INVITATION TO BID

LOWER SAUCON TOWNSHIP

ONE (1) NEW 2001 Self Propelled, Steel Tracked ASPHALT PAVER

Sealed proposals will be received by the council of Lower Saucon Township, Northampton County, Pennsylvania, for furnishing:

ONE (1) NEW 2001 Self Propelled, Steel Tracked ASPHALT PAVER With Options

All bids must be submitted on forms furnished by the Township Secretary. Proposal forms and specifications for bidding are available at Lower Saucon Township Hall, 3700 Old Philadelphia Pike, Bethlehem, PA 18015.

Sealed bid proposals will be accepted up to 11:55 a.m. on Tuesday, March 27, 2001 and shall be opened and publicly read on Tuesday, March 27, 2001 at 12:30 p.m. at the Township Hall.

A ten (10%) percentum bid bond, cashier's check, or certified check is required with above bids at the time it is presented.

The Council of Lower Saucon Township reserves the right to reject any and all proposals. The said Council of Lower Saucon Township further reserves the right to either insist on or waive any portion of the specifications or accept or reject any bid which does not fully comply with each and every specification.

The successful bidder, unless the entire contract is fully performed before twenty (20) days after the contract has been awarded, shall furnish to the Council of Lower Saucon Township, a performance bond, cash, cashier's check, certified check, or surety acceptable to the Township Solicitor, guaranteeing performance of the contract. Said bond or surety shall be in the amount of fifty (50) percentum of the amount bid and shall be submitted within twenty (20) days after the contract has been awarded.

J. Layne Turner,

Manager:

LOWER SAUCON TOWNSHIP

JLT: rar

BID SPECIFICATIONS ONE (1) NEW 2001 Self Propelled, Steel Tracked ASPHALT PAVER

	COMPLIANCE YES	NO
ENGINE:		
1. 4 Stroke 4 Cylinder diesel 121 gross horsepower or more	____	____
2. Turbocharged and aftercooler, liquid cooled	____	____
3. 24 volt starting system, 2-12 volt batteries and a 55amp alternator	____	____
4. Engine to be equipped with thermal starting aid	____	____
DRIVE SYSTEM:		
1. Variable-displacement Hydrostatic pumps driving fixed Displacement motors	____	____
2. Single speed planetary track drives, with integrated multiple purpose parking brake for each track	____	____
3. Variable Displacement Pump	____	____
4. Motors shall have two displacement settings for two speed ranges	____	____
5. Speed Ranges		
Pave mode, 0-220 FPM	____	____
Travel mode 0-5 mph	____	____
6. Propulsion system shall be closed-looped utilizing speed sensors to monitor the individual track speeds	____	____
7. Paver speed control shall include a maximum speed potentiometer to allow top speed to be set and a propel lever that provides speed control within the speed ranger.	____	____
8. A back up alarm shall be standard equipment	____	____
BRAKES:		
1. Machine shall also be equipped with a secondary spring applied hydraulically released brake on each track	____	____
2. A brake interlock shall prevent driving through and damaging the brakes	____	____
3. The brake interlock shall neutralize the propel pump	____	____
4. Brake system shall meet SAE standard J1472, Jun88 and EN500	____	____
5. Service brakes must be a closed-looped hydrostatic system to provide dynamic braking	____	____
HOPPER:		
1. Feeders shall have independent drives mounted outboard of the mainframe side plates to minimize the width of the center chain cover	____	____
2. Feeder drag pans shall be replaceable	____	____

	COMPLIANCE YES	NO
3. Hopper Capacity shall be no less than (5) five cubic meters	___	___
4. Material feeder shall have a controller which provides the operator the ability to set the ratio of feeder to auger speed on both sides of the machine independently.	____	____
5. Feeder gates shall not be equipped.	____	____
6. Each feeder and auger shall be capable of automatic override, or off modes, controlled by switches at the operator's station	____	____

SCREED:

1. 8' to 15'6" width Extend-A-Mat extended behind main screed	____	____
2. Heat and vibration on front main screed and extenders	____	____
3. Material feed augers shall be 16" diameter, bolt-on, cast NI-hard steel with a 12" pitch	____	____
4. Auger height shall be hydraulically vertically adjustable 6.75"	____	____
5. Sonic auger feeder control	____	____
6. Power crown, slope and height control	____	____
7. Extenders can be moved in and out while sloped	____	____
8. Feeders controlled independent of augers	____	____
9. Manual overrides for feeders and augers	____	____
10. Vibrator frequency manually adjusted up to 2300 RPM, hydraulically driven and hydraulic connections shall be o-ring faced seal design	____	____
11. Control boxes at end of extenders with switches for feeder control and extender in and out	____	____
12. Independent fuel lines and shut off controls for screed heaters on main screed and each extender	____	____
13. Extender sloping on the go from 14% below horizontal to 2% above	____	____
14. Extender height adjustment to be independent of main screed	____	____
15. End gates shall be spring loaded and shall have bolt-on replaceable wear shoes.	____	____

Burner System

1. Burner shall occur with glow plugs, actuated from the main screed Control box.	____	____

COMPLIANCE

	YES	NO
2. A built in timer shall limit screed heating to 15 minutes to help eliminate over heating of the screed plates.	____	____
3. Burners shall be mounted on baffled combustion chambers with flame deflectors to provide even heat distribution to the screed plates.	____	____
4. Full length insulation shall be provided over the combustion Chamber.	____	____
5. Machine shall be equipped with a factory installed fume evacuation system.	____	____

LONGITUDINAL GRADE CONTROL:

1. Topcon sonic non-contacting grade & slope control system consisting of two sonic grade sensors, one slope controller, two screed mounted control boxes and all mounting hardware installed	____	____

OPERATORS STATION:

1. Single seat that can slide from one side to the other and also swivels.	____	____
2. The operators station shall slide 12" beyond either edge of the paver.	____	____
3. Steering system shall use an automotive-type steering wheel	____	____

Undercarriage

1.Machine shall have D3 sealed type track rails with a split master link	____	____
2.Steel backing plates shall support 14" wide rubber track pads	____	____
3.The undercarriage shall be bogied type, with a single return idler	____	____
4.The rear triple roller bogey shall be substantial in structure to support machine weight in the travel mode and provide a smooth riding undercarriage.	____	____
5. A hydraulic track tensioner shall also be provided to maintain proper track tension.	____	____

OPERATIONS:

1. Fingertip operation of hopper, feeders, augers, screed hoist, vibrators, keyed ignition switch, engine start/stop high low speed range, differential lock and horn	____	____
2. Gauges and warning lights, monitor coolant temperature, engine oil pressure, fuel level, battery charging and hour meter. Lockable vandal cover on sliding operator's console	____	____

	COMPLIANCE YES	NO
SERVICEABILITY:		
1. Quick check hydraulic test ports	____	____
2. O-ring face seals and couplings in all hydraulic lines	____	____
3. Remote mounted lubrication points	____	____
4. Wiring shall be numbered every 2 inches, color-coded electrical wiring with sure seal connectors	____	____
5. Wiring shall also be nylon braided, wrapped with soldered connection points.	____	____
5. Electrical and hydraulic schematics affixed to paver	____	____
6. Remote filter condition indicators	____	____
7. Hydraulic pumps to be located on side of paver and serviceable from ground level	____	____
6. Remote drains shall be provided for engine oil and pump drive gear boxes.	____	____
STEERING:		
1. An 8' push roller shall be used to provide for truck interface	____	____
HYDRAULIC OIL FILTRATION:		
1. Propel pump to have a 10 micron replaceable filter	____	____
2. Return line to have a 10 micron replaceable filter	____	____
3. Both to have remote filter condition gauges	____	____
4. Services system pump to have replaceable 100 mesh filter	____	____
5. System shall have remote mounted oil drain to collect oil.	____	____
SERVICE REFILL CAPACITIES:		
1. Fuel tank - 60 gallons	____	____
2. Hydraulic oil tank - 50 gallons	____	____
3. Cooling system – 8.3gallons	____	____
GENERAL:		
1. Paver to be equipped with a 30' length of hose with a spray nozzle connected to the heater pump for wash down purposes	____	____
2. Paver to be delivered with service, parts and owner's manuals	____	____
3. The paver shall contain all necessary safety devices to meet all Federal and State Safety regulations	____	____
4. All ownership legalities must be taken care of by the successful bidder, so that the Paver can be put to work as soon as it is delivered	____	____

	COMPLIANCE YES	NO
5. Bidder will be franchised for vehicle bid and able to supply warranty work and parts at their facility	____	____
6. Bidder for the entire unit will be within a twenty (20) mile radius of the Township	____	____
7. Successful bidder shall be capable of supplying Paver within 90 days of bid awarding	____	____

WARRANTY:

Any warranty repairs that may be required on the Paver will be done at the Township Maintenance Garage. If repairs cannot be done at this facility, it will be up to the successful bidder to make arrangements to have the Paver picked up for repairs, and returned to the Township Maintenance Department, after repairs are completed. This service should be supplied at no cost to the Township.

Standard Warranty shall be for six months from the delivery date on the entire machine

SPECIAL REQUIREMENTS:

The successful bidder shall provide, at his own expense, a trained Service Representative to instruct the operators in the care and operation of the paver and provide up to 24 hours of training. (8 hours at time of delivery and 16 during initial use of the paver on a job site)

BID PRICE OUTRIGHT PURCHASE 2001 MODEL $_____

Price the following as options:

Hydraulic truck Hitch $_____

Automatic Burner system for screed $_____

Extended power-train warranty protection to total 5years or 7500 hours $_____

COMPLIANCE TO MINIMUM BID REQUIREMENTS:

If A Bidder Is Basing His Proposal On Equipment Contended To Be An "Equivalent" Product To What Is Specified In These Bid Documents And Wishes The Equipment They Propose To Be Considered As An "Approved Equal", They Must Submit On Their Letterhead, A List Of Details Supporting Any And All Deviations In The Exact Format Of The Specifications Contained Herein. A General Exception Cannot Be Taken For Any Paragraph Or Item. Note - This Full And Detailed Written Comparison Of Every Item Must Be Included With Proposal Or Bid.

Name of company:

_____

Address:_____

Phone #:_____

Signature:_____

Title:_____