State of Louisiana Department of Transportation and Development

CONTRACTOR ASPHALT CONCRETE ROADWAY EQUIPMENT REVIEW

Date:_____ Project No.:_____ District:_____ Unit:_____

Inspector:_____

Review of equipment used for Asphalt Concrete cold planning and paving. To be included in project 2059.

Asphalt Milling Machine

Make & Model:_____	Yes	No
Sufficient power, traction, & stability to provide uniform profile grade & cross slope	☐	☐
Capable of controlling uniform profile grade & cross slope from an erected string line, shoe device or approved traveling reference plane	☐	☐
Does method of control accurately reflect the average grade of the surface to be operated on	☐	☐
Automatic system for controlling cross slope	☐	☐
Milling drum true to round	☐	☐
Milling teeth in sufficient number & proper condition to produce a uniform surface & texture	☐	☐
Fuel or fluid leak	☐	☐

Asphalt Distributor

Make & Model: _____

Serial No.: _____	Yes	No
ASTM D 2995 Calibrated	☐	☐
Date Calibrated:	☐	☐
Calibration Current	☐	☐
Copy of Calibration	☐	☐
Overall condition acceptable	☐	☐
Fluid or fuel leaks	☐	☐
Heating system capable of heating material to proper temperature & maintaining temperature	☐	☐
Thermometer easily readable	☐	☐
Acceptable accuracy	☐	☐
Location:		
Computerized controls	☐	☐
Proper function of controls	☐	☐
Does the application rate verify with the on board rate?	☐	☐

Spray Bar

Capable of a sharp line of material parallel to the direction of travel?	☐	☐
Proper operation	☐	☐
Uniform pressure & flow of material	☐	☐
Uniform coverage	☐	☐
Clogged Nozzles	☐	☐
Hand Wand capable of applying material to areas inaccessible to spray bar	☐	☐

Material Transfer Vehicle (MTV)

Make & Model: _____	Yes	No
Lightweight MTV	☐	☐
Fluid or fuel leaks	☐	☐
Capable of remixing asphalt concrete?	☐	☐
Minimum 20 storage capacity?	☐	☐
Does discharge conveyor swivel to facilitate operation from adjoining lane to paving operation?	☐	☐
Tracked or high flotation tires?	☐	☐
Attachment for Windrow Paving capable of removing 95% of mixture from paving surface	☐	☐
Lightweight MTV		
Counter rotating augers	☐	☐
Offset gravity transfer conveyor chute, or	☐	☐
Twin interlaced augers	☐	☐

Thermal Profile System for use with Lightweight MTV

Make & Model:_____

Capable of continuously recording temperature of the full width of pavement as the mixture exits the paver	Yes ☐	No ☐
GPS - location & distant traveled	☐	☐
Capable of instant data review	☐	☐
Permanent record of temperature & location data	☐	☐
Capable of correlating thermal profile with roadway lot & roadway sublot	☐	☐

Paver

Make & Model: _____

Serial #: _____

	Yes	No
Automatic grade & slope control used with traveling reference plane or erected string line	☐	☐
Capable of placing mixtures within specification tolerances	☐	☐
Screed or strike off the entire width of the paving strip	☐	☐
Paving strip uniform in appearance & quality	☐	☐
Capable of adjusting to changing cross slope	☐	☐
Minimum 5 ton insert hopper when used in conjunction with a MTV	☐	☐
Screed & extension heaters	☐	☐
Screed & extension vibrators	☐	☐
Augers evenly distribute mix in front of screed	☐	☐
Capable of placing mix to required thickness & width without segregation or tearing	☐	☐
Fluid or fuel leaks	☐	☐
Spray Paver		
Insulated tack storage	☐	☐
Calibrated load cells	☐	☐
Evenly distributes tack	☐	☐
Variable width heated screed	☐	☐

Compaction Equipment

1. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

2. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

3. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

4. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

5. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

6. Make & Model: _____

Serial #:_____

Steel Wheel ☐ Pneumatic tire ☐

	Yes	No
Capable of changing direction without distorting the paving mat	☐	☐
Equipped with scrapers and watering devices that are working properly	☐	☐
Wheels true to round	☐	☐
Vibratory	☐	☐
Separate controls for frequency, amplitude & propulsion	☐	☐
Fluid or fuel leaks	☐	☐
Treadless tires if pneumatic	☐	☐
Tires same size & ply rating if pneumatic	☐	☐

Comments: _____

_____

_____

_____

_____

_____