



Mobile Data Entry for RFID

RFID MRR

NCDOT Materials and Tests Unit



Report Name: Precast Concrete

Report ID: 62233

Report Status: Authorized

General Results Alt IDs Report History

Alternate IDs for Material:

Concrete, Precast, Barrier, Single Face- Each

Alternate Type	Alternate ID	Status	Quantity	Available
Piece	1C0127000000000000000027779	In Use	1.000	.000
Piece	1C0127000000000000000028209	In Use	1.000	.000
Piece	1C0127000000000000000027960	In Use	1.000	.000
Piece	1C0127000000000000000028055	In Use	1.000	.000
Piece	1C0127000000000000000028140	In Use	1.000	.000
Piece	1C0127000000000000000027943	In Use	1.000	.000
Piece	1C0127000000000000000027886	In Use	1.000	.000
Piece	1C0127000000000000000027840	In Use	1.000	.000
Piece	1C0127000000000000000028509	In Use	1.000	.000
Piece	1C0127000000000000000027948	In Use	1.000	.000
Piece	1C0127000000000000000027898	In Use	1.000	.000
1 of 11 Items			11.000	0.000

Define Range

Count: 2

Create Range

Clear Range

Show Summary

WELCOME

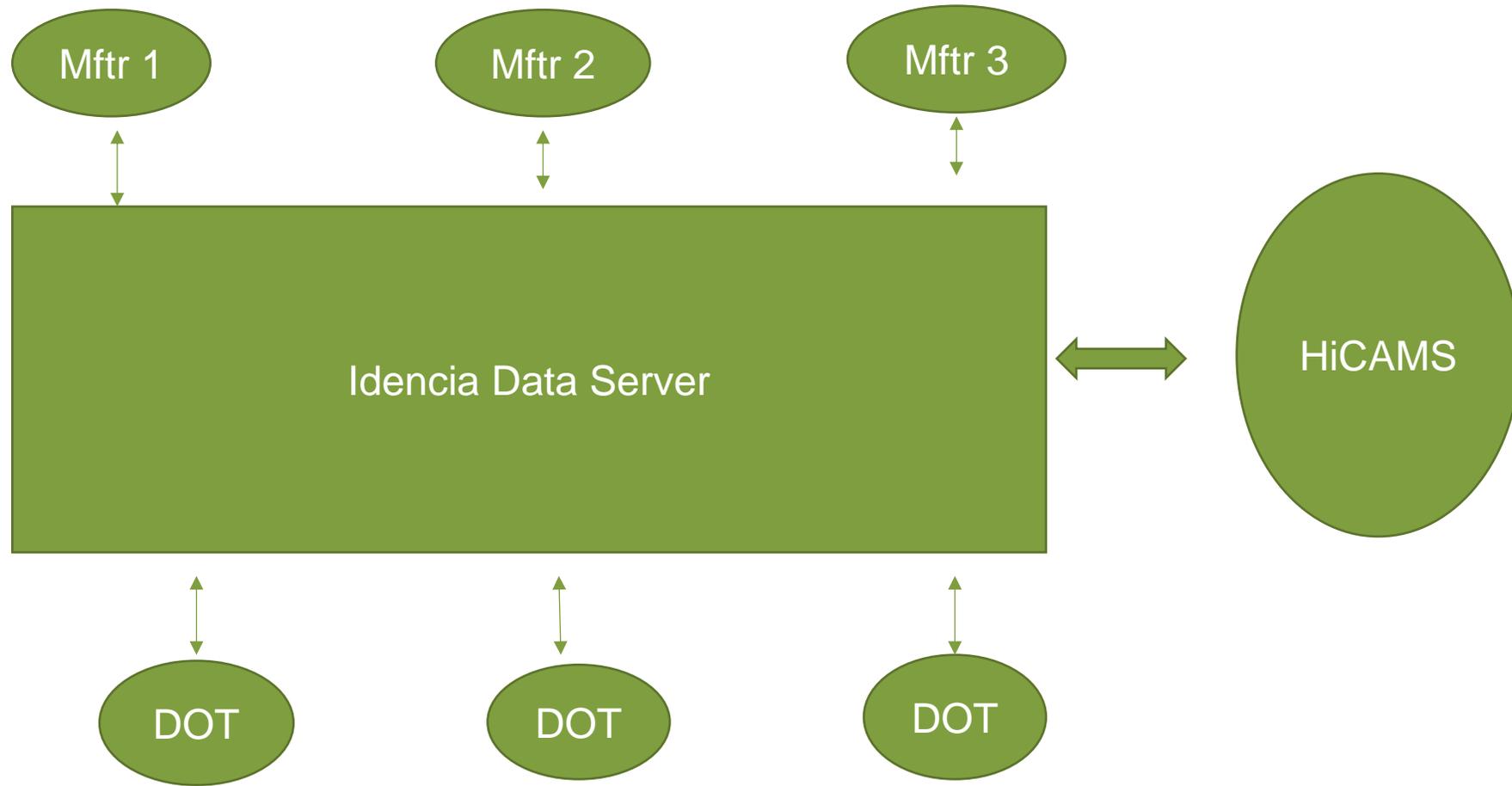


Introduction

- The final link in the RFID program is the receiving of the project onto the project site.
- The producer has entered the quality control and initial production information into the RFID, mostly through the Idencia program.
- Idencia is the conduit through which data is transmitted from the producer, and transmitted to HiCAMS.
- The NCDOT, through the Materials and Tests technicians, inspect the product pieces to ensure quality control. Materials and Tests also utilizes the Idencia software to transmit test results to HiCAMS.
- HiCAMS uses the information transmitted from Idencia to create the Field Inspection Report (FIR). Information transmitted is a combination of the producer's initial QC process, and the M&T technicians QA inspection.
- The project inspector receives the product based on the RFID. If the RFID is in the HiCAMS, the producer's info and the M&T technicians info has been confirmed and meets specification.
- The product is then accepted on the project.



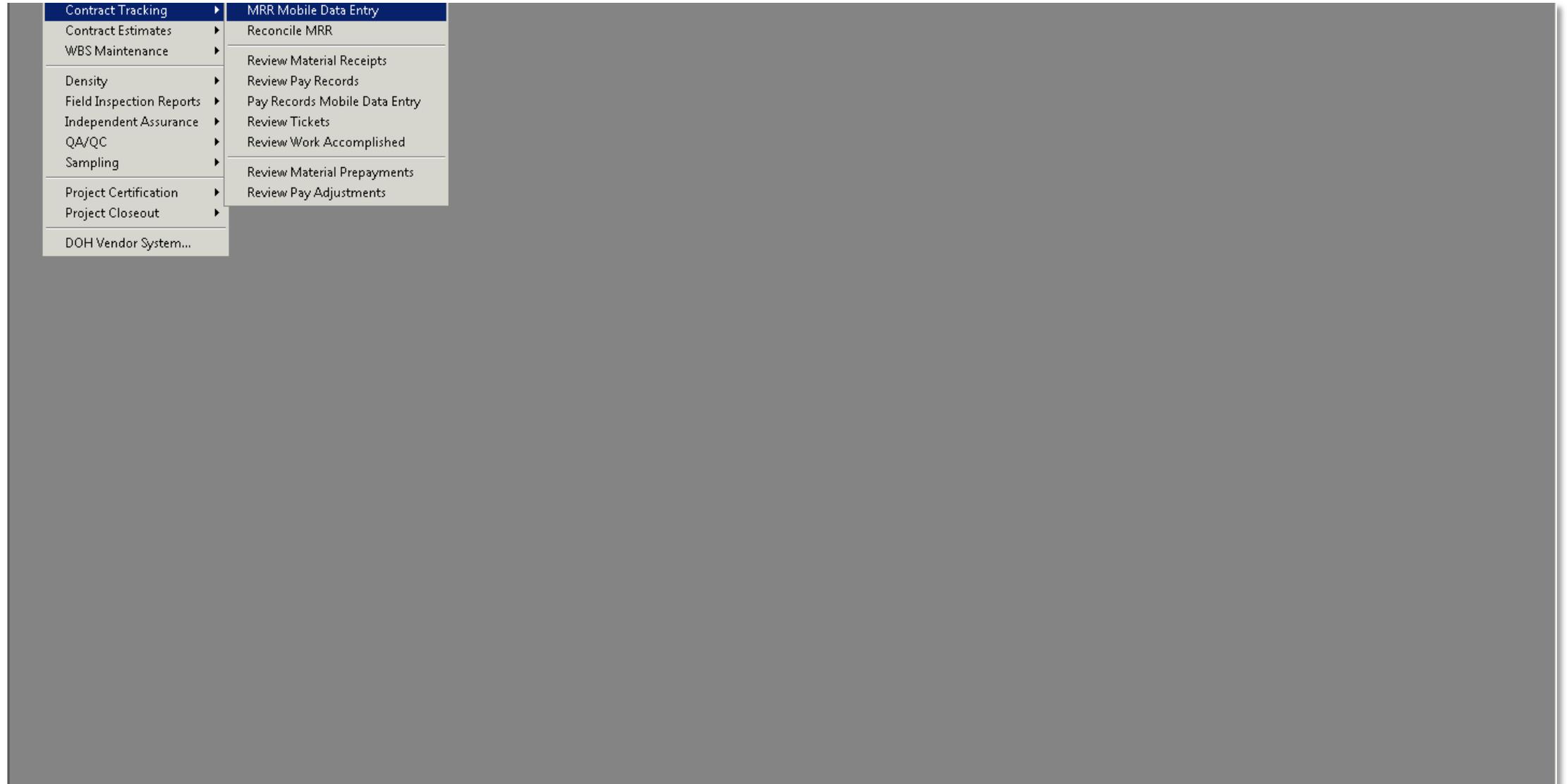
NCDOT Electronic Asset Tracking



The Acceptance Process



HiCams Entry Mobile App



Access the HiCAMS Mobile App

- Log into Citrix using the Apple Ipad tablet
- Log into HiCAMS
- Go to Contract Tracking in HiCAMS
- Next go to MRR Data Entry
- Information entered on the RFID tags is accessed by scanning the RFID with a reader app.

MRR Data Screen

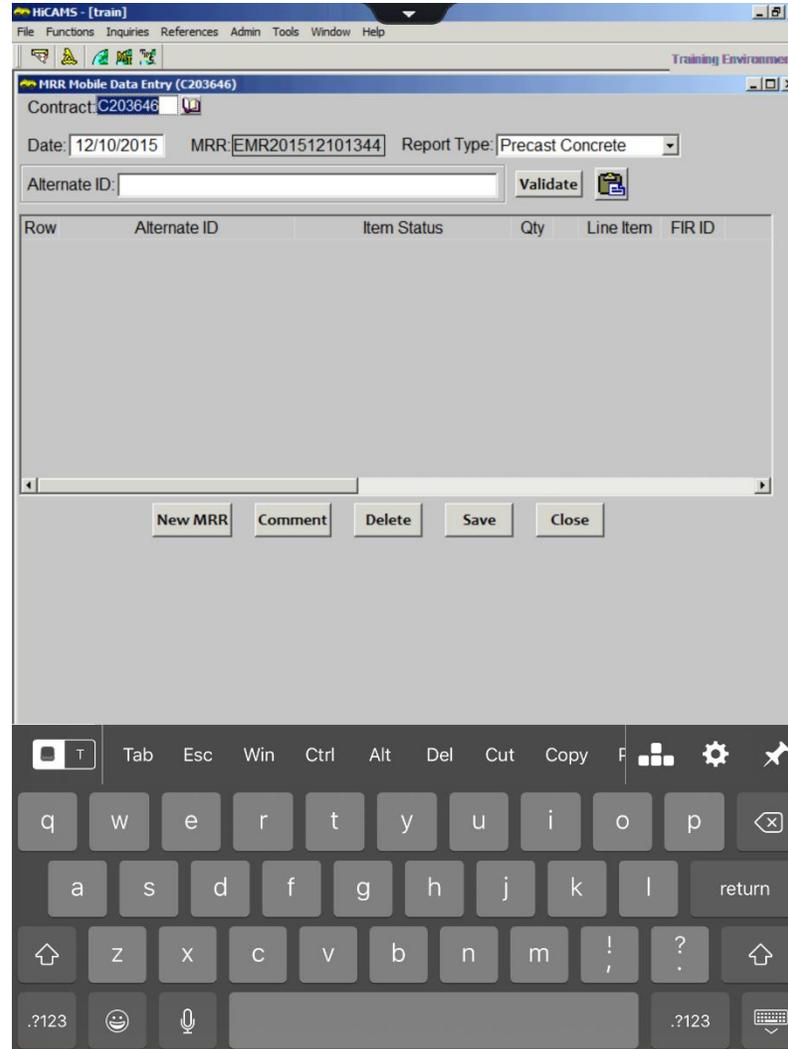
Contract: 

Date: 12/11/2015 MRR: Report Type:

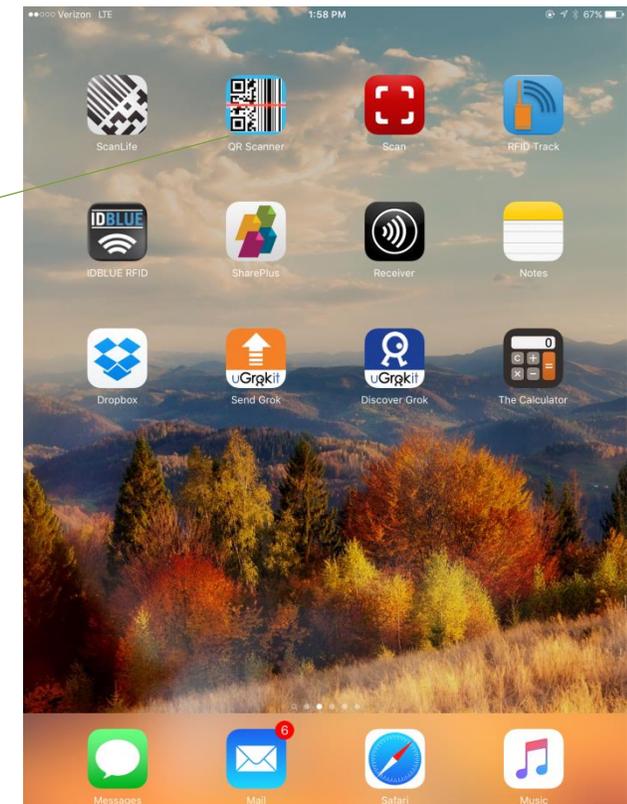
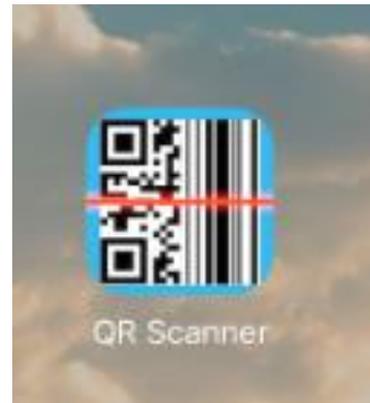
Alternate ID:

Row	Alternate ID	Item Status	Qty	Line Item	FIR ID
-----	--------------	-------------	-----	-----------	--------

Tablet View

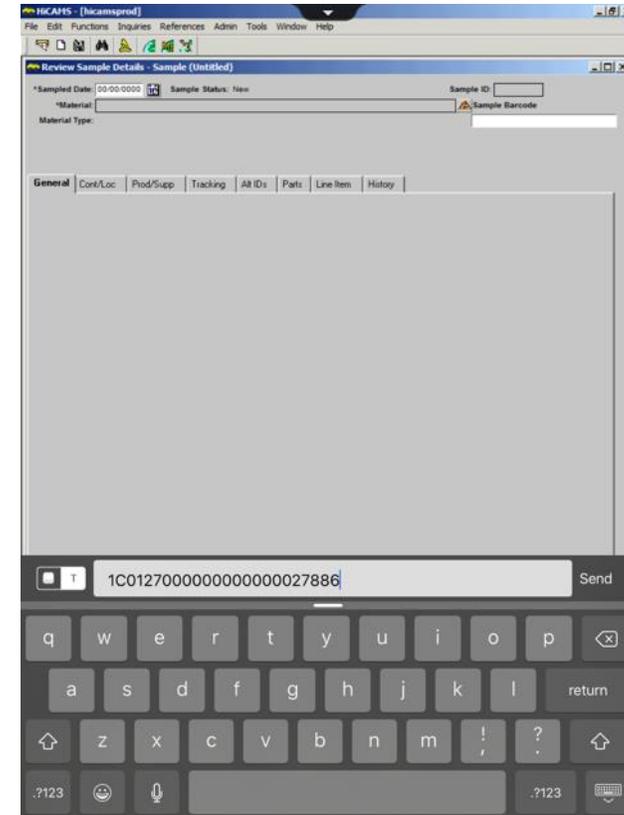
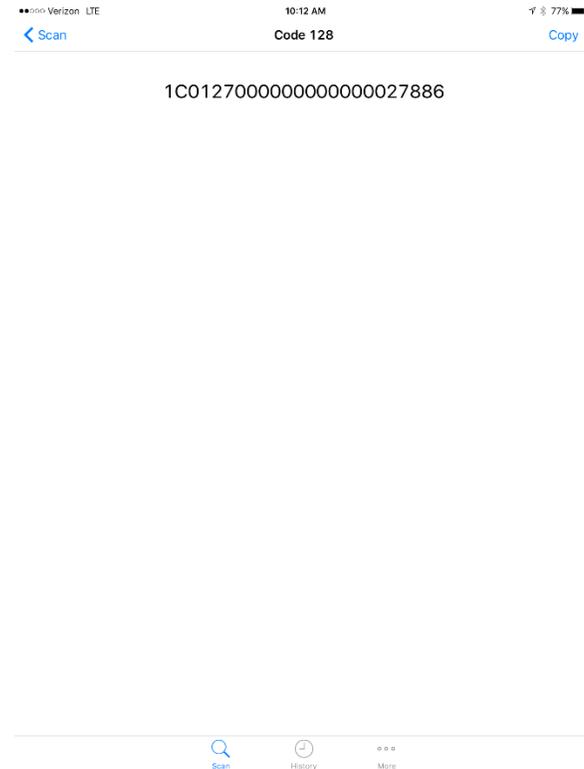


- A RFID or a barcode scanner will need to be downloaded and installed on the Ipad.
- The app will be used to read the number on the RFID tag.
- Once read by the scanner, the number is copied into the HiCAMS MRR application.

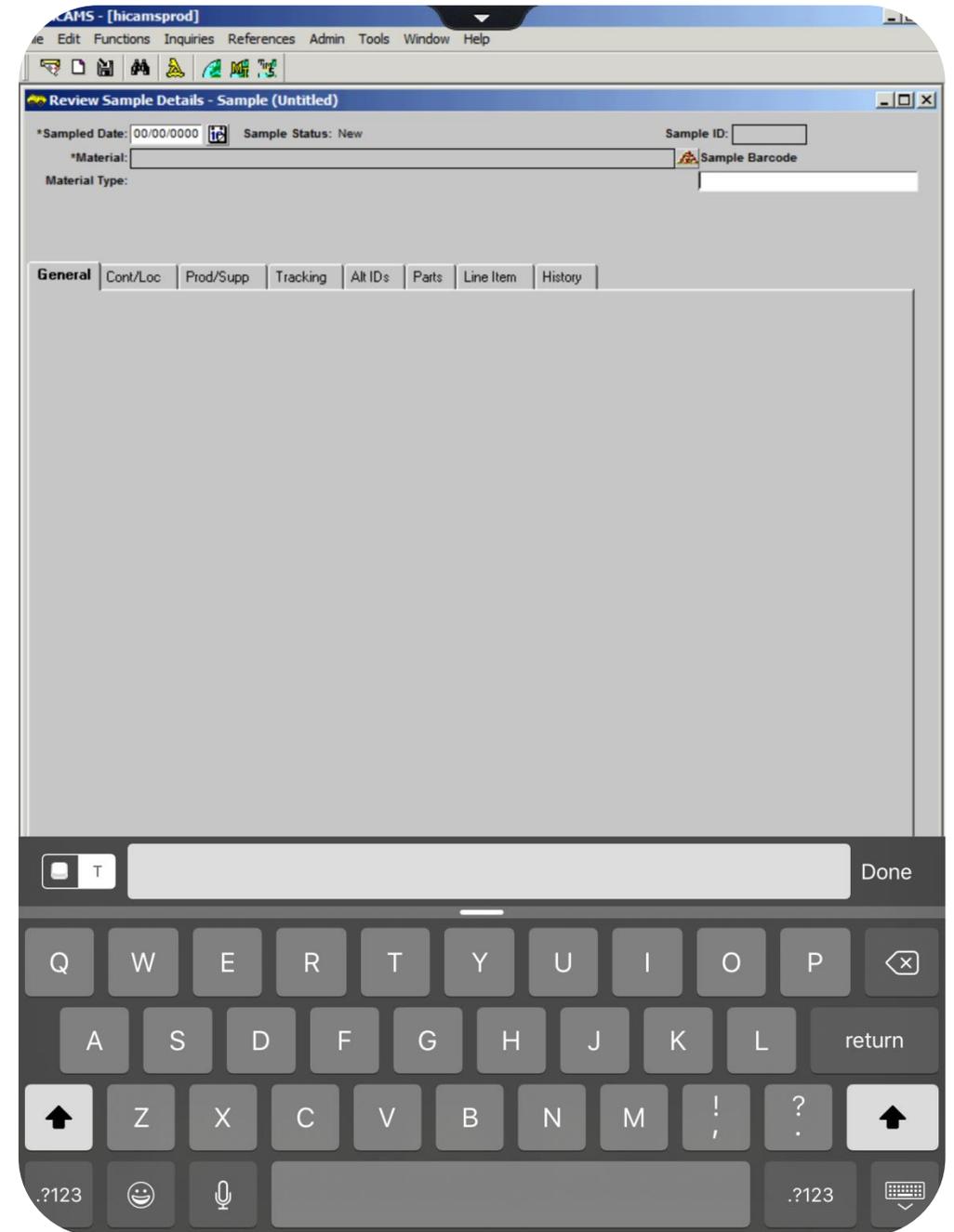


Scanning Process

- After opening HiCAMS and selecting MRR, open the selected Scan app
- Scan the RFID using the Ipad
- Once the tag is recognized by the Ipad, select Copy



To copy number into the MRR app, first click on the T to open the dialog box.



Hold finger on dialogue box until the Paste menu opens.



Click paste to get the scanned number in the dialogue box. Click Send to copy the number into the Alternate ID field.

CAMS - [hicansprod]

File Functions Inquiries References Admin Tools Window Help

MRR Mobile Data Entry (C203646)

Contract: C203646

Date: 12/10/2015 MRR: EMR201512101357 Report Type: Precast Concrete

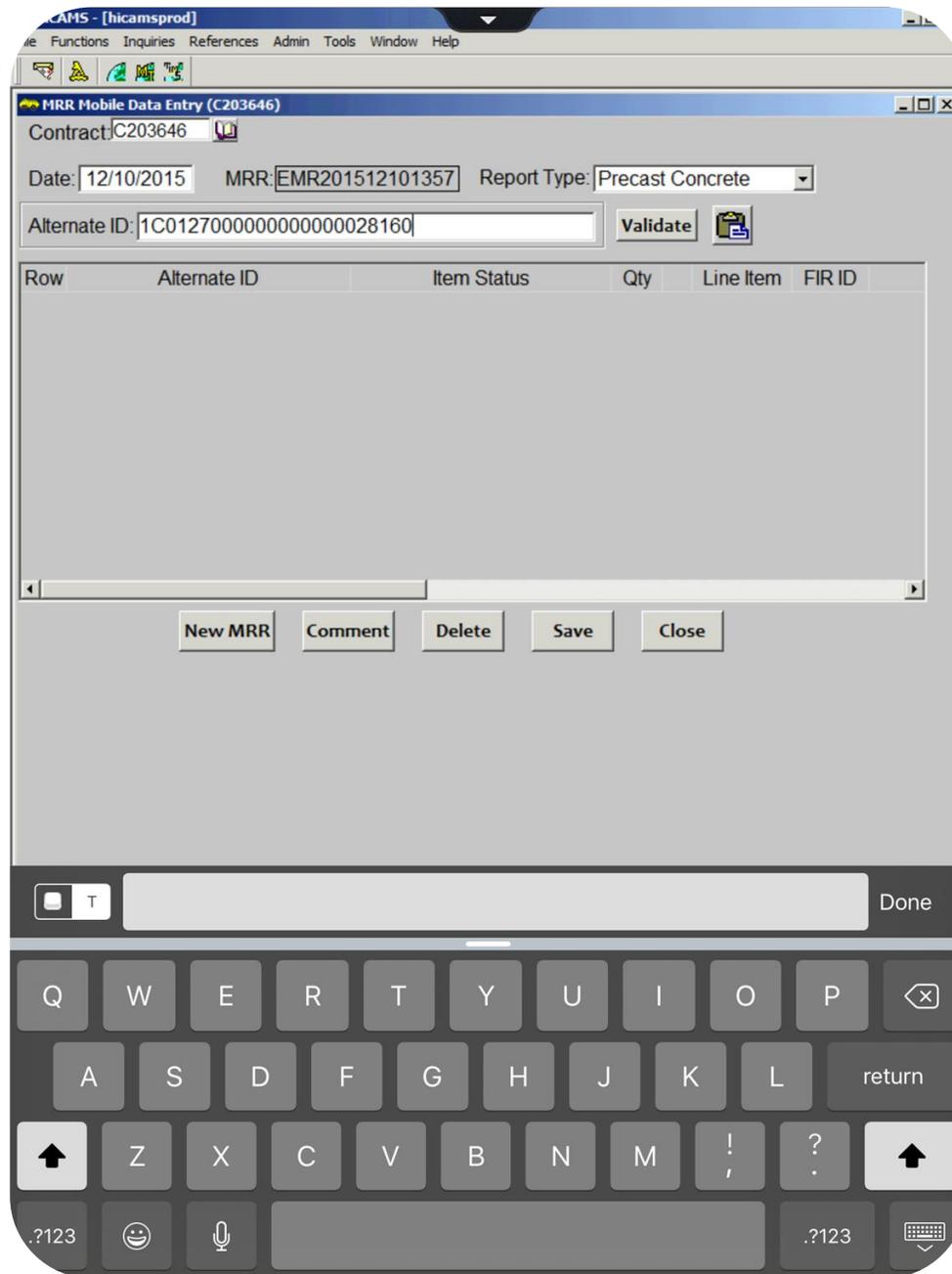
Alternate ID: Validate

Row	Alternate ID	Item Status	Qty	Line Item	FIR ID
-----	--------------	-------------	-----	-----------	--------

New MRR Comment Delete Save Close

1C01270000000000000028160 Send

q w e r t y u i o p
a s d f g h j k l return
z x c v b n m ! , ;
.?123



Field Inspection Report (FIR) example

Alternate IDs for Material:

Precast Concrete Noise Wall- Square Feet

Alternate Type	Alternate ID	Status	Quantity	Available
Piece	1C0127000000000000027906	Available	1.000	1.000
Piece	1C0127000000000000027923	Available	1.000	1.000
Piece	1C0127000000000000028060	Available	1.000	1.000
Piece	1C0127000000000000028077	Available	1.000	1.000
Piece	1C0127000000000000028091	Available	1.000	1.000
Piece	1C0127000000000000028092	Available	1.000	1.000
Piece	1C0127000000000000028099	Available	1.000	1.000
Piece	1C0127000000000000028174	Available	1.000	1.000
Piece	1C0127000000000000028193	Available	1.000	1.000
Piece	1C0127000000000000028217	Available	1.000	1.000

Define Range

Count:

Create Range

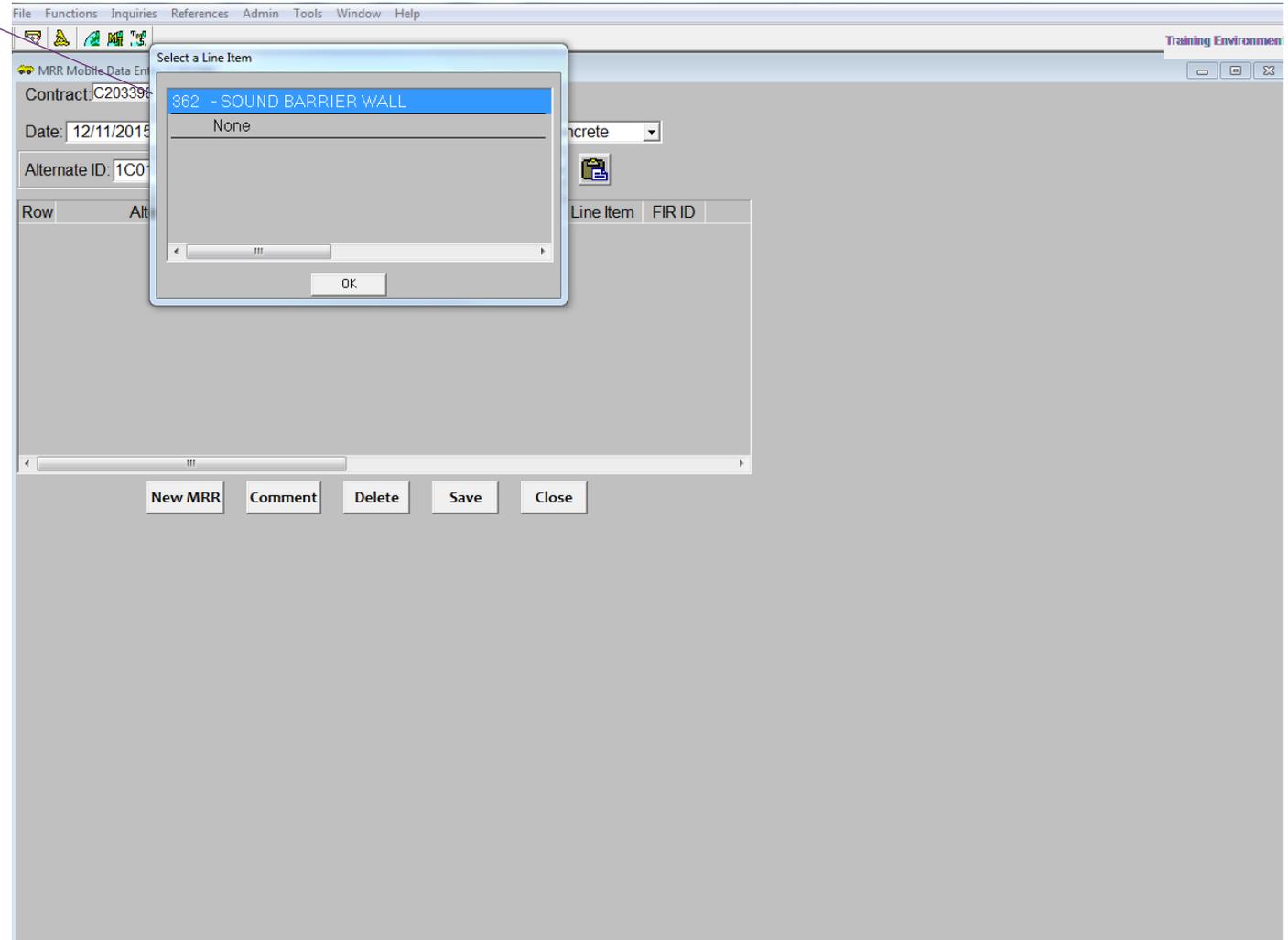
Clear Range

Show Summary

Validation for MRR

After the RFID number is entered, the MRR first checks to ensure the precast piece is on the CBOM.

If the precast piece is on the CBOM, and listed on a FIR, it will be added to the MRR



MRR

Alternate ID: 

Row	Alternate ID	Item Status	Qty		Line Item	FIR ID	
1	1C0127000000000000027906	Validated	1		362	62254	Preca

MRR

Date: 12/11/2015 MRR: [EMR201512111332] Report Type: Precast Concrete

Alternate ID:

Validate



Row	Alternate ID	Item Status	Qty		Line Item	FIR ID	
1	1C0127000000000000027906	Validated	1	✓	362	62254	Preca
2	1C0127000000000000027923	Validated	1	✓	362	62254	Preca
3	1C0127000000000000028060	Validated	1	✓	362	62254	Preca
4	1C0127000000000000028077	Validated	1	✓	362	62254	Preca
5	1C0127000000000000028091	Validated	1	✓	362	62254	Preca
6	1C0127000000000000028120	FIR Not Found	1	✗			

This item has to be dealt with.

New MRR

Comment

Delete

Save

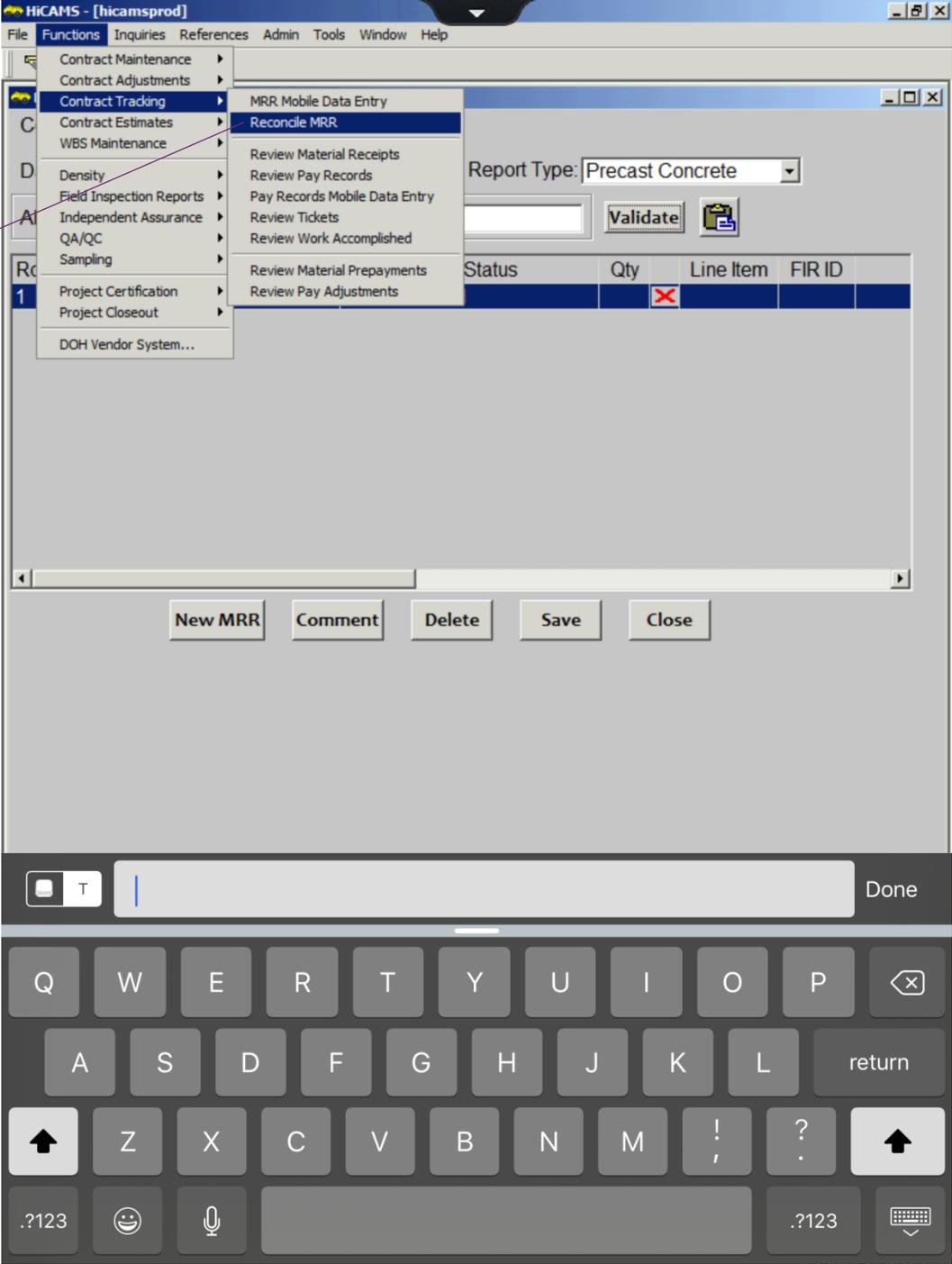
Close

MRR Reconciliation

- If a piece is marked as invalid on the MRR, it is sent to the Reconcile screen for further action.
- The reconcile screen is located just below the MRR screen on the Contract Tracking tab.
- The screen allows further investigation to ensure the piece does not actually belong on the project.
- In conjunction with the Reconcile screen, NCDOT Precast Lookup site is also used to verify the status of the precast item.
- The address for the Precast Lookup site is <https://apps.ncdot.gov/vendor/approvedproducts/PrecastLookup.aspx>
- After attempting to reconcile, and looking on the Precast Lookup site, the MRR is saved.
- The items on the Reconcile window remain their until resolved.



Pull up the Reconcile Screen



Reconcile MRR Screen

Row	Alternate ID	Item Status	Qty	Line Item	FIR ID	Material Type
1	1C012700000000000000028120	FIR Not Found	1			

Validate

Reconcile Screen

Row	Alternate ID	Item Status	Qty		Line Item	FIR ID	Material Type	
1	1C0127000000000000028120	FIR Not Found	1	✘				

MRR Mobile

 FIR not found for this Alternate ID.

OK

Validate

NCDOT Precast Lookup

The screenshot shows a web browser window with the URL <https://apps.ncdot.gov/vendor/approvedproducts/PrecastLookup.aspx>. The browser's address bar shows the page title "NCDOT Vendor Approved ...". The website header features the NCDOT logo and the text "NCDOT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION" with the tagline "Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina." Navigation links for "Home", "About", "Careers", "Contact", and "Search" are present in the top right. A yellow navigation bar contains links for "Business", "DMV", "Newsroom", "Programs", "Projects", and "Travel & Maps". On the left, a dark blue sidebar lists "Approved Resources" with sub-links: "Product Listing", "Seeds", "Producer/Supplier", "Technician Certification", "Minimum Sampling Guide", and "Precast Lookup". The main content area, under the "Business" breadcrumb, is titled "Precast Lookup" and contains a search form with the label "Precast Concrete ID/Barcode:", an input field, and "Search" and "Reset" buttons.

NCDOT Precast Lookup Page

https://apps.ncdot.gov/vendor/approvedproducts/PrecastLookup.aspx

NCDOT Vendor Approved ...

File Edit View Favorites Tools Help

NCDOT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.

Home | About | Careers | Contact | Search

Business DMV Newsroom Programs Projects Travel & Maps

Approved Resources

- Product Listing
- Seeds
- Producer/Supplier
- Technician Certification
- Minimum Sampling Guide
- Precast Lookup

Business »

Precast Lookup

Precast Concrete ID/Barcode:

No records matched your search criteria.

© Copyright NCDOT | NCDOT Home | NC.gov | Accessibility | Privacy Statement

NCDOT Precast Lookup Page-Tag Found

**NCDOT** NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.

[Home](#) | [About](#) | [Careers](#) | [Contact](#)

[Business](#) | [DMV](#) | [Newsroom](#) | [Programs](#) | [Projects](#) | [Travel & Maps](#)

[Approved Resources](#)
[Product Listing](#)
[FIRs](#)
[Producer/Supplier](#)
[Technician Certification](#)
[Minimum Sampling Guide](#)
[Precast Lookup](#)

Business »

Precast Lookup

Precast Concrete ID/Barcode:

Report Type	FIR Report ID	FIR Status	Alt ID Type	Alt ID Status	Qty Available	Producer/Facility/Plant ID	Material Inspector	Inspection Date	Contract Nbr
Precast Concrete	48320	Authorized	Piece	Available	1.000	Concrete Pipe and Precast, LLC - Concrete Pipe and Products - Dunn - PC12	Bobby W. Watkins	9/26/2013 12:00:00 AM	



FIR Showing Pieces Received

General Results **Alt IDs** Report History

Alternate IDs for Material:

Precast Concrete Noise Wall- Square Feet

Alternate Type	Alternate ID	Status	Quantity	Available
Piece	1C01270000000000000027906	In Use	1.000	.000
Piece	1C01270000000000000027923	In Use	1.000	.000
Piece	1C01270000000000000028060	In Use	1.000	.000
Piece	1C01270000000000000028077	In Use	1.000	.000
Piece	1C01270000000000000028091	In Use	1.000	.000
Piece	1C01270000000000000028092	Available	1.000	1.000
Piece	1C01270000000000000028099	Available	1.000	1.000
Piece	1C01270000000000000028174	Available	1.000	1.000
Piece	1C01270000000000000028193	Available	1.000	1.000
Piece	1C01270000000000000028217	Available	1.000	1.000

Define Range

Count:

Show Summary

QUESTIONS

