

ORGANISATION DETAILS			
<b>Organisation Name:</b>	Gedoun Constructions Pty Ltd	<b>Contact Name:</b>	Joe Gedoun
<b>ACN/ABN:</b>	52 284 873 581	<b>Contact Position:</b>	Director
<b>Address:</b>	PO Box 1138, Townsville QLD 4810	<b>Contact Phone Number:</b>	0412 968 974

PROJECT DETAILS			
<b>Project:</b>	Gedoun Construction Sites	<b>Project Address:</b>	Gedoun Construction Sites
<b>Project No:</b>		<b>This WMS has been developed in consultation with:</b>	Joe Gedoun
<b>Activity:</b>	Crane driver/Rigger/Dogman Spotter		<b>Reviewed by:</b>
		<b>Position:</b>	Contract Administrator
<b>Training/Instructions to be provided:</b>	<input checked="" type="checkbox"/> Site Induction Training <input checked="" type="checkbox"/> OHS Induction Card Training <input checked="" type="checkbox"/> Manual Handling Training	<input checked="" type="checkbox"/> Task Specific Training, Manual Handling Training <input checked="" type="checkbox"/> Training Specified in any MSDS <input checked="" type="checkbox"/> Other (Specify): Certificate of Competency – Crane driver/Rigger/Dogman Competency Assessment- Mobile Plant Operation Verification of Competence	
<b>Resources/Trades Involved:</b>	Crane driver Rigger/Dogman spotter	<b>Engineering Details/Certificates/EPA/QLD Work Place Health &amp; Safety Approvals:</b>	Crane safe 10 Yearly (if applicably) Certificate of registration (WH&S QLD)
<b>Plant/Equipment Used:</b>	Mobile Crane- (service every 500 hours operated) Lifting Equipment- Chains & lifting vessels (Service-yearly), Slings (inspection- 3 monthly)	<b>Warning Signs and Controls Measures:</b>	As per Displayed Signage
		<b>Details of Emergency Procedures:</b>	As per Site Safety Plan
<b>Personal Protective Equipment (PPE) to be used:</b>	High Visibility Clothing and Safety Footwear (Steel Capped Boots) are to be worn by ALL worksites. Fire retardant material long sleeve shirt, trousers, safety helmet, safety glasses, rescue kit, low voltage insulating gloves. Spill Kit Fire Extinguisher	<b>Safety Data Sheets Required:</b>	NIL

PROJECT DETAILS			
<p><b>Occupational Health Safety or Environmental Legislation:</b></p>	<ul style="list-style-type: none"> <li>• Queensland Acts &amp; Regulations</li> <li>• Workplace Health &amp; Safety Act 2011, Workplace Health &amp; Safety Regulations 2011</li> <li>• Electrical Safety Act 2015, Electrical Safety Regulations 2013</li> <li>• Building and Construction Industry Improvement Acts 2005</li> </ul>	<p><b>Codes and/or Standards Applicable to the Works:</b></p>	<p>Building Code of Australia 2010 Queensland &amp; National Codes of Practice:</p> <ul style="list-style-type: none"> <li>• Building and Construction 2000 Updated 2011</li> <li>• Noise 2004</li> <li>• Scaffold 2009</li> <li>• Electrical 2013</li> <li>• Manual Tasks 2010</li> <li>• Plant 2013</li> <li>• First Aid 2015</li> <li>• Hazardous Substances 2011</li> <li>• Prevention of Falls in Housing Construction 2012</li> <li>• Construction Work 2013</li> <li>• Building Code of Australia 2015</li> <li>• Hazardous Substance Code of Practice 2003</li> </ul> <p>National Standards:</p> <ul style="list-style-type: none"> <li>• Risk Management AS/NZS15031000:2009</li> <li>• National Standard for Construction Work NOSHC:1016 (2005)</li> <li>• National Standard for Manual Tasks 2007</li> </ul>

HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
Work site set up	- Unauthorised access to work site location	3	5	15	- An exclusion zone shall exist for the area as determined in the daily briefing	2	2	4	Supervisor
	- Unaware of site responsibilities	3	5	15	- Crane driver to undertake site specific induction and participate in daily per-start meetings – include the nominated restrictions for lifting in area	2	1	2	Crane Driver
	- Public vehicles entering the unloading zone during the crane unloading process	3	5	15	- The unloading zone to be delineated and controlled using certified Traffic Controller	2	1	2	Truck Driver/Supervisor
	- Slips and falls while accessing the crane for unloading	4	3	12	- Crane driver to ensure access to the crane is clear of obstacles. Gloves to be worn and boots to be dry and free of mud	2	2	4	Crane Driver
	- Unserviceable machine due to lack of maintenance	3	5	15	- Crane driver to undertake a documented pre-start checklist – booklet located on the machinery	2	2	4	Crane Driver
	- Unsafe access to work site location due to other work group and potential hazards	3	5	15	- Prior to accessing the site the crane driver will walk and inspect the travel path to identify any potential hazards and review site plans to identify the location of underground or overhead services	2	2	4	Client Supervisor/Crane Driver
	- Collision other plant and the mobile crane due to lack of communication	1	5	5	- Crane Drivers/Riggers and Supervisors to establish a communication strategy which will be used during all crane operation or other plant being used in proximity of the crane	2	1	2	Crane Drivers/Riggers/Spotter
	- Unsafe operations during inclement weather event	1	5	5	- The operator/supervisor will consultant with obtain information about predicated weather conditions for the duration of the works	2	1	2	Supervisor/Operator

HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
Work site set up	- Unsafe slings/chains due to lack of maintenance	3	5	15	- Operator will inspect the slings and chains for current date and damage. If not current or damaged DO NOT USE, report and apply an 'out of service' tag on the defective item	2	2	4	Supervisor/Operator
	- Fatigue/Strains whilst setting up crane	3	5	15	- Refer to WMS_HJS-WMS-SE-002-001	2	2	4	All persons
Crane Assembly (installation of counter weights)	- Crush injury to personnel on the ground as the counter weights are travelled from the truck to the crane for assembly	3	5	15	- An exclusion zone is to be established to prevent unauthorized entry to the location by non-essential personnel	2	1	2	Crane Driver/Rigger/Supervisor
	- Crush injury if the counter weight dislodged and comes in to contact with operational personnel	2	5	10	- At all times personnel are not to walk under suspended loads and the Crane Driver is not to travel loads over personnel on the ground. A tag line will be attached to all loads-two tag lines may be required	2	1	2	Crane Driver/Rigger/Dogman
	- Cutting/Stabbing injuries while slinging and shifting counter weights	3	2	6	- All site personnel to wear gloves at all times	2	1	2	Rigger/Dogman
	- Falling from heights during installation of counter weights	3	5	15	- Platform ladder to be used to attach bracket and chains to the counter weights – no personnel to climb on crane	2	2	4	Crane Driver/Rigger
Crane positioning and set up	- Set up of crane and out riggers, Crane collapse due to uneven or soft ground	3	5	15	- Crane driver to inspect the crane set up site and ensure the ground surface is even and review the site plan to ensure underground services do not exist within the area. Pads to be used and placed in a hatch pattern if more than one high. If unsure of ground condition request	2	2	4	Crane Driver/ Client supervisor

HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
				15	a Geo Tec report			4	
Crane positioning and set up	- Crane tips due to underground services collapse	3	5	15	- Request mark-out of route of underground services on the site ground	2	2	4	Supervisor
	- Crane collapse due to incorrect set up	3	5	15	- Prior to operating the crane driver will undertake a safety walk around inspection as per manufactures specification and site conditions. Crane Driver will undertake a "PROOF" lift of a known weight to verify the load lifting telemetry is within the specifications. Crane Driver will conduct a "Dummy Run" to check the crane operation	2	1	2	Crane Driver
	- Collision with existing structures and other plant	3	5	15	- Other plant to only operate outside of the cranes exclusion zone of 3m. Crane to maintain a minimum 3m distance from existing structures	2	2	4	Spotter
	- Load shifting or falling due to faulty lifting equipment	3	3	9	- All lifting equipment to be inspected for damage prior to use. Ensure all lifting equipment is tagged and within test date	2	1	2	Riggers/Dogman
	- Crane mobilising around site, collision with other plant/equipment - Crane contact with power lines	3	5	15	- Use spotter when moving crane from location to location, ensure that rout is walked by operator and any hazards are noted before commencing mobilization - Place witches hats or barricading around crane if located close to road way - Ensure that boom is locked into cradle and out riggers are retraced before moving. - Mark nominate boom exclusion zone on the	2	2	4	Crane Driver/Supervisor

HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
				20	ground as reference for the spotter to ensure no access			4	
Crane positioning and set up	- Falling object due to incorrect slung load	4	5	20	<ul style="list-style-type: none"> <li>- Ensure spotter is used if risk of coming within 3m of power lines</li> <li>- All loads to be slung by a certified rigger with checked slings/ chains ensuring the slings/chains are positioned to avoid unplanned load slippage or readjustment of the load</li> <li>- All personnel working within the slew path of the load will not walk under or allow a suspended load to pass over them at any time. The Crane Driver will ensure the slew path of the load is clear of any personnel prior to/ during travel and placement of the suspended load</li> <li>- All loads to be left slung until load has been secured or is placed and is not hazardous if unslung</li> <li>- All slings to be synthetic or double wrapped chains</li> </ul>	2	2	4	Supervisor Rigger/Crane Driver Site Personnel
Picking/Lifting/positioning and removal of items	- Crush injury to personnel on the ground as the item is being moved	3	5	15	- An exclusion travel zone is to be established to prevent unauthorized entry to the location by non-essential personnel	2	2	4	Crane Driver/Rigger/Dogman
	- Crush injury if the materials dislodged and comes in to contact with operational personnel	2	5	10	- At all times personnel are not to walk under suspended loads and the Crane Driver is not to travel loads over personnel on the ground. A tag line will be attached to all loads	2	2	4	Crane Driver/Rigger/Dogman

HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
Picking/Lifting/positioning and removal of items	- Cutting/Stabbing injuries while slinging and shifting counter weights	3	2	6	- All site personnel to wear gloves at all times	2	2	4	Rigger/Dogman
	- Crane tips due to underground services collapsing.	3	5	15	- All underground services are to be identified and marked; crane shall be set up in accordance with working next to an excavation	2	2	4	Dogman
	- Crane contact with power lines	3	5	15	- During the lifting activity a spotter will remain in visual contact with exclusion zone and UHF radio contact with the crane operator to prevent breach of nominated zone	2	2	4	Spotter
	- Objects falling from heights and contacting personnel below	3	5	15	- Ensure load is position suitably to avoid slippage and attach a tag line, riggers to sling load - Before lifting the lifting path is to be accessed-avoid lifting over others - Dogman shall give verbal instructions to alert workers in the lifting path and direct workers away from positions directly under load - No unauthorized persons to be in the exclusion zone	2	1	2	Operator/Dogman
	- Collision of load with existing structures and other plant	3	5	15	- Ensure load is position suitably to avoid slippage and attach a tag line. - During lifting activity rigger/spotter will remain in contact with the Crane operator to advise of any pending hazards	2	1	2	Operator
Refuelling – via tanker	- Unauthorised access to fuelling area	3	5	15	- Install an exclusion zone around the operational fuelling zone to include cones, bollards and/or safety signs	2	1	2	Supervisor/Operator

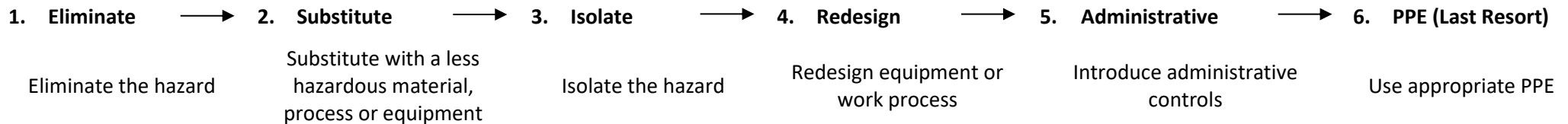
HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
Refuelling – via tanker	- Fire or explosion via static charge build up	3	5	15	- Operator must be wearing gloves - Static strap to be connected before transfer of fuel commences - Once fuelling of crane complete, must wait mandated time before disconnecting static strap	2	1	2	Supervisor/Operator
	- Site contamination or exposure to chemicals due to a fuel spill	2	5	10	- Appropriate fuel kit, provided on tanker, to use to contain, clean and disposal of spill - Ref – WMS_TRAG-WMS-SE-003-001	2	2	4	Operator
Exiting the work site to loading areas	- Unsafe access to work site location due to other work group	3	5	15	- Prior to accessing the site the crane driver will walk and inspect the travel path to identify any potential hazards and review site plans to identify the location of underground or overhead services.	2	1	2	Crane Driver/Supervisor
	- Crane unstable for transporting	3	5	15	- Crane Driver will undertake a final safety inspection and lock down the crane for transportation	2	1	2	Supervisor/Operator
	- Theft while waiting for transport	3	3	9	- Crane Driver will lock down controls and give the keys to the supervisor	2	1	2	Crane Driver/Supervisor
	- Faulty lifting gear and equipment damage during the job	3	3	9	- The Crane Driver and Rigger will inspect all lifting gear and equipment prior to storage. Any damage will be reported to the Supervisor who will replace any damaged equipment or gear	2	2	4	Crane Driver/Rigger
	- Site left in an untidy state at the completion or exiting the site	3	3	9	- The supervisor will coordinate the removal of rubbish/scrap or unused materials for waste or recycling	2	2	4	Supervisor
	- Public vehicles entering	3	5	15	- The loading zone to be delineated and	2	2	4	Truck Driver/Supervisor



HIGH RISK ACTIVITY: OPERATING A BOOM LIFT									
JOB STEP	POTENTIAL HAZARDS	RISK SCORE (Before Control Measures)			CONTROLS	RESIDUAL RISK (After Control Measures)			PERSON RESPONSIBLE
		L	C	R		L	C	R	
	the loading zone during the crane unloading process				controlled using certified Traffic Controller				

RISK MATRIX					
LIKELIHOOD	CONSEQUENCES				
	INSIGNIFICANT (1)	MINOR (2)	MODERATE (3)	MAJOR (4)	CATASTROPHIC (5)
RARE (1)	Low (1)	Low (2)	Low (3)	Moderate (4)	Moderate (4)
UNLIKELY (2)	Low (2)	Moderate (4)	Moderate (6)	Moderate (8)	High (10)
POSSIBLE (3)	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
LIKELY (4)	Moderate (4)	Moderate (8)	High (12)	Catastrophic (16)	Catastrophic (20)
ALMOST CERTAIN (5)	Moderate (5)	High (10)	High (15)	Catastrophic (20)	Catastrophic (25)

If the residual risk is	Catastrophic (16+)	Then	Work is unable to proceed. Seek other methods (Significant)
	High (10 – 15)	Then	Permission from <b>High Level Management</b> for work to proceed (Significant)
	Moderate (4 – 9)	Then	Permission from <b>Worker in Charge</b> for work to proceed (Insignificant)
	Low (1 – 3)	Then	Work able to proceed (Insignificant)







**C = Consequence**

- 5 = **Catastrophic** = Fatality, permanent disability, long term widespread impacts, huge financial loss
- 4 = **Major** = Permanent disability or extensive injuries, medium to long term widespread impact, major financial loss
- 3 = **Moderate** = Lost time injury, reversible medium term local impact, high financial loss
- 2 = **Minor** = Medical treatment, reversible short – medium term impact to local area, medium financial loss
- 1 = **Insignificant** = First aid, limited impact to minimal area, low financial loss


**L = Likelihood**

- 5 = **Almost Certain** = It is almost certain that the risk will occur in most circumstances
- 4 = **Likely** = The risk is likely to occur in most circumstances
- 3 = **Possible** = There is uncertainty that the risk could occur
- 2 = **Unlikely** = The risk could occur at some time but there is confidence that it will not
- 1 = **Rare** = The impact/risk may occur only in exceptional circumstances

**I HAVE BEEN CONSULTED AND I ASSISTED IN DEVELOPPING THE WORK METHOS STATEMENTS THAT APPLY TO MY WORK ACTIVITIES.  
I WILL COMPLY WITH ITS SAFE WORK PRACTICE.**

PRINT NAMES	POSITION/TRADE	SIGNATURE	DATE
JOE GEDOUN	DIRECTOR/SITE MANAGER		16 October 2017
MATTHEW CARROLL	SITE SUPERVISOR		16 October 2017
CRAIG PENSINI	SITE SUPERVISOR		16 October 2017
BOYD TURNER	SITE SUPERVISOR		16 October 2017

**MONITORING AND REVIEWING OF WMS USE AND EFFECTIVENESS**

NAME	SIGNATURE	DATE
STACY JACOBSEN		16 October 2017