

# Mobile Crane Work Plan

Issue date: 23/10/08  
Review date: 23/10/11

|                 |   |      |                     |
|-----------------|---|------|---------------------|
| Worksite        | GLENFIELD JUNCTION - BETWEEN POLES 111/122a   | Date | 13/10 TO 16/10/2008 |
| Purpose of lift | REMOVAL OF REDUNDANT 731/4 TRANSMISSION POLES |      |                     |

| Manager/Supervisor |                 | Person controlling the lift |                     |
|--------------------|-----------------|-----------------------------|---------------------|
| Name               | WAYNE SCHOFIELD | Name                        | STEVE BRACKENHOFFER |
| Phone              | 0408164513      | Phone                       | 0416212837.         |

| Load details         |   |  |  |
|----------------------|---|--|--|
| Description          | TRANSMISSION POLES RANGING FROM 17m TO 18.5 mts.                |  |  |
| Load dimensions      | 17m - 18.5m LONG - APPROX 400 DIA AV. Load weight APPROX. 2.1T. |  |  |
| Special requirements | ROAD OCCUPANCY LICENCE & APPROVED T.M.P.                        |  |  |

| Crane details               | 1st                | 2nd | 3rd |
|-----------------------------|--------------------|-----|-----|
| Make & model                | LIEBHERR/LTM1055/1 |     |     |
| Capacity                    | SEE ATTACHED CHART |     |     |
| Jib length required         | "                  |     |     |
| Outrigger spread            | "                  |     |     |
| Outrigger load              | "                  |     |     |
| Max groundbearing capacity  | "                  |     |     |
| Counterweight               | "                  |     |     |
| Weight of crane             | "                  |     |     |
| % of crane's rated capacity | 43%                |     |     |

| Lifting gear details AS PER ATTACHED REGISTER |                   |
|---|-------------------|
| Slings (wire rope)                            | Slings (webbing)  |
| Slings (chains)                               | Shackles          |
| Other accessories                             |                   |
| Weight of combined lifting gear               | ALLOW MAX 300 Kg. |

| Crane siting  | Applies?  |                                     |
|---|-----------|-------------------------------------|
|   | Yes/No/NA | If Yes, provide details of control  |
| Is there any possibility of the crane or load entering the Danger Zone? (NOTE Consider every possibility, including operator error and equipment failure) | YES       | TWA TO BE USED AT POLES 121a / 121b |
| Is there any possibility of the crane or load entering the safe approach distance to exposed electrical equipment?  | No.       |                                     |

# Mobile Crane Work Plan

Issue date: 23/10/08  
Review date: 23/10/11

| Crane siting   | Applies?  |                                    |
|--|-----------|------------------------------------|
|  | Yes/No/NA | If Yes, provide details of control |
| Can the ground support the load? (A geotechnical engineer's written confirmation is required to lift loads over 50 tonnes, concrete panels and bridge beams)   | YES       | CRANE SET UP ON ROAD.              |
| Are any underground services located under outriggers/tracks? (A geotechnical engineer's or equivalent person's written confirmation that the ground pressure will not damage services is required for fuel pipelines, HV electrical and medium and high pressure gas lines) | NO.       |                                    |
| Is the access route suitable and are there any restrictions? (consider slope, potholes, etc)   | NO        |                                    |
| Any other restrictions?  | NO.       |                                    |

| Rigging arrangements provide a drawing of the rigging to be used on the Lift plan (page 3)   | Applies?  |                                    |
|--|-----------|------------------------------------|
|  | Yes/No/NA | If Yes, provide details of control |
| Is there any load eccentricity that could trigger rigging difficulties?  | NO        |                                    |
| Does the irregularity of the shape of the load present any rigging or lifting difficulties?  | NO        |                                    |
| Is the lifting tackle of sufficient rated capacity? (Including any reductions in capacity for sling angles and choking back onto the sling arrangements) | YES       | SEG ATTACHED LIFTING REGISTER      |
| Does the lifting operation require de-rating of the cranes (eg multiple crane lifts, additional radius caused by tilting of tilt-up panels)?             | NO        |                                    |
| Will tag lines be needed to control the load?  | YES       | ROPE AT BASE OF POLE IF REQD       |

| Additional controls   | Applies?  |   |
|---|-----------|---|
|   | Yes/No/NA | If Yes, provide details of control          |
| Controls will be used to protect riggers/dogmen working at heights?                                 | YES       | EWP USED                                    |
| Barricading/exclusion zone control measures?  | YES       | APPROVED R.O.L/TMP IMPLEMENTED              |
| Item  | Response  | Note  |
| Manufacturer's maximum permissible wind speed?  | 10 m/sec  | If unknown, the answer is 36km/h or 10m/sec |
| Written confirmation sighted that crane complies with AS1418?                                       | YES       | NA or No is not acceptable                  |
| Operator's certificates of competency verified?   | YES       | NA or No is not acceptable                  |
| Operator's certificates correct for the type of crane being operated?                               | YES       | NA or No is not acceptable                  |
| Dogman/rigger certificates verified (dual lifts lift must be controlled by an Intermediate Rigger)? | YES       | NA or No is not acceptable                  |

# Mobile Crane Work Plan

Issue date: 23/10/08  
Review date: 23/10/11

#### **Lift Plan – Plan to take account of the following items**

# Mobile Crane Work Plan

Issue date: 23/10/08  
Review date: 23/10/11

## Site Plan – Sketch to include the following

- position of the crane (including tail slewing limitations)
- route of delivery truck to position the load for lifting
- initial position of load including radius (calculated accurately)
- position of any intermediate stages/lifts, including radius, eg initial pick up and set down off delivery truck
- final position to which load is to be lifted, including radius (calculated accurately)
- route that cranes will take if travelling with the load or walking the load, including any matting requirements
- location of track, structures, overhead powerlines, underground services, manholes and underground voids
- position of outriggers and load distribution area details, i.e. area and position of load mats or timbers
- position of doggers and spotters
- traffic control measures (where not included on a separate Traffic Control Plan)

SEE ATTACHED TMP.

NOVORAIL PROJECT TO REMOVE OVERHEAD TRANSMISSION LINES AND POLES ALONG RAILWAY PARADE GLENFIELD

55 TONNE MOBILE CRANE-FRANNA AND TRUCK TO OCCUPY HALF OF ROAD WHEN REQUIRED. WITH STOP/SLOW MANAGEMENT IN PLACE AT SHIFTING WORK AREA OF APPROX 100 METRES IN LENGTH

ALL SIGNS TO ADJUST TO SHIFTING WORK AREA. BE HIGHLY VISIBLE AND SPACED AS PER RTA WORKSITE MANUAL

PLAN  
No 1

CONSTRUCTION SITE

Bollard Line Work Area

60M Approx.

PREPARE TO STOP

60M Approx.

UBD MAP  
288 E14

HOUSE  
No 105

PEDESTRIANS TO USE FOOTPATH ON THIS SIDE OF ROAD

PROJECT SCHEDULED FOR  
THURS 13/10/2011 TO SUN 16/10/2011  
OCTOBER 7AM TO 16.00PM

FRASER ST



RESIDENT TRAFFIC AND PEDESTRIANS TO BE ESCORTED AROUND WORK AREA BY TRAFFIC CONTROLLERS

VICTORIA RD

AUTHOR  
PETER WORTHINGTON  
*P. Worthington*  
RTA D/I 4163010735

DATE 23/9/11  
PROJECT  
NOVORAIL  
ROOSTERS TRAFFIC CONT  
ATCHISON RD-RAILWAY PDE  
GLENFIELD

**RTC**  
ROOSTERS TRAFFIC CONTROL  
PH 0417 060 395  
PO Box 3330, Narellan DC 2567

NORTH  
  
NOT TO SCALE

TO  
STATION

RAILWAY

TRANSMISSION CABLES

REMOVE  
POLE

SITE GATE

ROAD  
CROSSINGS  
OF CABLES

CONSTRUCTION SITE

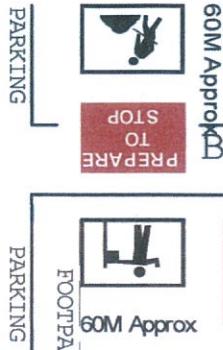
CONCRETE BARRIERS

60M Approx. 60M Approx. 60M Approx.

REMOVE  
POLEPREPARE  
TO  
STOP

PARADE

RAILWAY



60M Approx

BELMONT RD

PREPARE TO STOP

PREPARE TO STOP

60M Approx

SALISBURY AVE

UBD MAP  
288 G11PLAN  
No 2

PROJECT  
SCHEDULED FOR  
13 -16 OCTOBER 2011  
07.00AM TO 16.30

NEWTON RD

SEDDON PARK



60M Approx

RTC

REMOVE  
POLE

TRUCK

FRANNA

REMOVE  
POLEMOBILE  
CRANEPEDESTRIANS  
WATCH YOUR  
STEP

FENCE

SHOULDER

TO  
PLAN  
No 1

NOVORAIL PROJECT TO  
REMOVE OVERHEAD  
TRANSMISSION CABLES AND  
POLES ALONG RAILWAY  
PARADE GLENFIELD.

55 TONNE MOBILE CRANE-  
FRANNA AND TRUCK TO  
OCCUPY HALF OF ROAD  
WITH STOP/SLOW MANAGEMENT  
IN PLACE AT SHIFTING WORK  
AREA OF APPROX 100 METRES  
IN LENGTH

INTERMITTENT STOPPING OF  
TRAFFIC IN ALL DIRECTIONS  
DURING ROAD CROSSINGS OF  
CABLES BETWEEN POLES

ALL SIGNS TO ADJUST TO  
SHIFTING WORK AREA. BE  
HIGHLY VISIBLE AND SPACED  
AS PER RTA WORKSITE  
MANUAL

AUTHOR

PETER WORTHINGTON

RTA D/I 4163010735

DATE 23/9/11

PROJECT  
NOVORAIL  
ROOSTERS TRAFFIC CONT  
RAILWAY PARADE  
GLENFIELD

**RTC**  
ROOSTER'S TRAFFIC CONTROL

PH 0417 060 395  
PO Box 3330, Narellan DC 2567

NORTH

NOT TO SCALE

MOBILE CRANE  
TO STAND  
INSIDE SITE  
HERE



TRANSMISSION CABLES

RAILWAY

REMOVE POLE



MOBILE CRANE



FRANNA



TRUCK

MOBILE CRANE



REMOVE POLE



RTC

ROAD CROSSING



GATE

60M Approx. 60M Approx. 60M Approx.

PREPARE TO STOP



RAILWAY

FOOTPATH

FOOTPATH

FOOTPATH

PARADE



PREPARE TO STOP



60M Approx. 60M Approx. 60M Approx.

BELMONT ROAD

TO  
HOSKING  
CRES



UBD MAP  
288 H10

NOVORAIL PROJECT TO  
REMOVE OVERHEAD  
TRANSMISSION CABLES AND  
POLES ALONG RAILWAY  
PARADE GLENFIELD

RESIDENT TRAFFIC  
AND PEDESTRIANS  
TO BE ESCORTED  
AROUND WORK AREA  
BY TRAFFIC  
CONTROLLERS

SHIFTING  
WORK  
AREA

60M Approx.

PREPARE TO STOP



60M Approx. 60M Approx.

55 TONNE MOBILE CRANE -  
FRANNA AND TRUCK TO  
OCCUPY HALF OF ROAD WITH  
STOP/SLOW MANAGEMENT IN  
PLACE



PROJECT  
SCHEDULED

13-16 OCT 2011  
07.00-16.30

SALISBURY AVE

60M Approx.

SEDDON  
PARK

60  
PREPARE TO STOP



ALL SIGNS TO ADJUST TO  
SHIFTING WORK AREA.  
BE HIGHLY VISIBLE AND  
SPACED AS PER RTA  
WORKSITE MANUAL

Newton Rd

PLAN  
No 3

**RTC**  
ROOSTER'S TRAFFIC CONTROL  
PH 0417 060 395  
PO Box 3330, Narellan DC 2567

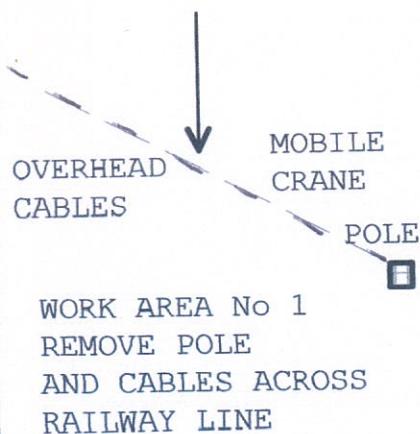
NORTH

NOT TO SCALE

AUTHOR  
PETER WORTHINGTON  
*P. Worthington*  
RTA D/I 4163010735

DATE 23/9/11  
PROJECT  
NOVORAIL  
ROOSTERS TRAFFIC CONT  
RAILWAY PARADE  
GLENFIELD

THIS SECTION OF  
PROJECT SCHEDULED  
13-16 OCT. 2011

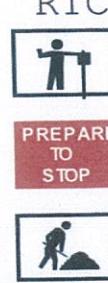


WORK AREA  
NEAR STATION  
ENTRY TO BE  
BETWEEN  
SCHEDULED  
TRAINS

WORK AREA  
No 2  
REMOVE POLE

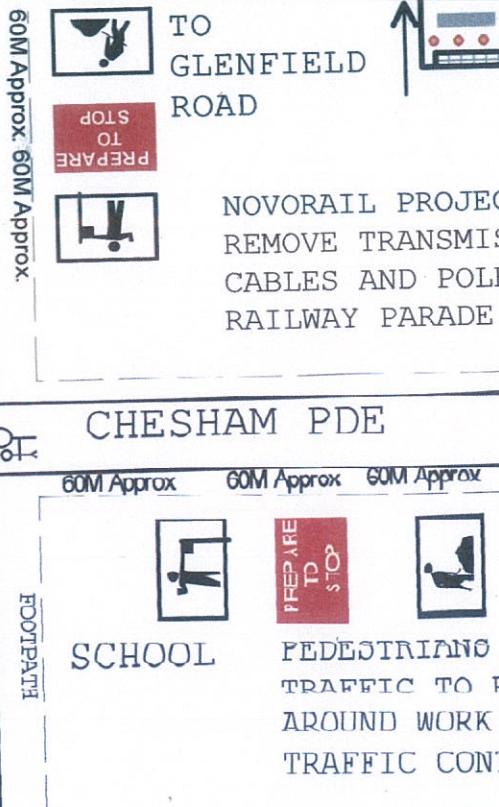
GLENFIELD STATION  
CONSTRUCTION SITE

60M Approx. 60M Approx.

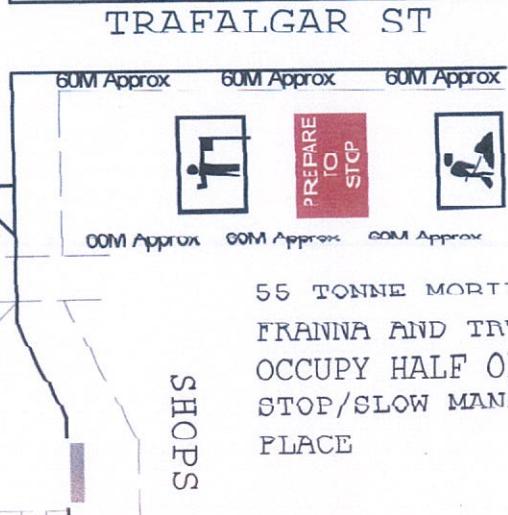


AUTHOR  
PETER WORTHINGTON  
*P.Worthington*  
RTA D/I 4163010735

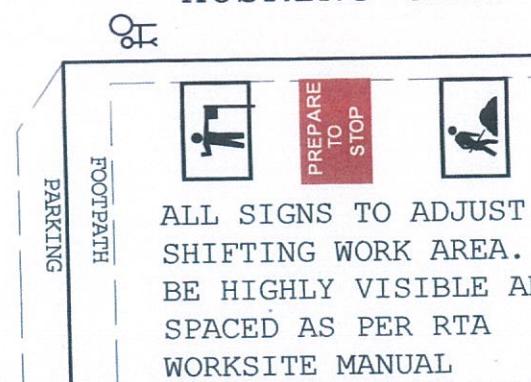
DATE 23/9/11  
PROJECT  
NOVORAIL  
ROOSTERS TRAFFIC CONT  
RAILWAY PARADE  
GLENFIELD



UBD MAP  
288 J9



PLAN  
No 4



RTC  
ROOSTERS TRAFFIC CONTROL  
PH 0417 060 395  
PO Box 3330, Narellan DC 2567

NORTH

NOT TO SCALE

**Safety and Environmental Management Plan**

Crane Operations

**Head Office** 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
**West Depot:** 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 63560616ACN 001802133

| <b>ORGANISATION NAME:</b> Gillespie Cranes Nominees   | PHONE/FAX: Head Office Telephone (02) 98181877,<br>Glendenning NSW Telephone (02) 8887 7888                    |  |
|---|--|--|
| <b>BUSINESS ADDRESS:</b> Head Office 84 Lilyfield Road, Rozelle NSW<br>West Depot: 37 Cox Place, Glendenning NSW                    | <b>PROJECT ADDRESS:</b> Glenfield Rd, Glenfield (Gate 1 Novorail Compound)                                     |  |
| <b>PROJECT NAME:</b> Laing O'Rourke   | <b>REVISION 1 &amp; DATE:</b> 10.10.11   |  |
| <b>Document Name/Reference:</b> Crane Set Up – CRANE C55 Job No 103126  | <b>DESCRIPTION OF TASK:</b> Remove power poles at various locations along rail corridor at multiple locations. |  |
| Job Date: 14.10.11 and 16.10.11   | Contact Name: Wayne Schofield<br>Contact Number: 0408164513  |  |
| This SWMS was prepared by: (insert name, signature and position below)  |  |  |
| NAME  | POSITION   | SIGNATURE  |
| Alison Jones  | HSEQ Coordinator   |  |
| This SWMS was approved by: (insert name, signature and position of senior management representative of the organization below)      |  | SIGNATURE  |
| NAME  | POSITION   | SIGNATURE  |
| John Gillespie  | Managing Director  |  |
| The names and positions of personnel assigned the responsibility for supervising this work and their qualifications are as follows: |  | QUALIFICATIONS   |
| NAME  | POSITION   |  |
| Graham Ackerman   | Supervisor   | Advanced Rigger/Crane Operator   |

The names and positions of personnel assigned the responsibility for supervising this work and their qualifications are as follows:

| NAME            | POSITION   | QUALIFICATIONS                 |
|-----------------|------------|--------------------------------|
| Graham Ackerman | Supervisor | Advanced Rigger/Crane Operator |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |
|                 |            |                                |

## Safety and Environmental Management Plan

Crane Operations

Head Office 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
West Depot: 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 635606 16 ACN 001 802 133

### Safe Work Method Statement

**areas designated by sign post, where instructed by Principal Contractor or where deemed necessary by site risk assessment.**

#### NSW and National Occupational Health & Safety Commission – Hierarchy of Control Definitions

Controlling the health and safety risks in a workplace is necessary to prevent injury and illness. First, identify and assess the risks, then decide on the best way to control them by applying the Hierarchy of Controls as follows:

1. **Elimination** - controlling the hazard at source
2. **Substitution** - replacing one substance or activity with a less hazardous one
3. **Isolation** – separating the hazard from the person
4. **Engineering** - installing guards on machinery
5. **Administration** - implementing policies and procedures for safe work practices
6. **Personal Protective Equipment** - use of goggles, respirators, and ear plugs etc.

When deciding on the best way to control a risk, start at the top of the hierarchy of controls, i.e. investigate if the risk can be eliminated first, for example by changing the way the work is done, or by using safer substances or equipment. This is the most effective way to control a hazard. If these methods are not possible, use engineering, isolation or administrative controls to reduce or minimise the risk.

#### Risk Assessment Matrix

| Likelihood  | Consequences | Risk Class       |          |            |   |
|---|--------------|------------------|----------|------------|---|
|   |              | Almost Certain 1 | Likely 2 | Possible 3 | Unlikely 4  |
| Extraordinary/Fatality/Irrversible Environmental Damage 1 | 1            | 2                | 3        | 4          | High / 1-4 Those risks with a relatively high likelihood and large impact |
| Major/Permanent Disability 2                              | 2            | 4                | 6        | 8          | Medium / 6/12 Risks with a medium likelihood or impact.                   |
| Significant Environmental Impact                          | 4            | 8                | 12       | 16         | Low / 16-32 Those risks with a relatively low likelihood and impact.      |
| Moderate/Lost Time/Minor Environmental Impact 4           | 8            | 16               | 24       | 32         |   |
| Minor/First Aid/Minimal Environmental Impact 8            |              |                  |          |            |   |

#### Consequence Description

| Consequence   | Description   | Likelihood     | Description  |
|---------------|---|----------------|--|
| Extraordinary | Catastrophic impact on project. Major incident involving fatalities or permanent disability.                  | Almost Certain | The event/impact is common and expected to occur in most circumstances ( <i>will occur regularly / 10 times for year</i> ) |
| Major         | Major negative impact on project. Serious injury or disease to staff or subcontractors or the general public. | Likely         | The event/impact has happened before and will probably occur again ( <i>will occur often / 5-10 times per year</i> )       |
| Moderate      | Significant negative impact on project. Medical treatment required loss of production capability.             | Possible       | This event/impact could occur at some time ( <i>is likely to occur few / 2-3 times per year</i> )                          |
| Minor         | Minor negative impact on project. First aid treatment required.   | Unlikely       | This event/impact is not likely to occur ( <i>is unlikely to occur more than once per year</i> )                           |

## Safety and Environmental Management Plan

Crane Operations

Head Office 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
West Depot: 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 633606 16 ACN 001 802 133

### Safe Work Method Statement

|   | WORK ACTIVITY SEQUENCE (STEP BY STEP)                  | HAZARDS         | RISKS   | RISK RANK | CONTROL MEASURES   | PERSON RESPONSIBLE | RESIDUAL RISK RANK |
|---|--|-----------------|---|-----------|--|--------------------|--------------------|
| 1 | Arrive at site office of Novo Rail and contact foreman | Traffic hazards | Damage crane/client vehicles/oncoming traffic | to 24     | <ul style="list-style-type: none"> <li>The crane shall be parked in compliance with principal contractor traffic management control plan.</li> </ul> | (Crane Driver)     | 32                 |

|                    |                                     |    |  |    |
|--------------------|-------------------------------------|----|--|----|
| Pedestrian Hazards | Personnel being struck by vehicle/s | 12 | <ul style="list-style-type: none"> <li>All Crane Crew to work in conjunction with traffic plan and Safe Work Methodology.</li> <li>All crane crew must wear High visibility clothing (Vest or shirt) hard hat, gloves &amp; safety boots.</li> </ul> | 16 |
|--------------------|-------------------------------------|----|--|----|

|   |                               |    |   |    |
|---|-------------------------------|----|---|----|
| Crushing/striking hazard – crane in travel mode | Striking injury to bystanders | 24 | <ul style="list-style-type: none"> <li>Traffic control personnel to ensure no pedestrians access crane standing/slewing and release areas.</li> <li>All mobile plant and equipment is equipped with reversing/travelling alarms (checked during pre-start operations) to ensure bystanders are visually and audibly aware of plant and equipment in use Reversing of vehicles to be minimized. Where reversing is required, spotter is to remain in visual contact with the operator at all times.</li> </ul> | 32 |
|---|-------------------------------|----|---|----|

**Safety and Environmental Management Plan**  
Crane Operations

Head Office 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
West Depot: 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 635606 16 ACN 001 802 133

**Safe Work Method Statement**

| Safe Work Method Statement |   |   |   |   |   |              |
|----------------------------|---|---|---|---|---|--------------|
| 5                          | Stabilize crane with outriggers for impending lift. (Set Crane computer settings to half outrigger. Place half outriggers on hardwood planks whilst bearing pads to support full outriggers where required) | Extending Outrigger   | Crushing injury by standers during release of outrigger | striking to 6   | <ul style="list-style-type: none"> <li>Ensure all persons are out of crush zone (during extension of outrigger), prior to releasing outrigger pins. Dogman to act as spotter when outrigger is moving to halfway outrigger span.</li> </ul> |              |
|                            | Poor Ground Conditions  | Load not be evenly distributed on base plate (poor ground conditions)           | 6   | <ul style="list-style-type: none"> <li>The Operator shall spread the initial load by placing floats (hardwood timbers) larger than the outrigger pad under the outrigger pads at the midway point.</li> </ul> | (Crane Crew/LOR Supervisor)   |              |
|                            | Heavy Timber Pads   | Manual Injury -lifting of timber pads for placement under outrigger plates      | 12  | <ul style="list-style-type: none"> <li>All persons shall use correct manual handling techniques as advised through GCS Induction.</li> </ul>  | (Crane Crew)  |              |
|                            | Base Plate (Failure of)   | Subsidence of crane causing destabilisation of crane and load                   | 6   | <ul style="list-style-type: none"> <li>Regular checks and annual inspections of cranes have been undertaken to detect structural defects on critical load bearing components.</li> </ul>                      | (GCS Maintenance program/crane safe)  |              |
|                            | Unsecured Outrigger   | Unintentional retraction of outriggers striking injury/destabilisation of crane | 6   | <ul style="list-style-type: none"> <li>Secure all outrigger beams against independent retraction with the locking pins.</li> </ul>  | (Crane Crew)  |              |
| 6                          | Rig main Boom   | Slippery deck   | Slips, trips and falls accessing crane                  | 12  | <ul style="list-style-type: none"> <li>Crane ladders attached to rig. Crane crew to maintain three points of contact whilst rigging main boom. Caution to be exercised when manoeuvring on plant.</li> </ul>                                | (Crane Crew) |
|                            |   |   |   |   | 16  |              |

**Safety and Environmental Management Plan**  
Crane Operations

Head Office 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
West Depot: 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 635606 16 ACN 001 802 133

| Safe Work Method Statement |  |              |   |   |  |   |
|----------------------------|--|--------------|---|---|--|---|
|                            |  |              |   |   |  |   |
| 9                          | Attach lifting gear to lift points   | Falling Load | Rigging failure (Drop/crush injury)               | Unstable loads – incorrect attachment (Drop/crush injury) | 24   | <ul style="list-style-type: none"> <li>All lifting gear shall be visually inspected prior to use by competent person. Certified dogger/rigger to select rigging gear prior to lift based on lift requirements.</li> </ul>   |
| 10                         | Lift pole from its current location (ensuring all persons clear of lift area.)<br>Slew pole and lower onto ground onto transport as supplied by others | Falling Load | Load collision with obstacles, plant or personnel | 6   | <ul style="list-style-type: none"> <li>Certified Dogman/Rigger to attach lifting chain to appropriate lift points</li> <li>All persons notified by toolbox talk to remain clear of lift and slew area.</li> <li>All persons not associated with lift to be out of the job site.</li> <li>Exclusion zone around pole established( area is determined by pole size)</li> </ul> | <ul style="list-style-type: none"> <li>Operator to slew load into position as directed by crew/client. Lift loads with CAUTION stopping when clearly suspended and ensure load stability prior to proceeding with lift operation.</li> <li>Crew to direct operator in the final positioning of load as directed by Principal. Ensure all unnecessary plant and personnel are clear of work zone prior to lifting. All loads to be under the control of and within view of the crane crew at all times Ensure suitable tag ropes are used as required Ensure suitable communication e.g. radio, whistle, hand signals or combination.</li> </ul> |
| 11                         | Dogman to remove slings when load is released by means   | Sharp edges  | Hand Injuries                                     | 12  | <ul style="list-style-type: none"> <li>Riggers to wear Rigging Gloves at all times.</li> <li>All crew to exercise correct manual handling techniques</li> </ul>  | <ul style="list-style-type: none"> <li>(Crew/LOR Supervisor)</li> <li>(Crew)</li> </ul>   |

## Safety and Environmental Management Plan

### Crane Operations

Head Office 84 Lilyfield Road, Rozelle NSW Telephone (02) 98181877  
West Depot: 37 Cox Place, Glendenning NSW Telephone (02) 8887 7888

ABN 635606 16 ACN 001 802 133

### Safe Work Method Statement

#### HEALTH AND SAFETY LEGISLATION:

- OHS Act 2000
- Rail Safety Act 2008 & Regulations
- NSW Regulation 2001
- Workplace Injury Management and Workers Compensation Act 1998
- Protection of the Environment Operations Act 1997

#### APPLICABLE AUSTRALIAN STANDARDS:

- AS 1657-1992 Fixed platforms, walkways, stairways and ladders - design, construction and installation (an approved industry code of practice)
- AS/NZS 1800:1998 Occupational protective helmets - selection, care and use
- AS/NZS 1336:1997 Recommended practices for occupational eye protection
- AS/NZS 1269 2005 Occupational noise management
- AS/NZS 1891.4:2000 Industrial fall-arrest systems and devices (an approved industry code of practice)
- AS 1418:2009 Cranes Hoists and Winches
- AS 3775:2004 Parts 1-2 Chain Slings Specification
- AS/NZS 1891 Industrial fall arrest systems and devices
- AS/NZS 4801:2001 OHS Management Systems
- AS/NZS 4602:1999 High visibility safety garments
- AS/NZS 2161 2008 Occupational protective gloves

#### APPLICABLE INDUSTRY CODES OF PRACTICE:

- National Code of Practice for Induction for Construction Work – 2007
- Moving Plant on Construction Sites Code of Practice - 2004
- Road Transport (Mass, Loading and Access) Regulation 2005
- NSW Work Near Overhead Power-lines Code of Practice 2006
- Manual Handling National Code of Practice (NOHSC) 2005
- Code of practice: OHS Consultation

#### MANUFACTURERS / SUPPLIERS SPECIFICATIONS:

- Crane Safety Manual
- CICA Log Book



**GILLESPIES**  
CRANE SERVICES



## Inspection and Service Document

84 LILYFIELD ROAD ROZELLE NSW 2039 Phone: 9819 1601  
37 COX PLACE GLENDENNING NSW 2761 Phone: (02) 8887 7888

Job Number 45500

| Inspection Item               | Action Taken | Inspection Item               | Action Taken | Date                  | 01/06/2011          |
|-------------------------------|--------------|-------------------------------|--------------|-----------------------|---------------------|
| <b>Engines</b>                |              | <b>Electrical</b>             |              | Unit No               | C55                 |
| 1 Oil Leaks                   | S            | 44 Batteries Condition        | S            | Make                  | 55 TONNE ALL TERRAI |
| 2 Water Leaks                 | S            | 45 Alternators Operation      | S            | Model                 |                     |
| 3 Radiator hose condition     | S            | 46 Head Lights Operation      | S            | Serial No             | 55552               |
| 4 Drive belt/s condition      | S            | 47 Clearance & Flash Lights   | S            | Engine Hours          |                     |
| 5 Air cleaner restriction     | S            | 48 Rotating Lights            | S            | Kms                   |                     |
| 6 Induction system            | S            |                               |              | Service Person        | PAUL PRITCHARD      |
| 7 Exhaust system              | S            | <b>Pneumatic</b>              |              | Qualification         | MECHANIC            |
| 8 Engine mounts               | S            | 49 Warning Lights & Gauge     | S            | Service Type          | Half                |
| 9 All fasteners correct       | S            | 50 Air Tanks Dry              | S            |                       |                     |
|                               |              | 51 Air Leaks                  | S            |                       |                     |
|                               |              | 52 Condition of hosing        | S            |                       |                     |
| <b>Cabins</b>                 |              |                               |              |                       |                     |
| 10 Seat & belt condition      | S            |                               |              |                       |                     |
| 11 Steering wheel             | S            | <b>Crane Inspection</b>       | Action Taken | <b>Service Items</b>  | <b>Action Taken</b> |
| 12 Internal lighting          | S            | 53 Control Levers Function    | S            | Engine Oil            | R                   |
| 13 Windscreen condition       | S            | 54 Liccon/or Other Operat.    | S            | Engine Oil Filters    | R                   |
| 14 Wiper function/condit.     | S            | 55 Load Meter Operation       | S            | Fuel Filters          | R                   |
| 15 Switch operation (all)     | S            | 56 Anti Two Block Operation   | S            | Air Filters           | C                   |
| 16 Controls / Pedals          | S            | 57 Warning Alarms/Systems     | S            | Power Steering Filter | N/A                 |
| 17 Gauge operation            | S            | 58 Load Chart Condition       | S            | Coolant Level         | C                   |
| 18 Instrument lighting        | S            | 59 Operators Manual           | S            | Coolant Filter        | S                   |
| 19 Air conditioning / heating | S            | 60 Horn Operation             | S            | Hydraulic Oil         | C                   |
|                               |              | 61 Slew Operation/Leaks       | S            | Hydraulic Filters     | S                   |
|                               |              | 62 Slew Brake Operation       | S            | Diff Oils             | S                   |
| <b>Drive Train</b>            |              | 63 Rotary Coupling Condit.    | S            | Gearbox Oil           | C                   |
| 20 Transmission oil leaks     | S            | 64 Slew Lock Pin & Indicator  | S            | Gearbox Filter        | S                   |
| 21 Mounts and control rods    | S            | 65 Slew Ring Bolts            | S            | Transfer Box          | S                   |
| 22 Flange / pump bolts        | S            | 66 Luff Cylinder Leaks        | S            | Planetary's           | S                   |
| 23 Drive shafts / Uni joints  | S            | 67 Luff Cylinder Pins & Pull  | S            | Winch Gearbox         | C                   |
| 24 Wheel / Hub / Axle leaks   | S            | 68 Boom Pivot Pins            | S            | Winch Brake           | S                   |
| 25 Wheel nuts and locks       | S            | 69 Boom Angle Ind. Device     | S            | Slew Gearbox          | C                   |
| 26 Tyre condition             | S            | 70 Wear Pad Condition         | S            | Battery Levels        | C                   |
| 27 Solenoids - functn - indic | S            | 71 Tele Cylinder Leaks        | S            | Pump Trans Box        | S                   |
|                               |              | 72 Tele Cylinder Lock Sys.    | S            | Auto Greaser          | S                   |
| <b>Steering System</b>        |              | 73 Winch/s Secure/Leaks       | S            |                       |                     |
| 28 Steer cylinder oil leaks   | S            | 74 All Sheaves                | S            |                       |                     |
| 29 Tie rod condition          | S            | 75 Hooks/Swages/Safety's      | S            |                       |                     |
| 30 Tie rod end condition      | S            | 76 Fly Jib Condition          | S            |                       |                     |
| 31 Steering box leaks/operat  | S            | 77 Level Set Up Indicator     | S            |                       |                     |
| 32 All attach points secure   | S            | 78 Outrigger Vertical Leaks   | S            |                       |                     |
|                               |              | 79 Outrigger Vertical Operat. | S            |                       |                     |
| <b>Braking System</b>         |              | 80 Outrigger Horiz. Leaks     | S            |                       |                     |
| 33 Wheel brake operation      | S            | 81 Outrigger Horiz. Operat.   | S            |                       |                     |
| 34 Wheel brake adjustment     | S            | 82 Outrigger Pins             | S            |                       |                     |
| 35 Brake lining wear          | S            | 83 Outrigger Pads Condition   | S            |                       |                     |
| 36 Trans retarder operation   | S            | 84 Outrigger Box Condition    | S            |                       |                     |
| 37 Telma retarder operation   | S            |                               |              |                       |                     |
| 38 Telma retarder attach      | S            |                               |              |                       |                     |
| 39 Park brake operation       | S            |                               |              |                       |                     |
|                               |              |                               |              |                       |                     |
| <b>Suspension System</b>      |              |                               |              |                       |                     |
| 40 Cylinders free from leaks  | S            |                               |              |                       |                     |
| 41 Suspension lock system     | S            |                               |              |                       |                     |
| 42 Self levelling system      | S            |                               |              |                       |                     |
| 43 Condition of gauges        | S            |                               |              |                       |                     |

### Comments

At the time of signing all items on this form relevant to this crane have undergone an operational and visual inspection and found to be in a serviceable condition.

Signed

C = Clean, Check or Adjust

R = Replace or Repair

N = Not Applicable

S = Serviceable

C55



Crane: Make Liebherr Model LTM 1055/1

Serial No. 055552 Expiry Date 31/01/2012

Owner's Name Gillespies Crane Services

Assessor's Name Troy Kiem No. NSW1082

This registration certificate shall be given no consideration to CraneSafe's assessment results. The Assessor's of the equipment has not been engaged by CraneSafe to inspect or evaluate this equipment to establish its safety or satisfactory operation.

|      |      |      |      |
|------|------|------|------|
| 2009 | 2011 | 2013 | 2015 |
|------|------|------|------|



**Employers Mutual**  
Since 1910

Employers Mutual NSW Limited

GPO Box 4143  
Sydney NSW 2001

DX 10175  
Sydney Stock Exchange

P: 02 8251 9000

P: 1800 469 931 (toll free)

F: 02 8251 9495 Claims

F: 02 8251 9496 Underwriting

[www.employersmutual.com.au](http://www.employersmutual.com.au)

## CERTIFICATE OF CURRENCY

GILLESPIE CRANE SERVICES  
84 LILYFIELD RD  
ROZELLE NSW 2039

Dear Sir/Madam,

### **1. STATEMENT OF COVERAGE**

The following policy of insurance covers the full amount of the employer's liability under the Workers Compensation Act 1987.

This Certificate is valid from **30/06/2011** to **30/06/2012**

The information provided in this Certificate of Currency is correct at:

**1/07/2011**

### **2. EMPLOYERS INFORMATION**

POLICY NUMBER 93651016

LEGAL NAME GILLESPIES CRANES NOMINEES PTY LIMITED ATF  
GILLESPIE FAMILY TRUS

TRADING NAME GILLESPIE CRANE SERVICES

ABN 63 136 560 616

ACN 001 802 133

| WorkCover<br>Industry<br>Classification<br>number (WIC) | Industry   | Numbers of<br>Workers+ | Wages*      |
|---|--|------------------------|-------------|
| 774310  | Plant and Machinery Hiring and Leasing<br>Without Operator | 48                     | \$2,491,071 |
| 774320  | Plant and Machinery Hiring and Leasing With<br>Operator    | 42                     | \$1,277,544 |

+ Number of workers includes contractors/deemed workers

\* Total wages estimated for the current period

### **3. IMPORTANT INFORMATION**

Principals relying on this certificate should ensure it is accompanied by a statement under section 175B of the *Workers Compensation Act 1987*. Principals should also check and satisfy themselves that the information is correct and ensure that the proper workers compensation insurance is in place i.e. Compare the number of employees on site to the average number of employees estimated; ensure that the wages are reasonable to cover the labour component of the work being performed; and confirm that the description of the industry/industries noted is appropriate.

A Principal contractor may become liable for any outstanding premium of the sub-contractor if the principal has failed to obtain a statement or has accepted a statement where there was reason to believe it was false.

Yours Faithfully,

Underwriting Department  
Employers Mutual

uw032



Agent for the NSW WorkCover Scheme ABN 83 564 379 108 GST Branch No 005

Sydney

Adelaide

Newcastle

Parramatta

Gosford