

# Fleetwatcher: E-Ticketing



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## Agenda

- Earthwave Overview
- E-Ticketing – What is it
  - Building Blocks
  - Experience in E-Ticketing
- Fleetwatcher Paving Management
- Eticketing for the Contractor
- Eticketing for the DOT/Inspector
- Q&A



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## Who is Earthwave?

- 2000 – Founded in Cincinnati, Ohio
- 2000-2007 – Exclusive focus on “Yellow Iron”
- **2010** – Selected as **Viewpoint** Telematics Partner
- 2010 – Selected Preferred Vendor by **OMG**
- 2012 – Began development of Materials Tracking
- 2014 – Selected by **B2W** as Integration Partner
- Q1 2014 – Delivered Materials Tracking Solution
- 2015 – E-Ticketing Proof of Concept
- 2015-17 Focus on Integrations
- 2018-19 Delivered Paving Management Solution



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## E-Ticketing Bid Spec

1. A wireless fleet management or GPS device that is capable of tracking all delivery trucks (both company-owned and third-party) must be installed on all trucks and equipment (dump trucks, belly dumps, side-load dumps, transfer vehicles, pavers, or any other trucks/vehicles) used to transfer and incorporate HMA into the project. KYTC personnel shall have the ability to access Real Time monitoring through the use of a mobile device such as an iPad, smartphone, etc.
2. The fleet management system shall be fully integrated with the Contractor's Load Read-Out scale system at the HMA plant site.
3. The fleet management system shall have the ability to measure and track vehicles and their contents (weights and material types) continuously from the plant site to the project site. The system shall have internal battery backup capabilities due to loss of power, and have the ability to store data if GPS connectivity is lost and transmit that same data when unit re-establishes connectivity. To be considered continuous, no two data points shall be more than 60 seconds apart unless the vehicle is stopped. Duration of stop time for any reason shall be recorded. The fleet management system shall have the ability to track the engagement of the truck PTO to indicate the dump the material.



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## Look Familiar?



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## Fleetwatcher Hardware

- CLA for 3<sup>rd</sup> Party Trucks
- Hardwire for company owned assets
- 1 minute updates for trucks
- 30 second updates for Pavers/Mills
- Internal Antenna
- Internal back-up battery
- Waterproof

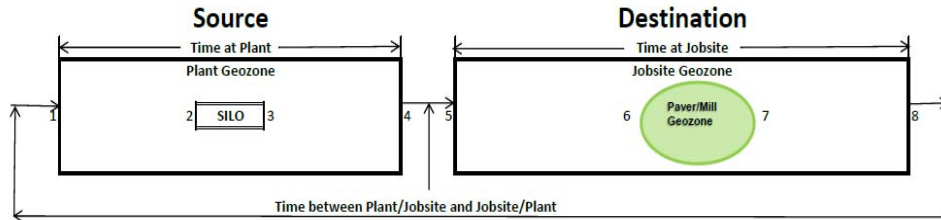


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# Load Cycle Basics

## Fleetwatcher Load Cycle Analysis - Materials Delivery

### Data Collection Points Diagram



### Data points collected and durations calculated

- |  |  |
|--|--|
| 1 Arrival at Plant Geozone                             | 5 Arrival at Jobsite Geozone   |
| 2 Arrival at Silo                                      | 6 Arrival at Paver Geozone   |
| 3 Exit of Silo   | 7 Departure of Paver Geozone   |
| 4 Exit of Plant Geozone                                | 8 Departure of Jobsite Geozone   |
| Duration in Plant Geozone (1-4)                        | 9 Duration between Leaving Plant (4) and arriving at Jobsite (5)             |
| Duration in Silo Geozone (2-3)                         | 10 Duration between arriving at Jobsite (5) and Arrival in Paver Geozone (6) |
| Duration and location in Plant Geozone outside of Silo | Designates Load Count  |
| Duration from Silo (3) to Paver (6)                    | Duration in Paver Geozone (6-7)  |
| Cycle Duration   | Duration between Paver Geozone (7) exit of Geozone (8)                       |
| Plant (1) to Plant (1)                                 | Duration/location of stops in Jobsite Geozone outside Paver Geozones         |
| Jobsite (5) to Jobsite (5)                             | Duration in Jobsite Geozone 5-8  |
|  | Duration between leaving Jobsite (8) and arriving at Plant (1)               |

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# Plant Geozones

FLEETWATCHER

Home Projects Equipment Reports Interfaces My Company Help Logout

Map Menu

Welcome Earthwave Admin from Shelly South

Control Panel Saved View Equipment Save test



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# Load Cycle Basics

**FLEETWATCHER**

Home Projects Equipment Reports Interfaces My Company Help Logout Map Menu

Welcome Earthwave Admin from Shelly South Control Panel Saved View Equipment Save test

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# Dual Geozones

**Materials Delivery**  
GK15203 - Meadowbrook  
Source: Bourbonnais Plant Destination: F3900 (350 ft.)

08:48 09:43 09:48 Switch to Graph View

S: 0 D: 3 Reset Map Zoom/Center

Map | Satellite

**Equipment**

41537 Live Bottom Trailer(Kenworth T880)  
Engine Running  
Sep 09 2015 09:43:57AM  
Speed: 0.0  
Heading: S  
Quadrant: At Destination  
Follow on Map Info Window  
Center on Map

F3900 10 ft Paver(Caterpillar 1055E)  
Engine Running  
Sep 09 2015 09:43:03AM  
Speed: 0.0  
Heading: W  
Quadrant: At Destination  
Follow on Map Info Window  
Center on Map

41532 Live Bottom Trailer(Mack CXU613)  
Engine Running  
Sep 09 2015 09:43:16AM  
Speed: 0.0  
Heading: S  
Quadrant: At Destination  
Follow on Map Info Window  
Center on Map

**Driving Directions**

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# MDS Tabular Report "Before"

## Load Cycle Analysis

Cycle Start Time	Source Geo-zone	Dest Geo-zone	Time in Source	Time to Dest	Time in Dest	Time to Next Source	Total Time
Grand Totals	-	-	25.43	18.09	69.44	14.55	128.31
Averages	-	-	0.16	0.11	0.42	0.10	1.17

75286

Cycle Start Time	Source Geo-zone	Dest Geo-zone	Time in Source	Time to Dest	Time in Dest	Time to Next Source	Total Time
2013-05-31 06:00:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	9	10	34	12	65
2013-05-31 07:05:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	15	14	48	10	87
2013-05-31 08:32:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	12	12	38	11	73
2013-05-31 09:45:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	14	11	38	15	80
2013-05-31 11:05:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	14	10	38	15	73
2013-05-31 12:18:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	12	13	38	10	73
2013-05-31 13:31:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	12	10	64	10	96
2013-05-31 15:07:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	9	10	35	10	64
2013-05-31 16:11:29	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	9	10	89	-	108
Totals	-	-	106	100	420	93	719
Averages	-	-	11	11	46	11	79

75285

Cycle Start Time	Source Geo-zone	Dest Geo-zone	Time in Source	Time to Dest	Time in Dest	Time to Next Source	Total Time
2013-05-31 06:00:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	15	13	31	12	71
2013-05-31 07:11:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	17	15	42	11	85
2013-05-31 08:36:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	11	13	39	9	72
2013-05-31 09:48:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	14	11	41	12	78
2013-05-31 11:06:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	14	10	38	11	73
2013-05-31 12:19:35	Asphalt Plant 73 - Erie Ave, SW	Job 720463 STK - IR 77	12	12	45	9	78
login.fleetwatcher.com/site/skins/default/html/inc/rpt_k2_popup#.SW	Job 720463 STK - IR 77	10	11	63	11	95	

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# MDS Graphical Dashboard "Before"

FLEETWATCHER

Home Projects Equipment Reports My Company Help Logout

11:36:53

Show Event Labels:

Generate Report

Animate from Current Tabular Report

Engine On  
Moving



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## E-Ticketing Solves Big Problems For DOT's

### Problems

- Paper Tickets
- Lost Tickets
- Ticket Verification
- Ticket Sorting
- Summing the tickets for Contractor Pay
- Safety for field personal on the jobsite



### Solutions

- Eliminates Paper Tickets
- No More Lost Tickets
- Real time Material and Tonnage Verification
- Quickly Summarize Tickets for Contractor Pay
- Reduce Worksite Hazards For Inspectors Frequently Dodging Trucks



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## E-Ticketing Benefits For Paving Contractors

- Safety – field personnel & drivers risk
- Scales Integration to Help with Job Costing / Future Bidding
- Transparency for quicker pay
- Collaboration – EDC4
- Optimize Cycle Times – Move More Tonnage
- Eliminate Bottle-necks at Paver and/or Plant
- Hold Drivers Accountable For Performance and Production
- Automate Payroll Processes
- Alerts / Notifications to Management When Benchmarks Fall Outside of Norm



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# Plant Integration

FleetWATCHER Home Projects Equipment Reports Material Delivery E-Logs My Company Help Logout 4:32:21 PM

### Scale Ticket Summary


Custom Date Range: Ticket start date: 05/29/2016 00:00 Ticket end date: 05/29/2016 23:59

Format Options: Output format: Excel

Generate Report

Print table

Ticket Number	Ticket Date	Scale Asset Name	FW Invoiced	Source	Weighmaster	Project Number	Project Name	Job Name	Phase Code	Material Name	Load ID	Qty Signed Today	Net Tons	Void	Waste Tons	Free Form 1	Material Temperature	Material Temp Time	DumpOPS Lat	DumpOPS Long
12355	May 29 2016 07:27 AM	LLP503	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	1	15.57	15.57	-	0.0	None	-	None	41.7812071	-91.905995
12356	May 29 2016 07:30 AM	LLP508	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	2	31.03	15.48	-	0.0	None	-	None	41.7854443	-91.9057304
12357	May 29 2016 07:31 AM	LLP510	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	3	48.21	15.18	-	0.0	None	-	None	41.7823548	-91.9102774
12358	May 29 2016 07:32 AM	LLP505	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	4	81.28	15.07	-	0.0	None	-	None	41.7850088	-91.9060785
12359	May 29 2016 07:33 AM	LLP504	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	5	78.18	14.91	-	0.0	None	-	None	41.7877013	-91.9089502
12360	May 29 2016 07:34 AM	LLP534	Yes	Plant # 17	BILL KNAPP	53130	48-1511-035 Hwy 151- Iowa Co	48-1511-035 HWY 151-IOWA CO	3201450	1/2 HT INTERMEDIATE	6	91.10	14.98	-	0.0	None	-	None	41.7887078	-91.9087312



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# Active Shift Card

48-1511-035 Hwy 151- Iowa Co May 29 6:00 AM - 7:59 PM

Project: 48-1511-035 Hwy 151- Iowa Co (edit)

Project Number: 53130

Source: Plant # 17

Destination: 48-1511-035 Hwy 151- Iowa Co

Load Count: 62

Total Tons: 959.65

Material Type: Asphalt

Phase Code: -

Shift Note: Add

Shift is 64% complete (8.91 out of 13.98 hours)

Actual Tons: 96% of Estimated 1000

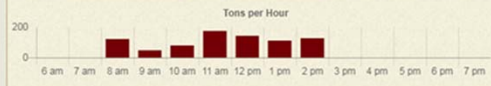

First Ticket: Truck # LLP503 at 7:27 with 15.57 tons of 1/2 HT INTERMEDIATE . First At Destination: 8:28.

KPI	Shift Ave	Last Hour	Target	Shift %	Hour %
Tph: Crew	90.07	140.52	Set 'Tph: Crew' Target		
Tph: Truck	105.46	140.52	Set 'Tph: Truck' Target		
Cycle	81.42	81.43	Set 'Cycle' Target		
TcpT	5.7.72	5.6.96	8	96.5 %	87 %

Material Loads Tons

1/2 HT INTER... 52 801.12

Tons per Hour

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# MDS Tabular Report

## Grand Totals:

Row	Cycle Start Time	Load Time	Tons	Source Geo-zone	Dest Geo-zone	Time in Source	Time to Dest	Time in Dest	Time to Next Source	Total Time
1	Grand Totals:		1168.28			13:36	33:31	38:52	30:21	116:20
2	Averages:		15.58			0:10	0:26	0:22	0:26	1:24

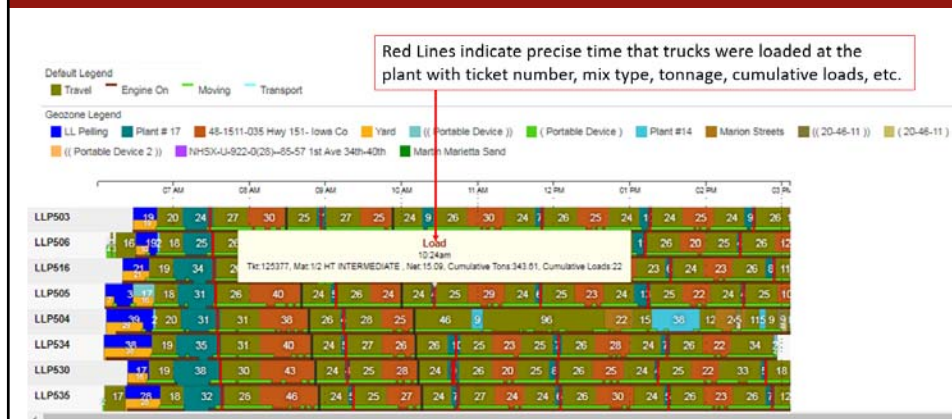
## LLP503:

Row	Cycle Start Time	Load Time	Tons	Source Geo-zone	Dest Geo-zone	Time in Source	Time to Dest	Time in Dest	Time to Next Source	Total Time
1	2018-05-29 07:07:25	2018-05-29 07:27:54	15.57	Plant # 17	48-1511-035 Hwy 151- Iowa Co	24	27	30	25	106
2	2018-05-29 08:53:25	2018-05-29 08:55:59	15.05	Plant # 17	48-1511-035 Hwy 151- Iowa Co	7	27	25	24	83
3	2018-05-29 10:16:25	-	-	Plant # 17	48-1511-035 Hwy 151- Iowa Co	9	26	30	24	89
4	2018-05-29 11:45:25	2018-05-29 11:49:55	14.96	Plant # 17	48-1511-035 Hwy 151- Iowa Co	7	26	25	24	82
5	2018-05-29 13:07:25	2018-05-29 13:14:58	14.87	Plant # 17	48-1511-035 Hwy 151- Iowa Co	10	24	25	24	83
6	2018-05-29 14:30:21	2018-05-29 14:36:58	14.99	Plant # 17	48-1511-035 Hwy 151- Iowa Co	9	26	22	25	82
7	2018-05-29 15:52:21	2018-05-29 15:55:10	15.1	Plant # 17	48-1511-035 Hwy 151- Iowa Co	6	26	18	-	50
<b>Totals</b>			90.54			72	182	175	146	575
<b>Averages</b>			15.09			10	26	25	24	82



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# MDS Graphical Dashboard



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# Animation

**Materials Delivery**  
45-1511-035 Hwy 151- Iowa Co  
Source: Plant # 17 (D.R.) Destination: 45-1511-035 Hwy 151- Iowa Co (D.R.)

15:14 15:19 15:59 S: 0 D: 2  
4 7

Switch to Graph View  
Reset Map Zoom/Center

**LLPS27 Dump Truck/Freightliner FLD120SD**  
Scale Asset Name: -  
Engine Running  
May 29 2018 03:18:21 PM  
Speed/Heading: 45.2 MPH SW  
Quadrant: Transit to Destination  
Driver: Scott Oher  
Mobile Phone: -  
**Cumulative Loads**  
Cumulative Tons: 976.60  
Cumulative Loads: 63  
**Last Load**  
Ticket Date: May 29 18 03:02 PM  
Ticket Number: 125422  
Phase Code: 300 1450  
Material Name: 1/2 HT INTERMEDIATE  
Net UST: 16.95  
Source Plant: Plant # 17

**Statistics & Information**

**Equipment**

LLPS33 Dump Truck/Freightliner FLD120SD  
Scale Asset Name: -  
Engine Running  
May 29 2018 03:18:19 PM  
Speed/Heading: 18.8 MPH W  
Quadrant: Transit to Destination  
Driver: -  
Mobile Phone: -  
**Cumulative Loads**  
Cumulative Tons: 867.23  
Cumulative Loads: 55  
**Last Load**  
Ticket Date: May 29 18 02:51 PM  
Ticket Number: 126403  
Phase Code: 300 1450  
Material Name: 1/2 HT INTERMEDIATE  
Net UST: 17.06  
Source Plant: Plant # 17  
Follow on map | Info Inflow | Center on map

LLPS14 Mid-Flotation/Work 7800  
Scale Asset Name: -  
Engine Running  
May 29 2018 03:18:30 PM  
Speed/Heading: 55.3 MPH SW  
Quadrant: Transit to Destination  
Driver: -  
Mobile Phone: -  
**Cumulative Loads**  
Cumulative Tons: 891.49  
Cumulative Loads: 62  
**Last Load**  
Ticket Date: May 29 18 02:53 PM  
Ticket Number: 126421  
Phase Code: 300 1450  
Material Name: 1/2 HT INTERMEDIATE  
Net UST: 14.36  
Source Plant: Plant # 17  
Follow on map | Info Inflow | Center on map

LLPS12 Dump Truck/Freightliner FLD120SD  
Scale Asset Name: -  
Engine Running  
May 29 2018 03:18:30 PM  
Speed/Heading: 16.2 MPH W  
Quadrant: Transit to Destination  
Driver: Eric Dough  
Mobile Phone: -  
**Cumulative Loads**  
Cumulative Tons: 144.49  
Cumulative Loads: 81  
**Last Load**

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# Fleetwatcher Dumps

**Materials Delivery**  
45-1511-035 Hwy 151- Iowa Co  
Source: Plant # 17 Destination: 45-1511-035 Hwy 151- Iowa Co

Dump Map  
Reset Map Zoom/Center

Dumps

**Dump #1**  
LLPS12 Dump Truck/Freightliner FLD120SD  
Scale Asset Name: -  
May 29th 2018 2:19:35 pm  
Tic: 125427 Mat: 1/2 HT INTERMEDIATE, Mat: 14.91  
Lat: 41.7666168 Long: -91.9087527

**Dumps**

Dump #1  
LLPS12 Mini Flow (Freightliner FLD120SD)  
Scale Asset Name: -  
May 29th 2018, 8:28:23 am  
Tic: 126368, Mat: 1/2 HT INTERMEDIATE, Mat: 15.87  
Lat: 41.7612071, Long: -91.909786

Dump #2  
LLPS08 Mini Flow (Freightliner FLD120SD)  
Scale Asset Name: -  
May 29th 2018, 8:32:36 am  
Tic: 126366, Mat: 1/2 HT INTERMEDIATE, Mat: 15.46  
Lat: 41.7644443, Long: -91.9087284

Dump #3  
LLPS18 Mini Flow (Kamworth T800)  
Scale Asset Name: -  
May 29th 2018, 8:33:12 am  
Tic: 126367, Mat: 1/2 HT INTERMEDIATE, Mat: 15.18  
Lat: 41.7022846, Long: -91.9102174

Dump #4  
LLPS08 Mini Flow (Freightliner FLD120SD)  
Scale Asset Name: -  
May 29th 2018, 8:40:22 am  
Tic: 126366, Mat: 1/2 HT INTERMEDIATE, Mat: 15.07  
Lat: 41.7996056, Long: -91.9097768

Dump #5  
LLPS04 Mini Flow (Freightliner FLD120SD)  
Scale Asset Name: -

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# Mobile App Functionality

The first screenshot shows the 'Today's Shifts' screen for '11 E Greene County'. It displays shift details: 6:00 AM - 4:59 PM, Project # 118077, and a circular diagram with 'S:4', '12', and 'D:0'. Below this is a table of KPIs and a progress bar showing 'Shift is 73% complete' and 'Actual Tons: 53% of Estimated 2000'. A table of material loads follows:

Material	Loads	Tons			
411-ESH PG64-22 6.0% Temp 310	43	955.61			
KPI	Start	Hour	Target	SPH%	4HSP%
TGH Crew	122.92	208.89	230.0	53.43%	89.95%
TGH Truck	184.79	208.89	230.0	80.34%	89.95%
F&M	38.31	37.61	50.0	127.70%	134.67%
Cycle	68.66	65.37	75.0	91.55%	87.16%
TCDF	\$3.99	\$3.64	7.15	55.80%	50.91%

The second screenshot shows 'Today's Shifts' for 'Gramercy PH 8' with dates Feb 4 7:00 AM - Feb 4 5:59 PM, Project # 43341, and a circular diagram with 'S:4' and 'D:0'. It lists menu options: KPI Graphs, Scale Tickets, Map, LCA, Note, and Set KPI Targets.

The third screenshot shows a 'Shift Note' dialog for '11 E Greene County' with a text area containing: 'Trucks are going to be delayed due to the shuttle buggy not starting. 2307 had an appt and left at 11. Going to add one of the dg trucks asap to get back to 230 tons per hour asap.' It includes 'Cancel', 'Shift Note', and 'Save' buttons.

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# Real Time Data

The first screenshot shows a map view of '11 E Greene Co' with a circular overlay and a circular diagram with 'S:4', '11', and 'D:0'. The map is labeled 'Cranfills Asphalt Plant 3'.

The second screenshot shows a map view of '11 E Greene Co' with a circular overlay and a circular diagram with 'S:4', '11', and 'D:0'. It includes a 'Will Update in 41 seconds' indicator and map controls for 'Standard', 'Satellite', 'Hybrid', and 'LCA'.

The third screenshot shows an 'LCA Graph' titled 'LCA Shift Report 11 E'. It displays a Gantt chart for 'Greene Co: 2018-06-18 AM / 06:00 - 18:59' with columns for 'Time' and 'Value'. A legend identifies 'Truck' (blue), 'Engine On' (green), and 'Mining' (yellow). A 'Gasoline Legend' identifies 'Greene Asphalt Plant 3' (blue) and 'Greene Volume' (yellow).

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# Temperature, Waste, & Notes

**300060321**

Material Name: 411-ESH PG64-22 6.0% Temp 310  
 Cumulative Tons: 1179.51  
 Void: 0  
 Net Tons: 22.98  
 Waste Tons: 0.0  
 Free Form 1: --  
 Temperature: --

WASTE INFO  
 Update Waste: 0.0

TEMPERATURE INFO  
 Add Temperature

NOTES  
 Add Note



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# Delivered Loads – by the hour

**11 E Greene County**

Loaded: Jun 18 08:52	Dumped: Jun 18 09:20
Asset Name: S2293	Material: 411-ESH PG64-22 6.0%
Tons: 22.96	
Loaded: Jun 18 08:54	Dumped: Jun 18 09:24
Asset Name: S2278	Material: 411-ESH PG64-22 6.0%
Tons: 22.98	
Loaded: Jun 18 08:56	Dumped: Jun 18 09:26
Asset Name: S2294	Material: 411-ESH PG64-22 6.0%
Tons: 22.97	
Loaded: Jun 18 08:57	Dumped: Jun 18 09:37
Asset Name: S2295	Material: 411-ESH PG64-22 6.0%
Tons: 22.98	
Loaded: Jun 18 08:59	Dumped: Jun 18 09:41
Asset Name: S2296	Material: 411-ESH PG64-22 6.0%
Tons: 23.03	
Loaded: Jun 18 09:00	Dumped: Jun 18 09:47
Asset Name: S2307	Material: 411-ESH PG64-22 6.0%
Tons: 26.51	
Loaded: Jun 18 09:02	Dumped: Jun 18 09:52
Asset Name: S2277	Material: 411-ESH PG64-22 6.0%
Tons: 22.94	
Loaded: Jun 18 09:04	Dumped: Jun 18 09:58
Asset Name: S2275	Material: 411-ESH PG64-22 6.0%
Tons: 22.98	

47 Tickets  
 Total Tons: 1087.62

**CONECH CR 43 STPN-1818(250)**

Loaded: Jan 09 07:00	Dumped: Jan 09 07:42
Asset Name: 59-198	Material: 424 SP 3/8" A/ B LEVEL
Tons: 26.02	
Loaded: Jan 09 07:02 <th>Dumped: Jan 09 07:53</th>	Dumped: Jan 09 07:53
Asset Name: 59-158	Material: 424 SP 3/8" A/ B LEVEL
Tons: 25.68	
Last Hour	
08:00 AM	
Loaded: Jan 09 07:28	Dumped: Jan 09 08:12
Asset Name: 59-189	Material: 424 SP 3/8" A/ B LEVEL
Tons: 25.95	
Loaded: Jan 09 07:35	Dumped: Jan 09 08:31
Asset Name: 59-201	Material: 424 SP 3/8" A/ B LEVEL
Tons: 25.26	
UnDumped Loads	
Loaded: Jan 09 07:43	Dumped: Jan 09 07:53
Asset Name: 0643	Material: 424 SP 3/8" A/ B LEVEL
Tons: 25.79	

13 Tickets  
 Total Tons: 334.51



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# Temperature, Waste, & Notes

**Scale Ticket Summary**  
Custom Date Range: 05/20/2019 00:00 - 05/20/2019 23:59

**Edit Ticket Info**

Ticket Number: 125355  
Wet G: 15.87  
Waste Tons: 0  
Material Temperature: 0  
Dump Location: No notes for this ticket yet.

Ticket Number	Ticket Date	Scale Used	FWT	Source	Wagon/Trailer	Project Number	Project Name	Wet G	Waste Tons	Final Temp	Material Temperature	Material Temp Time	Dump GPS Lat	Dump GPS Long	
125355	May 20 2019 07:27 AM	LLP503	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	15.87	0.0	None	0	None	41.702211	-81.908905	
125356	May 20 2019 07:30 AM	LLP503	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	0	0.0	None	0	None	41.702443	-81.908704	
125357	May 20 2019 07:31 AM	LLP516	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	0	0.0	None	0	None	41.702349	-81.9102774	
125358	May 20 2019 07:32 AM	LLP503	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	0	0.0	None	0	None	41.700500	-81.9080765	
125359	May 20 2019 07:35 AM	LLP504	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	0	0.0	None	0	None	41.701913	-81.9089002	
125360	May 20 2019 07:34 AM	LLP514	Yes	Plant # 17	BILL KNAPP	5310	45-101-025 May 19-10-2019	320.1400	0	112 HT INTERMEDIATE	0	01:10	14.00	41.700703	-81.9087312

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# Material Summary Report

Report Prepared by: Mike Schulz

Project Name: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Start Date and Time: 01/03/2019 00:00:00 End Date and Time: 01/03/2019 23:59:59  
 Ticket#: 305972 Ticket#: 306158  
 Time: 07:02:28 Time: 14:31:36

Material Name	Total Tons Batched	Total Tons Voided	Total Tons Wasted	Total Tons for Pay
12.5C	495.11	0	0.0	495.11
Received Millings	521.24	0	0.0	521.24
Millings with Dirt	105.53	0	0.0	105.53

I certify the Daily Haul Summary is true, accurate, and complete.

\_\_\_\_\_  
Subcontractor/Supplier Signature Date

I certify the Daily Haul Summary has been reviewed, corrected as necessary, and approved.

\_\_\_\_\_  
Engineer's Signature Date

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# Questions



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