



# DX190W TECHNICAL DATA



MODEL	DESCRIPTION	APPROX WEIGHT	41,998 LBS
DX190W-5-US30	BASE MACHINE WITH CAB, HAET & A/C 17'0" (5.2 M) BOOM 8'6" (2.6 M) ARM TWO INDEPENDENT OUTRIGGERS WITH CRADLE - FRONT TWO INDEPENDENT OUTRIGGERS - REAR 10.0-20-16 PR DUAL TIRES 7937 LBS (3600 KG) COUNTERWEIGHT ONE AND TWO WAY AUXILIARY PIPING TO END OF ARM ROTATE CIRCUIT PIPING 48" DIGGING BUCKET WITH TEETH AND SIDE CUTTERS 60" CLEAN OUT BUCKET WITH BOLT ON CUTTING EDGE MECHANICAL THUMB PATTERN CHANGE VALVE		

**STANDARD EQUIPMENT FOR BASE MACHINE**

<p><b>Engine</b></p>	<p>Doosan DL06KB Tier 4; Turbo Charged Air to Air Intercool                  Electronically Controlled Common Rail Direct Injected                  Exhaust Gas Recirculation,DOC, SCR                  Displacement 359 cu.in.                  6 Cylinder Bore 100mm Diameter x 125mm Stroke                  Torque, 557 ft. lbs @ 1,400 rpm                  168 HP(SAE J1349) Net Flywheel Horsepower @ 2000 rpm                  Auto Idle System                  Equipped with the Fuel Pre-filter with Water Separator                  Radiator Reserve Tank                  Large Capacity Double Element Air Cleaner with Evacuate                  Electronic Engine Speed Control                  Engine Overheat and Low Oil Pressure Prevention System                  High Idle 2000 ±50 rpm, Low Idle 800 ± 20 rpm                  24 V, 80 amp Alternator                  24 V x 6.0 kW Starter                  24V system, 2 x 12V batteries with 150AH Capacity</p>
<p><b>Hydraulic</b></p>	<p>Pilot Operated Control Valves, (9) Spools(Mono Boom), (1                  Main Pumps: Parallel, Bent-Axis, Axial Piston Type, Max. f                  Auxiliary Spool with Two Pump Flow                  Pilot Circuit, Gear Type Pump                  Swing Motor, Axial Piston Type                  Swing Speed Control up to 10.9 RPM                  Maximum Swing Torque 46,638 ft.·lbs.                  Four Operating Modes (Digging, Lifting, Breaker, Shear) w                  Button Control of Flow in Auxiliary Equipment Circuits                  Button Control to Preset Attachment Flow and Pressure                  Computer-aided Pump Power Control                  e-EPOS (Electronic Power Optimizing System) Controller</p>
<p><b>Cab</b></p>	<p>Steel, All Weather Sound Suppressed ROPS Type                  Fully Automatic Controlled Air Conditioner with Heat                  7" Multi-function Color LCD Monitor Panel                  Cigarette Lighter                  Door Locks                  Front Windshield Wiper with Washer                  Radio: MP3 Stereo with CD Player                  Audio Control Panel On/Off Switch, Control Volume, Chan                  Auxiliary Mode Switch                  Engine Emergency Stop Switch                  Work Light Switch                  Travel Speed Selector Switch (Creep, Low, High)                  Breaker, Power-up. Shear Switch                  DeSOX Switch                  Safety Glass. Tinted                  Safety Lock Lever                  Seat:                      Heated Air Suspension with Seat Belt (2" Wide)                      Reclining, Height Adjustable                      Adjustable Arm Rests                      Sliding Control Console                  Skylight                  Pull Up Type Front Window                  Removable Lower Front Window with Storage Behind Sea                  Sliding Side Windows                  Front Window Air Defroster                  Travel Pedals with Hand Levers                  Floor Pedal for Control of Two Way Hydraulic Flow                  Emergency Breakout Tool                  Lunch Box with Hot &amp; Cool Air</p>

	<p>12V Power Socket                  Height Adjustable Control Stands                  Joystick Lever with 3 Switches, Two Button and One Rotat                  Cup Holder                  Room Light                  Serial Communication Port for Laptop PC Interface (DMS)                  Viscous Cab Mounts</p>
<b>Electrical</b>	<p>Lights: Hologen Working Light (2) Machine, (2) Boom                  Electric Horn                  Hour Meter                  Alarm Buzzer for:                      Engine Oil Pressure                      Coolant Temperature                  Electronic Monitor for:                      Engine Coolant Temperature Gauge                      Fuel Gauge                      Hydraulic Oil Temperature Gauge                  Multi-function Display for:                      Engine RPM                      Battery Voltage Warning Symbol                      Front and Rear Hydraulic Pump Pressure                      ECO Gauge                      Hydraulic Oil Overheating Warning                      Fuel Shortage Warning                      Air Cleaner Clogging Warning                      Pilot Filter Clogging Warning                      Return Filter Clogging Warning                      Digital Clock                      Engine Check Warning Light                      Engine Oil Pressure Warning Light                      Charge Warning Light                      Preheat Indicator Light                      Coolant Temperature Warning Light                      Work Light Indicator Light                      Water in the Fuel Warning Light                  Operation Modes for:                      Power Mode Select Button (P+,P,S,E) with SPC                      Work Mode (DIGGING, LIFTING, BREAKER, SHEAR)                      Flow Rate Control                      Auto Idle Select Button                      Rear View Camera Button                      Jog Switch to Control Monitor</p>
<b>Operation Modes</b>	<p>Power Mode Select Button (P+,P,S,E) with SPC                  Work Mode (DIGGING, LIFTING, BREAKER, SHEAR)                  Flow Rate Control                  Auto Idle Select Button                  Rear View Camera Button                  Jog Switch to Control Monitor</p>
<b>Undercarriage</b>	<p>Fully Floating Planetary Drive (Front and Rear Axle)                  Bent Axis Piston Travel Motors                  2 Speed , Power -Shift Transmission                  Lockable Front Axle with 7.94° Oscillation</p>
<b>Other</b>	<p>Large Handrail                  Punched Metal Anti-slip Plates                  Engine Restart Prevention System                  Rear View Camera                  Side Mirror                  Emergency Steering</p>



## GENERAL SPECIFICATIONS

	ITEMS	UNIT	STANDARD
ENGINE	MODEL		Doosan DL06 Diesel, Tier III Certified
	NUMBER OF CYLINDERS		6
	RATED FLYWHEEL POWER (hp PER SAE J1995) GROSS	hp / rpm	163 / 1,900
		kW / rpm	121 / 1,900
	RATED FLYWHEEL POWER (hp PER SAE J1349) NET	hp / rpm	155 / 1,900
		kW / rpm	116 / 1,900
	MAXIMUM TORQUE (GROSS) (SAE J1995)	ft. lb. / rpm	521 / 1,400
		Nm / rpm	706 / 1,400
	PISTON DISPLACEMENT	in. <sup>3</sup>	359
		cc	5,890
	BORE AND STROKE	in. x in.	3.9 x 4.9
mm x mm		100 x 125	
STARTER	V / kW	24 V, 4.5 kW	
BATTERIES	V / AH	2 x 12 V x 100 AH	
AIR CLEANER		Double element with auto dust evacuation.	
MAIN PUMPS – 2 VARIABLE DISPLACEMENT AXIAL PISTON PUMPS MAX FLOW	US gpm	2 x 52.8	
	L/min.	2 x 200	
PILOT PUMP (GEAR DESIGN)	MAXIMUM FLOW	US gpm	6.9
		L/min.	26
	RELIEF PRESSURE	psi	569
		bar	39
MAXIMUM SYSTEM PRESSURE	BOOM/ARM/BUCKET (NORMAL MODE)	psi	4,694
		bar	324
	BOOM/ARM/BUCKET (POWER MODE)	psi	4,978
		bar	343
	TRAVEL	psi	4,978
		bar	343
SWING	psi	3,840	
	bar	265	
ENVIRONMENT	SOUND LEVEL (2000/14/EC)	dB(A)	101
	CABIN SOUND LEVEL (ISO 6396)	dB(A)	74
SWING MECHANISM	SWING SPEED	rpm	0 - 10.9
DRIVE SYSTEM	TRAVEL SPEED (FAST/SLOW)	mph	22.4
		km / h.	36
	DRAWBAR PULL	lb.	24,416
		kg	11,075
	MAXIMUM GRADE	%	70
		°	35

# DX190W

ITEMS		UNIT	STANDARD
REFILL CAPACITIES	FUEL TANK	US gal.	82
		L	310
	COOLING SYSTEM (RADIATOR CAPACITY)	qt.	25.4
		L	24
	ENGINE OIL	qt.	26.4
		L	25
	SWING DRIVE	qt.	4
		L	3.8
	FRONT AXLE	qt.	2.6
		L	2.5
	REAR AXLE	US gal.	2.6
		L	2.5
	TRANSMISSION	US gal.	2.6
		L	2.5
	HYDRAULIC SYSTEM	US gal.	54.2
		L	205
HYDRAULIC TANK	US gal.	30.6	
	L	116	

## WEIGHT

<b>BOOM</b>	17' 1" (5,200 mm) One-Piece or 12' 6" + 6' 4" (3,820 mm + 1,940 mm) Two-Piece		
<b>ARM</b>	8' 6" (2,600 mm) Arm for One-Piece Boom or 7' 7" (2,300 mm) Arm for Two-Piece Boom		
<b>BUCKET</b>	1.05 yd. <sup>3</sup> (0.8 m <sup>3</sup> )		
UNDERCARRIAGE TYPE		OPERATING WEIGHT (ONE-PIECE BOOM)	OPERATING WEIGHT (TWO-PIECE BOOM)
FRONT ATTACHMENT	REAR ATTACHMENT		
CRADLE	DOZER	39,176 lb. (17,770 kg)	40,278 lb. (18,270 kg)
CRADLE	OUTRIGGER	39,507 lb. (17,920 kg)	40,587 lb. (18,410 kg)
DOZER	OUTRIGGER	41,557 lb. (18,850 kg)	42,615 lb. (19,330 kg)
OUTRIGGER	DOZER	41,689 lb. (18,910 kg)	42,748 lb. (19,390 kg)
OUTRIGGER	OUTRIGGER	41,998 lb. (19,050 kg)	43,056 lb. (19,530 kg)



## HYDRAULIC CYLINDERS

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

ONE-PIECE BOOM		
CYLINDERS	QUANTITY	BORE x ROD DIAMETER x STROKE
BOOM	2	4.7" x 3.3" x 3' 11" (120 x 85 x 1,195 mm)
ARM (SHORT)	1	4.9" x 3.5" x 4' 10" (125 x 90 x 1,470 mm)
BUCKET	1	4.5" x 3.1" x 3' 4" (115 x 80 x 1,025 mm)
TWO-PIECE BOOM		
CYLINDERS	QUANTITY	BORE x ROD DIAMETER x STROKE
BOOM	2	4.7" x 3.3" x 3' 5" (120 x 85 x 1,030 mm)
TWO-PIECE BOOM	1	6.3" x 3.7" x 2' 6" (160 x 95 x 760 mm)
ARM (LONG)	1	4.9" x 3.5" x 4' 10" (125 x 90 x 1,470 mm)
BUCKET	1	4.5" x 3.1" x 3' 4" (115 x 80 x 1,025 mm)

## BUCKET

CAPACITY		WIDTH		WEIGHT	RECOMMENDATIONS				
					17' 1" (5,200 mm) ONE-PIECE BOOM			17' 7" (5,360 mm) TWO-PIECE BOOM	
SAE, HEAPED	CECE, HEAPED	WITHOUT SIDE CUTTERS	WITH SIDE CUTTERS		7' 3" (2,200 mm) ARM	8' 6" (2,600 mm) ARM	10' 2" (3,100 mm) ARM	7' 7" (2,300 mm) ARM	8' 6" (2,600 mm) ARM
0.5 yd. <sup>3</sup> (0.38 m <sup>3</sup> )	0.46 yd. <sup>3</sup> (0.35 m <sup>3</sup> )	23.8" (604 mm)	25.2" (640 mm)	972 lb. (441 kg)	A	A	A	A	A
0.59 yd. <sup>3</sup> (0.45 m <sup>3</sup> )	0.54 yd. <sup>3</sup> (0.41 m <sup>3</sup> )	28.6" (727 mm)	30.5" (775 mm)	1,025 lb. (465 kg)	A	A	A	A	A
0.75 yd. <sup>3</sup> (0.57 m <sup>3</sup> )	0.67 yd. <sup>3</sup> (0.51 m <sup>3</sup> )	34.1" (865 mm)	35.9" (913 mm)	1,146 lb. (520 kg)	A	A	B	A	A
0.92 yd. <sup>3</sup> (0.7 m <sup>3</sup> )	0.81 yd. <sup>3</sup> (0.62 m <sup>3</sup> )	40" (1,015 mm)	41.9" (1,063 mm)	1,250 lb. (567 kg)	A	B	C	A	A
1 yd. <sup>3</sup> (0.76 m <sup>3</sup> )	0.88 yd. <sup>3</sup> (0.67 m <sup>3</sup> )	42.5" (1,079 mm)	44.8" (1,127 mm)	1,327 lb. (602 kg)	B	B	C	A	B
1.05 yd. <sup>3</sup> (0.8 m <sup>3</sup> )	0.92 yd. <sup>3</sup> (0.70 m <sup>3</sup> )	44.2" (1,123 mm)	46.1" (1,171 mm)	1,358 lb. (616 kg)	B	C	-	B	C
1.22 yd. <sup>3</sup> (0.93 m <sup>3</sup> )	1.06 yd. <sup>3</sup> (0.81 m <sup>3</sup> )	49.9" (1,267 mm)	51.8" (1,315 mm)	1,332 lb. (664 kg)	C	-	-	C	-

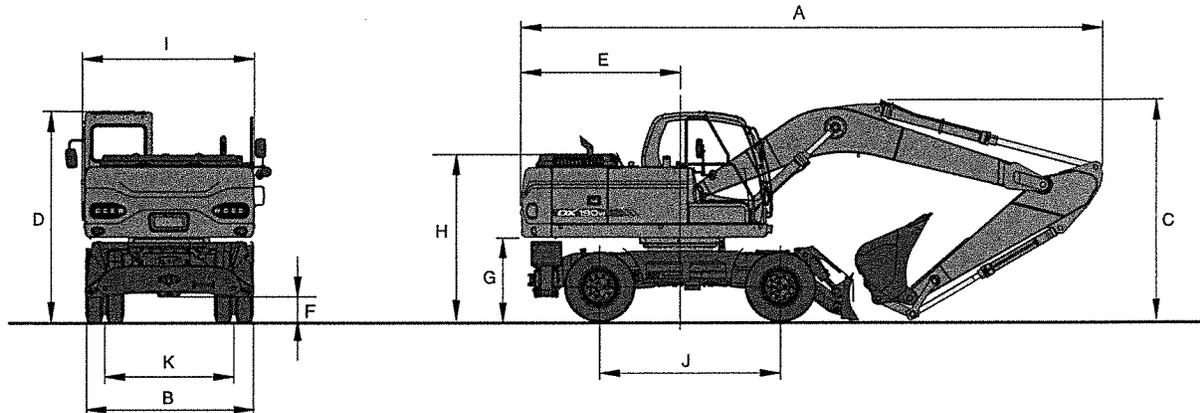
A. Suitable for materials with density of 3,370 lb./yd.<sup>3</sup> (2,000 kg•m<sup>3</sup>) or less

B. Suitable for materials with density of 2,700 lb./yd.<sup>3</sup> (1,600 kg•m<sup>3</sup>) or less

C. Suitable for materials with density of 1,850 lb./yd.<sup>3</sup> (1,100 kg•m<sup>3</sup>) or less

# DX190W

## DIMENSIONS

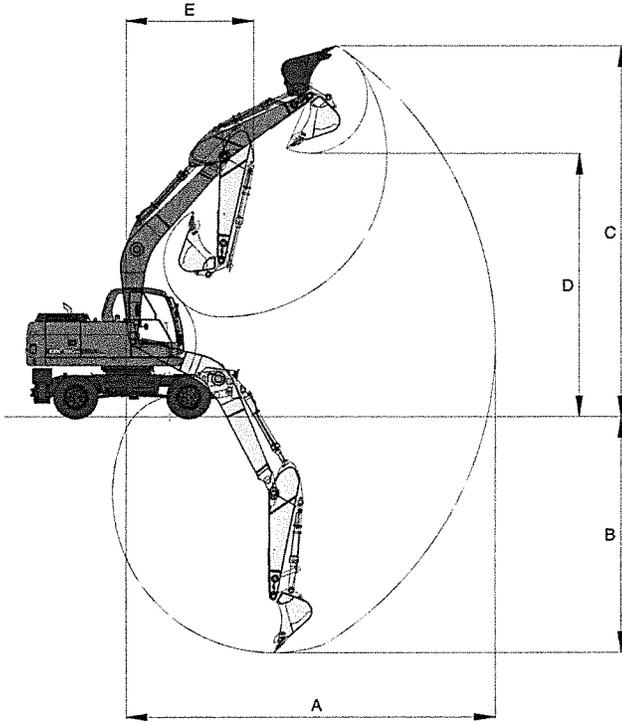


ONE-PIECE BOOM		17' 1" (5,200 mm)		
BOOM TYPE				
ARM TYPE		7' 3" (2,200 mm)	8' 6" (2,600 mm)	10' 2" (3,100 mm)
SHIPPING LENGTH	A	28' 7" (8,715 mm)	28' 5" (8,659 mm)	27' 11" (8,507 mm)
SHIPPING WIDTH	B	8' 2" (2,496 mm)	←	←
SHIPPING HEIGHT (BOOM)	C	10' 6" (3,212 mm)	10' 10" (3,310 mm)	12' 5" (3,772 mm)
HEIGHT OVER CAB.	D	10' 3" (3,135 mm)	←	←
C/WEIGHT SWING CLEARANCE	E	8' (2,450 mm)	←	←
GROUND CLEARANCE	F	1' 2" (350 mm)	←	←
COUNTER WEIGHT CLEARANCE	G	4' 1" (1,249 mm)	←	←
ENGINE COVER HEIGHT	H	8' 4" (2,530 mm)	←	←
UPPER HOUSING WIDTH	I	8' 2" (2,494 mm)	←	←
WHEEL BASE	J	8' 10" (2,700 mm)	←	←
TREAD WIDTH	K	6' 5" (1,944 mm)	←	←

TWO-PIECE BOOM		17' 7" (5,360 mm)	
BOOM TYPE			
ARM TYPE		7' 7" (2,300 mm)	8' 6" (2,600 mm)
SHIPPING LENGTH	A	29' 1" (8,860 mm)	28' 3" (8,610 mm)
SHIPPING WIDTH	B	8' 2" (2,496 mm)	←
SHIPPING HEIGHT (BOOM)	C	10' 4" (3,140 mm)	11' (3,360 mm)
HEIGHT OVER CAB.	D	10' 3" (3,135 mm)	←
C/WEIGHT SWING CLEARANCE	E	8' (2,450 mm)	←
GROUND CLEARANCE	F	1' 2" (350 mm)	←
COUNTER WEIGHT CLEARANCE	G	4' 1" (1,249 mm)	←
ENGINE COVER HEIGHT	H	8' 4" (2,530 mm)	←
UPPER HOUSING WIDTH	I	8' 2" (2,494 mm)	←
WHEEL BASE	J	8' 10" (2,700 mm)	←
TREAD WIDTH	K	6' 5" (1,944 mm)	←



## WORKING RANGE



ONE-PIECE BOOM				
BOOM TYPE		17' 1" (5,200 mm)		
ARM TYPE		7' 3" (2,200 mm)	8' 6" (2,600 mm)	10' 2" (3,100 mm)
MAX. DIGGING RADIUS	A	29' (8,830 mm)	30' 2" (9,200 mm)	31' 4" (9,560 mm)
MAX. DIGGING DEPTH	B	18' 3" (5,565 mm)	19' 7" (5,965 mm)	21' 3" (6,465 mm)
MAX. DIGGING HEIGHT	C	29' 11" (9,115 mm)	30' 8" (9,340 mm)	30' 5" (9,270 mm)
MAX. DUMP HEIGHT	D	21' 1" (6,420 mm)	21' 10" (6,650 mm)	21' 10" (6,645 mm)
MIN. SWING RADIUS	E	10' 6" (3,195 mm)	10' 6" (3,200 mm)	10' 5" (3,185 mm)

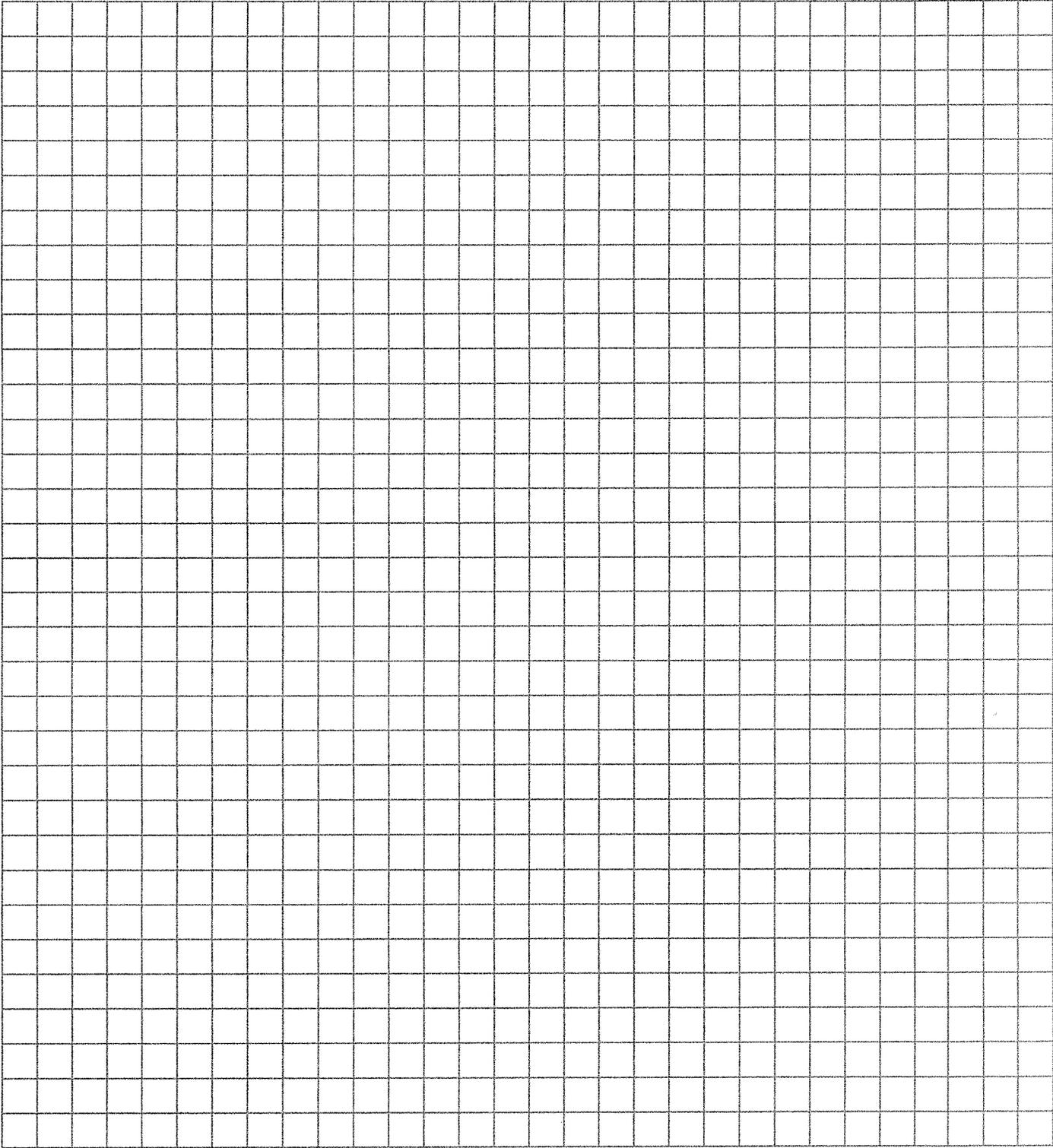
TWO-PIECE BOOM			
BOOM TYPE		17' 7" (5,360 mm)	
ARM TYPE		7' 7" (2,300 mm)	8' 6" (2,600 mm)
MAX. DIGGING RADIUS	A	30' 3" (9,235 mm)	31' 3" (9,530 mm)
MAX. DIGGING DEPTH	B	18' 4" (5,600 mm)	19' 4" (5,900 mm)
MAX. DIGGING HEIGHT	C	33' 8" (10,260 mm)	34' 6" (10,510 mm)
MAX. DUMP HEIGHT	D	24' 4" (7,415 mm)	25' 2" (7,660 mm)
MIN. SWING RADIUS	E	9' 9" (2,965 mm)	10' 4" (3,160 mm)

## DIGGING FORCE (ISO)

BUCKET (PCSA)	0.5 yd. <sup>3</sup> (0.38 m <sup>3</sup> )	0.59 yd. <sup>3</sup> (0.45 m <sup>3</sup> )	0.75 yd. <sup>3</sup> (0.57 m <sup>3</sup> )	0.92 yd. <sup>3</sup> (0.7 m <sup>3</sup> )	1 yd. <sup>3</sup> (0.76 m <sup>3</sup> )	1.05 yd. <sup>3</sup> (0.8 m <sup>3</sup> )	1.22 yd. <sup>3</sup> (0.93 m <sup>3</sup> )
DIGGING FORCE	31,305 lbf.	31,305 lbf.	31,305 lbf.	31,305 lbf.	31,305 lbf.	31,305 lbf.	31,305 lbf.
	14,200 kgf.	14,200 kgf.	14,200 kgf.	14,200 kgf.	14,200 kgf.	14,200 kgf.	14,200 kgf.
	139.25 kN	139.25 kN	139.25 kN	139.25 kN	139.25 kN	139.25 kN	139.25 kN

ARM	7' 3" (2,200 mm)	7' 7" (2,300 mm)	8' 6" (2,600 mm)	10' 2" (3,100 mm)
DIGGING FORCE	23,810 lbf.	21,816 lbf.	20,503 lbf.	18,739 lbf.
	10,800 kgf.	9,900 kgf.	9,300 kgf.	8,500 kgf.
	105.91 kN	97.08 kN	91.20 kN	83.36 kN

## NOTES





## STANDARD EQUIPMENT

### ENGINE:

DOOSAN DL06:

– Turbo Charged and Aftercooled

Electronically Controlled Common Rail Direct Injected

359 cu.in., 6 Cylinder

155 SAE Net Flywheel Horsepower @ 1,900 rpm

Auto Idle System

Equipped with the Fuel Pre-Filter with Water Separator & Built in Priming Pump

Radiator Reserve Tank

Large Capacity Double Element Air Cleaner with Evacuator

Electronic Engine Speed Control

Engine Overheat and Low Oil Pressure Prevention System

### HYDRAULIC SYSTEM:

Pilot Operated Control Valves, (9) Spools

Pilot Operated (2) Control Valves

Main Pump, Bent Axis Axial Piston Type, Pressure Setting 4,978 psi

Pilot Circuit, Gear Type Pump

Swing Motor:

– Axial Piston Type

Swing Speed Control up to 10.9 rpm

Swing Safety Lock - Manual Pin Locking

Spring Set, Hydraulic-released Brakes

Travel Motors, Hydrostatic Drive

Automatic Travel Speed Control

Travel Speed Up to 22.4 mph

Cross Sensing Pump Control for Fuel Saving

Two Operating Modes, Two Power Modes

Button Control of Flow in Auxiliary Equipment Circuits

Computer-Aided Pump Power Control

e-EPOS (Electronic Power Optimizing System) Controller

Single Acting Breaker Piping

### CAB:

ROPS Approved

Steel, All Weather Sound Suppressed Type

Fully Automatically Controlled Air Conditioner with Heat

Multi-function Color LCD Monitor Panel

Cigarette Lighter with Ashtray

Door Locks

Front Windshield Wiper with Washer

Radio:

– AM/FM Stereo with Cassette

– Remote Radio On/Off Switch, Control Volume, Channel Selection

Switches:

– Ram Lock Switch

– Light Switch

– Work Light Switch

– Breaker, Power-Up, Shear Switch

– Parking Brake Switch

– Outrigger Selector Switch

Glass Antenna

Safety Glass, Tinted

Safety Lock Lever

Seat:

– Suspension with Seat Belt (2" Wide)

– Reclining, Height Adjustable

– Adjustable Arm Rests

– Sliding Control Console

– Weight Adjustment Knob

Skylight

Pull Up Type Front Window

Removable Lower Front Window

Sliding Side Windows

Front Window Air Defroster

Steering Console

Tilt and Telescopic Steering Wheel

Accelerator Pedal

Brake Pedal

Emergency Breakout Tool

Lunch Box with Hot & Cool Air

12V Power Socket

Joystick Lever with 3 Switches

Dozer Blade Work Lever

Cup Holder

Room Light

Serial Communication Port for Laptop PC Interface (DMS, Edoctor)

Viscous Cab Mounts

# DX190W

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## **ELECTRICAL:**

### Alternator:

- 60 Amp

### Batteries:

- (2) 12 V, 100 Amp Hrs 750 CCA ea

### Starter:

- 24V, 4.5 kW

### Lights:

- Front: (2) Machine, (2) Boom

### Electric Horn

### Hour Meter

### Alarm Buzzer for:

- Engine Oil Pressure
- Coolant Temperature

### Electronic Monitor for:

- Engine Coolant Temperature Gauge
- Fuel Gauge
- Hydraulic Oil Temperature Gauge

### Multi-Function Display for:

- Engine rpm
- Battery Voltage
- Front and Rear Hydraulic Pump Pressure
- Hydraulic Oil Overheating Warning
- Fuel Shortage Warning
- Air Cleaner Clogging Warning
- Pilot Filter Clogging Warning
- Return Filter Clogging Warning
- Brake Oil Pressure Warning
- Quick Clamp Release Warning
- Digital Clock

### Operating Modes for:

- Power Mode Switches
- Flow Rate Control
- Auto Idle Select Button
- 4 Display Selection Buttons
- Trenching Mode Selector Button

## **UNDERCARRIAGE:**

10.00 x 20 (14PR) Dual Wheels

(2) Outriggers - Front

(1) Dozer Blade - Rear

Transmission, 2-speed, Power Shift

Front & Rear Axle, Floating Planetary Drive

## **OTHER STANDARD EQUIPMENT:**

### Counterweight:

- 7,050 lb. (3,200 kg)

Sealed Pins, Boom, Arm and Bucket Linkages

Swing Mechanism, Internal Gear and Pinion

Centralized Lube Points

Large Handrail

Punched Metal Anti-Slip Plates

Ultra-hard Wear-Resistant Disc at the Bucket Pivot

Engine Restart Prevention System

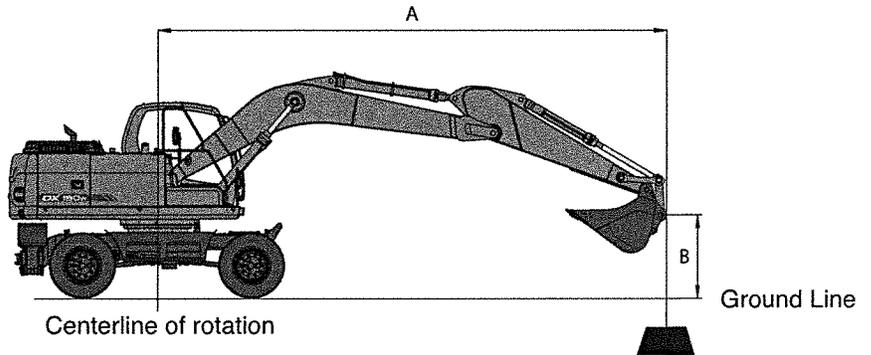
### Manuals:

- Parts and Operator's

GPS with 1 Year Subscription

# DX190W

**Boom: 17'1" (5,200 mm)**  
**Arm: 8'6" (2,600 mm)**  
**Counterweight: 3.52 ton (3.2 metric ton)**  
**Front OT Down + Rear OT Down**



Feet Unit: 1,000 lb.

A (ft.) \ B (ft.)	5		10		15		20		25		MAX. REACH				
	☒	☒*	☒	☒*	☒	☒*	☒	☒*	☒	☒*	☒	☒*	A (ft.)		
25													7.38*	7.38*	17.05
20							9.79*	9.79*					6.49*	6.49*	21.42
15					13.63*	13.63*	12.05*	11.72					6.23*	6.23*	23.98
10			26.61*	26.61*	16.87*	16.87*	13.38*	11.32	7.63*	7.63*			6.32*	6.32*	25.28
5					19.87*	17	14.76*	10.9	9.45*	7.79			6.73*	6.73*	25.53
0 (GROUND)			15.81*	15.81*	21.18*	16.46	15.50*	10.61					7.56*	7.56*	24.77
-5	15.90*	15.90*	26.24*	26.24*	20.52*	16.35	15.00*	10.53					9.19*	8.74	22.88
-10	26.87*	26.87*	24.62*	24.62*	17.51*	16.58							12.18*	11.13	19.55

Metric Unit: 1,000 kg

A (m) \ B (m)	2		3		4		5		6		7		MAX. REACH				
	☒	☒*	☒	☒*	☒	☒*	☒	☒*	☒	☒*	☒	☒*	☒	☒*	A (m)		
8															3.54*	3.54*	4.73
7															3.13*	3.13*	5.83
6									4.73*	4.73*					2.93*	2.93*	6.59
5							5.67*	5.67*	5.37*	5.37*	3.55*	3.55*	2.84*	2.84*	2.84*	2.84*	7.14
4			9.34*	9.34*	7.35*	7.35*	6.32*	6.32*	5.71*	5.39	4.94*	4.19	2.83*	2.83*	2.83*	2.83*	7.50
3					8.80*	8.80*	7.11*	7.02	6.16*	5.26	5.57*	4.13	2.87*	2.87*	2.87*	2.87*	7.71
2					10.09*	9.77	7.87*	6.79	6.61*	5.12	5.82*	4.05	2.98*	2.98*	2.98*	2.98*	7.79
1					10.89*	9.48	8.43*	6.6	6.97*	5.01	6.00*	3.98	3.15*	3.15*	3.15*	3.15*	7.74
0 (GROUND)			6.91*	6.91*	11.12*	9.33	8.71*	6.49	7.15*	4.93	6.06*	3.94	3.43*	3.43*	3.43*	3.43*	7.55
-1	6.37*	6.37*	9.79*	9.79*	10.90*	9.29	8.66*	6.43	7.10*	4.89	5.87*	3.93	3.85*	3.77	3.77	3.77	7.21
-2	9.53*	9.53*	13.06*	13.06*	10.25*	9.32	8.23*	6.44	6.69*	4.9			4.53*	4.19	4.19	4.19	6.71
-3	13.35*	13.35*	11.39*	11.39*	9.08*	9.08*	7.28*	6.52					5.53*	5	5	5	5.99
-4			8.83*	8.83*	7.05*	7.05*							5.17*	5.17*	5.17*	5.17*	4.98

- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

☒: Rating Over Front  
☒\*: Rating Over Side or 360 degree

DATE: 5/06/2015

INVITATION TO BID  
THIS IS NOT AN ORDER

BID NO.: 50-00113159

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

Page: 1

BUYER: MCamardelle@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 5/21/2015 AND PUBLICLY OPENED THEREAFTER.

**LATE BIDS WILL NOT BE ACCEPTED**

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**  
**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Forms to register may be downloaded from [www.purchasing.jeffparish.net](http://www.purchasing.jeffparish.net) and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 5/06/2015

BID NO.: 50-00113159

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Page: 3

E. RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

F. POSTING OF BIDS: A listing of bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA and will remain posted until close of respective bids.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

### IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

**This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.**

**Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.**

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

## ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

**13, 15**

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid Solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

45-120 days ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

NA

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: M&L Industries LLC

ADDRESS: 5201 Airline Hwy

CITY, STATE: Metairie LA ZIP: 70001

TELEPHONE: (800) 969-0068 FAX: ( )

EMAIL ADDRESS: jbarrett@mlind.net

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: # 1

NUMBER: # 2

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 150,100<sup>00</sup> ea

AUTHORIZED SIGNATURE: James G Barrett

James G Barrett

Printed Name

TITLE: Municipal Sales

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113159

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	ONLY	<p>PURCHASE OF HYUNDAI EXCAVATOR FOR THE JEFFERSON PARISH EAST BANK DRAINAGE DEPARTMENT</p> <p>0010 New Hyundai 180 W-9A Hydraulic Wheeled Excavator powered by a Cummins 6.7 turbo-charged diesel engine (155 HP Net) Equipped with four moutrigger, 46 in. digging bucket with teeth, sidecutters. 60 in. cleanout bucket with bolt and cutting edge, Mechanical thumb, work light,A/C, Heater, Rearview Camera, MP3 Player/Radio, and all other standard equipment.</p> <p>See Specifications attached.</p>		



**Bid Number 50 - 00113159**

**PURCHASE OF HYUNDAI EXCAVATOR FOR THE JEFFERSON PARISH EAST  
BANK DRAINAGE DEPARTMENT**

**BID DUE: THURSDAY, MAY 21, 2015 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Misty A. Camardelle  
Buyer Email: [mcamardelle@jeffparish.net](mailto:mcamardelle@jeffparish.net)  
Buyer Phone: 504-364-2683**

Hydraulic Excavator Model R180W-9A

General Dimensions

Weight: 40,960 lbs.

Overall length: 28 ft. 9 inches

Shipping width with 4 out riggers: 8 ft. 2 inches

Over height shipping: 10 ft. 6 inches

Ground clearance: 1 ft. 1 inch

Max digging reach: 30 ft. 3 inches

Digging reach ground level: 29 ft. 7 inches

Max digging depth: 19 ft. 5 inches

Max digging height: 30 ft. 7 inches

Max dumping height: 21 ft. 8 inches

Max vertical wall digging depth: 17 ft. 6 inches

Min. swing radius: 10 ft. 8 inches

Bucket digging force: no less than 24,250 lbs

Arm digging force: 17,270 lbs

Engine type: Engine must comply with US I Tier IV engine regulations

Piston displacement: no less than 409 cu.in.

Number of cylinders: no less than 6

Net horsepower at rated speed: 155.0 HP

Torque at rated speed: 540 ft.-lb

The machine shall be equipped with an intake air-pre-heater starting aid that is thermostatically controlled and selectively activated with the ignition switch. The machine shall not possess an ether starting aid.

Air inject filter shall be equipped with a direct air-flow filter

EGR system shall be equipped with cooled EGR system

Traveling motor 4- wheel hydrostatic drive, constant mesh, helical gear transmission with (2) speeds in Travel speed 1<sup>st</sup> 5.6 MPH and Travel speed in 2<sup>nd</sup> 21.7 MPH

8 Tires 10.00-20 14PR tube type

4 Hydraulic outriggers: Front and Rear

Maximum swing speed: 9.1RPM

The cabin shall be enclosed and weather proof with the following factory installed components:

Air conditioner, Heater and Defroster, Provisions for emergency exit, Electronic display and monitoring systems, Full instrument package including engine cooling temperature (audible alarm, hour meter, fuel meter, tachometer, engine oil pressure with audible alarm, voltmeter, hydraulic oil pressure gauge, air cleaner clogging, hydraulic oil filter clogging, engine oil filter clogging. Must be 7 inch fully adjustable color touch screen display. Factory installed remote management system (GPS) AM/FM stereo with cassette player, Fully adjustable suspension seat, Windshield washer and wiper, Lunch storage box, Rear view mirrors,

Batteries: There should be a min. of (2) 12V batteries

Alternator: Shall provide a min. of 12V

Electrical Components: Most solid state electrical components must be in the controlled environment of the cabin.

Main Pump: Shall be tandem axial piston type

Max. Flow rate: 90.8 gal/min

Hydraulic control system must have auto boom and swing priority with arm-in and boom down flow regeneration capacity

Pilot pump shall be a gear type

Control Valve: Hydraulically pilot controlled. The auxiliary spool must be standard equipment and part of the main control valve.

Hydraulic pressure ports: Must be supplied at boom location and working pressure monitored through display in cab

Fuel tank capacity 71.3 gal, Coolant system capacity 5.2 gal., Engine oil capacity 6.3 gal., Hydraulic tank capacity 42.3 gal.

Boom and arm: the boom substructure must be full-box section design

Upper frame: Must have D Channel side frames

Main maintenance computer: In case of failure the machine must be capable of operating at 85 percent of full load

Pattern change valve: The machine must have a control change valve installed as standard equipment that will allow control change between ISO and BHL patterns.

**CORPORATE RESOLUTION**

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF 5-1-15 MEL Industries LLC  
INCORPORATED, DULY NOTICED AND HELD ON 5-1-15,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT James G. Barre H, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

Peter M... ..

**SECRETARY-TREASURER**

5/19/15

**DATE**



**JEFFERSON PARISH  
DEPARTMENT OF PURCHASING**

WWW.JEFFPARISH.NET

JOHN F. YOUNG, JR.  
PARISH PRESIDENT

BRENDA J. CAMPOS  
DIRECTOR

**May 6, 2015**

**ADDENDUM # 1**

**Bid No.: 50-00113159**

**Bid Opening Date: May 21, 2015**

**For: Purchase of Hyundai Excavator for the Jefferson Parish East Bank Drainage Department**

**REVISIONS.**

**Omit the Public Works Affidavit and replace with the attached Non Public Works Affidavit.**

Sincerely,

*Misty A. Camardelle*

Misty A. Camardelle, Buyer II  
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**

## **Non-Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*

Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Terrebonne

BEFORE ME, the undersigned authority, personally came and appeared: \_\_\_\_\_

James G. Barrett (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Agent of M&L Industries (Entity), the party who submitted a bid in response to Bid Number SD-00113159, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B  there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B  There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intestinally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

James G. Barrett  
Signature of Affiant

James G. Barrett  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 20<sup>th</sup> DAY OF May, 2015.

[Signature]  
Notary Public



Tammy B Bryant  
Printed Name of Notary

87362  
Notary/Bar Roll Number

My commission expires at death.



**JEFFERSON PARISH  
DEPARTMENT OF PURCHASING**

WWW.JEFFPARISH.NET

JOHN F. YOUNG, JR.  
PARISH PRESIDENT

BRENDA J. CAMPOS  
DIRECTOR

**May 12, 2015**

**ADDENDUM # 2**

**Bid No.: 50-00113159**

**Bid Opening Date: May 21, 2015**

**For: Purchase of Hyundai Excavator for the Jefferson Parish East Bank Drainage Department**

**CLARIFICATIONS.**

**Question:** In the "Description of Articles", it mentions a 60" Clean-Out Bucket with bolt on cutting edge along with a Mechanical Thumb, however in the detailed specifications there is no mention of either. Can you please clarify.

**Answer:** The Excavator is to be equipped with a 60" Clean-Out Bucket with bolt on cutting edge along with a Mechanical Thumb.

Sincerely,

*Misty A. Camardelle*

Misty A. Camardelle, Buyer II  
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**

# 27924

Form **W-9**  
(Rev. January 2011)  
Department of the Treasury  
Internal Revenue Service

### Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

Name (as shown on your income tax return)  
**W&L Industries, LLC**

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification (required):  
 Individual/sole proprietor  
 C Corporation  
 S Corporation  
 Partnership  
 Trust/estate  
 Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶  
 Exempt payee  
 Other (see instructions) ▶

Address (number, street, and apt. or suite no.)  
**1210 St Charles St.**

City, state, and ZIP code  
**Houma, La 70360**

Requester's name and address (optional)

List account number(s) here (optional)

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number  
[ ]-[ ]-[ ]-[ ]-[ ]-[ ]

Employer identification number  
**12-0503170**

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification Instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here Signature of U.S. person ▶ **Peter M...** Date ▶ **3/28/11**

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Purpose of Form**

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.