

JHCPB Joint Venture

EPL Monthly Monitoring Report

Reporting Period: January 2020

Project	Rozelle Interchange and WHT Enabling Works – Design and Construct
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1. Introduction

WestConnex is one of the NSW Government’s key infrastructure projects which aims to ease congestion, create jobs and connect communities. Together with the other components of the WestConnex Program of Works and the proposed future Sydney Gateway, the WestConnex M4M5 Link will facilitate improved connections between western Sydney, Sydney Airport and Port Botany and south and south-western Sydney, as well as better connectivity between the important economic centres along Sydney’s Global Economic Corridor and local communities (refer to Figure 1). Due to its importance, the WestConnex M4-M5 Link project was declared to be critical state significant infrastructure (CSSI) by the Minister for Planning on 15 August 2017.

The WestConnex M4-M5 Link is being delivered in two stages:

- Stage 1, the Mainline Tunnels, which includes the construction and operation of the M4-M5 Link Tunnel between the New M4 at Haberfield and the New M5 at St Peters, and
- Stage 2, the Rozelle Interchange, which will connect the Stage 1 mainline tunnels to the surrounding surface road network and includes the construction and operation of (see Figure 1)
 - › An interchange at Lilyfield and Rozelle, including a connection to the proposed future Western Harbour Tunnel and Beaches Link project, and
 - › A tunnel connection between the Anzac Bridge and Victoria Road, east of Iron Cove Bridge.

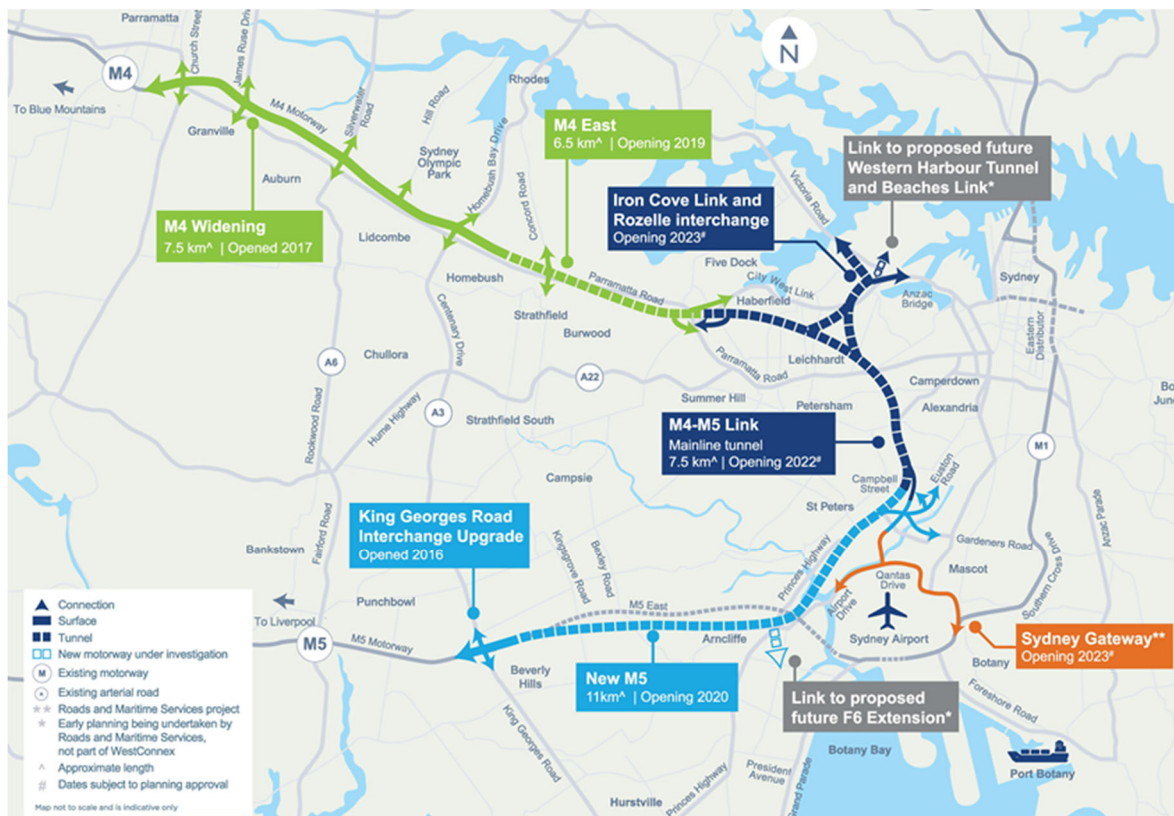


Figure 1 Westconnex Project Overview

2. Environmental Protection Licence and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 21278) from the NSW Environment Protection Authority for the Rozelle Interchange Works on behalf of the John Holland CPB (JHCPB) Joint Venture. The licence is for construction works relating to Road Construction as defined under Schedule 1 of the *Protection of the Environment Operations Act, 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the M4-M5 Link Rozelle Interchange Works, and specifically provides discharge criteria for water treatment plant and sediment basin water quality. The following report details environmental monitoring undertaken during this reporting month conducted in accordance with the EPL.

The EPL can be found by following the link below to the EPA's website:

<https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=174300&SYSUID=1&LICID=21278>

3. Water Monitoring

Water monitoring was undertaken during this reporting period. Table 1 and 2 contains the water monitoring results.

Table 1 Surface water quality monitoring results

Discharge/Monitoring Point	Date sampled	Total suspended solids (mg/L)	pH	Oil & Grease	Monitoring frequency	Comment
		50 ¹	6.5-8.5	None Visible	N/A	Licence Limit
RRY01	23/01/2020	16.3	8.37	None Visible	Each discharge	Compliant

Table 2 Water quality monitoring results at Water Treatment Plant which processes ground water

Discharge/Monitoring Point	Date Sampled	Turbidity (NTU)	pH	Oil & Grease	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (hexavalent) (mg/L)	Chromium (trivalent) (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Monitoring frequency	Comment
		50 ¹	6.5 - 8.5	Not visible	0.05	0.014	0.02	0.0486	0.003	0.3	0.0066	2.5	0.0007	0.2	0.023	N/A	Licence Limit
RRY-B	14/01/2020	3.8	7.63	Not visible	0.0005	<0.00005	0.02	<0.001	0.0005	<0.002	<0.0001	0.0063	<0.00004	<0.0005	0.001	Monthly	Compliant

¹ A correlation between TSS and Turbidity has been established. Including a safety factor the turbidity limit is 50NTU

4. Noise Monitoring

Noise monitoring was undertaken during this reporting period. Table 3 contains the noise monitoring results.

Table 3 Noise monitoring results

Monitoring Location (Noise Catchment Area, Street, Suburb)	Date	Time	Attended or Continuous Monitoring	Parameter	Goals/Target dB(A)	Actual dB(A)	Comments
NCA36, Clubb St, Rozelle	13/01/2020	11:30 PM	Attended	Laeq 15 minutes	81	63.7	Compliant
NCA35, Warayama PI, Rozelle	13/01/2020	11:56 PM	Attended	Laeq 15 minutes	77	78.9	Compliant, exceedance attributed to non-JHCPB activities
NCA36, Clubb St, Rozelle	15/01/2020	12:21 AM	Attended	Laeq 15 minutes	81	63.4	Compliant
NCA34, Terry St, Rozelle	15/01/2020	12:44 AM	Attended	Laeq 15 minutes	73	67.9	Compliant
NCA33, Toelle St, Rozelle	15/01/2020	1:05 AM	Attended	Laeq 15 minutes	69	52.1	Compliant
NCA21, Railway Pde, Annandale	20/01/2020	10:37 PM	Attended	Laeq 15 minutes	59	58.1	Compliant
NCA23, Johnston St, Annandale	20/01/2020	11:21 PM	Attended	Laeq 15 minutes	79	56.7	Compliant
NCA24, Lilyfield Rd, Lilyfield	21/01/2020	12:00 AM	Attended	Laeq 15 minutes	59	54.3	Compliant
NCA34, Terry St, Rozelle	21/01/2020	12:41 AM	Attended	Laeq 15 minutes	73	69.9	Compliant
NCA25, Lilyfield Rd, Lilyfield	21/01/2020	1:32 AM	Attended	Laeq 15 minutes	66	52.7	Compliant
NCA36, Clubb St, Rozelle	21/01/2020	11:05 PM	Attended	Laeq 15 minutes	73	58.3	Compliant
NCA35, Warayama PI, Rozelle	21/01/2020	11:37 PM	Attended	Laeq 15 minutes	71	47.1	Compliant
NCA34, Terry St, Rozelle	22/01/2020	12:14 AM	Attended	Laeq 15 minutes	73	71.6	Compliant
NCA23, Johnston St, Annandale	22/01/2020	12:46 AM	Attended	Laeq 15 minutes	79	53.5	Compliant
NCA21, Railway Pde, Annandale	22/01/2020	1:41 AM	Attended	Laeq 15 minutes	59	49.5	Compliant
NCA25, Lilyfield Rd, Lilyfield	22/01/2020	2:19 AM	Attended	Laeq 15 minutes	66	48	Compliant
NCA33, Toelle St, Rozelle	22/01/2020	2:49 AM	Attended	Laeq 15 minutes	78	54.7	Compliant
NCA36, Byrnes St, Rozelle	23/01/2020	11:33 PM	Attended	Laeq 15 minutes	73	62.3	Compliant
NCA35, Warayama PI, Rozelle	24/01/2020	12:13 AM	Attended	Laeq 15 minutes	71	53.7	Compliant
NCA23, Johnstone St, Annandale	24/01/2020	12:55 AM	Attended	Laeq 15 minutes	79	53.6	Compliant
NCA21, Railway Pde, Annandale	24/01/2020	1:21 AM	Attended	Laeq 15 minutes	59	39.4	Compliant
NCA25, Lilyfield Rd, Lilyfield	24/01/2020	1:55 AM	Attended	Laeq 15 minutes	59	47.2	Compliant