Legacy Way Project

Role of the Environmental Management Representative (EMR)

What is Legacy Way

The project consists of the following key elements:

- Two 4.2 km road tunnels connecting the Western Freeway at Toowong with the Inner City Bypass at Kelvin Grove – each tunnel with 2 traffic lanes
- Civil works to connect the tunnels with the surface road network at either end
- Civil works to upgrade the existing Western Freeway / Moggill Road interchange
- Associated works such as 2 ventilation stations and outlets and a tollroad control centre.
What is Legacy Way

Legacy Way Alignment
Photo from Transcity JV

What is Legacy Way

Eastern Worksite – April 2013
Photo from Transcity JV
What is Legacy Way

Western Worksite – April 2013
Photo from Transcity JV

What is Legacy Way

Moggill Road Ramps Worksite – April 2013
Photo from Transcity JV
Requirements for Environmental Management on Legacy Way Project

- CoG Condition 15 details requirements for Environmental Management Plans (EMP).
- Overarching EMPs for Design and Construct (D & C) and Operation and Maintenance (O & M)

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<thead>
<tr>
<th>D &amp; C EMP Sub-Plans</th>
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<td>Geology and Soils</td>
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<td>Surface water quality</td>
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<td>Noise &amp; vibration</td>
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<td>Cultural heritage</td>
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Requirements for Environmental Management on Legacy Way Project (ctd)

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<th>D &amp; C EMP Sub-Plans</th>
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<td>Hazard &amp; risk</td>
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<td>Sediment &amp; erosion control</td>
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<td>Monitoring plan</td>
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Golder Associates
Requirement for EMR for Legacy Way

• Requirement for EMR role prescribed in Coordinator General (CoG) Conditions dated December 2010 (Appendix 1, Schedule 3, Part 2, Condition 14(b))

• Brisbane City Council (BCC) required to nominate suitably qualified person for approval of the CoG 2 months before start of construction

• Role for the duration of construction (4 years)

• Following a tender process Golder Associates was contracted in December 2010 to provide EMR services to the Legacy Way project for a period of 4 years.

Role of EMR

• Principal point of advice for questions and complaints about environmental performance

• Certify D &C and O &M Environmental Management Plan (EMP) and EMP Sub-plans in compliance with CoG conditions

• Monitor & audit implementation of EMP and EMP Sub-plans

• Review and approve project induction and training programs for environmental matters

• Undertake regular on-site monitoring to assess Transcity (TCJV) compliance with EMP and EMP Sub-Plans
Role of EMR (ctd)

- Provide advice to BCC about CoG Conditions and other licenses and conditions
- Make recommendations to BCC and DERM (now Department of Environment and Heritage Protection (EHP)) in relation to actions to mitigate unintended or adverse impacts of TCJV activities
- Be available for contact at all times during construction activities
- Undertake 6 monthly environmental audits
- Attend meetings of the Community Liaison Groups

Role of EMR (ctd)

- Undertake investigations of community complaints as requested by the Independent Community Liaison Representative (ICLR)
- Undertake reviews of daily updates to the Community Complaints Register
- Undertake review of the TCJV Monthly Environmental Monitoring reports
- Conduct quarterly look-ahead environmental risk assessment workshops
- Participate in Environmental Management & Community Liaison Group (EMCLG) meetings with BCC, Independent Verifier (IV) and TCJV
EMR Team
The EMR Team consists of the following groups

- Project management group includes EMR and Project Administrator
- Environmental audit group includes a certified auditor and independent audit reviewer
- Surveillance group includes field monitoring staff with experience in site based environmental monitoring
- Community engagement, heritage and social group includes staff with experience in these disciplines

EMR Team (ctd)

- Panel of Technical Specialists includes people with particular expertise in the following:

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<td>Noise and vibration</td>
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<td>Surface water quality</td>
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<td>Flora and fauna</td>
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<td>Acid sulfate soils</td>
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<td>Traffic management</td>
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<td>Erosion &amp; sediment control</td>
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<td>Air quality</td>
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<td>Groundwater quality</td>
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<td>Waste management</td>
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<td>Cultural heritage</td>
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<td>Hazard &amp; risk</td>
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Recent Typical EMR Activities

• Routine site surveillance activities at Eastern and Western worksites, Western Freeway Extension, Moggill Road Ramps upgrade, Wacol Pre-cast Yard, Archerfield and Oxley Storage Yards and Toll Road Control Centre (TCC)
• Prepare and submit Observation (OR), Environmental Incident (EI) and Non-Conformance Reports (NCRs) to (BCC) and TCJV as required
• Conducted a site walkover of the Western Portal on to inspect the erosion and sediment controls.

Recent Typical EMR Activities (Ctd)

• Daily review of Community Complaints Register updates;
• Review of specialist reports and preparation of reports as requested by BCC and the ICLR;
• Convened the meeting re development of Operation and Maintenance EMP and EMP Sub-Plans with TCJV, EHP and CoG
Recent Typical EMR Activities (Ctd)

- Convened the 2 phase Environmental Risk Workshop for the second quarter of 2013
- Noise monitoring for activities on the Eastern and Western worksites;
- Conducted attended noise monitoring for the Moggill Road worksite
- Attended the controlled underground blasts for the cross passages and sub stations
- Undertook 4th six monthly environmental audit

Recent Typical EMR Activities (Ctd)

- Reviewed the current TCJV Monthly Environmental Monitoring Report
- Certified updated EMP and EMP Sub-plans for Moggill Road Ramps upgrade. Noise & Vibration EMP Sub-Plan certified until 29 August 2013
- Participated in weekly EMCLG meetings and formal monthly meeting; and
- Air quality (dust) monitoring of activities on the TCC worksite.