

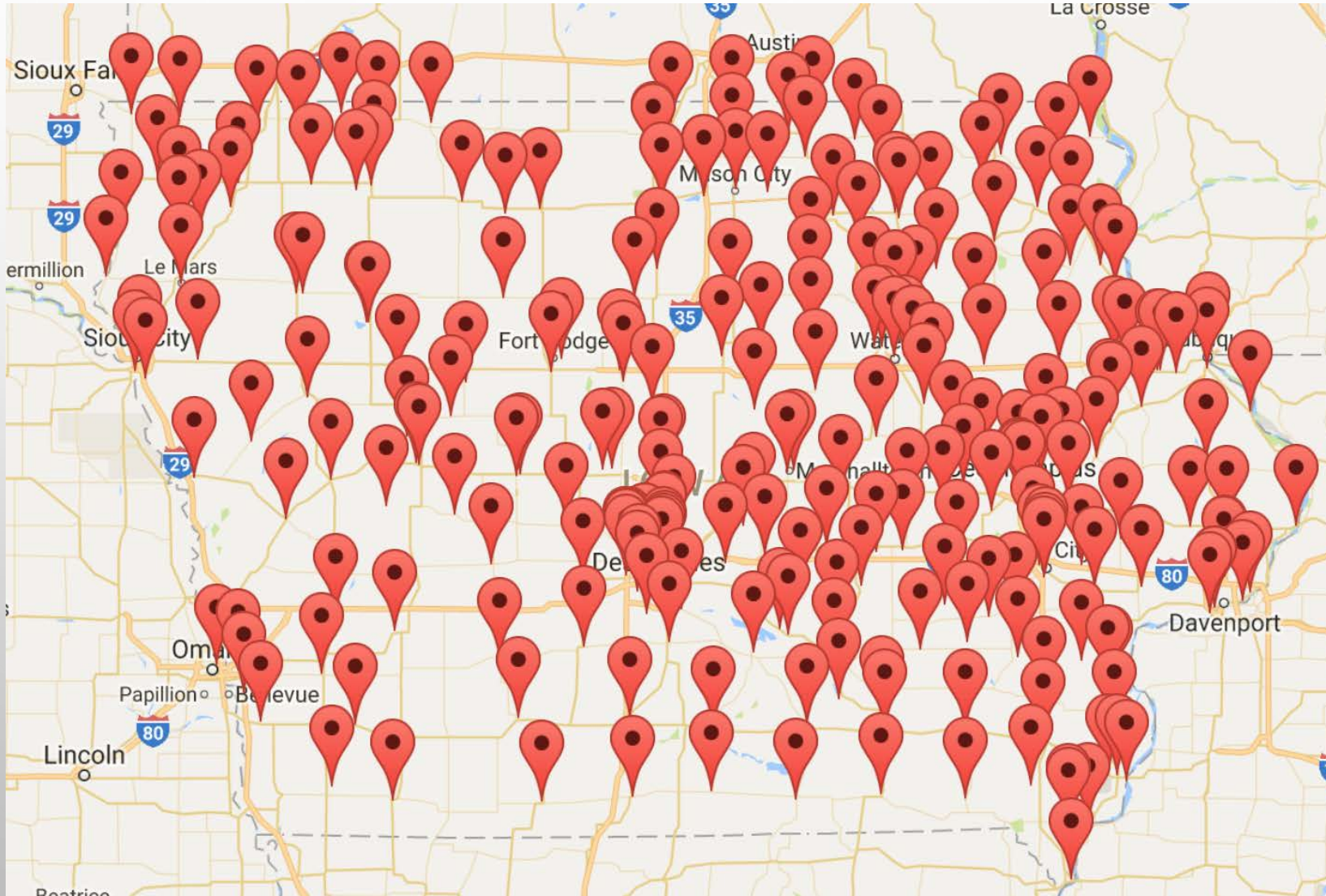


E-TICKETING

GREG MULDER, P.E. ICPA/IRMCA

LEE SHEPARD, IOWA DOT

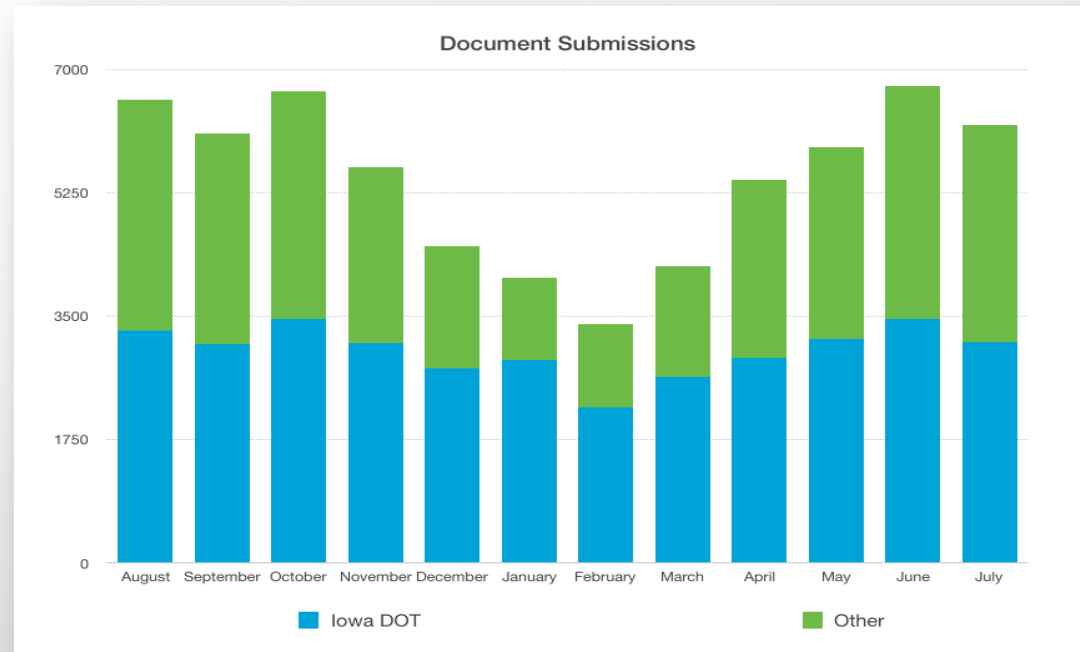
IOWA READY MIX CONCRETE PLANTS



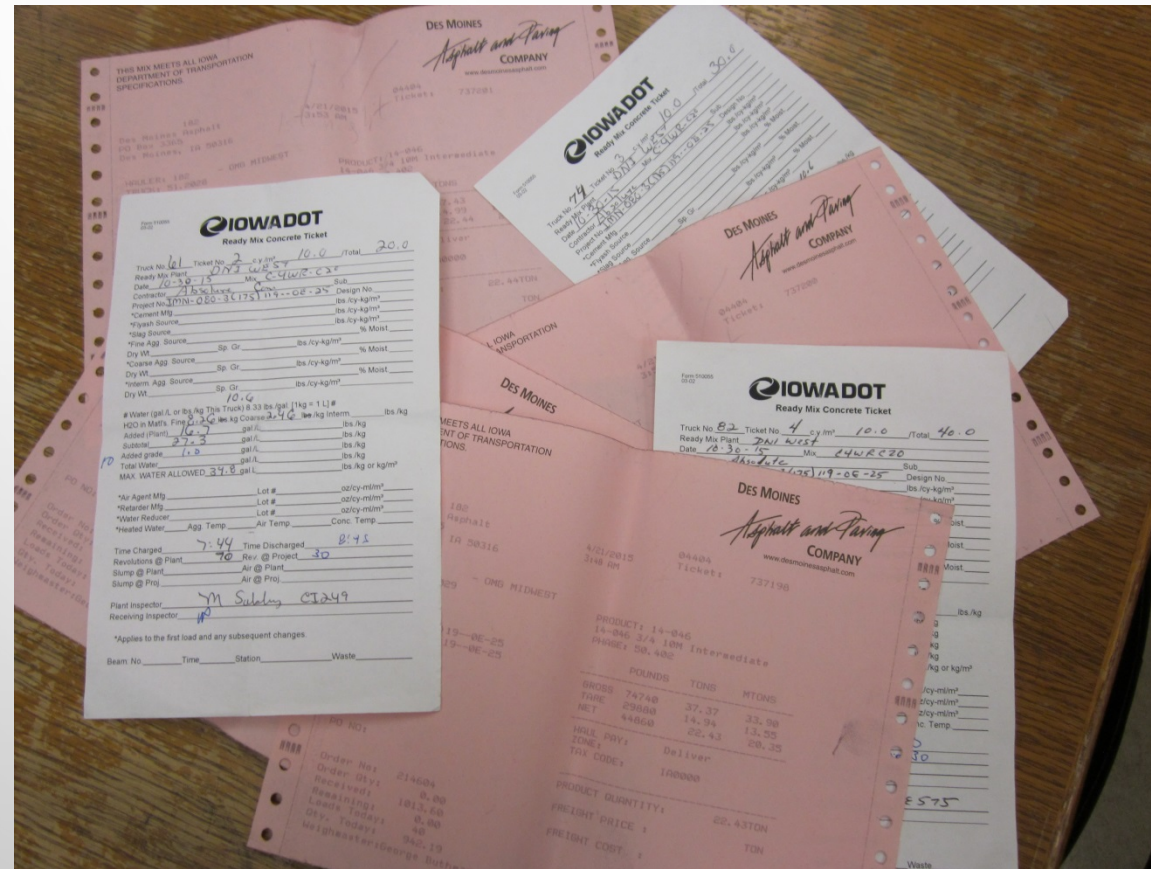
WHY E-TICKETS? 100% PAPERLESS?

➤ As of May, 2017

- 500+ Agency Users
- 300+ Non-Dot Users
- 2330+ Contracts
- 300,000+ Documents



THIS DOESN'T INCLUDE TICKETS!!





PCC E-TICKETS



#1000136 <> Code Print Send

ON JOB @ 20:35:14 Date: Aug 23, 2016

Plant: 2 Truck: 55 Driver: Torres, Jose

Order#: 100 PO#: Job#: Project name: Test Demo

Customer#: CAL1074 Project#: Test

Sold to: Cal Concrete Construction

Deliver to: 801-901 W Jefferson St Knoxville

Qty	Unit	Description	Unit price	Amount
10	cy	3000 PSI MIX W/541 CEM	\$75.00	\$750.00
1	/l	HAULING CHARGE	\$30.00	\$30.00
Sub Total:				\$780.00
TAX:				\$20.63
Total:				\$800.63

Ordered: 250.00 Delivered: 10.00 Slump: 4.00

> Batch Weights < Water Details

W/C ratio: 0.40 (on site: 0.43)

Max water allowed:

Sand water:

Batched water:

Water added on site: 20.0 gl

Water added allowed on site: 0 gl

Verizon LTE 9:57 AM 21% istrada.net

ISTRADA lee.shepard@owadot.us

Dashboard Apr 7, 2017 All plants Apply

Orders

- Delivered: 30.00 yd³
- Left: 326.00 yd³
- Completed: 0
- Pending: 1

Order delivery by hour

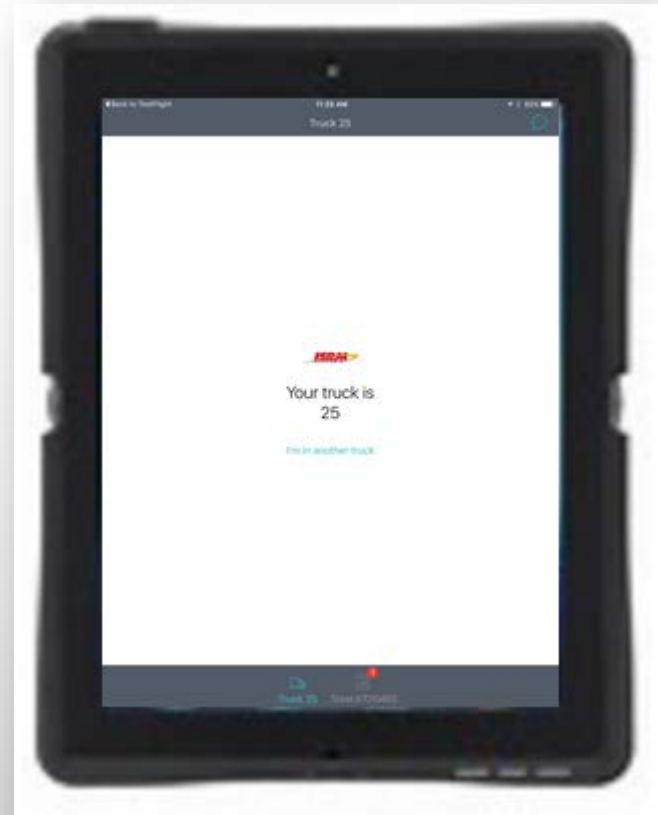
Pending Completed All

Yd ³	Plant	Project	Customer
356 yd ³			Min. Order
356 yd ³			Order Av.
356 yd ³			Max. Order

Top orders

1	8	356.00 yd ³	(160) Polk County Bridge Replacement
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TABLET IN CONCRETE TRUCK



GEOZONES

Geozones Around

- Plant Site
- Job Site
- Other Places?
 - Adjacent Jobsites?
 - Wash Out Location?

The screenshot displays the iSTRADA web application interface. The browser address bar shows the URL <https://istrada.net/app/#/orders/59a813d9d4708000102f2a63>. The application header includes the iSTRADA logo and a navigation menu with options like Tickets, Map, Accounts, Employees, Customers, Projects, Items, Plants, Orders (highlighted), Trucks, Devices, Time Reports, DVIR's, and Company Settings. The main content area shows order details: Order date: Aug 31, 2017; Order number: 101; Delivery Address: 123 Main St, Buffalo, NY 14203, USA; Customer: Colonial Builders. Below the details is a map of Buffalo, NY, with a blue circular geozone centered on the intersection of Exchange St and Washington St. Other landmarks on the map include Pearl Street Grill & Brewery, Seneca Station, Buffalo Bisons Baseball, Pizza Plant Italian Pub - Canalside, Erie Canal Harbor, and Courtyard by Marriott Buffalo.

TICKET UPDATES ON DRIVERS TABLET

Verizon LTE 11:45 AM 80%

Loading

Ticket #7010469

ISPM
IOWA STATE READY MIX

Ticket#: 7010469
Date: Sep 14, 2016

Plant: 7 Truck: 25 Driver: MICHAEL ARMSTONG
Order#: 180 PO#: Job#:
Customer#: 55 Project#: 55116 Project name: BLANKET - DES MOINES 2016

Sold to: NEHRING CONSTRUCTION, INC.
Deliver to: 6210 NE 14TH DSM**COOPER

Qty	Unit	Description	Unit price	Amount
7	cy	4000 COMM- INTERIOR		
7	/y	READY MIX TRUCK HAUL CHARGE		

Sub Total:
TAX:
Total:

Ordered: 00110.00 Delivered: 00042.00 Slump: 0006.00

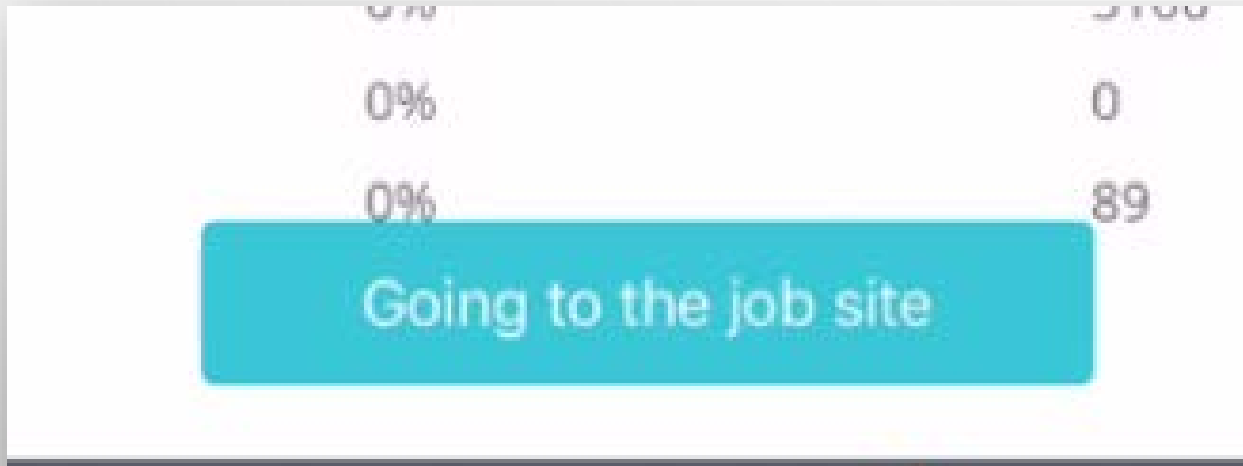
Load time: 11:27:03

	ACTUAL	MOISTURE	TARGET	UNIT
SAND	11180	3% (335.40)	11139	lb
COM-L/S	11880	1% (118.80)	11920	lb
CEMENT	3020		3024	lb
WATER	171		171	gl
FAC	840		750	lb
MRWR	189		189	oz
HOT	0		0	gl

Going to the job site

Truck 25 Ticket #7010469

STATUS CHANGES



Status

Truck	
Ticketed	0
Loading	0
To Job	0
On Job	0
Pouring	0
Washing	0
To Plant	0
At Plant	0

Ticket <

BATCH WEIGHTS BROUGHT IN

LOAD TIME: 07:21:14 MAX WATER ALLOWED: 0.00 WATER ADDED @ PLANT: 0.00 WATER ADDED @ JOBSITE: 0.00
W/C RATIO @ PLANT: 0.37 W/C RATIO @ JOBSITE: 0.37

	ACTUAL	MOISTURE	TARGET	UNIT
LIMESTONE	14360	0.6% (10.32 gl)	14266	LB
SAND	12480	3.3% (49.35 gl)	12596	LB
LS 3/8" CHIPS	3280	0.6% (2.36 gl)	3089	LB
CEMENT 1	3995		3970	LB
FLYASH	1975		1960	LB
RETARDER	120		119	OZ
POLYCHEM SA	90		90	OZ
KB1200	177		178	OZ
WATER	201		203	GL

PLANT INSPECTION INFO ADDED BY CPI

iSTRADA
the way to GO

TICKET MANAGEMENT

- Tickets
- Map

RESOURCES

- Accounts
- Projects

SETTINGS

- Company Settings

At Plant On Site

At Plant

Air Content:

Slump:

Temperature:

Water Added:

Unit Weight:

Accepted

Signed By:*

Notes:

Cancel Save

INSPECTION DATA ENTERED AT SITE

iSTRADA
the way to go

Inspector Administrator

Home - Tickets - Ticket #9201983

← Ticket #9201983 · Inspection

At Plant On Site

On Site

Air Content: +

Slump: +

Temperature: +

Water Added: ×

× +

Discharged Time: :

Revolutions:

Unit Weight:

Accepted

Signed By:*

Notes:

Cancel Save

DRIVER TABLET*

Verizon LTE 11:45 AM 80%
 On the job site
 #7010469

ISRM
 IOWA STATE READY MIX

Ticket#: 7010469
 Date: Sep 14, 2016

Plant: 7 Truck: 25 Driver: MICHAEL ARMSTONG
 Order#: 180 PO#: Job#:
 Customer#: 55 Project#: 55116 Project name: BLANKET - DES MOINES 2016

Sold to: NEHRING CONSTRUCTION, INC.
 Deliver to: 6210 NE 14TH DSM**COOPER

Qty	Unit	Description	Unit price	Amount
7	cy	4000 COMM- INTERIOR		
7	/y	READY MIX TRUCK HAUL CHARGE		

Sub Total:
 TAX:
 Total:

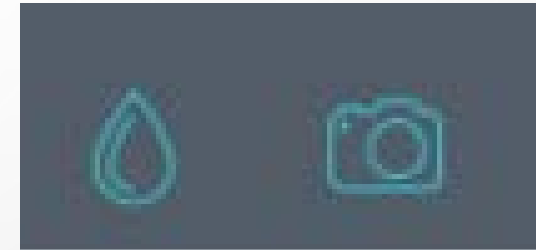
Ordered: 00110.00 Delivered: 00042.00 Slump: 0006.00

Load time: 11:27:03

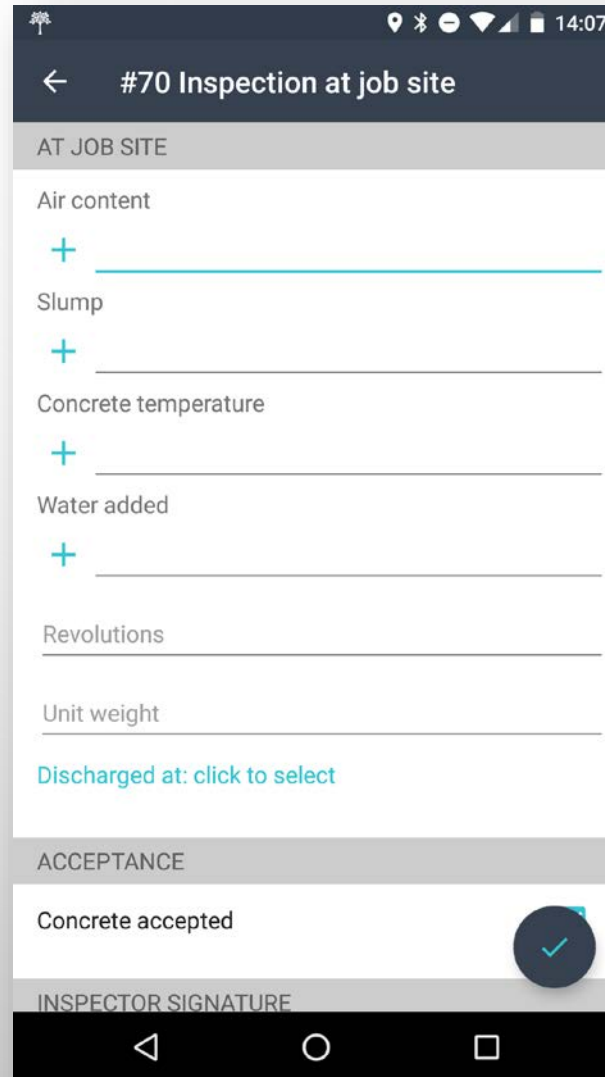
	ACTUAL	MOISTURE	TARGET	UNIT
SAND	11180	3% (335.40)	11139	lb
COM-L/S	11880	1% (118.80)	11920	lb
CEMENT	3020		3024	lb
WATER	171		171	gl
FAC	840		756	lb
MRWR	189		189	oz
HOT	0		0	gl

Pouring

Truck 25 #7010469



SMART PHONE



The image shows a smartphone screen with a dark blue header bar containing a back arrow and the text "#70 Inspection at job site". The status bar at the top shows various icons and the time "14:07". The main content area is divided into sections: "AT JOB SITE" (grey header), "Air content" (with a teal "+" icon and a horizontal line), "Slump" (with a teal "+" icon and a horizontal line), "Concrete temperature" (with a teal "+" icon and a horizontal line), "Water added" (with a teal "+" icon and a horizontal line), "Revolutions" (with a horizontal line), and "Unit weight" (with a horizontal line). Below these is a teal link "Discharged at: click to select". The next section is "ACCEPTANCE" (grey header) with the text "Concrete accepted" and a teal checkmark icon. The final section is "INSPECTOR SIGNATURE" (grey header). The bottom of the screen shows the standard Android navigation bar.

14:07

← #70 Inspection at job site

AT JOB SITE

Air content
+ _____

Slump
+ _____

Concrete temperature
+ _____


Water added
+ _____

Revolutions

Unit weight

[Discharged at: click to select](#)

ACCEPTANCE

Concrete accepted 

INSPECTOR SIGNATURE

INSPECTOR'S SIGNATURE

INSPECTION ON SITE

INSPECTOR: Ryan utter



ACCEPTED

NOTES:
Sta 76+98 lt

AIR CONTENT: 8.90 SLUMP: 0.00 TEMPERATURE: 83.0 F WATER ADDED: 0.00 DISCHARGE TIME: 09:53:49
REVOLUTIONS: 30

KEY TIMES RECORDED

TO PLANT @ 12:49:03

WASHING @ 12:48:51

POURING @ 12:48:39

ON JOB @ 12:45:51

TO JOB @ 12:45:40

LOADING @ 12:36:18

TICKETED @ 12:25:49

PINS DROPPED ON MAP

#1000136 </> Code Print Send

TO JOB @ 20:34:05 Date: Aug 23, 2016

Plant: 2 Truck: 55 Driver: Torres, Jose

Order#: 100 PO#: Job#:

Customer#: CAL1074 Project#: Test Project name: Test Demo

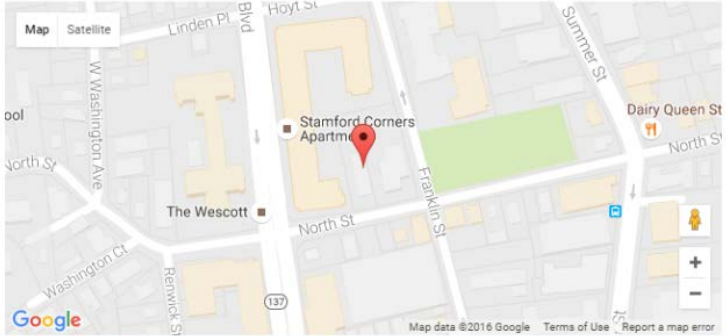
Sold to: Cal Concrete Construction

Deliver to: 801-901 W Jefferson St Knoxville

Qty	Unit	Description	Unit price	Amount
10	cy	3000 PSI MIX W/541 CEM	\$75.00	\$750.00
1	/l	HAULING CHARGE	\$30.00	\$30.00
			Sub Total:	\$780.00
			TAX:	\$20.63
			Total:	\$800.63

Ordered: 250.00 Delivered: 10.00 Slump: 4.00

[> Batch Weights](#) [> Water Details](#)



Map data ©2016 Google Terms of Use Report a map error

TICKETS EMAILED OR .PDF DOWNLOADABLE



TICKET #327739 DATE Sep 15, 2017

PLANT N	TRUCK 141	DRIVER Perez, Carlos	TICKETED: 07:19:49
ORDER# 4	PO# 835	JOB#	TO JOB: 16:11:14
CUSTOMER# STE1090	PROJECT# STE835	PROJECT NAME Des Moines- BO 103 Park Ave	

SOLD TO: Sternquist Construction

DELIVER TO: BO 103 Park Ave Des Moines, IA

PRODUCT NO.	QTY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
DCSUDSA	10	cy	C-SUD 3 Agg, SA Air, 5 oz WR 1 oz Ret		
200	10	cy	Hauling Charge		
SUB TOTAL:					
TAX:					
TOTAL:					

ORDERED: 1200.00 DELIVERED: 10.00 SLUMP: 2.50

LOAD TIME: 07:21:14 MAX WATER ALLOWED: 0.00 WATER ADDED @ PLANT: 0.00 WATER ADDED @ JOBSITE: 0.00
W/C RATIO @ PLANT: 0.37 W/C RATIO @ JOBSITE: 0.37

	ACTUAL	MOISTURE	TARGET	UNIT
LIMESTONE	14360	0.6% (10.32 g)	14266	LB
SAND	12480	3.3% (49.35 g)	12596	LB
LS 3/8" CHIPS	3280	0.6% (2.36 g)	3089	LB
CEMENT 1	3995		3970	LB
FLYASH	1975		1960	LB
RETARDER	120		119	OZ
POLYCHEM SA	90		90	OZ
KB1200	177		178	OZ
WATER	201		203	GL

INSPECTION ON SITE

INSPECTOR: Ryan utter

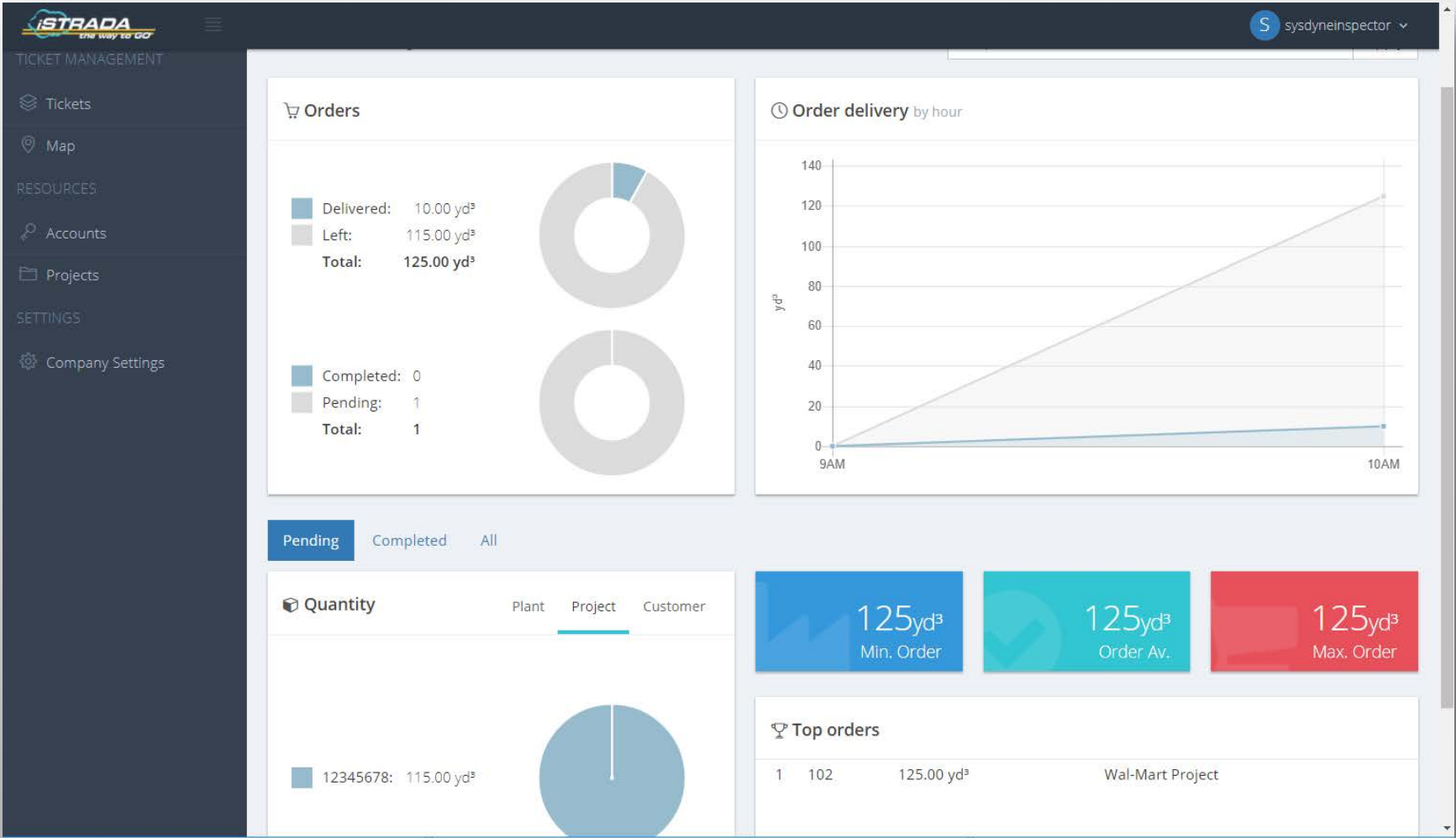


ACCEPTED

NOTES:
Sta 76+98 ft

AIR CONTENT: 8.90 SLUMP: 0.00 TEMPERATURE: 83.0 F WATER ADDED: 0.00 DISCHARGE TIME: 09:53:49
REVOLUTIONS: 30

DASHBOARD OF POUR



TICKET BOARD

Status	Tickets Search Export ↑↓
Truck <	#328251 Order: 92 Truck: 135 Morton, Orville
Ticket <	Sternquist Construction Des Moines- BO 103 Park Ave BO 103 Park Ave Des Moines, IA 📅 Sep 27, 2017 TO JOB INSPECTED
Date range	#328249 Order: 92 Truck: 121 Adamovicz, Richard
Today	Sternquist Construction Des Moines- BO 103 Park Ave BO 103 Park Ave Des Moines, IA 📅 Sep 27, 2017 TO JOB INSPECTED
This Week	#328238 Order: 86 Truck: 125 Bentley, Dennis
Custom ▾	Sternquist Construction Des Moines- BO 103 Park Ave BO 103 Park Ave Des Moines, IA 📅 Sep 27, 2017 TO JOB INSPECTED
From <input type="text" value="2017-09-27"/>	#328248 Order: 92 Truck: 98 Flores, Cesar
To <input type="text" value="2017-09-27"/>	Sternquist Construction Des Moines- BO 103 Park Ave BO 103 Park Ave Des Moines, IA 📅 Sep 27, 2017 TO JOB INSPECTED
Show date range	#328246 Order: 86 Truck: 107 Ramirez, Salvador
	Sternquist Construction Des Moines- BO 103 Park Ave BO 103 Park Ave Des Moines, IA

WHAT DOES THE CITY INSPECTION STAFF NEED TO GET READY

- LAPTOP, TABLET, OR SMART PHONE – ANY BRAND TYPICALLY WORKS
 - INTERNET CAPABILITY
 - CELLULAR DATA PLAN OR HOTSPOT
 - OFFLINE MODE ON DRIVERS TABLET
 - BROWSERS SUPPORTED
 - IE, CHROME, FIREFOX, SAFARI, OTHERS...
- USER NAME AND PASSWORD FOR SECURITY
- GOOD COMMUNICATION WITH CONTRACTOR/CONCRETE SUPPLIER!

QUESTIONS?

