

Paver Production Reporting

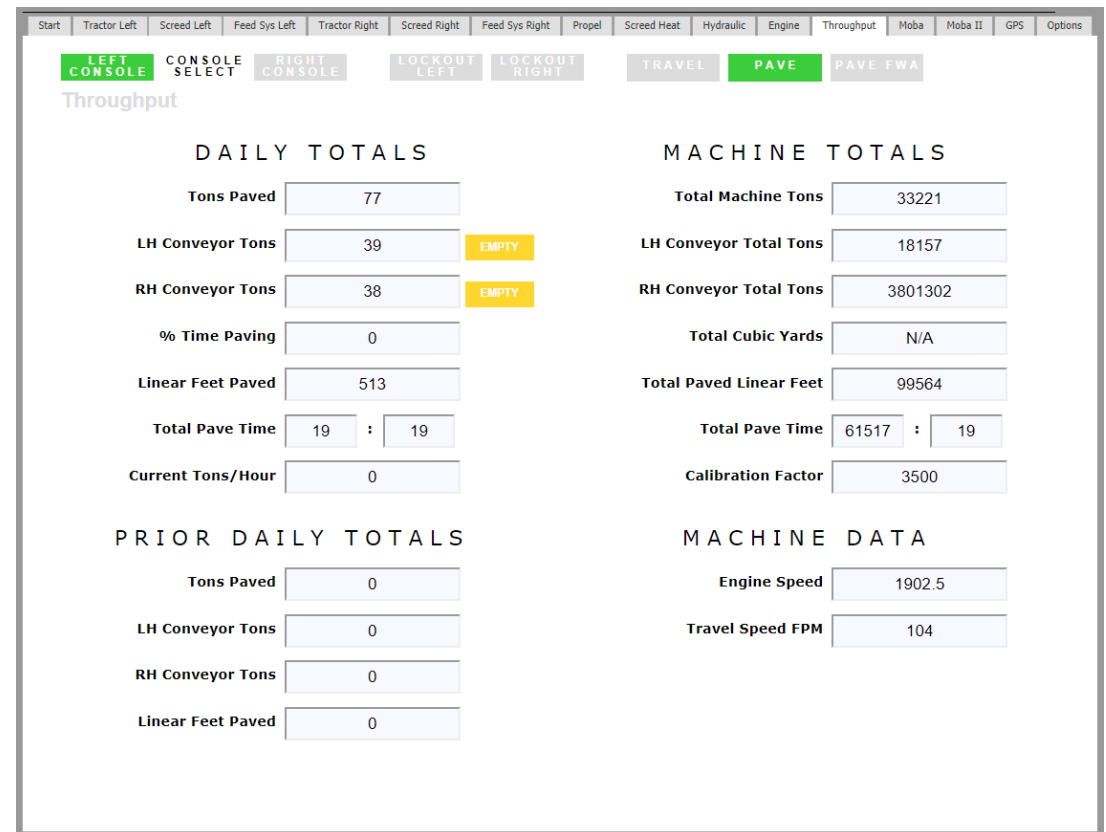
Tracking Paver Performance in Real Time

A new way to monitor your machines

» See the performance of your paver as it relates to real productivity

- Tons per day
- Day's total paving distance
- Live speed
- Total tons for the life of the machine

» A whole new way of seeing a paving shift



Paver Production Reporting



- » Volume based measurement
 - Cross-sectional area known using flow gate height
 - Use speed of material conveyor to create a volume
- » Currently assuming flow gates are full at all times
 - Testing new sensors for material height behind flow gate

In Guardian (web)

Start Tractor Left Screenshot Left Feed Sys Left Tractor Right Screenshot Right Feed Sys Right Propel Screenshot Heat Hydraulic Engine Throughput Moba Moba II GPS Options

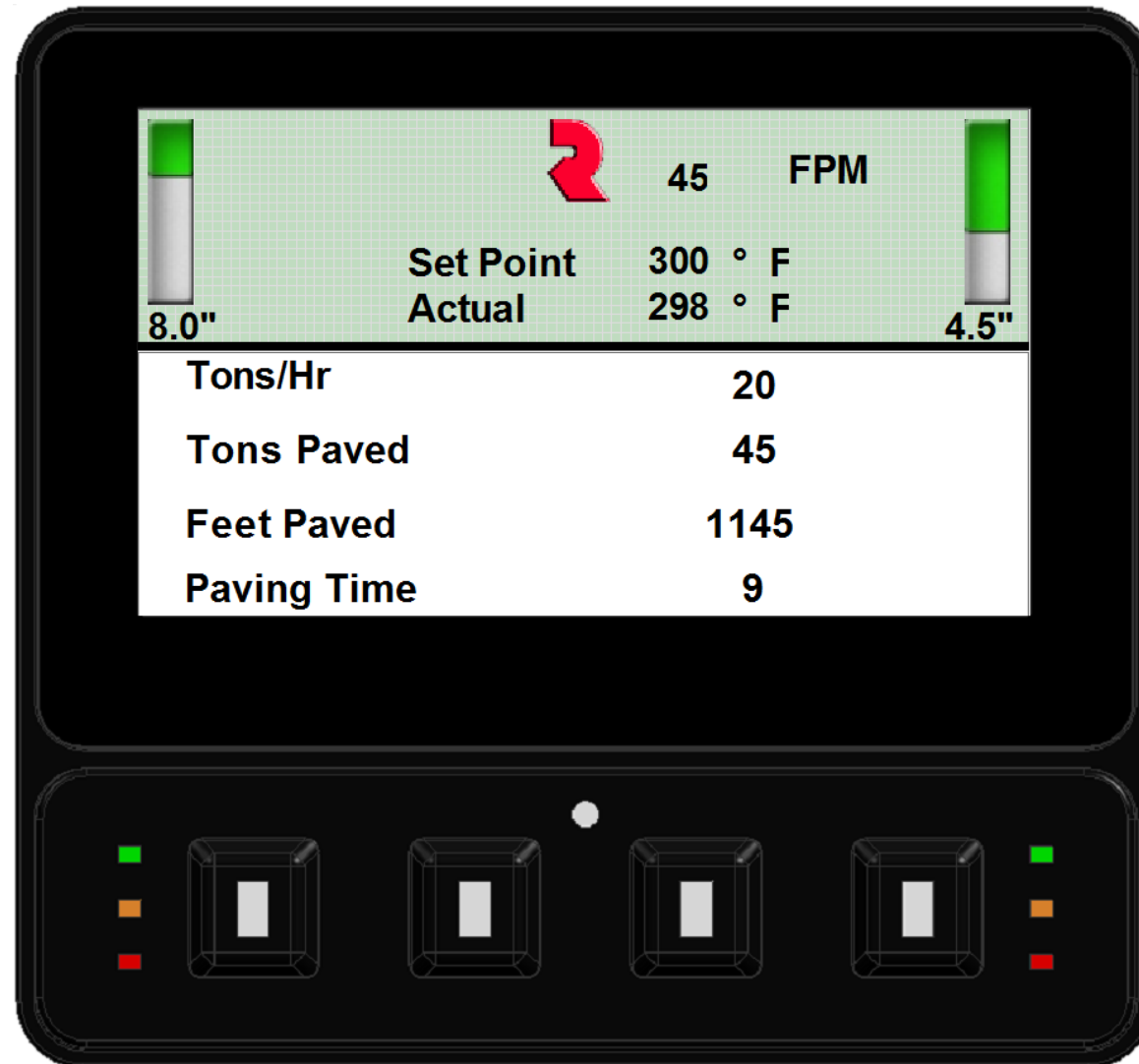
LEFT CONSOLE CONSOLE SELECT RIGHT CONSOLE LOCKOUT LEFT LOCKOUT RIGHT TRAVEL PAVE PAVE FWA

Throughput

DAILY TOTALS		MACHINE TOTALS	
Tons Paved	188	Total Machine Tons	6235
LH Conveyor Tons	102	LH Conveyor Total Tons	3414
RH Conveyor Tons	85	RH Conveyor Total Tons	2819
% Time Paving	0	Total Cubic Yards	N/A
Linear Feet Paved	1936	Total Paved Linear Feet	5538
Total Pave Time	54 : 54	Total Pave Time	53769 : 54
Current Tons/Hour	0	Calibration Factor	8600

PRIOR DAILY TOTALS		MACHINE DATA	
Tons Paved	223	Engine Speed	1903.8
LH Conveyor Tons	118	Travel Speed FPM	80
RH Conveyor Tons	104		
Linear Feet Paved	3601		

On the machine



Improved Communication

- » Benefit by knowing how the job is going
 - Asphalt Plant Operator
 - Is the crew laying down faster than expected?
 - When can start to shut down and clean up?
 - Superintendents
 - Which crew is struggling?
 - Are we on pace to finish this job today?
 - Maintenance Team
 - How many tons have crossed this floor plate?



Industry Testing

» Paver production reporting is being used as part of testing for E-ticketing by Florida DOT with aim to:

- Save cost,
- Improve quality,
- Improve worker safety



"I think this process (E-Ticketing) is going to revolutionize how contractors and transportation agencies collect, summarize, report, and use paving data which will lead to savings in time and money while improving pavement quality."

Richard Hewitt, FDOT State Construction Pavement Engineer

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