	Compliance report for Internal Review	Environment and Planning Officer	Not Applicable
0	21 April 2021	Compliance report for Submission	Senior Environment Manager	Director – Safety, Sustainability, Environment and Assurance

Glossary / Abbreviations

Abbreviation	Expanded text
AA*	The Acoustics Advisor for the CSSI.
Active Transport Link*	An active transport link (pedestrian and cycling) connecting Carlingford to the Parramatta Valley Cycleway at Rydalmere, with bridge crossings at Parramatta River and James Ruse Drive, and ending at Alfred Street, Parramatta
Ancillary facility*	A temporary facility for construction of the project including an office and amenities compound, construction compound, material crushing and screening plant, materials storage compound, maintenance workshop, testing laboratory, material stockpile area car parking compound and truck marshalling facility.
Annoying activities*	As defined in the <i>Interim Construction Noise Guideline (DECC, 2009)</i>
CCR	Construction Compliance Report
CEMP*	Construction Environmental Management Plan
CoA	The Planning Minister's conditions of approval
Completion of construction*	The date upon which all construction works and activities described in the EIS/Submissions Report (incorporating Preferred Infrastructure Report) are completed and all requirements of the Secretary (if any) and the whole of the CSSI has been constructed to the appropriate standard for operation
Construction*	<p>Includes all works required to construct the CSSI as described in the EIS/Submissions Report (incorporating Preferred Infrastructure Report), including commissioning trials of equipment and temporary use of part of the CSSI, but excluding the following low impact work:</p> <ul style="list-style-type: none"> (a) survey works including carrying out general alignment survey, installing survey controls (including installation of global positioning system (GPS)), installing repeater stations, carrying out surveys of existing and future utilities and building and road dilapidation surveys; (b) investigations including investigative drilling, contamination investigations and excavation; (c) establishment of ancillary facilities in approved locations including constructing ancillary facility access roads and providing utilities to the facility; (d) operation of ancillary facilities if the ER has determined the operational activities will have minimal impact on the environment and community; (e) minor clearing and relocation of native vegetation, as identified in the EIS/Submissions Report (incorporating Preferred Infrastructure Report); (f) installation of mitigation measures including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments; (g) property acquisition adjustment works including installation of property fencing, and relocation and adjustments of property utility connections including water supply and electricity; (h) relocation and connection of utilities where the relocation or connection has a minor impact to the environment as determined by the ER; (i) reconfiguration of Robin Thomas Reserve for the purposes of maintaining two sports playing fields; (j) archaeological testing under the <i>Code of practice for archaeological</i>

Abbreviation	Expanded text
	<p><i>investigation of Aboriginal objects in NSW (DECCW, 2010), archaeological investigations to inform design or archaeological monitoring undertaken in association with [a]-[i] above to ensure that there is no impact to heritage items;</i></p> <p>(k) other activities determined by the ER to have minimal environmental impact which may include construction of minor access roads, temporary relocation of pedestrian and cycle paths and the provision of property access including access and egress to construction ancillary facilities; and</p> <p>(l) maintenance of existing buildings and structures required to facilitate the carrying out of the CSSI.</p> <p>However, where heritage items, or threatened species, populations or ecological communities (within the meaning of the <i>Biodiversity Conservation Act 2016</i>) are affected or potentially affected by any low impact work, that work is construction, unless otherwise determined by the Secretary in consultation with OEH or DPI Fisheries (in the case of impact upon fish, aquatic invertebrates or marine vegetation).</p> <p>Construction does not include site establishment works where such works are included as part of a Site Establishment Management Plan approved under Condition C18.</p>
CSSI*	The Critical State Significant Infrastructure as described in Schedule 1 of this approval, the carrying out of which is approved under the terms of this approval.
CSSI, the	Parramatta Light Rail – Stage 1 (Westmead to Carlingford)
CTP	Compliance Tracking Program
Department*	NSW Department of Planning and Environment
DECC*	Former NSW Department of Environment and Climate Change
DPIE	NSW Department of Planning, Industry and Environment (formerly DPE – NSW Department of Planning and Environment)
DoI*	NSW Department of Industry
DPI*	NSW Department of Primary Industries including DPI Agriculture, DPI Biosecurity and Food Safety, DPI Land and Natural Resources, DoI Water and DPI Fisheries
Eat Street*	That section of Church Street between Palmer and George streets.
EIS*	The Environmental Impact Statement submitted to the Secretary seeking approval to carry out the project described in it, as revised if required by the Secretary under the EP&A Act and including any additional information provided by the Proponent in support of the application for approval of the project.
EMS*	Environmental Management System
Environmental Representative Protocol*	The document of the same title published by the Department (2017)
EP&A Act*	<i>Environmental Planning and Assessment Act 1979 (NSW)</i>
EPA*	NSW Environment Protection Authority
EPL*	Environment Protection Licence under the POEO Act

Abbreviation	Expanded text
ER*	The Environmental Representative for the CSSI
Heritage Division*	The Heritage Division of OEH
Heritage item*	A place, building, work, relic, archaeological site, tree, movable object or precinct of heritage significance, that is listed under one or more of the following registers: the State Heritage Register under the <i>Heritage Act 1977</i> (NSW), a state agency heritage and conservation register under section 170 of the <i>Heritage Act 1977</i> (NSW), a Local Environmental Plan under the EP&A Act, the World, National or Commonwealth Heritage lists under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth), and an “Aboriginal object” or “Aboriginal place” as defined in section 5 of the <i>National Parks and Wildlife Act 1974</i> (NSW).
Highly Noise Intensive Works*	Rock breaking, rock hammering, sheet piling, pile driving and any similar activity
ICNG*	<i>Interim Construction Noise Guideline</i> (DECC, 2009)
Incident*	An occurrence or set of circumstances that causes, or threatens to cause material harm. <i>Note: “material harm” is defined in this approval.</i>
Land*	Has the same meaning as the definition of the term in section 1.4 the EP&A Act
Landowner*	Has the same meaning as “owner” in the <i>Local Government Act 1993</i> and in relation to a building means the owner of the building
Material harm*	Is harm that: (a) involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or (b) results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment).
Minister*	NSW Minister for Planning
NCA*	Noise catchment area
NML*	Noise management level as derived from the <i>Interim Construction Noise Guideline</i> (DECC, 2009)
Non-compliance*	An occurrence, set of circumstances or development that is a breach of this approval but is not an incident.
NSW Heritage Council*	Heritage Council of NSW
OEH*	NSW Office of Environment and Heritage
OEMP*	Operational Environmental Management Plan
Operation*	The carrying out of the CSSI (whether in full or in part) upon the completion of construction for the applicable stage (if any), excluding the following activities: <ul style="list-style-type: none"> • commissioning trials of equipment; • temporary use of any part of the CSSI; and • maintenance works. <i>Note: There may be overlap between the carrying out of construction and</i>

Abbreviation	Expanded text
	<i>operation if the phases are staged. Commissioning trials of equipment and temporary use of any part of the CSSI are within the definition of construction.</i>
Parramatta Strategic Planning Framework*	Planning policies developed by City of Parramatta Council (in consultation with Government Architect NSW) including the Parramatta Strategic Framework, Parramatta City Link Strategy, and Parramatta River Strategy.
PCCR	Pre-Construction Compliance Report
PIR*	The Preferred Infrastructure Report submitted to the Secretary under the EP&A Act (referred to as part of the Submissions Report (including Preferred Infrastructure Report)).
Planning Approval	The Planning Approval includes the Conditions of Approval, the EIS and the Submissions and Preferred Infrastructure Report
PLR	Parramatta Light Rail (Stage 1)
POEO Act*	<i>Protection of the Environment Operations Act 1997</i> (NSW)
Precinct*	The precincts of Westmead; Parramatta North; Parramatta CBD; Rosehill and Camellia; and Carlingford as described in the EIS and illustrated in Figures 5.2a to 5.2h of Volume 1
Proponent*	The person identified as such in Schedule 1 of this approval
Relevant Council(s)*	Any or all as relevant: <ul style="list-style-type: none"> • City of Parramatta; and • Cumberland Council
Relevant Road Authority*	The same meaning as the road authorities defined in the <i>Roads Act 1993</i> .
Relic*	Has the same meaning as the definition of the term in section 4 of the <i>Heritage Act 1977</i> (NSW)
REMMMs	Revised Environmental Management and Mitigation Measures
RMS*	NSW Roads and Maritime Services
Secretary*	Secretary of the NSW Department of Planning and Environment (or nominee, whether nominated before or after the date on which this approval was granted)
Sensitive receiver*	Includes residences, temporary accommodation such as caravan parks and camping grounds, and health care facilities (including nursing homes, hospitals). Also includes the following, when in use: educational institutions (including preschools, schools, universities, TAFE colleges), religious facilities (including churches), child care centres, passive recreation areas, commercial premises (including film and television studios, research facilities, entertainment spaces, restaurants, office premises and retail spaces), and others as identified by the Secretary
SES*	NSW State Emergency Services
SOM	Supply, Operate and Maintain
Submissions Report*	The report comprising the Proponent's response to written submissions received in relation to the application for approval for the CSSI under the EP&A Act. The Proponent has prepared a Submissions Report (incorporating the Preferred Infrastructure Report) for the CSSI

Abbreviation	Expanded text
TfNSW	Transport for NSW (the Proponent)
TMC*	Transport Management Centre for NSW
Tree*	As defined in Australian Standard AS 4970-2009 <i>Protection of trees on development sites</i> .
Unexpected heritage find*	An object or place that is discovered during the carrying out of the CSSI and which may be a heritage item but was not identified in the documents referred to in Condition A1 or suspected to be present. An unexpected heritage find does not include human remains.
Work*	All physical work for the purpose of the CSSI including construction

* As defined in the infrastructure Approval

Where reference in the planning approval, this document and consultation has been made to OEHS it should be noted that it has been abolished from 1 July 2019. The Environment section is construed as a reference to Department of Planning, Industry and Environment and the Heritage component is construed as a reference to Department of Premier and Cabinet (DPC).

Where reference in the planning approval/ this document and consultation has been made to DPE it should be noted that it has been abolished from 1 July 2019. References made to the Department of Planning and Environment is construed as a reference to the Department of Planning, Industry and Environment.

1 Introduction

1.1 Context

This Construction compliance report (CCR) has been prepared for Parramatta Light Rail (Stage 1) (the CSSI). The Staging Report (PLR-TFNSW-CBD-PE-RPT-000001) describes the staging of the delivery and operation of the CSSI in compliance with the requirements of the Infrastructure Approval SSI 8285.

Condition of Approval (CoA) A37 of the PLR Infrastructure approval requires that the CCR must be prepared and submitted to the Secretary for information every six months from the date of commencement of construction for the stage and package of works to which the report applies. The CCR is to be made publicly available by TfNSW in accordance with A33.

1.2 Purpose of this report

The purpose of this CCR is to address the requirements of CoA A37 of the PLR Infrastructure approval. This CCR has been prepared in accordance with the Project Compliance Tracking Program (CTP). The CTP was issued to Department of Environment, Industry and Planning (DPIE) by Transport for NSW (TfNSW) on 6 December 2018 and subsequently updated and resubmitted on 16 October 2019.

This is issue number four (4) of the six-monthly CCR. Subsequent six-monthly CCRs will continue to be prepared and submitted subsequently to this CCR. The Contractors and Transport for NSW are jointly responsible for compliance with the project conditions of approval and other requirements. As identified in the Staging Report (PLR-TFNSW-CBD-PE-RPT-000001), this CCR will be submitted every 6 calendar months (for example February to July / August to January) for all active packages.

In this reporting period the following Packages are approved for Construction:

- Package 1 – Road Enabling Works
- Package 2 – PLR Westmead Precinct Works
 - Activity A Hawkesbury Road Widening
 - Activity B Cumberland Hospital (East Campus) Demolition
 - Activity C Cumberland Hospital (West Campus) Demolition
- Package 3 – Portion 2 Early Works
- Package 4 – Infrastructure Works

CCR Number 4 is the fourth construction compliance report for the construction phase and reports on the fourth period of construction for the CSSI (August 2020 to January 2021). The requirements of the construction compliance related CoA are listed in Table 1-1, together with a cross-reference to where the requirements are addressed in this CCR.

Table 1-1 Conditions applicable to the Construction Compliance Report

CoA No.	Condition Requirements	Document reference	How Addressed
A34	Construction Compliance Reports must be prepared	This document	This construction compliance report has been prepared to address this condition.

CoA No.	Condition Requirements	Document reference	How Addressed
A34	and submitted to the Secretary for information every six (6) months from the date of construction for the duration of construction.	Section 1.2	This Report will be written every six calendar months as per the Staging Report. The Report will be submitted to the Secretary for information.
A34	The Construction Compliance Reports must include: (a) A results summary and analysis of environmental monitoring	Section 2.4	Environmental monitoring results for this reporting period are discussed in Section 2.4.
A34	(b) The number of complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints	Section 2.3	Complaints received within this reporting period are discussed in Section 2.3.
A34	(c) Details of any review of, and minor amendments made to, the CEMP as a result of construction carried out during the reporting period	Section 3.3	Reporting on the CEMP and any minor amendments undertaken during this reporting period is discussed in Section 3.3.
A34	(d) A register of any reviews of consistency undertaken including outcome	Section 3.4	A register of consistency reviews undertaken during this reporting period is discussed in Section 3.4.
A34	(e) Results of any independent environmental audits and details of any actions taken in response to the recommendations of an audit	Section 2.5	Results of independent environmental audits and actions taken during this reporting period are discussed in Section 2.5.
A34	(f) A summary of all incidents notified in accordance with Conditions A44 and A46 of this approval	Section 2.6	Notifiable incidents for this reporting period are discussed in Section 2.6.
A34	(g) Any other matter relating to compliance with the terms of this approval or as requested by the Secretary	Section 4 Business monitoring (under CoA E110)	Results from business monitoring required under Condition E110 is provided for this reporting period in Section 4.

A brief overview of the project is provided in Table 1-2.

There were no Pre-Construction Compliance Report's (PCCR) submitted to the Secretary during the reporting period:

Table 1-2 Parramatta Light Rail overview

Project Name	Parramatta Light Rail – Stage 1
Project Application Number	SSI 8285
Site Address	Land in the suburbs of Westmead, North Parramatta, Parramatta, Rosehill, Camellia, Rydalmere, Dunas, Telopea, Carlingford, Granville and Clyde.
Name of Compliance Report	Construction Compliance Report – CCR Number 4
Dates covered by this Report	August 2020 to January 2021
Summary of project activities that occurred during the reporting period	Completion of road enabling works in Westmead, Parramatta CBD and North Parramatta and continuing the main infrastructure construction along the alignment.

1.3 Background and Parramatta Light Rail project description

Parramatta Light Rail is one of the NSW Government's major infrastructure projects being delivered to serve a growing Sydney.

Parramatta Light Rail Stage 1 ('the CSSI') will connect Westmead to Carlingford via Parramatta Central Business District (CBD) and Camellia. The CSSI is expected to be operational in 2023.

The project will create new communities, connect great places and help both local residents and visitors move around and explore what the region has to offer. The route will link Parramatta's CBD and train station to a number of key locations, including the Westmead Precinct, the Cumberland Hospital Precinct, Bankwest Stadium, the Camellia Town Centre, the Parramatta Powerhouse and Riverside Theatre arts and cultural precinct, the private and social housing redevelopment at Telopea, the Rosehill Gardens Racecourse and the three Western Sydney University campuses.

In summary, the key features of the project include:

- A new dual track light rail network of approximately twelve (12) kilometres in length, including approximately seven (7) kilometres within the existing road corridor and approximately five (5) kilometres within the existing Carlingford Line and Sandown Line, replacing current heavy rail services
- Sixteen (16) stops that are fully accessible and integrated into the urban environment including a terminus stop at each end of Westmead and Carlingford
- High frequency 'turn-up-and-go' services operating seven days a week from 5am to 1am. Weekday services will operate approximately every 7.5 minutes in the peak period between 7am and 7pm
- Modern and comfortable air-conditioned light rail vehicles, nominally 45 metres long and driver-operated, each carrying up to 300 passengers.
- Intermodal interchanges with existing public transport services at Westmead terminus, Parramatta CBD and the Carlingford terminus

- Creation of two light rail and pedestrian zones (no general vehicle access) within the Parramatta CBD along Church Street (generally between Market Street and Macquarie Street) and along Macquarie Street (generally between Horwood Place and Smith Street)
- A Stabling and Maintenance (SaM) Facility located in Camellia for light rail vehicles to be stabled, cleaned and maintained
- New bridge structures along the alignment including over James Ruse Drive and Clay Cliff Creek, Parramatta River (near the Cumberland Hospital), Kissing Point Road and Vineyard Creek, Rydalmere
- Alterations to the existing road network including line marking, additional traffic lanes and turning lanes, new traffic signals, and changes to traffic flows
- Relocation and protection of existing utilities
- Public domain and urban design works along the corridor and at Stop precincts
- Closure of the heavy rail line between Carlingford and Clyde
- Active transport corridors and additional urban design features along sections of the alignment and within Stop precincts
- Integration with the Opal Electronic Ticketing System (ETS)
- Real time information in light rail vehicles and at Stops via visual displays and audio.

An overview of Parramatta Light Rail route is shown in **Figure 1-1**.



Figure 1-1: Parramatta Light Rail Route

1.3.1 Statutory Context

The Parramatta Light Rail is subject to environmental impact assessment under the *Environmental Planning and Assessment Act 1979* (EP&A Act). It is classified as Critical State Significant Infrastructure (CSSI).

Detailed environmental impact assessments have been carried out and approved by the Minister for Planning. The Planning Approval for the project is described in Section 1.3.2 below.

1.3.2 Parramatta Light Rail Planning Approval

The Environmental Impact Statement (EIS) assessed impacts for Parramatta Light Rail Stage 1 (Westmead to Carlingford). This covered the light rail and associated works including road enabling work. It was approved by the Minister for Planning on 29 May 2018. The Infrastructure Approval was subsequently modified under Section 5.25 of the EP&A Act on 21 December 2018 (MOD 1) and 25 January 2019 (MOD 2).

The planning approval (Infrastructure approval SSI 8285) and related environmental assessment documents are located at Department of Planning's Major Projects website:

http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=8285



Figure 1-2 Aerial image taken of Westmead overlooking Hawkesbury Road (Transport for NSW, August 2020)

1.4 Project Staging

Transport for NSW has elected to stage the Parramatta Light Rail (Stage 1) in accordance with CoA A13. The stages are described in detail in the Parramatta Light Rail Staging Report (PLR-TFNSW-CBD-PE-RPT-000001) and summarised in Table 1-3.

Table 1-3 Project staging

Stage	Package	Contractor	Project location	Description
Enabling Stage	1 – Road Enabling Works	Diona Ward Joint Venture	O'Connell Street, North Parramatta and George Street, Parramatta	Specific local road network improvements and adjustments to maintain performance of the local road network during the light rail construction period and during light rail operations. These works focus in particular on increasing the capacity of O'Connell Street and George Street to accommodate the loss of capacity on Church Street and Macquarie Street.
Enabling Stage	2A – Hawkesbury Road Widening	Health Infrastructure (Ford Civil Contractors)	Hawkesbury Road, Westmead	The widening of the north-western side of Hawkesbury Road including piling to accommodate for future NSW Health development, within Westmead Hospital land.
Enabling Stage	2B – Cumberland Hospital (East Campus) demolition	Health Infrastructure (Renascent)	Cumberland Hospital (East Campus) Fleet Street, North Parramatta	Demolition of buildings within the Cumberland Hospital (East Campus) area.
Enabling Stage	2C – Cumberland Hospital (West Campus) demolition	Health Infrastructure (Donnelley Constructions)	Cumberland Hospital (West Campus) Hainsworth Street, Westmead	Demolition of buildings within the Cumberland Hospital (West Campus) area.
Enabling Stage	3 – Early Works Portion 2	Ventia	6-8 Grand Avenue, Camellia	Remediation (capping) of the site at 6-8 Grand Avenue, Camellia. This is the allocated site for the Stabling and Maintenance (SaM) Facility.
Infrastructure Delivery	4 – Infrastructure	Parramatta Connect (formerly known as CPBD Joint Venture)	Land in the suburbs of Westmead, North Parramatta, Parramatta, Rosehill, Camellia, Rydalmere, Dunas, Telopea, Carlingford, Granville and Clyde.	Design and construction of civil works, public domain and light rail infrastructure up to road level / top of rail and to the top of the concrete slab at Stops, including provision of all Utility Services (excluding high-voltage power supply and cabling for rail systems),

Stage	Package	Contractor	Project location	Description
				and decommissioning of the Carlingford T6 Line.
Supply, Operation & Maintain (SOM)	5 – Supply, Operation & Maintain	Great River City Light Rail Consortium	Land in the suburbs of Westmead, North Parramatta, Parramatta, Rosehill, Camellia, Rydalmere, Dunas, Telopea, Carlingford, Granville and Clyde.	Design and construction of light rail systems, high-voltage power supply and Stops above slab level, the supply of LRVs, the design and construction of the SaM Facility, including all light rail operations, customer service and asset management.

1.5 Approval documentation

Documentation relevant to the CSSI CCR includes:

- Parramatta Light Rail (Stage 1) Environmental Impact Statement (EIS) (Transport for NSW 2017)
- Parramatta Light Rail (Stage 1) Submissions and Preferred Infrastructure Report (SPIR) (Transport for NSW 2018)
- Infrastructure Approval SSI-8285 (approved by the Minister for Planning on 29 May 2018).
- Infrastructure Approval Modification SSI-8285 (approved by the Delegate to Minister for Planning on 21 December 2018).
- Infrastructure Approval Modification SSI-8285 (approved by the Delegate to Minister for Planning on 25 January 2019).



Figure 1-3 Aerial image of construction occurring in the former T6 Corridor at Camellia (Transport for NSW, November 2020)



Figure 1-4 Aerial image of construction works at Robin Thomas Reserve along Harris Street (Transport for NSW, November 2020)

2 Project status update

2.1 Project activities

2.1.1 Overview

Project works are proceeding generally in accordance with the construction program.

The commencement date for the Project was 26 March 2019. Table 2-1 summaries the status of each of the Packages for the reporting period.

Table 2-1 Status of Construction Packages during the reporting period

Package	Contractor	Status
1 – Road Enabling Works	Diona Ward Joint Venture	Construction* commenced 26 March 2019 On hold during the reporting period, with construction works re-commencing on 27 January 2021.
2A – Hawkesbury Road Widening	Health Infrastructure (Ford Civil Contractors)	Construction* commenced 15 August 2019 Construction completed 1 June 2020
2B – Cumberland Hospital (East Campus) demolition	Health Infrastructure (Renascent)	Construction* commenced 19 February 2020 Construction completed 11 June 2020
2C – Cumberland Hospital (West Campus) demolition	Health Infrastructure (Donnelley Constructions)	Construction* commenced 19 February 2020. Construction was on hold from February 2020 and re-commenced in December 2020. Construction completed 22 December 2020
3 – Early Works Portion 2	Ventia	Construction* commenced 26 September 2019
4 – Infrastructure	Parramatta Connect	Construction* commenced 5 January 2020
5 – Supply, Operation & Maintain	Great River City Light Rail Consortium	Minimal low impact works during reporting period.

* Refer to the definition of 'Construction' in the glossary in accordance with the Conditions of Approval as issued by the Secretary.

2.2 Previous Report actions

There was one Independent Audits undertaken during the previous reporting period (Feb 2020-July 2020). There were no open actions from the previous Construction Compliance Report (#3) that remain open in this reporting period (for both the Independent audits and incidents/non-conformances).

2.3 Complaints

The project received a total of 450 complaints during the reporting period. Of these, 445 complaints were determined to be attributable to project works following investigation.

Complaints during the reporting period were heavily dominated by Noise and Vibration, representing 54% of all complaints attributable to project works (refer to Figure 2-1). Air Quality (9%) represented the next highest level of complaints attributable to project works. Where

complaints had more than one type (e.g. Noise & Vibration and Air Quality), this was counted for both types.

The Infrastructure contractor generated the majority of complaints (98.4% of all complaints attributable to project works). Of these, 264 were Noise & Vibration related (representing 54% of all complaints attributable to the project). It is noted that various Noise & Vibrations complaints were received for day work and can likely be attributed to COVID-19 changing residential receiver's work location (i.e. working from home).

The breakdown of the complaints for each contractor is shown in Figure 2-2. In summary there were:

- One (1) complaint against the Road Enabling contractor
- Zero (0) complaints against the Westmead Precinct contractors
- One (1) complaints against the Early Works contractor
- Four hundred and forty five (445) complaints against the Infrastructure contractor
- Zero (0) complaints directly attributed to TfNSW
- Zero (0) complaint not able to be attributed to a Contractor
- Five (5) complaints which were not relevant to the Project.

Works at the North Parramatta Precinct generated the most number of complaints during the reporting period (145) representing 32% of all complaints attributable to the project).

Complaints have been actioned and resolved in accordance with the Complaints Management System. There are no matters which are currently subject to independent mediation. A copy of the complaint register is provided to the Department daily.

A number of strategies were adopted by Infrastructure Contractors to reduce the recurrence of complaints including:

- Regular engagement with stakeholders to establish expectation on the program of works including Out of Hours Works.
- Prompt investigation of complaints and response to stakeholders
- Development of resident-specific solutions in response to noise complaints including moulded earplugs, noise cancelling headphones, supermarket vouchers and alternative accommodation.
- Regular delivery of toolbox training to the workforce within the theme of 'Be a Good Neighbour'

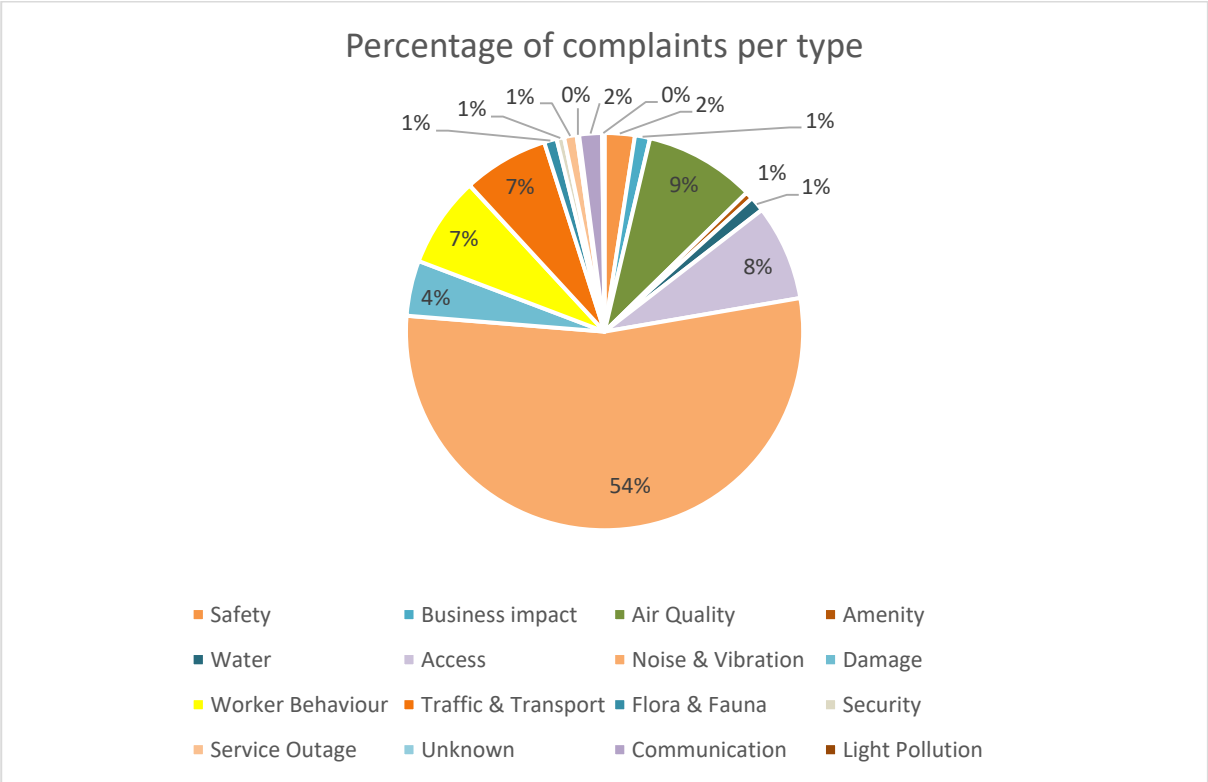


Figure 2-1 Percentage of total complaints for the project by type of complaint

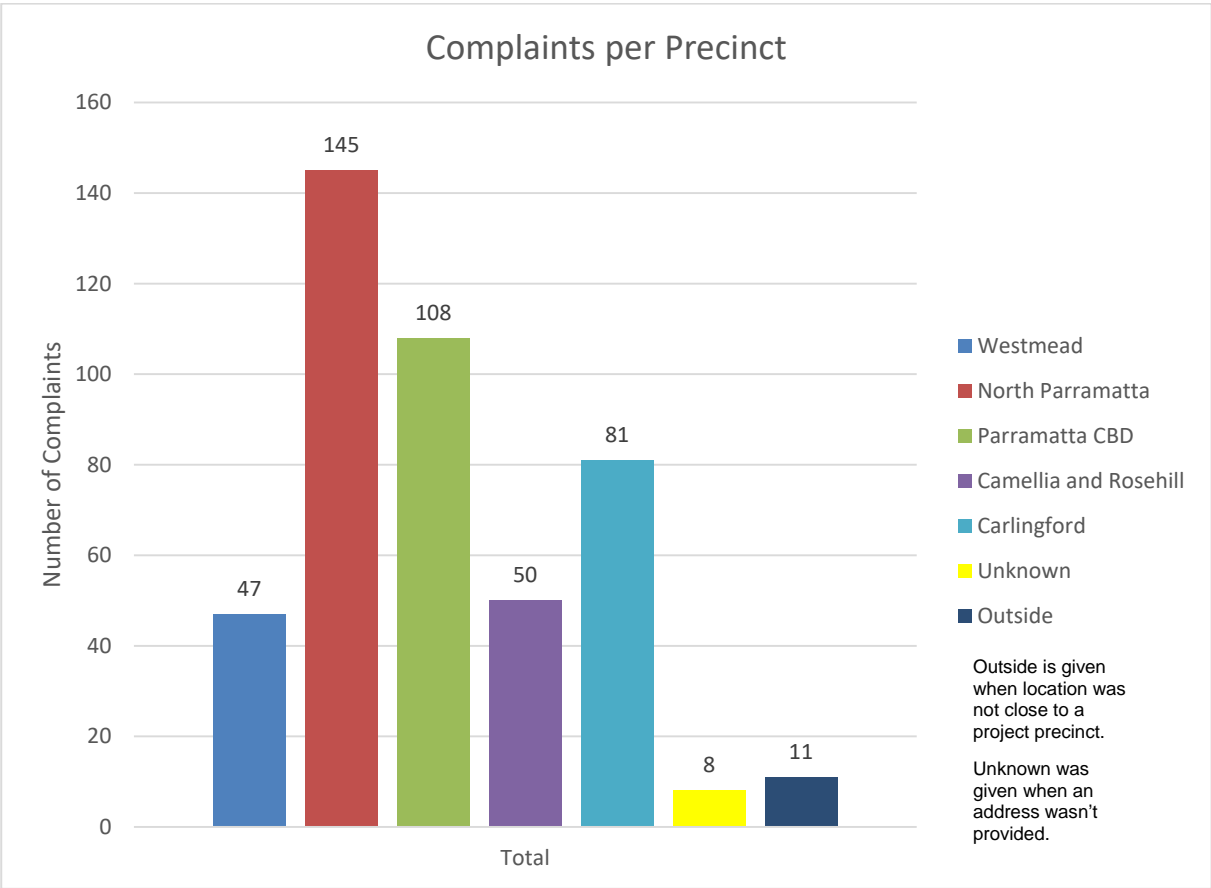


Figure 2-2 Total complaints per precinct for each Contractor

Survey results from business monitoring during the reporting period is provided in Section 4 in accordance with the Business Activation Plan required under CoA E110.

2.4 Environmental monitoring

Environmental monitoring is used to review potential environmental risks caused by project activity. It allows the project to assess and evaluate receiving environment trends and ensure installed controls are appropriate and effective.

A range of environmental monitoring is required by the CoA throughout the duration of construction of the project. These measures are listed in the CEMP. The results of the monitoring programs are described in this section.

2.4.1 Water quality (turbidity) monitoring

This condition is not triggered for Stage 1 (Packages 1 to 3) of the CSSI. Water quality monitoring was undertaken by Package 4 during the reporting period.

In accordance with the Package 4 Infrastructure Construction Soil and Water a Management Plan, construction-phase surface water quality monitoring is undertaken quarterly and after wet-weather (exceeding 20 mm in 24 hours) events during the reporting period. A summary of the key parameter results is provided in Table 2-2.

Table 2-2 Results Summary of Water Quality (Turbidity) Monitoring Parameters during the Reporting Period

Location	Average Acidity (pH)	Average Electrical Conductivity ($\mu\text{S}/\text{cm}$)	Average Turbidity (Nephelometric Turbidity Unit)
A'becketts Creek (AC1)	7.88	940.5	14.75
A'becketts Creek (AC2)	7.79	941	23.05
Clay Cliff Creek (CC1)	8.35	927.33	21.93
Clay Cliff Creek (CC2)	8.28	1840	24.1
Domain Creek (DC1)	7.79	283	7.73
Parramatta River (PC1)	7.91	333	10.7
Parramatta River (PC3)	7.71	330	14.73
Parramatta River (PC4)	7.98	326.7	16.5
Parramatta River (PC5)	7.73	13666.7	9.67
Parramatta River (PC6)	7.6	12135	14.47
Subiaco Creek (SC1)	7.77	779	16.97
Vineyard Creek (VC1)	7.90	286.33	25.1
Vineyard Creek (VC2)	7.61	468.5	52.97

Of the 39 monitoring results that were obtained during the reporting period for each of the parameters presented in Table 2-2:

- One (1) acidity result was greater than the trigger value in the water quality program
- Zero (0) electrical conductivity results were greater than the trigger value
- Three (3) turbidity results were greater than the trigger value.

Where trigger levels were exceeded and the downstream result varies by 20% or more from the upstream control sample, further investigation was undertaken to determine if the result was attributed to construction activities. During the reporting period, monitoring did not identify any significant adverse impacts as a result of the Package 4 construction work.

2.4.2 Noise monitoring

During the reporting period, 107 monitoring events were undertaken by Package 4 in accordance with condition C16 requirement and there were no exceedances of predicted values from construction works. Of the 107 monitoring events:

- Forty-nine (49) events conducted during standard hours
- Nineteen (19) events conducted during Out of Hours Period 1
- Thirty-four (34) events conducted during Out of Hours Period 2.

Five events were undertaken for plant noise level check monitoring and conducted in standard hours. The focus of the noise monitoring is confirming predicted noise levels and monitoring in accordance with the relevant Noise and Vibration Monitoring Program.

Noise and Vibration Monitoring for Package 3 was undertaken from September to November during the Reporting Period in accordance with the Contractor's Construction Noise and Vibration Noise Monitoring Program. No noise exceedances were identified.

2.4.3 Vibration monitoring

In accordance with CoA C16 and EPL Condition M2.4, Package 4 conducted vibration monitoring to assess the impact of construction works on structures and human comfort. The results of the monitoring were compared against predicted values detailed in the Construction Noise and Vibration Impact Statement. The predicted construction vibration impacts were assessed in each Construction Noise and Vibration Impact Statement (CNVIS) and endorsed by the Acoustic Advisor. Package 4 conducted 73 vibration monitoring events during the reporting period with no exceedances of predicted values. Of the 73 monitoring events:

- Fifty-nine (59) were conducted in standard hours
- Four (4) conducted during Out of Hours Period 1
- Seven (7) conducted during Out of Hours Period 2.

During the reporting period, unattended vibration monitoring occurred at Westmead Hospitals, there were 11 noise and two vibration alerts arising from construction work. Each of the noise alerts was within 5dBA of the NML and as such were not defined as a non-compliance.

Noise and Vibration Monitoring for Package 3 was undertaken from September to November during the Reporting Period in accordance with the Contractor's Construction Noise and Vibration Noise Monitoring Program. All vibration levels taken during the monitoring period were compliant with the most stringent structural damage criteria of 15mm/s.

2.4.4 Grey-headed Flying-fox monitoring

Grey-headed Flying-fox monitoring was completed on six occasions during the reporting period. The monitoring results are presented in Figure 2-3. The monitoring occurred on:

- 21 August 2020 (PLR-TFNSW-PJT-BI-RPT-000015). Report dated 14 September 2020.
- 21 September 2020 (PLR-TFNSW-PJT-BI-RPT-000016). Report dated 9 October 2020.
- 30 October 2020 (PLR-TFNSW-PJT-BI-RPT-000017). Report dated 19 November 2020.
- 19 November 2020 (PLR-TFNSW-PJT-BI-RPT-000018). Report dated 2 December 2020.
- 18 December 2020 (PLR-TFNSW-PJT-BI-RPT-000019). Report dated 11 January 2021.
- 27 January 2021 (PLR-TFNSW-PJT-BI-RPT-000020). Report dated 1 February 2021.

The control camps at Gladesville and Clyde are monitored quarterly. The data for these two camps was obtained in October 2020 and January 2021

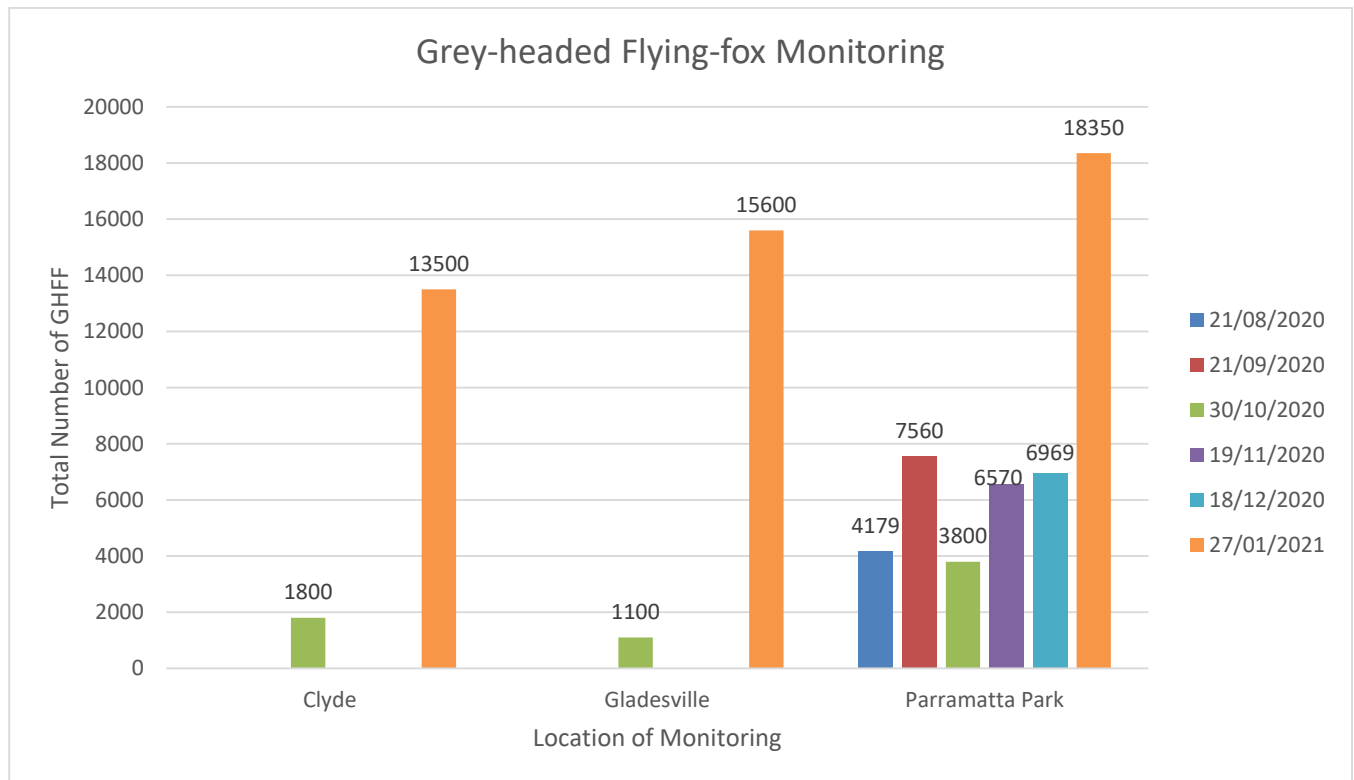


Figure 2-3 Grey-headed Flying-fox monitoring results for the reporting period

The Grey-headed Flying-fox monitoring has been compared to the baseline and historical data on Parramatta Park. The total number of Grey-headed Flying-foxes counted showed a decline during and towards the winter months with an upwards spike in January, however this winter decline is consistent with the baseline monitoring data (Figure 2-4) and behaviour of the Grey-headed Flying-fox of migrating north in winter.

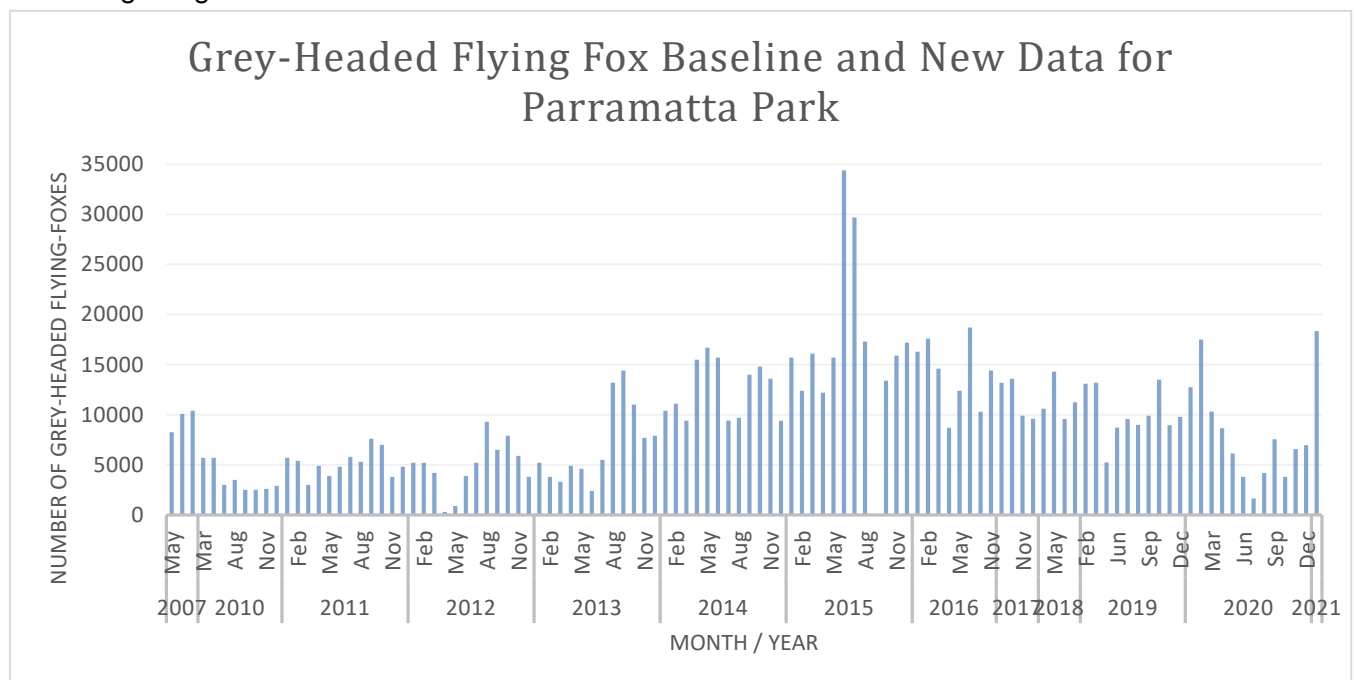


Figure 2-4 Grey-headed Flying-fox monitoring results for the reporting period against baseline and historical data (Source: Royal Botanical Gardens Martin J 2018 & Smith A 2018; NFFMP; TfNSW and Ecosure 2019, 2020, 2021)

2.4.5 Other

Reported Heritage Finds during the reporting period are identified in Table 2-3. There were three reported Heritage Finds during the reporting period. There was also one reported Heritage Find from the previous reporting period (#3) which was erroneously missed from the report and reported here for completeness.

Table 2-3 Reported Heritage Finds during the reporting period

Reported	How	Package	Details	Location
20 August 2020	s146 Heritage Division	Package 4 – Infrastructure Works	Archaeological relics relating to 1790s military barracks and subsequent 19 th century development at Robin Thomas Reserve	Robin Thomas Reserve
20 August 2020	s146 Heritage Division	Package 4 – Infrastructure Works	Archaeological relics relating to the 1820s military barracks and subsequent 19 th century use as an asylum.	George Street North (near to Queens Wharf Reserve)
20 August 2020	s146 Heritage Division	Package 4 – Infrastructure Works	Four grave cuts identified in the verge adjacent to St Patricks Cemetery. Test excavation has been performed to the top of the grave cuts only.	Four grave cuts near St Patricks Cemetery
11 March 2020 (previous reporting period)	s146 Heritage Division	Package 4 – Infrastructure Works	Five historical archaeological sites containing ‘relics’ found during test excavations relating to Hospital for the insane buildings, Mrs Bett’s house, Mill race, 19 th Century terraces and hospital for the insane drain.	Cumberland Hospital East

2.5 Independent environmental audits findings

No independent environmental audits were undertaken during the reporting period. All actions from the Independent environmental audit (March 2020) were closed out in the previous reporting period’s Construction Compliance Report (#3).

2.6 Environmental incidents

There were three notifiable environmental incidents (as defined in the Planning Approval – refer to the Glossary) during the reporting period. A summary of all project notifiable incidents for the reporting period is included in Table 2-4.

Table 2-4 Incident summary for reporting period (August 2020 to January 2021)

Type	Date of Incident	Date identified to TfNSW Environment Team	Location of incident	How incident was identified and Contractor	Notification	Action	Response
Water main strike (INX 216142)	2 Sep 2020	2 Sep 2020	Intersection of Church street and Albert street, North Parramatta	Package 4 Infrastructure works. Visible.	EPA, DPIE, ER	<ul style="list-style-type: none"> Deploying ERSSED Controls, arranging a vacuum truck and cleanup post-incident. Preventative actions undertaken post-incident included delivery of toolbox talk with regards to incident management, and reporting obligations as well as timely reminders to site team to ensure all incidents are reported correctly in required timeframes to all parties (DPIE and EPA notifications and reports in this instance). 	All actions completed
Loss of storm water during refresh of sediment controls (INX 220399)	27 Oct 2020	27 Oct 2020	Adderton road, Telopea	Package 4 Infrastructure works. Visible	EPA, DPIE, ER	<ul style="list-style-type: none"> Provide toolbox talk to workers on the requirements of sediment controls during heavy rainfall events. 	All actions completed
Water main impact at Church street, north Parramatta at intersection of factory street (INX 227383)	28 Jan 2021	28 Jan 2021	Intersection of Church street and Factory Street, North Parramatta	Package 4 infrastructure works. Visible.	EPA, DPIE, ER	<ul style="list-style-type: none"> Sediment controls were established around the drain prior to discharge and a vacuum truck was mobilised to remove water. Sydney Water was notified and attended site at approximately 9:30am to isolate the water main. 	All actions completed

3 Construction compliance

3.1 Conditions of approval compliance table

Compliance tracking software used for the project allows for evidence to be submitted against a condition. This was made available to the Environmental Representative (ER).

The status of each compliance requirement applicable during the reporting period has been recorded in accordance with the descriptors in Table 3-1 below.

Table 3-1 Compliance status descriptors

Status	Description
Compliant	The proponent has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with.
Non-compliant	The proponent has identified a non-compliance with one or more elements of the requirement.
Not triggered	A requirement has an activation or timing trigger that has not been met at the phase of the development when the compliance assessment is undertaken, therefore an assessment of compliance is not relevant. Not triggered also applies to requirements that are identified as 'not applicable' in the Staging Report.

3.2 Non-compliances

3.2.1 Open Non-Compliances from the Previous Reporting Period

There was 1 open non-compliance from the previous reporting period. This non-compliance was closed during the current reporting period.

3.2.2 This reporting period

There were fourteen (14) non-compliances raised during the reporting period (August 2020 to January 2021) (Refer to Table 3-2 and Table 3-3 for details). There are no actions remaining open at the end of the reporting period. During the reporting period, non-compliances were quite evenly spread across environmental aspects including systems and documentations, traffic and access and flora & fauna (Figure 3-1).

Table 3-2 Non-compliances and compliance loads during this Reporting Period

Construction Package	Non-Compliances raised during Reporting Period	Currently open non-compliances	Compliance load at end of Reporting Period
Road Enabling	1	0	17
Hawkesbury Road Widening	0	0	1
Early Works	1	0	2
Infrastructure Works	9	0	23
TfNSW	3	0	8

Construction Package	Non-Compliances raised during Reporting Period	Currently open non-compliances	Compliance load at end of Reporting Period
Total	14	0	51

A summary of the non-conformance by type is provided in Figure 3-1.

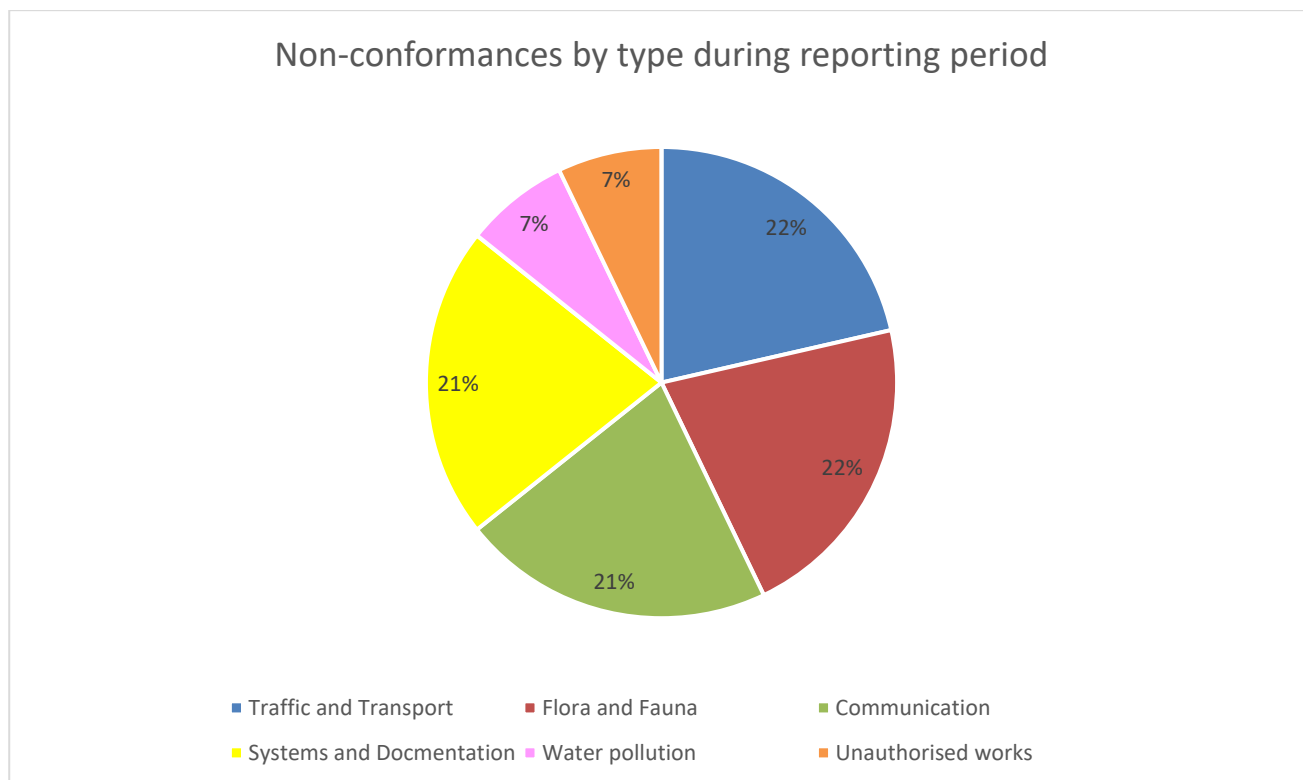


Figure 3-1 Non-conformance by type

Table 3-3 Details of non-compliances during the reporting period (August 2020 to January 2021)

Date of Occurrence	Date Identified to TfNSW	CoA ID	Package	Summary	Actions	Status
21-May-20	02-Sep-20	E9	Road Enabling	<p>INX Report: 216144</p> <p>Parramatta Gaol O'Connell Street gate access was modified during Package 1 Enabling Works. Consultation with the property owner occurred, however there was insufficient evidence to demonstrate agreement from the property owner as per E9 requirements. A warning letter was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> Meeting with DLALC, Ambulance and Fire & Rescue representatives to identify and understand access requirements and options. Prepare updated Access Plan which incorporates agreements from the on-site consultation, specifically: <ul style="list-style-type: none"> - pedestrian use for O'Connell Street gate - Ambulance bay installation north of gate to facilitate access Provide Access Plan to DLALC for agreement Update Environmental Alert to advise TfNSW team and contractors of the importance of proactive consultation and clear agreement, in accordance with the CoA. Investigate the history of consultation and meetings with DLALC regarding the infrastructure changes on O'Connell Street and compile timeline. 	Closed
03-Aug-20	03-Aug-20	E106	Infrastructure	<p>INX Report: 213876</p> <p>During clearing works at the Camellia Bridge Northern Abutment and the Sandown Line, eight trees (TN 9407-9410, 14006, 14007, 14043 and 14044) were erroneously removed without approval from the Independent Arborist. The removal of the trees occurred as they could not be clearly identified due to dense surrounding vegetation. It is noted that the trees were incorrectly recommended to be retained; the required embankment level changes would result in 100% encroachment of the Tree Protection Zone.</p>	<ul style="list-style-type: none"> Toolbox talk was delivered to the whole of Area 3 which highlighted the incident, the tree impact process, and the introduction of a new hold point. An environmental alert was created and distributed highlighting the tree removal process. Tree Register was subsequently updated to include the trees that were erroneously removed without Independent Arborist approved. 	Closed
13-Aug-20	19-Aug-20	A24	Project wide	<p>INX Report: 215103</p> <p>On Wednesday 18th August 2020, it was noticed that the Daily Complaint Register emails were not received by all members on the Complaint Register distribution list. Further investigation with the PLR Environmental Representative (ER) identified that the ER had not received the Complaint Register on Thursday 13th August, 2020 as required by Condition A24 (a) the complaints register to be provided on a daily basis.</p>	<ul style="list-style-type: none"> The missed email was immediately sent to the ER to rectify the compliance issue. An automatic email distribution list has been generated to avoid the need for "copying" the email list for each daily complaint report, thereby eliminating the risk of missed addresses in this manual process. 	Closed
10-Sep-20	11-Sep-20	C18	Infrastructure	<p>INX Report: 216825</p> <p>During ER inspection on 10 September 2020, it was identified on site that Minor Ancillary Facility Checklist was not completed prior to establishment of an office and amenities shed within the approved CSSI footprint. A record breach was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> Minor Ancillary Facility Checklist and ECM approved by the ER on 17 September 2020 for use of the site compound Toolbox Talk undertaken on 15 September 2020 for all work crews to ensure this non-compliance does not reoccur. 	Closed
10-Sep-20	11-Sep-20	E17	Infrastructure	<p>INX Report: 217036</p> <p>At 21:30, a complaint was received from Heritage Lounge (215-217 Church Street) regarding pedestrian access to their business. The PCPLR Community Place Manager contacted the Supervisor who immediately investigated the matter. It was determined that while the footpath remained accessible from Macquarie Street, a low barrier had been installed at the George Street footpath. A Traffic Controller was positioned at the barrier to direct pedestrians to the Macquarie Street access. The alternative arrangement developed by the PCPLR sub-contractor was not discussed with PCPLR or the business owner prior to commencement of works. A record breach was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> The Supervisor reinstated the George Street pedestrian access and in consultation with the business owner, deferred commencement of works to 12:00am after the business had closed for the evening. 	Closed

Date of Occurrence	Date Identified to TfNSW	CoA ID	Package	Summary	Actions	Status
07-Oct-20	08-Oct-20	A23,A29	Project wide	<p>INX Report: 218949</p> <p>The ER and AA Monthly Reporting is required to be submitted to DPIE on or no later than the 7 day of the following month. The reports were submitted one day late in error. The Reports were submitted on 8 October 2020.</p> <p>A record breach was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> The non-conformance was immediately corrected on becoming aware of the issue by submitting the reports to DPIE as soon as possible (8 October 2020). Notified the TfNSW PLR Planning & Environment Team of the issue in the next team meeting and the importance of meeting the submission deadline. Investigated software options to assist with completing the task on time. Completed a program look-ahead to identify future constrained submission timelines. It was identified that January 2021 was likely to be an issue due to Christmas Break, and an extension request was subsequently prepared for DPIE approval. 	Closed
08-Oct-20	12-Oct-20	E101	Infrastructure	<p>INX Report: 219231</p> <p>During ER Inspection on 8 October 2020, it was noted on site that concrete was removed with jackhammer (High Noise Impact Works) near Bridge Road bridge at Cumberland East. This work area falls within 300m buffer zone of GHFF colony located within Parramatta Park. GHFF Mitigation Application Procedure states that if HNIW are undertaken between September and January then an Environmental Work Method Statement shall be submitted to Flying Fox Expert for each new activity. This did not occur for this particular activity prior to works. Opportunity for Improvement was raised in the ER Inspection Report.</p> <p>A warning letter was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> Ensure all documentation is completed and approved prior to starting high noise impact works Prepare and submit EWMS for all High Noise Impact activities within 300m of GHFF camp Communicate the requirement to the wider team via toolbox talk and pre-start meetings Undertake a training session with site staff 	Closed
23-Oct-20	23-Oct-20	C8	Project Wide	<p>INX Report: 220327</p> <p>The call centre was contacted by a community member on Friday, 23 October at 1.48am via the 1800 139 389 community information line to complain about the noise from works. The call centre operator incorrectly followed the agreed after-hours procedure to alert the Contractor of the complaint resulting in the contractor being unable to fulfil the requirement of the complaint procedure in the Community Consultation Strategy to contact the complainant within 2 hours of the complaint being received. PCPLR did not call the community member until 9.20 am.</p>	The TfNSW Communications & Engagement Representative contacted the call centre and reminded the Team Leader on the importance of following the agreed after-hours procedure when providing notice of complaints.	Closed
24-Sep-20	20-Nov-20	C16	Early Works	<p>INX Report: 222244</p> <p>Exceedance of Sydney Water Trade waste agreement for Total Dissolved Solids maximum daily mass discharge limit for the Temporary WTP discharge to sewer.</p>	<ul style="list-style-type: none"> Contractor has reverted to temporary WTP flows at approximately 180KL/day to ensure TDS concentration thresholds are not exceeded. Ongoing monitoring has demonstrated compliance with Trade Waste Agreement conditions since reverting to reduced temporary WTP discharge flows. Conversations between TfNSW and Sydney Water regarding changes to the Trade Waste Agreement. 	Closed
26 Nov-20	26-Nov-20	B6	Infrastructure	<p>INX Report 222799</p> <p>A community complaint received by PCPLR on 11 November 2020 in regards to the Dundas footpath diversion. Although the complaint was reviewed and adequately addressed on the date of receipt, the matter was not entered into the complaints register within 24 hours as required by the Community Communication strategy.</p> <p>A record breach was received from DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> Community engagement team were reminded of their timing obligations Daily reminder is sent out to the Contractor's community team to ensure all complaints are entered in the register. 	Closed

Date of Occurrence	Date Identified to TfNSW	CoA ID	Package	Summary	Actions	Status
01-Dec-20	04-Dec-20	C8	Infrastructure	<p>INX Report 223185</p> <p>A sewer bypass pipe was installed above ground to maintain sewer flow within existing sewer network prior to switching over to newly installed sewer. Sydney Water approval was in place for the works, however, the bypass pipe was installed outside CSSI footprint prior to completing required Environmental Review.</p>	<ul style="list-style-type: none"> Identify temporary works early and apply for required Environmental Approvals. Undertake awareness training for Environmental Review and Consistency Assessments for out of boundary works. 	Closed
23-Dec-20	23-Dec-20	E106	Infrastructure	<p>INX Report 224788</p> <p>Two trees (TN 1045 and an unmarked tree) were removed at Westmead area in April/May 2020 prior to obtaining Independent Arborist approval</p>	<ul style="list-style-type: none"> Both TN 1045 and the unmarked tree were fully encroached by the Approved Project works and approval for removal was sought retrospectively. 	Closed
12-Jan-21	13-Jan-21	C8	Infrastructure	<p>INX Report 226249</p> <p>During ER Inspection 061, it was identified that a sub-contractor had entered the site at a location not identified on the ECM. It was observed that a temporary kerb ramp had been constructed by the sub-contractor to allow for their vehicle movements directly into their work area rather than using the dedicated vehicle access gate. It was noted that no ATF panels had been removed at the time of the inspection.</p> <p>A Notice to Furnish Information & Records was issued by DPIE for this non-compliance.</p>	<ul style="list-style-type: none"> Works were stopped immediately A meeting was held with subcontractor (engineers and workers) to discuss requirements and reiterate responsibilities A follow up inspection occurred to ensure no repeat of actions was identified 	Closed
13-Jan-21	14-Jan-21	E5	Infrastructure	<p>INX Report 226324</p> <p>It has been identified that on 2 separate instances (18 December 2020 and 07 January 2021) three trucks accessed Trott St for deliveries of recycle DGB to Harold St and Pennant Hills Rd intersection.</p> <p>The approved haulage routes, including approved routes and access gates on Fennel St, Harold St, Pennant Hills Rd/Albert St, were previously provided to all delivery companies.</p>	<ul style="list-style-type: none"> Traffic Controller now in attendance at intersection of Albert St and Trott St to monitor haulage vehicles and denying access to Trott St. In addition, signage is now installed for 3T and over trucks prohibited from accessing Trott Street. Requirement has been communicated to all delivery partners. Copy of haulage routes has been provided. Toolbox talk has also been undertaken for all sites. 	Closed

3.3 Construction Environmental Management Plan

The Construction Environmental Management Plan (CEMP) is the key management tool in relation to environmental performance during the design and construction phases. The CEMP outlines the Contractor's approach to minimising and managing environmental risks associated with the construction phase of the project. The CEMP is a dynamic document that is reviewed and amended to incorporate additional requirements as required, including changes to the project team, organisational structure and responsibilities or as improvements to procedures and methodologies develop.

Detailed environmental management sub plans have been prepared. Key environmental elements have been identified for the Project through the environmental assessment and approval process. They document aspects, impacts, safeguards and monitoring requirements for each key environmental element, nominate who is responsible for implementing controls and note the frequency/timing of implementation.

There are five Packages as described in the Staging Report. Table 3-5 identifies when each Package CEMP (and Sub-plans if required under the Planning Approval) was last approved and any subsequent minor amendments (as required).

Table 3-4 Package specific CEMP approval and minor revised updates

Package	Secretary CEMP Approval Date	Review / Amendment Comments
Package 1: Road Enabling Works	5 March 2019	During the reporting period, the management plans were updated and submitted to DPIE to include Robin Thomas Reserve scope. DPIE approved the CEMP and Heritage Management Plan on 22 January 2021.
Package 2: PLR Westmead Precinct Works	7 February 2020	No update occurred during the reporting period
Package 3: Portion 2 Early Works	5 September 2019	Following Secretary approval, the CEMP and Sub-plans were updated to include minor activities. The minor amendments were endorsed by the Environmental Representative prior to implementation.
Package 4: Infrastructure Works	21 November 2019	Following Secretary approval, the CEMP and sub-plans were updated to include annual review updates in late 2020. The updated CEMP and sub-plans were endorsed by the Environmental Representative prior to implementation. The Heritage Management Plan update was considered a not minor change and was approved by DPIE on 20 October 2020.
Package 5: Supply, Operate and Maintain (SOM) Works	Not triggered during reporting period	Not triggered during reporting period

3.4 Environment Protection Licences

Where the PLR project undertakes activities which are Scheduled Activities under the *Protection of the Environment Operations Act* (1997), the Principal Contractors are required to obtain the relevant Environment Protection Licences (EPLs).

The Infrastructure Works Contractor (Parramatta Connect) obtained an EPL on 3 January 2020. No other EPLs have been required for the project during the reporting period. Table 3-6 lists the Parramatta Light Rail EPLs that have been active during the reporting period.

Table 3-5 Status of Parramatta Light Rail Environmental Protection Licences

Licensee	Construction Package	Activity Type	EPL #	Status
Parramatta Connect	Package 4	Railway activities - railway infrastructure construction	21347	Issued 3 January 2020, and currently active

This CCR does not document compliance against EPLs. This is being undertaken by the relevant license holders

3.5 Consistency assessment and environmental reviews

Consistency assessments and environmental reviews were approved for the project under the TfNSW Environmental Management System. Where required, the reviews were endorsed by the Environmental Representative in accordance with A12 (Appendix A1). Approved documents have been provided to the ERs in accordance with A24b.

Table 3-6 provides a register of consistency reviews undertaken during the reporting period.

Date	Package	Title	Summary	Outcome
Aug 2020	Infrastructure	Area 1 lighting (PCPLR-ER-025)	Lighting works within 1km of the project boundary at Westmead	Approved (flexibility provisions endorsed by ER)
Aug 2020	Infrastructure	Macquarie and Charles street utilities (PCPLR-ER-035)	Telstra relocation at Charles Street and LV Electrical and Lighting on Macquarie Street within 1km of the project boundary	Approved (flexibility provisions endorsed by ER)
Aug 2020	Infrastructure	Works outside boundary (Area 3) (PCPLR-CA-017)	Retaining wall and associated tree impacts along the former T6 Carlingford line	Conditionally Approved
Aug 2020	Infrastructure	Tramway Ave TMP (PCPLR-ER-038)	Road furniture on River Road West as part of the Tramway Avenue TMP	Approved (flexibility provisions endorsed by TfNSW)
Aug 2020	Infrastructure	Kissing Point Road Minor Road (PCPLR-ER-043)	Minor road network changes outside the project boundary on Kissing Point Road	Approved (flexibility provisions endorsed by TfNSW)

Date	Package	Title	Summary	Outcome
Sep 2020	Infrastructure	Robert Street - Telopea Stormwater Drainage (PCPLR-ER-036)	Stormwater drainage on Robert Street, Telopea outlet at Vineyard Creek	Approved (flexibility provisions endorsed by TfNSW and ER)
Sep 2020	Infrastructure	Hainsworth Roundabout (TFNSW-CA-013)	Roundabout on Hainsworth Street to allow for vehicles to do turns to access residential properties	Approved
Sep 2020	Infrastructure	George Street Heritage Property Works and Tree Removal (PCPLR-CA-023)	Property adjustments on George Street and associated tree impacts	Approved
Sep 2020	Infrastructure	George St Sewer Diversion (PCPLR-ER-045)	Temporary sewer diversion for properties on George Street and Queens Wharf Reserve	Approved (flexibility provisions endorsed by ER)
Oct 2020	Infrastructure	Barrack Lane APhS Sewer Relocation (PCPLR-ER-037)	Sewer relocation within Arthur Phillip High School	Approved (flexibility provisions endorsed by ER)
Oct 2020	Infrastructure	Camellia Drainage (PCPLR-CA-015)	Stormwater drainage in an existing easement near to 13A Grand Avenue, Camellia	Approved (flexibility provisions endorsed by TfNSW)
Oct 2020	Infrastructure	PSQ TCS Poles (PCPLR-ER-044)	Installation of traffic control signal poles to allow entry and exit to Parramatta Square building	Approved (flexibility provisions endorsed by ER)
Octr 2020	Infrastructure	Lennox Bridge North Drainage (PCPLR-ER-042)	Drainage works on the north-eastern section of Lennox Bridge foreshore area	Approved (flexibility provisions endorsed by ER)
Oct 2020	Infrastructure	Area 3 Utilities (PCPLR-ER-040)	Utility works at various locations in Carlingford, Telopea, Dundas and Rydalmere within 1km of the project boundary	Approved (flexibility provisions endorsed by ER)
Oct 2020	Infrastructure	Minor Road Upgrades (PCPLR-ER-041)	Minor road network changes in Carlingford and Camellia	Approved (flexibility provisions endorsed by TfNSW)
Oct 2020	Infrastructure	198 George St Electrical Works (PCPLR-ER-047)	Electrical works at 198 George Street works	Approved (flexibility provisions)

Date	Package	Title	Summary	Outcome
				endorsed by ER)
Oct 2020	Infrastructure	Vineyard Creek Abutment Scour Protection (PCPLR-ER-048)	Scour protection at Vineyard Creek Bridge	Approved No flexibility provisions used.
Oct 2020	Supply, Operate and Maintain	EMC Testing Works (GRCLR-ER-003)	Non-intrusive electromagnetic testing at various locations	Approved No flexibility provisions used.
Nov 2020	Infrastructure	Rosehill Bowling Club Tree Pruning (PCPLR-ER-049)	Pruning of tree within the Rosehill Bowling Club	Approved No flexibility provisions used.
Dec 2020	Infrastructure	S3 Trees and embankment outside Boundary (PCPLR-CA-025)	Embankments and associated tree impacts along the former T6 Carlingford line.	Approved
Dec 2020	Infrastructure	Winter Street Watermain Diversion (PCPLR-ER-051)	Temporary watermain diversion for Winter Street	Approved (flexibility provisions endorsed by ER)
Dec 2020	Infrastructure	Area 1 Hawkesbury Road Minor Road Works (PCPLR-ER-050)	Minor road network change for Hawkesbury Road	Approved (flexibility provisions endorsed by TfNSW)
Dec 2020	Infrastructure	Cumberland Sewer Diversion (PCPLR-ER-056)	Sewer diversion at Cumberland Hospital	Approved (flexibility provisions endorsed by ER)
Dec 2020	Infrastructure	Private Utilities Works outside boundary	Utility works for private properties within 1km of the project boundary	Approved (flexibility provisions endorsed by ER)
Dec 2020	Infrastructure	Adderton Road Lighting	Utilities required within 1km of the project boundary on Adderton Road	Approved (flexibility provisions endorsed by ER)
Jan 2021	Infrastructure	Cumberland Hospital Minor Road Works	Minor road network changes in Cumberland Hospital	Approved (flexibility provisions endorsed by TfNSW)

4 Business monitoring

The COVID-19 restrictions, introduced in March 2020 have substantially impacted businesses along or in close proximity to the alignment significantly reducing footfall and restricting many from opening or in the case of restaurants, limited to take away only.

Additionally, restrictions on social gatherings prompted the City of Parramatta Council, Parramatta Park Trust and Bankwest Stadium to cancel or postpone events and sporting matches.

Campaigns run by Parramatta Light Rail during this reporting period were suspended due to COVID-19 restrictions.

Parramatta Light Rail had the following objectives for the July 2020- January 2021 reporting period.

- Maintain foot traffic during construction
- Ensure affected businesses feel supported prior to and during construction of light rail
- Create unique experiences that encourage the continued use of places along the alignment and the patronage of businesses
- Activate streets and areas in close proximity to construction sites
- Minimise the extent to which construction adversely affects public amenity, including noise, dust and obstructions to pedestrian movement

4.1 Shop Scan Win

A Shop Scan Win – Carlingford to camellia campaign was launched 5 August 2020 to 2 October 2020. The campaign had over 22 participating businesses and over 3000 app downloads.

4.2 Shop Local Campaign

The Shop Local Campaign was developed to enhance the local culture, and encourage spending and drive foot traffic to support local businesses that front the light rail alignment or are in close proximity. The following PLR Shop Local Campaigns were/are planned for 2020:

- Activate Parramatta – Dine Scan Win (June to September 2020)
- Westmead Shop Local – September to October 2020
- Activate Parramatta – Eat Street Uncovered will be postponed

On 22 March 2020, the Prime Minister announced wide spread restrictions to help fight the spread of COVID-19, impacting Parramatta Light Rail activations and campaigns. The Parramatta Light Rail team continued to support businesses during this challenging time. Realise Business, appointed by Transport for NSW to deliver free business support services, has been working with local businesses during this challenging time to diversify their operating models and boost their social media presence.

4.3 Activate Parramatta App

Our digital App 'Activate Parramatta' was launched in June 2020 to complement Shop Local campaigns and activations. Functionality includes:

- Real-time push notifications
- Location based notifications

- Gamification (to be added)
- Augmented Reality (to be added)
- Users are prompted to scan QR codes to launch.

4.4 Dine Scan Win

The Dine Scan Win Campaign was launched on 24 June and closed 18 September 2020. The campaign was a free Shop Local Campaign that ran for 12 weeks and promotes use of the Activate Parramatta App, by including free listings for participating businesses and free promotions for shoppers. 65 business participated in the promotion and social media post reached 158,115 people.



Figure 4-1 Parramatta Light Rail Dine Scan Win Campaign (June to September 2020)

4.5 Small Business Month

The small business Month was launched on the 1 October and finishing on the 31 October. The initiative was developed for celebrating the diversity of business across the alignment especially in the wake of COVID-19. The initiative had customers scan in-store QR codes with every purchase to automatically go into the major prize draw.

Parramatta small business month



Figure 4-2 Parramatta light rail small business month

4.6 Christmas Comes Early to Parramatta

A Christmas adventure campaign based on the traditional advent calendar idea that ran from the 27 November 2020 to 21 December 2020. The advent campaign included access to a range of daily offers and prizes, including free coffees and lunches as well as larger give away prizes. The advent campaign was specifically designed to drive footfall to businesses across the PLR alignment including the Parramatta CBD. The advent campaign saw 2670 entries and over 400 prizes given away.

ADVENTure campaign



Figure 4-3 Parramatta light rail ADVENTure campaign

4.7 Art Comes to Life

A collection of augmented reality (AR) artworks on display around Parramatta. The artworks consisted of a wintery Christmas a beach theme and a dreamtime story. The artworks were on display from November to January at sites along the future Parramatta light rail alignment – Centenary Square, Parramatta River Foreshore and Riverside Theatres. The event was specifically designed to drive footfall to businesses in the Parramatta CBD. The Christmas campaign resulted in 1,591 downloads of the active Parramatta app, 795 people scanned and activated the AR artworks and we reached 492,139 people via social media with 16,289 engagements.



Figure 4-4 Parramatta Light Rail AR art works