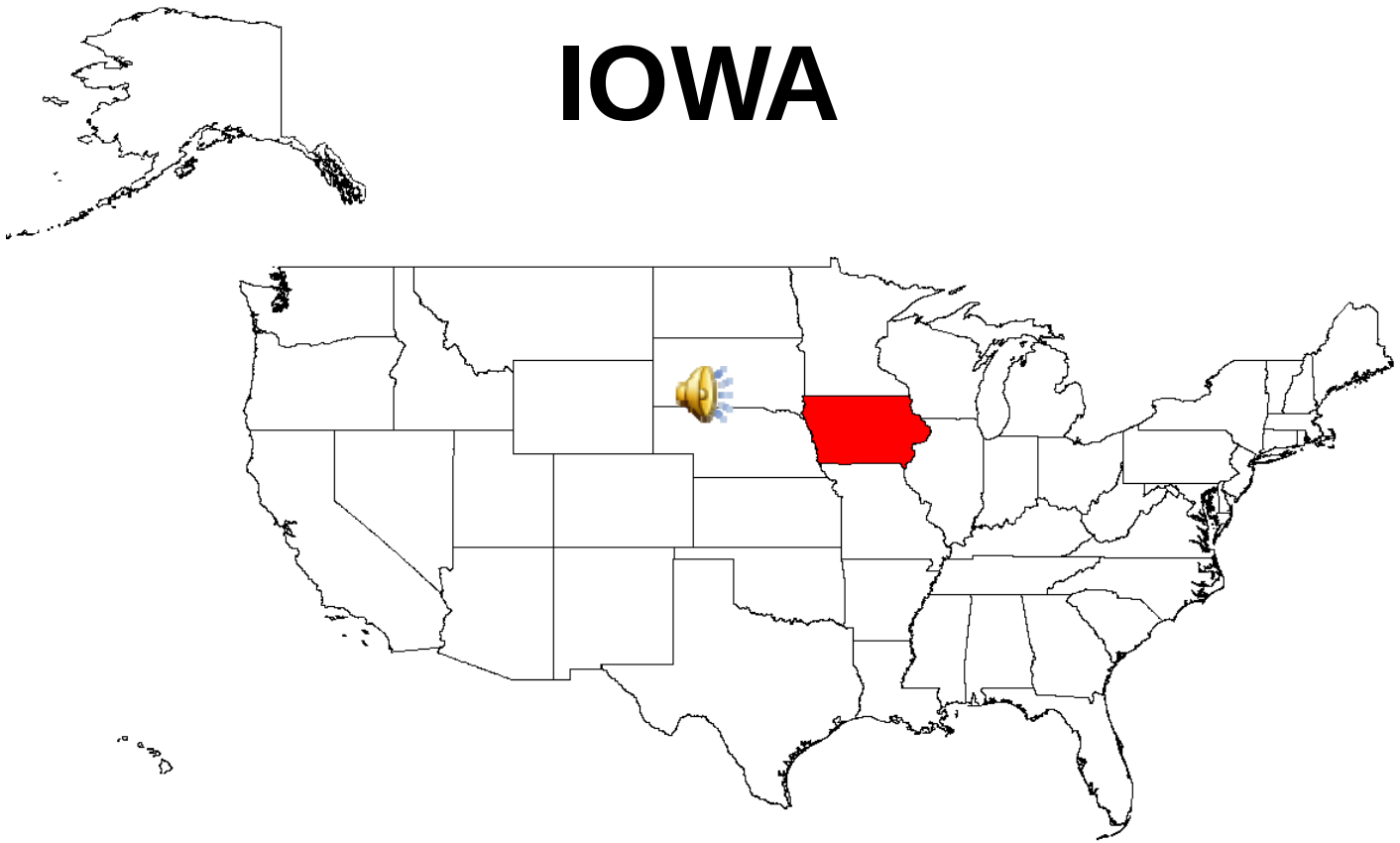
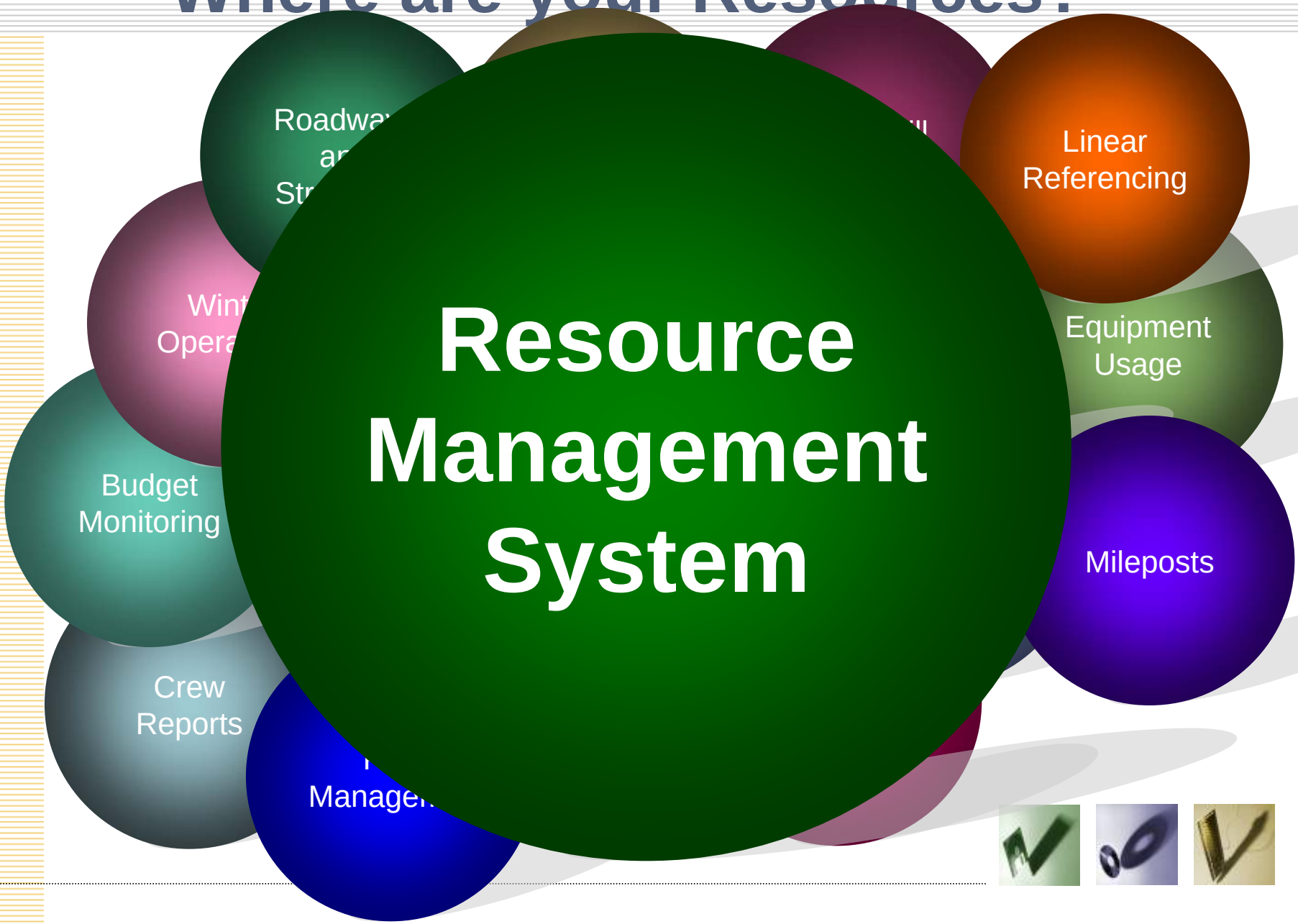
Iowa Department of Transportation Resource Management System

IOWA



Where are your Resources?



Iowa Department of Transportation

Resource Management System

Emergency Management

Bridge Maintenance

Materials

Road Maintenance

Engineering Design

Construction

Paint

Winter Operations

Presented by
Linda Surber, Office of Maintenance
Julie Steenhoek, Highway Division Technical Support

Project Milestones

- *1999 – Preliminary Planning begun*
- *2003 – Project Development starts*
- *2004 – Student Programmers hired*
- *2005 – Summer Pilot*
- *2005 – Fall Production*
- *2006 – Winter Program Implemented*
- *2008 – Emergency Management Implemented*

Project Objectives

Asset Mgmt

Optimize assets to support a high quality transportation system

Planning

fectively plan for e future with a work estimation program and a cost estimation program

Evaluation

Evaluate processes to continually improve operations by monitoring performance and new technologies

Asset Management

Objective	Assets	Viewing
Optimize assets to support a high quality transportation system	Personnel Equipment Materials Features Inventory Stockpile	On Screen Report Spreadsheet PDF GIS Map

Planning

Objective	Plans	Means
Effectively plan for the future with a work estimation program and a cost estimation program	Work Programs Performance Plans Budget Estimates Purchasing	Interactive Historic Data Comparison of Estimate to Actual Create Reports

Evaluation

Objective	Evaluate	Evaluators
Evaluate processes to continually improve operations by monitoring performance and new technologies	Performance Budget Efficiencies Purchases Value of stock Cost of functions	Supervisors Field Management Upper Management Legislature Governor

Overall Project Needs

- One stop shopping
- Real time information
- User-friendly interface
- Asset management

Reporting Needs

Labor, Equipment & Materials

County

Route

Milepost

Date Range

Reporting Needs

Emergency Costs

FEMA

FHWA

Cities and Counties

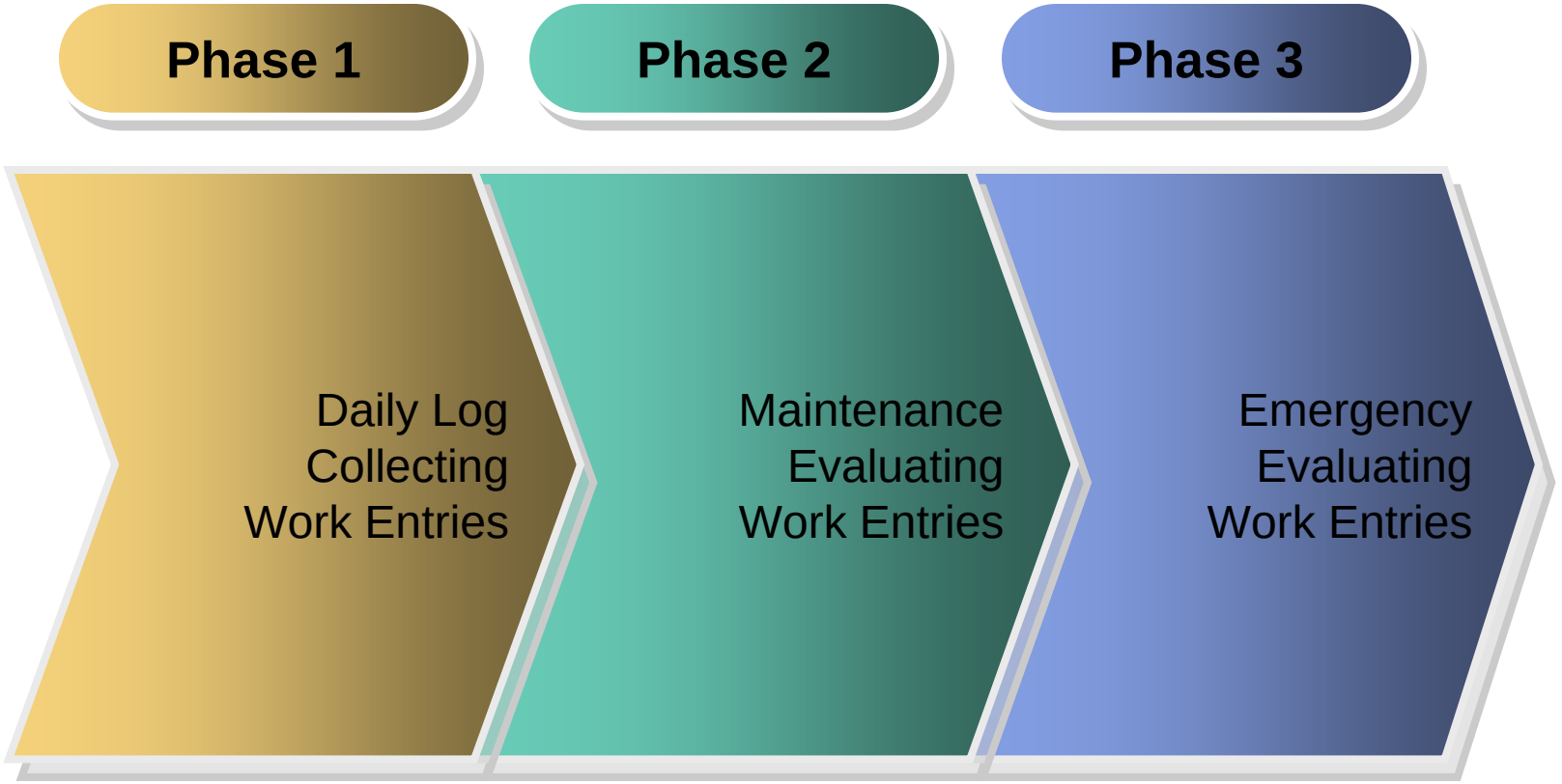
Parks and Inst

Reporting Needs

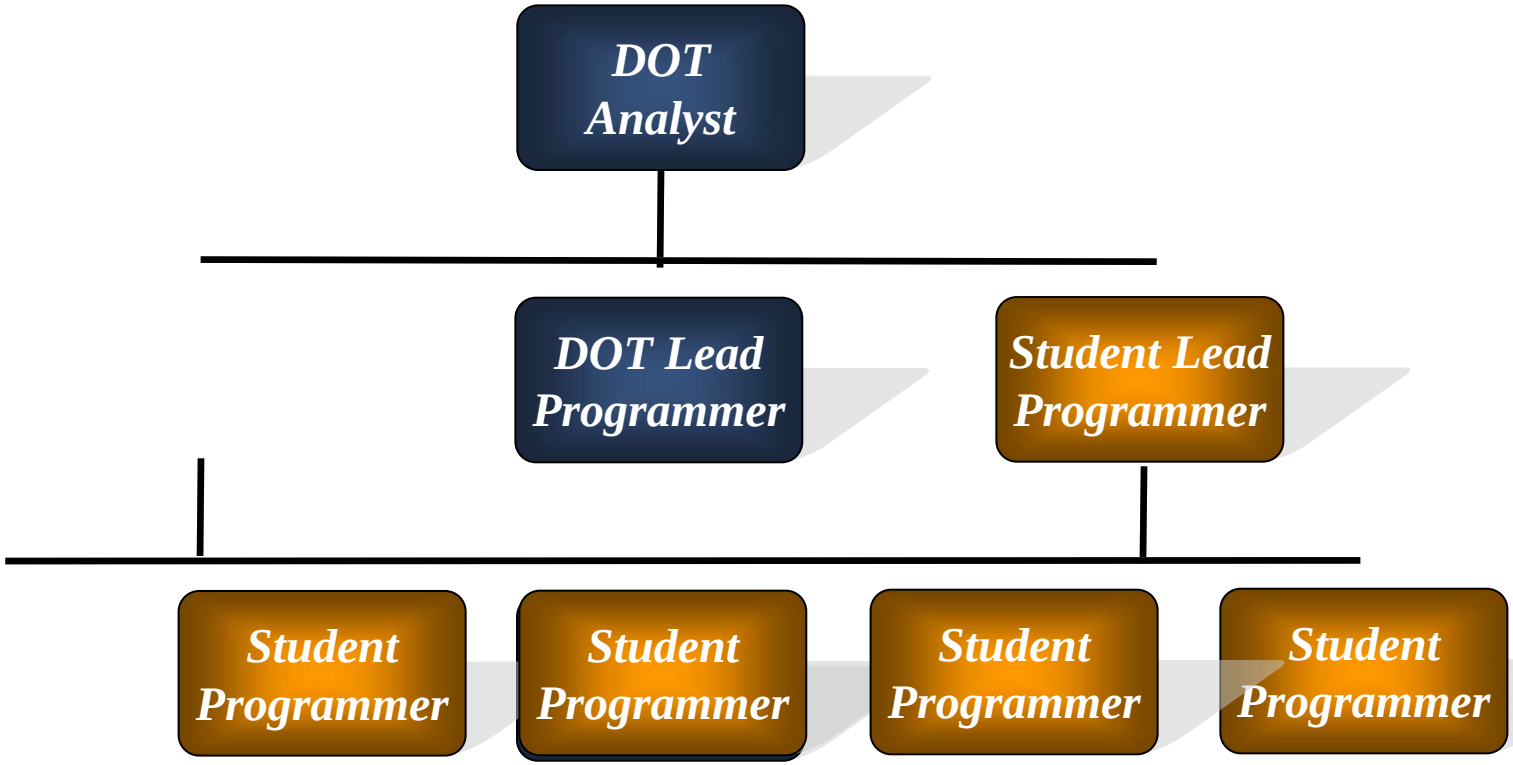
Winter Operations

- Materials Usage
- Salt Supply
- Weather Conditions
- Service Level

RMS Phase Plan



Who Would Do The Work?



Meeting Project Needs

One stop shopping

- *One user interface*
- *Communicate with other systems*
- *Communicate across platforms*
- *Interface with multiple data structures*

Meeting Overall Project Needs

Real time information

- ***Programs written by other support teams to***
  - *Interact with mainframe in real time through TCP/IP*
  - *Interact with client/server Database objects in real time*

    Oracle DB Links, Views and PL/SQL Stored Packages

    SQL Server Views and Stored Procedures
- ***Programs written by Resource Management team to***
  - *Provide end user with multiple sources of information*
  - *Meaningfully integrate information*
  - *Retain relevant data within Oracle Database*

Meeting Overall Project Needs

User-friendly interface

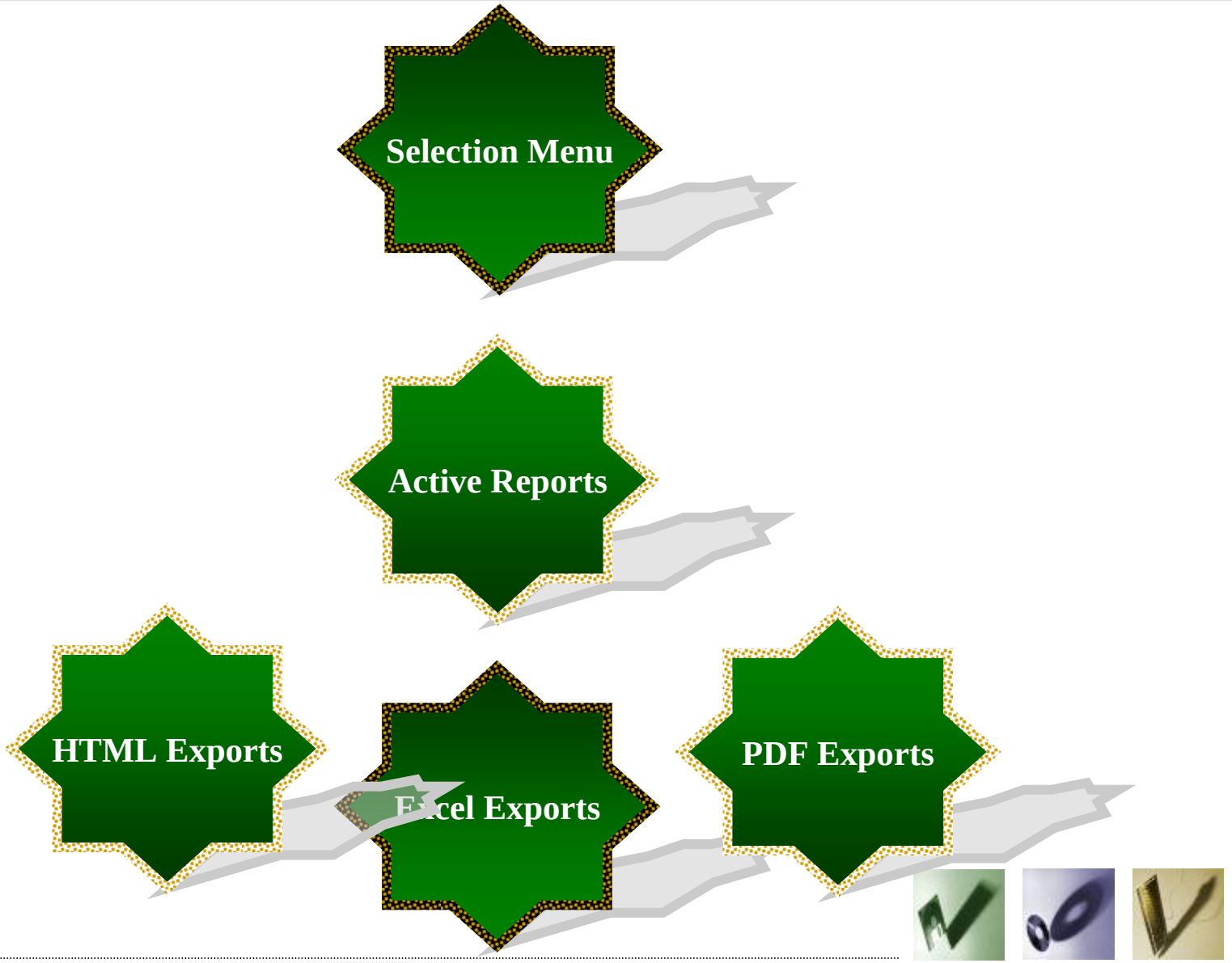
- *Visual Basic .Net*
- *Common windows controls*
- *Industry standards for functionality*
- *Oracle PL/SQL Stored Packages*
  - *Execute business logic where data lives*
  - *Platform independent*
  - *Less exposure*

Meeting Overall Project Needs

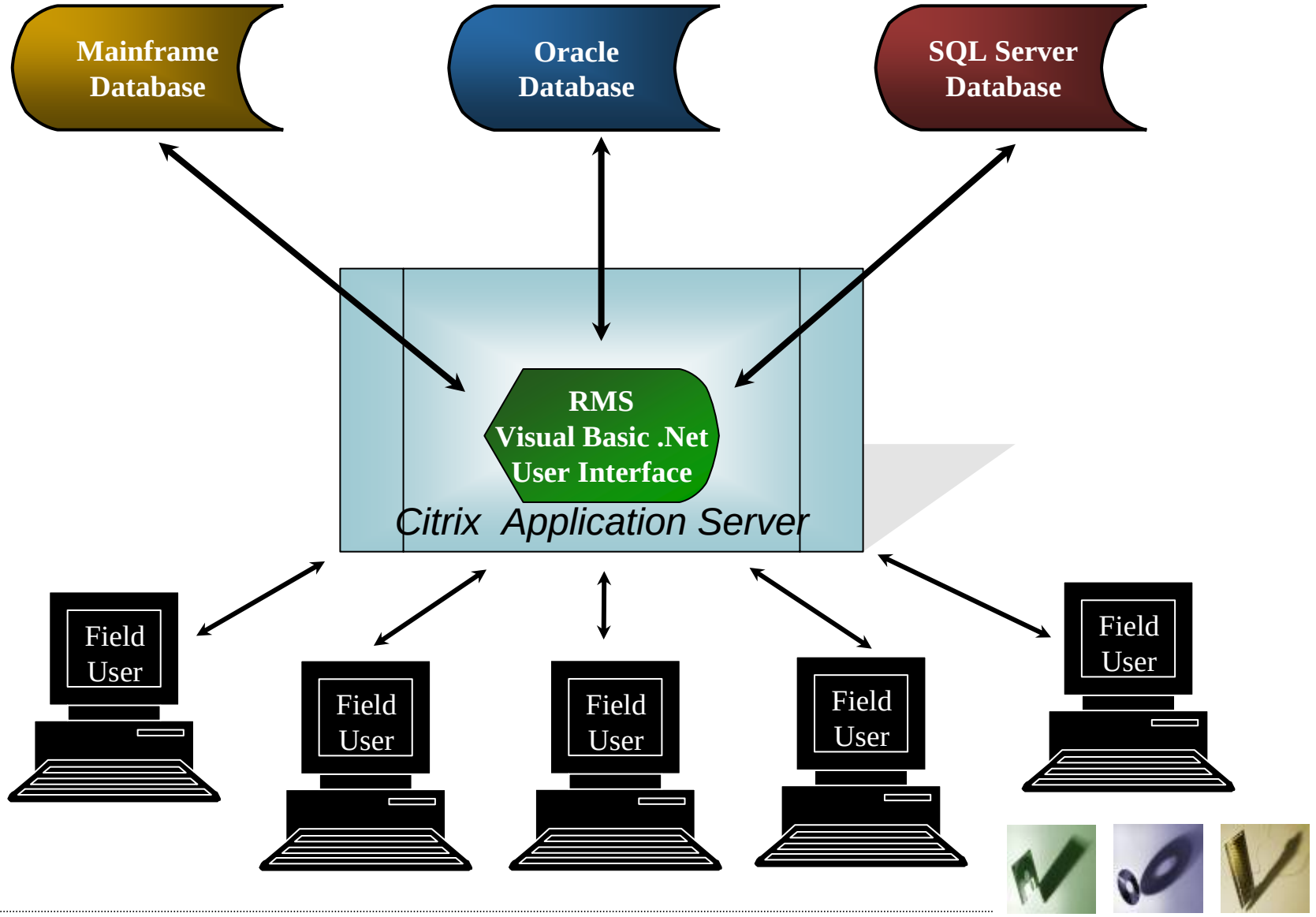
Asset Management

- *Historical data for asset management retained*
- *Flexible reporting through the use of selection menus*
- *On-screen worksheets*

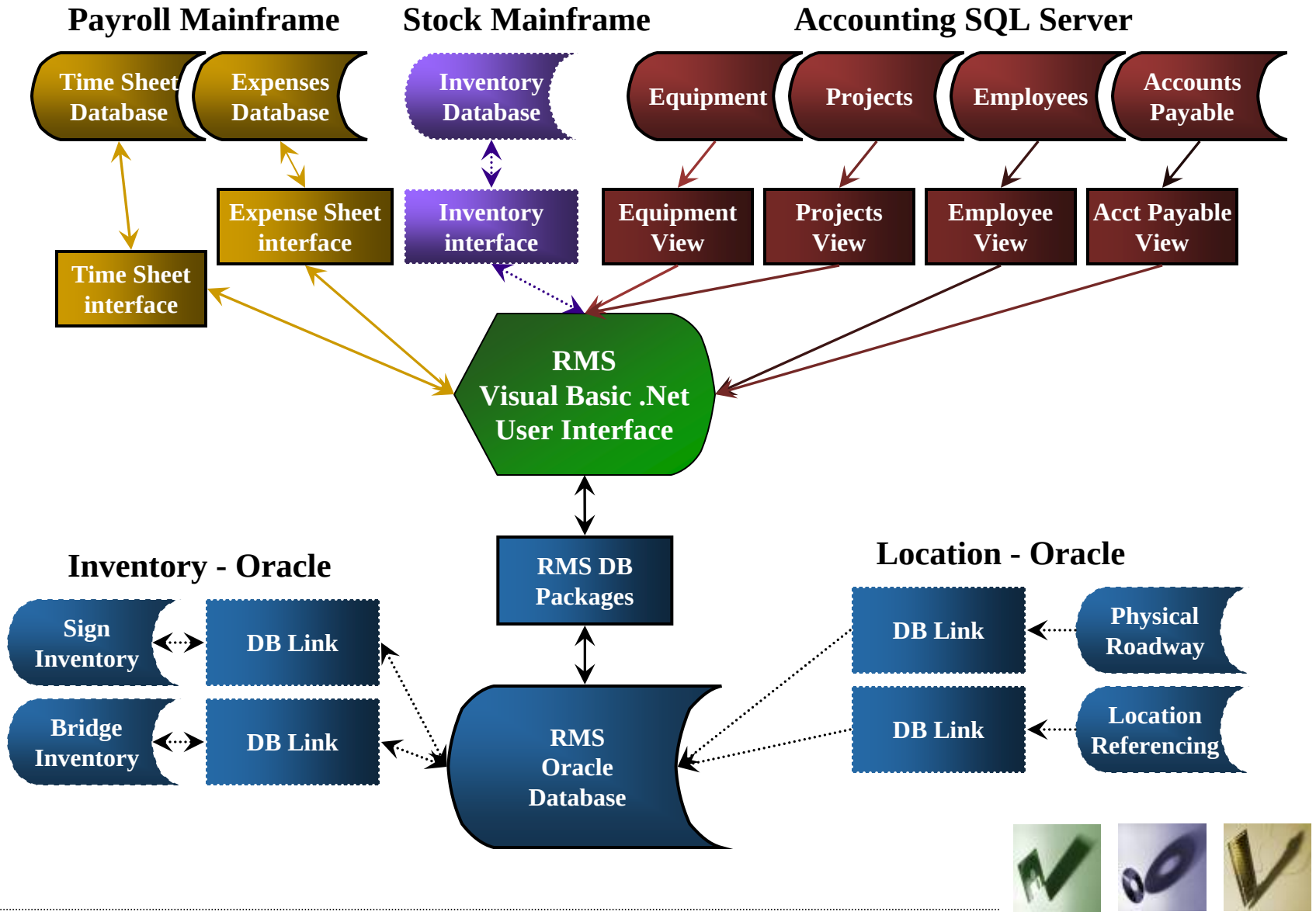
Reporting Needs



System Security Summary



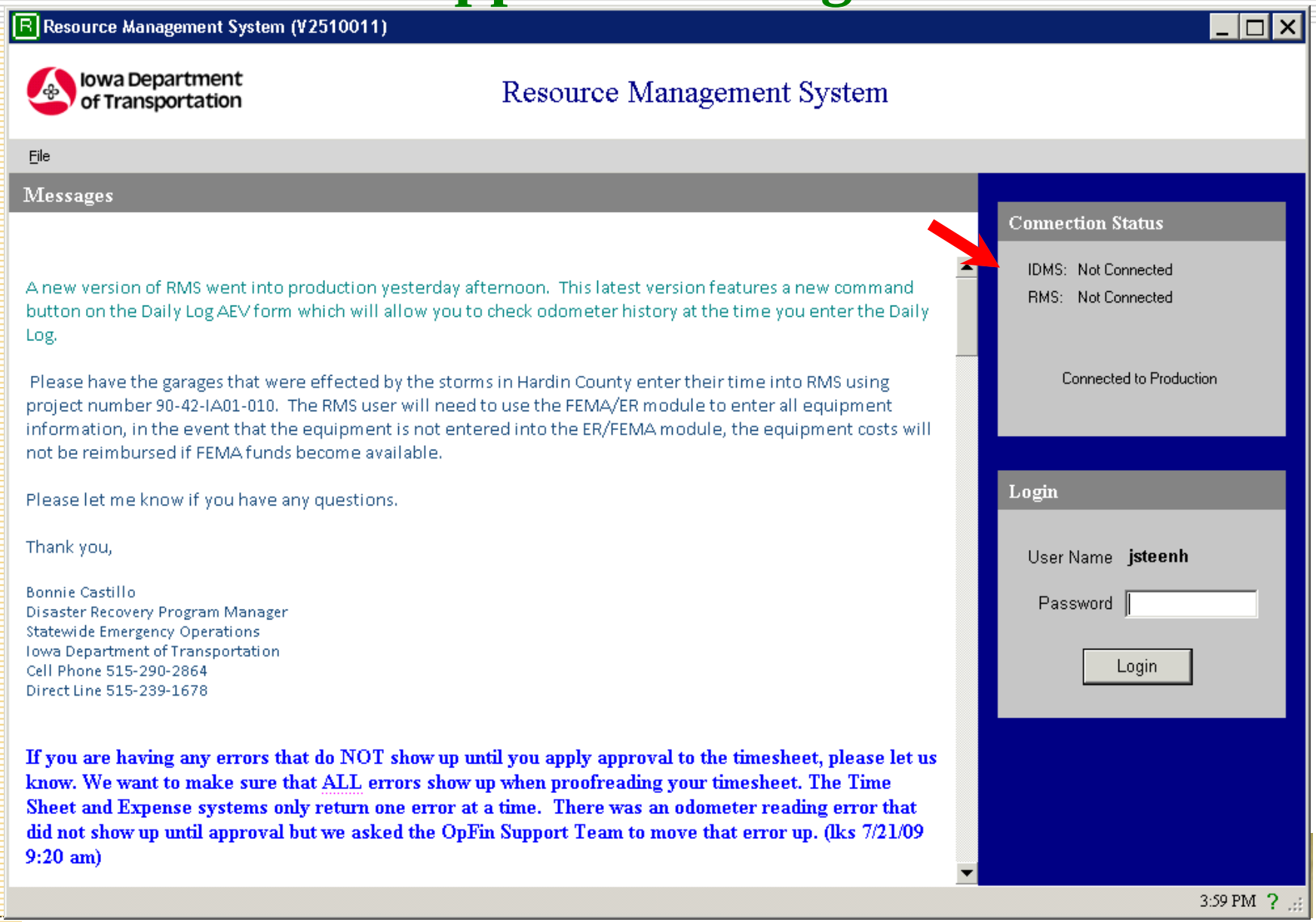
Resource Management System Overview



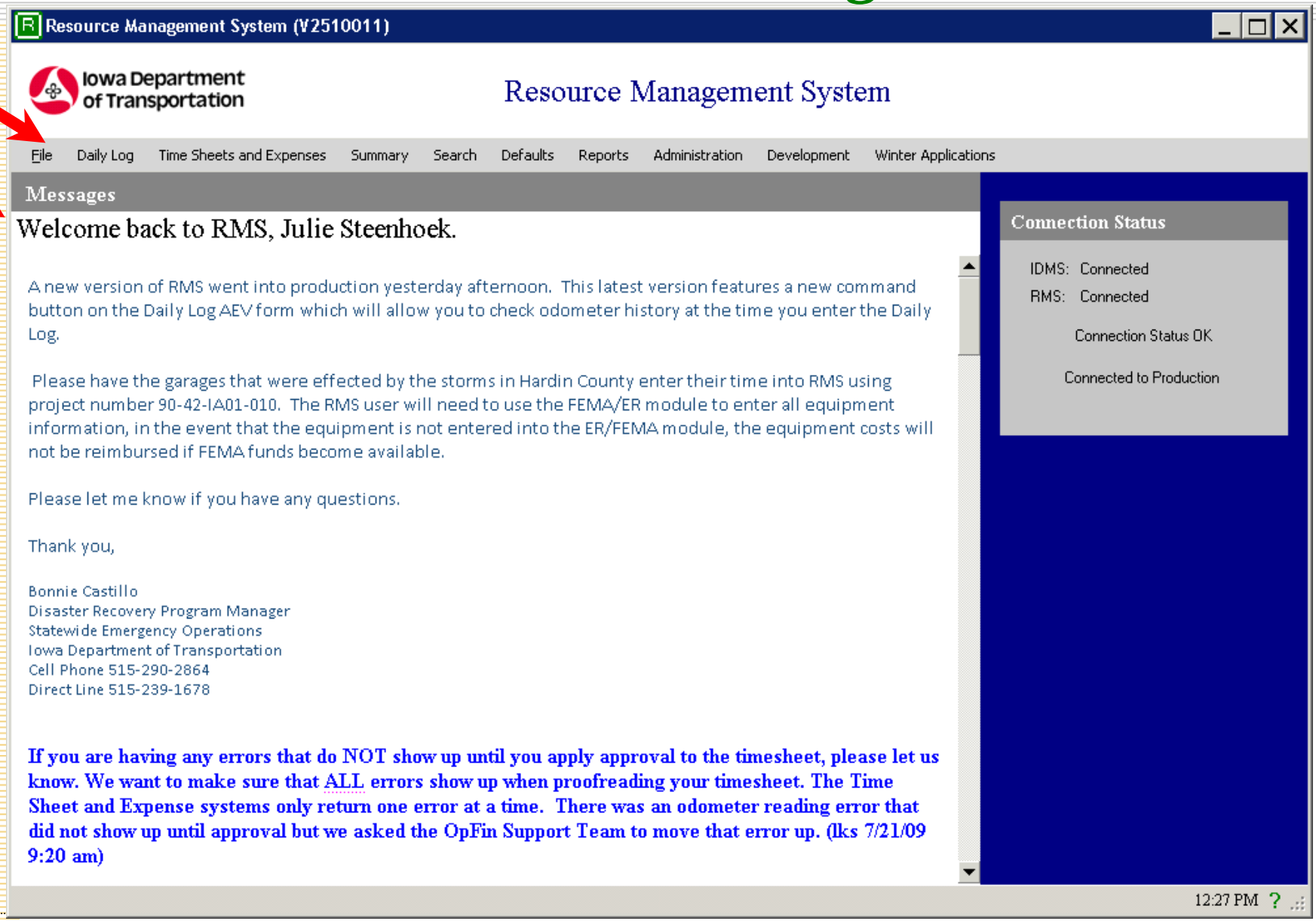
The Resource Management System

- Main Menu and Welcome Screen
- Collecting Work Entries
- Sharing Data With Another System
- Reporting Features
- Emergency Management

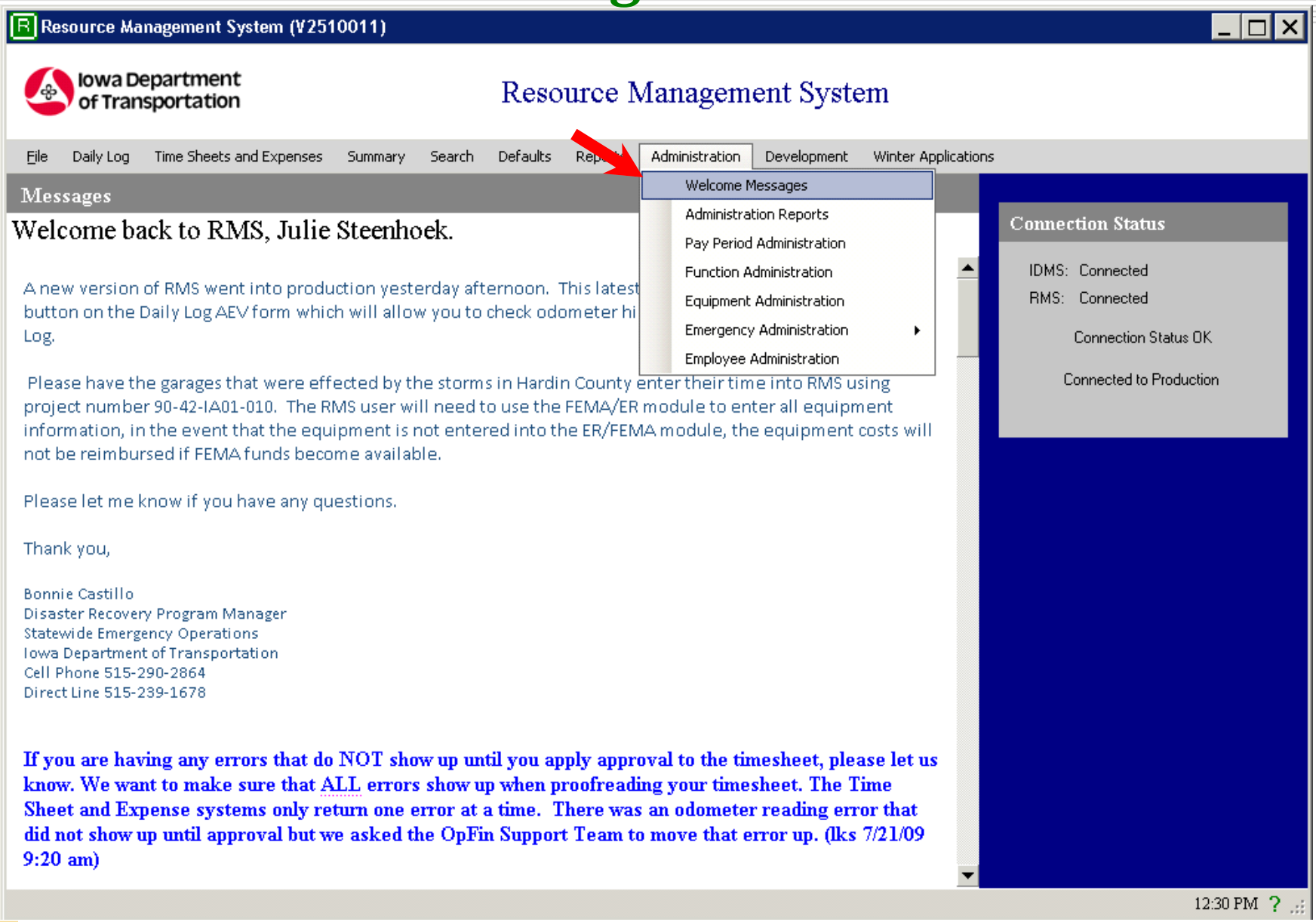
Application Log In



Welcome Messages



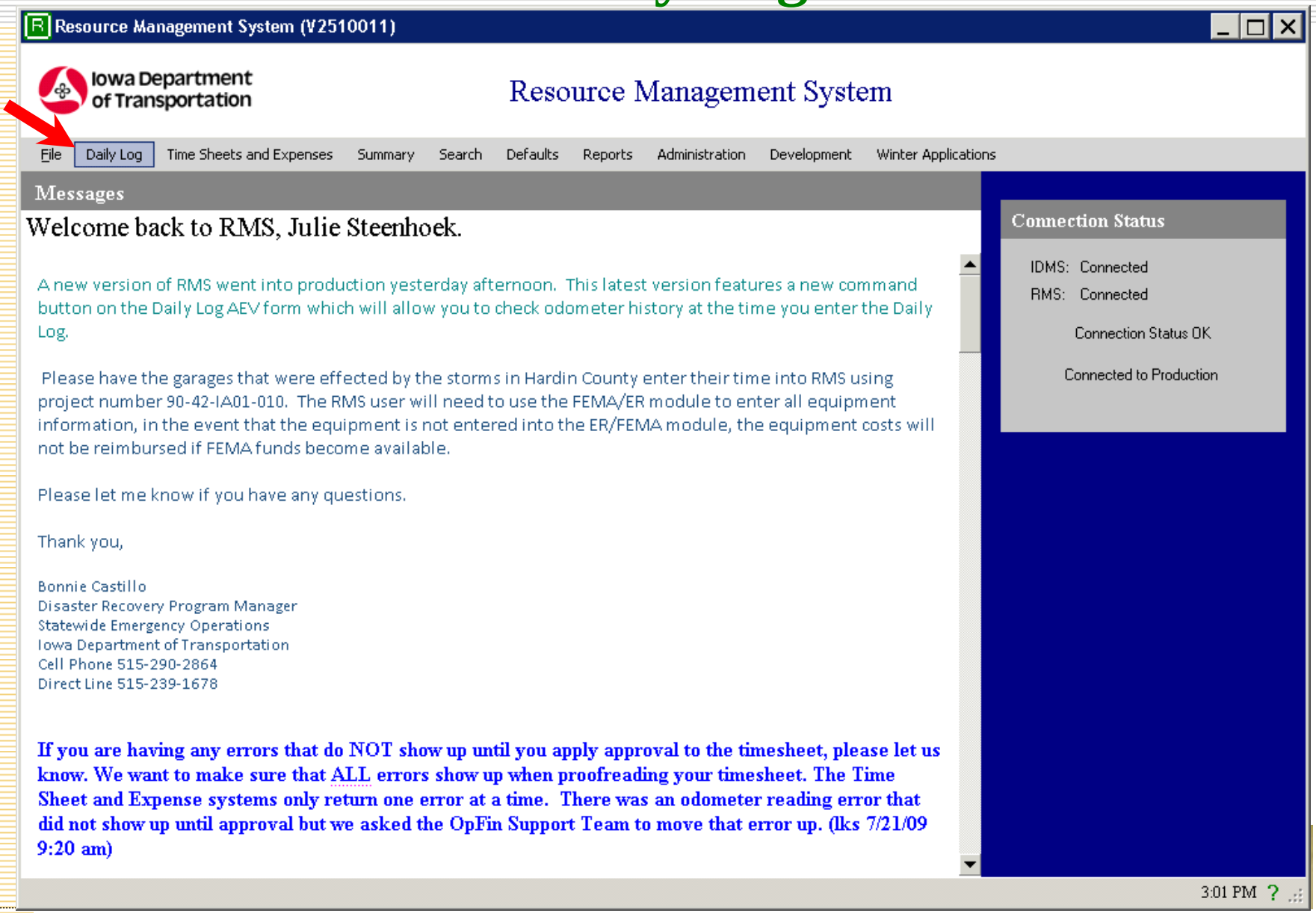
Welcome Messages - Administrative



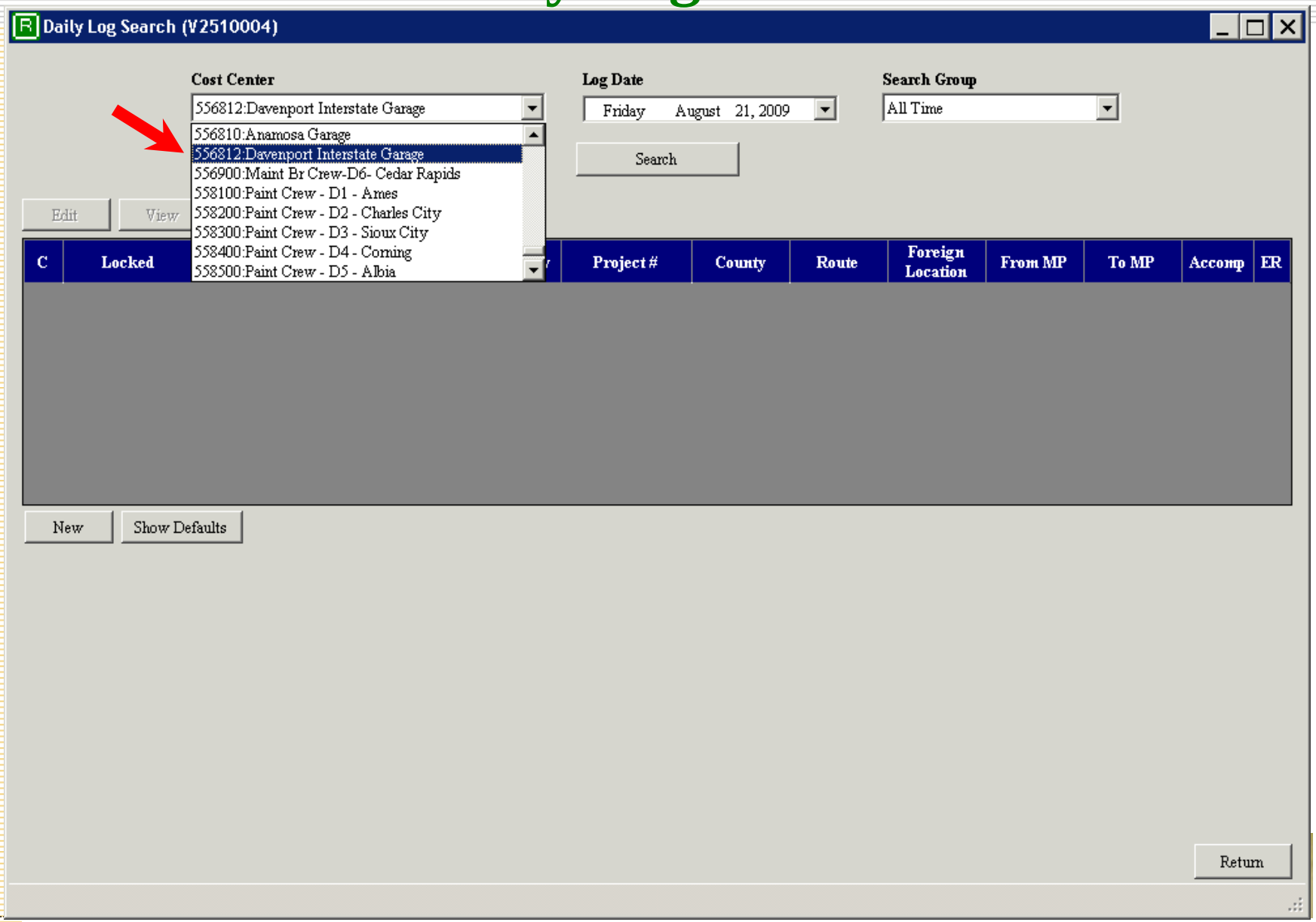
Collecting Work Entries

- All work related data is collected at one time
- Access indicators enforce rules for those who can see one or many cost centers
- Access indicators enforce rules for those who can see one or many employees

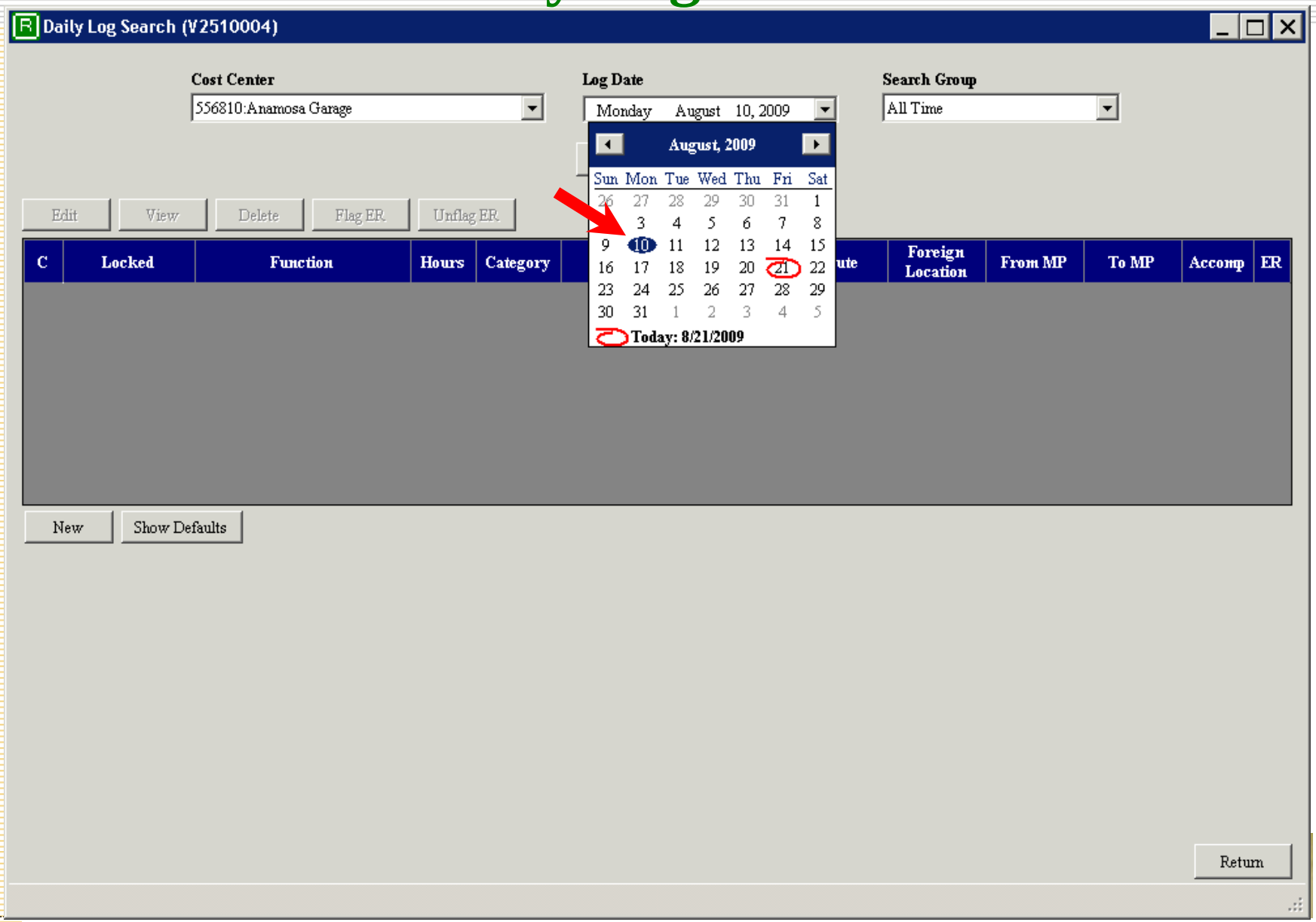
Daily Log


Resource Management System (V2510011)
Iowa Department of Transportation
Resource Management System
File
Daily Log
Time Sheets and Expenses
Summary
Search
Defaults
Reports
Administration
Development
Winter Applications
Messages
Welcome back to RMS, Julie Steenhoek.
A new version of RMS went into production yesterday afternoon. This latest version features a new command button on the Daily Log AEV form which will allow you to check odometer history at the time you enter the Daily Log.
Please have the garages that were effected by the storms in Hardin County enter their time into RMS using project number 90-42-IA01-010. The RMS user will need to use the FEMA/ER module to enter all equipment information, in the event that the equipment is not entered into the ER/FEMA module, the equipment costs will not be reimbursed if FEMA funds become available.
Please let me know if you have any questions.
Thank you,
Bonnie Castillo
Disaster Recovery Program Manager
Statewide Emergency Operations
Iowa Department of Transportation
Cell Phone 515-290-2864
Direct Line 515-239-1678
If you are having any errors that do NOT show up until you apply approval to the timesheet, please let us know. We want to make sure that ALL errors show up when proofreading your timesheet. The Time Sheet and Expense systems only return one error at a time. There was an odometer reading error that did not show up until approval but we asked the OpFin Support Team to move that error up. (lks 7/21/09 9:20 am)
Connection Status
IDMS: Connected
RMS: Connected
Connection Status OK
Connected to Production
3:01 PM

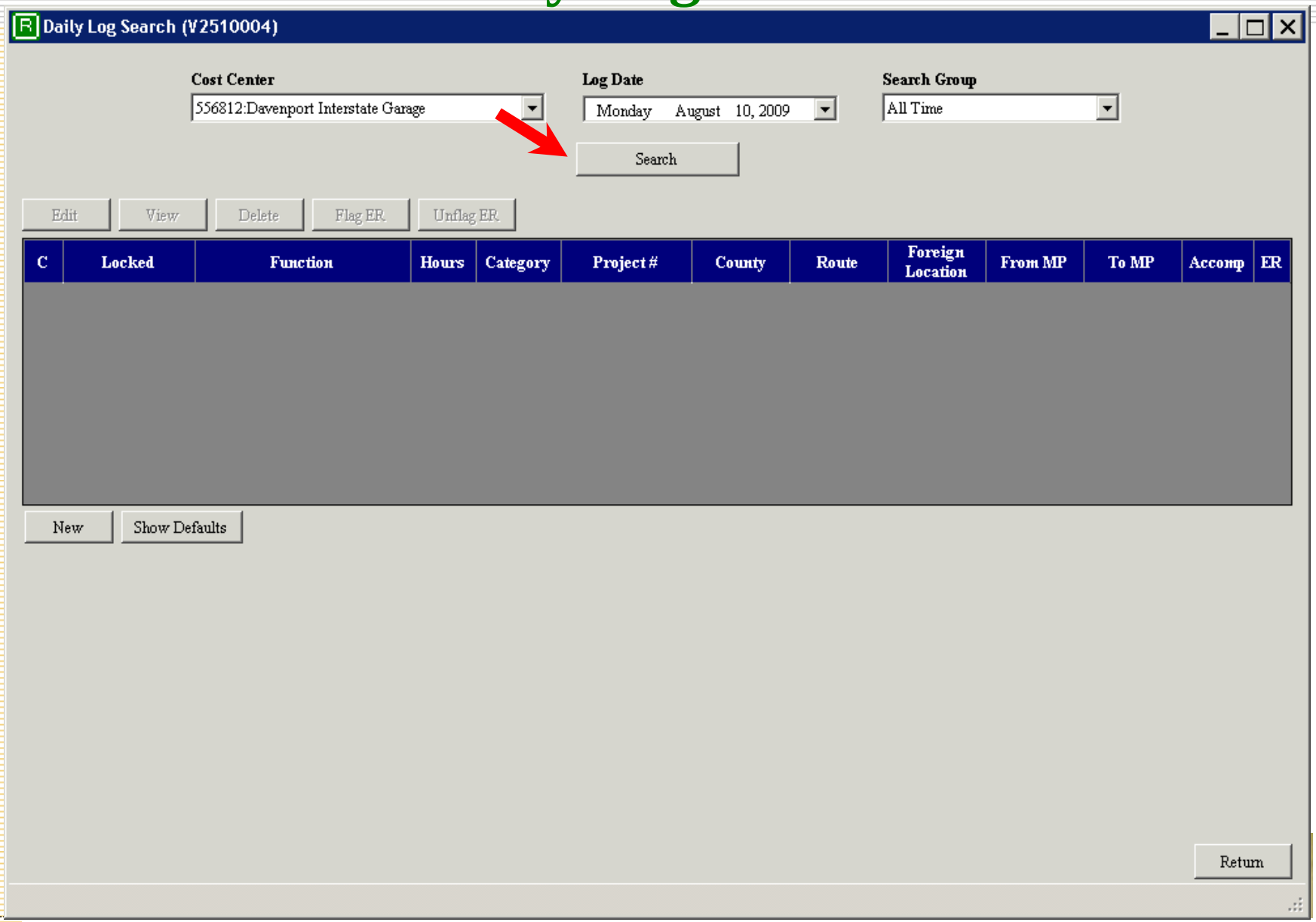
Daily Log Search



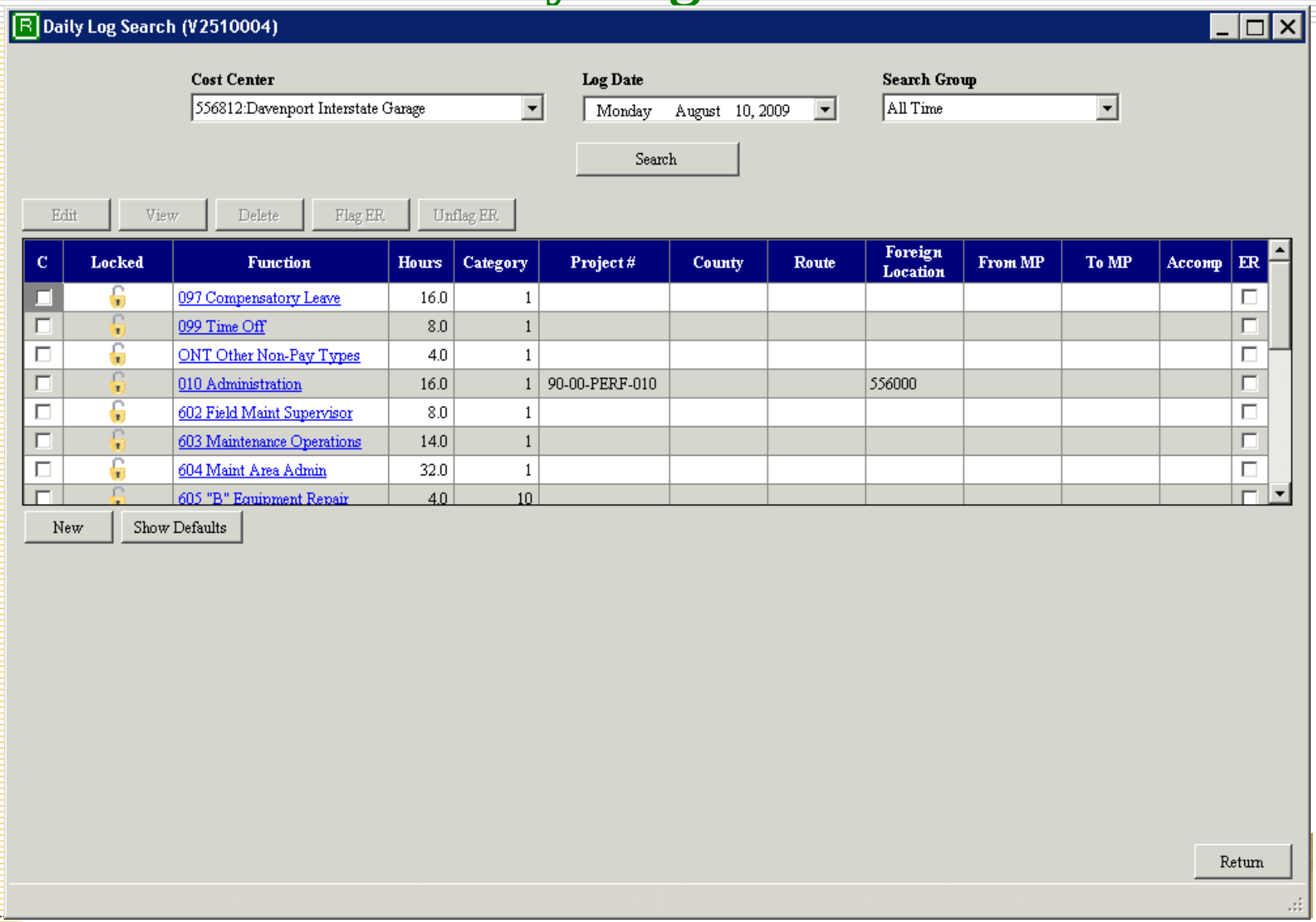
Daily Log Search



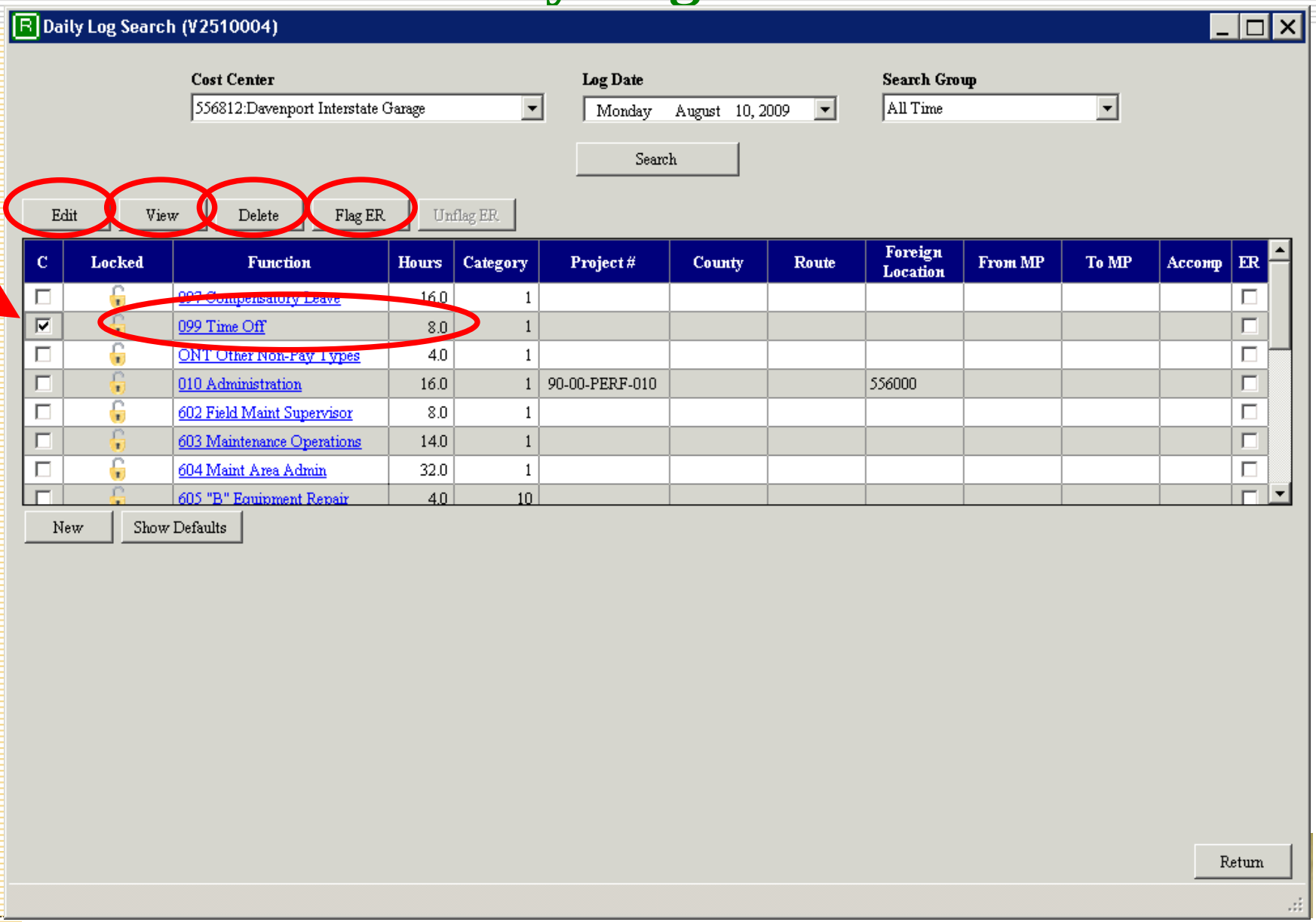
Daily Log Search



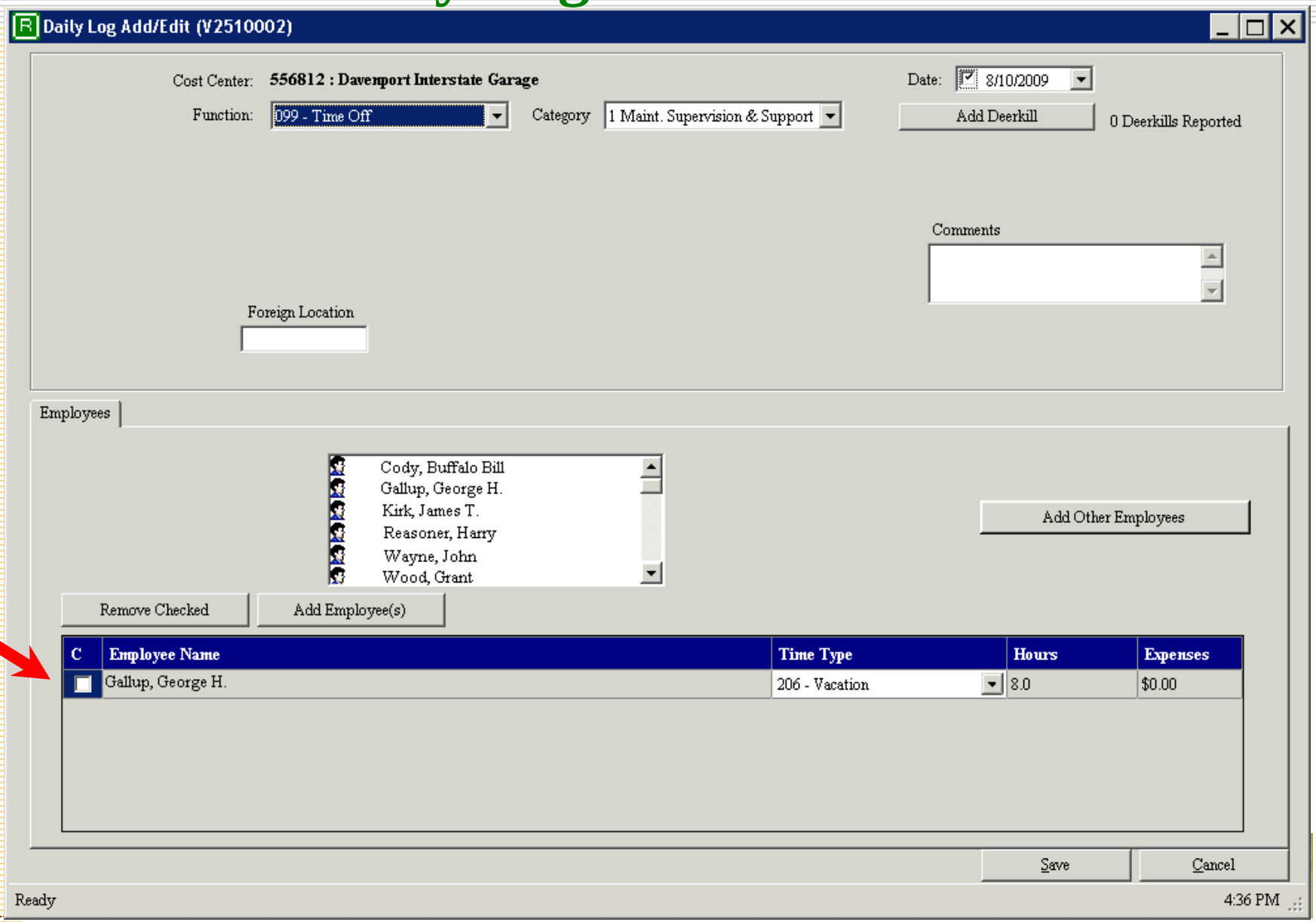
Daily Log Search



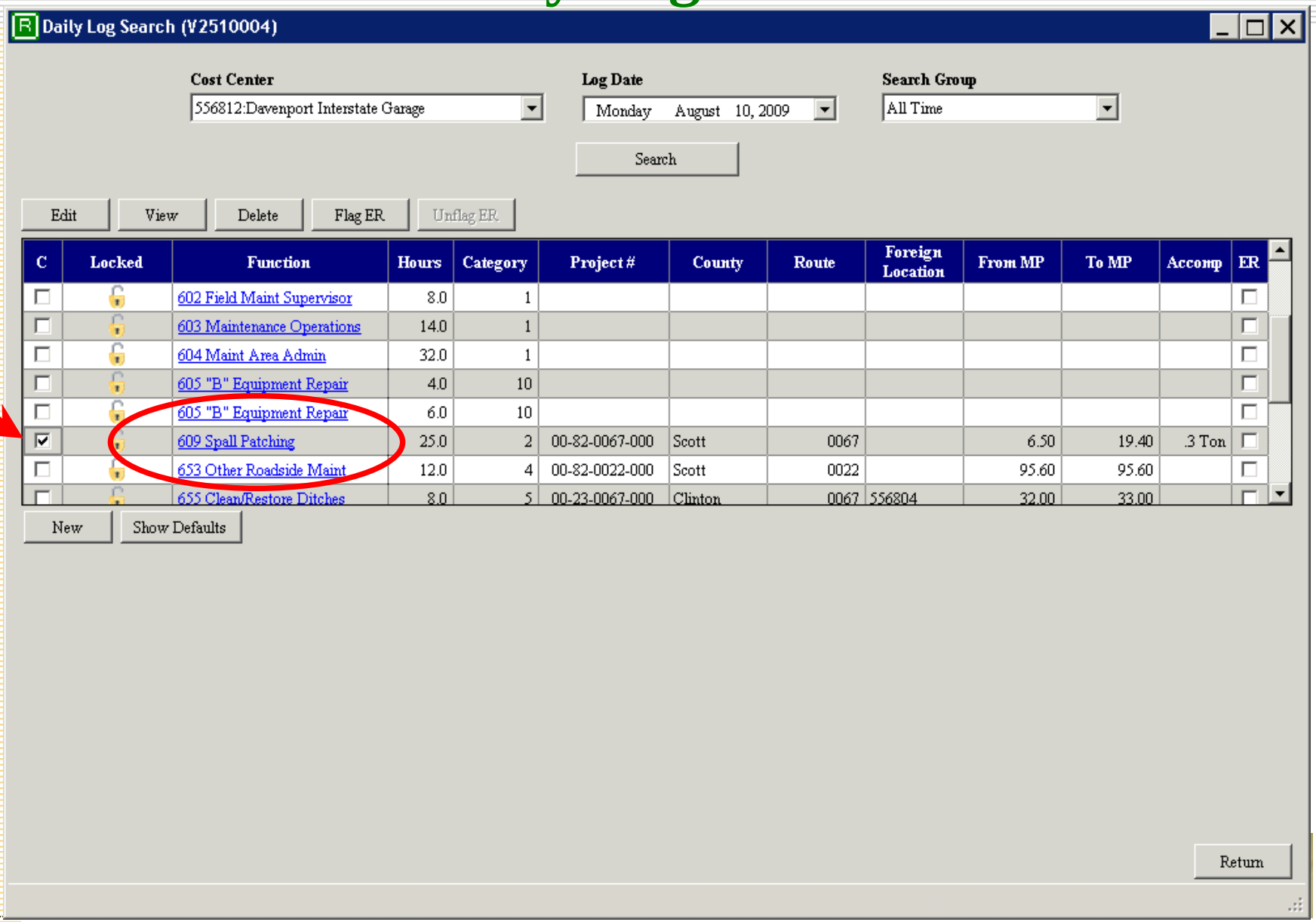
Daily Log Search



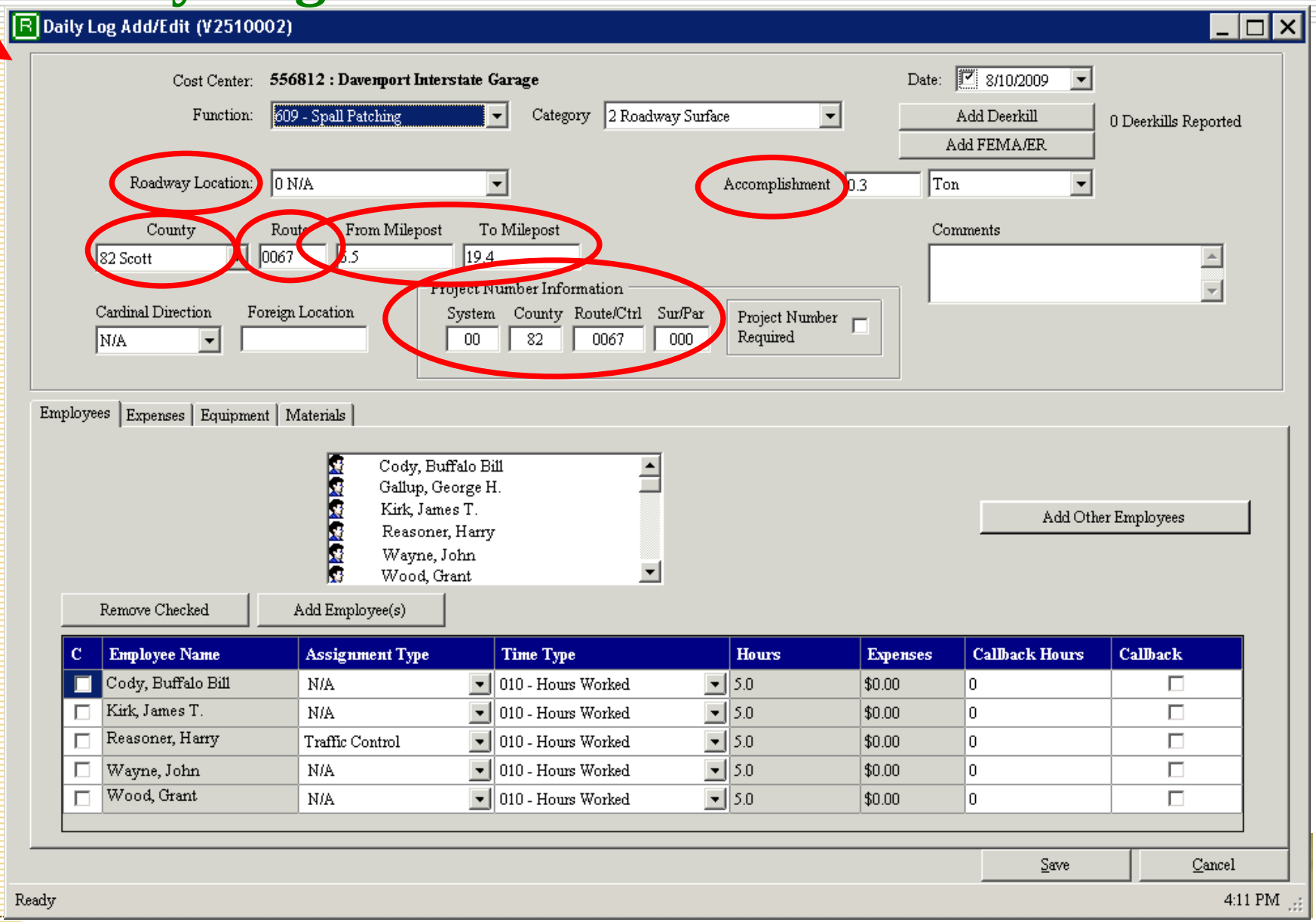
Daily Log Add/Edit/View



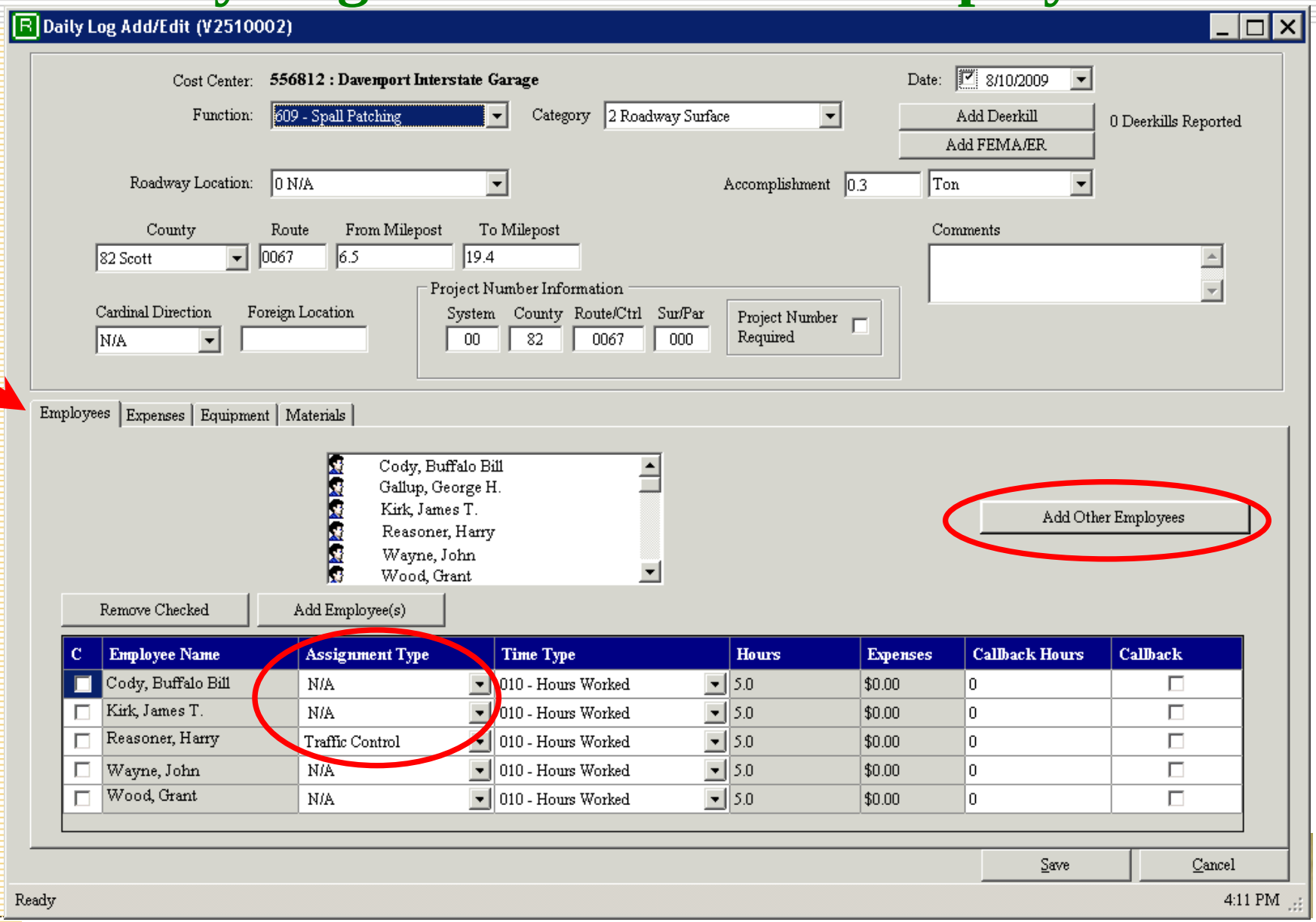
Daily Log Search



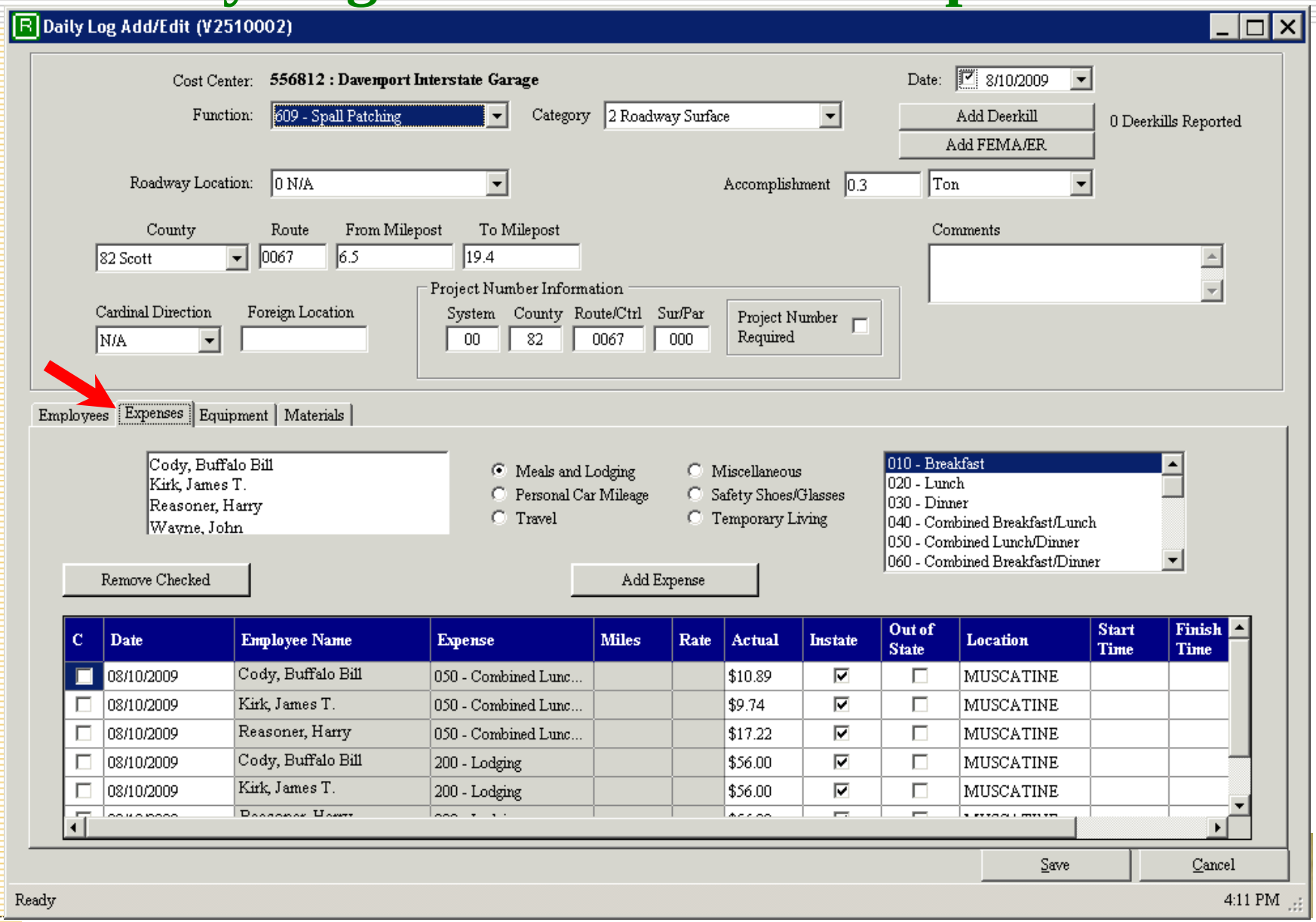
Daily Log Add/Edit/View – Function Section



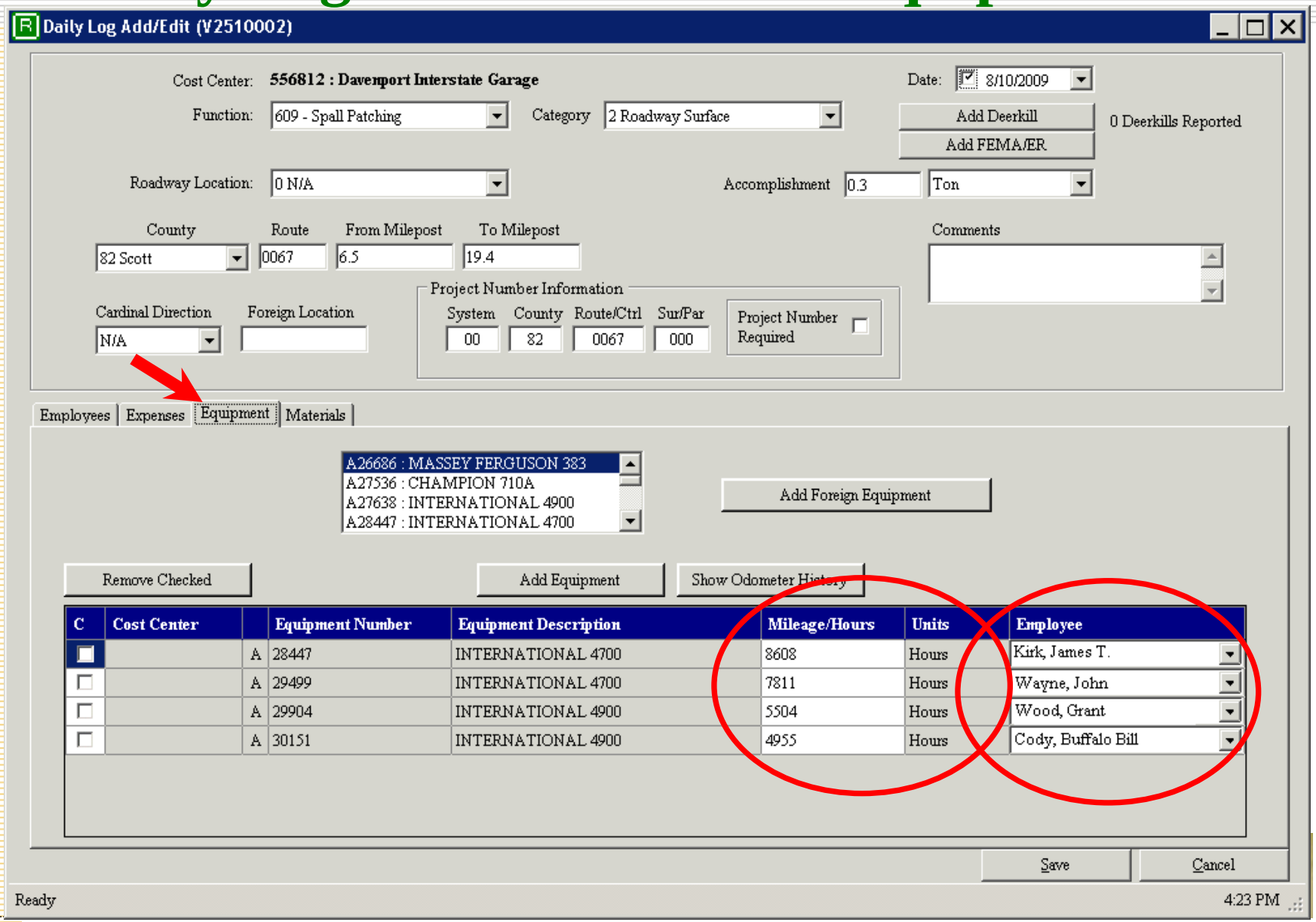
Daily Log Add/Edit/View – Employee tab



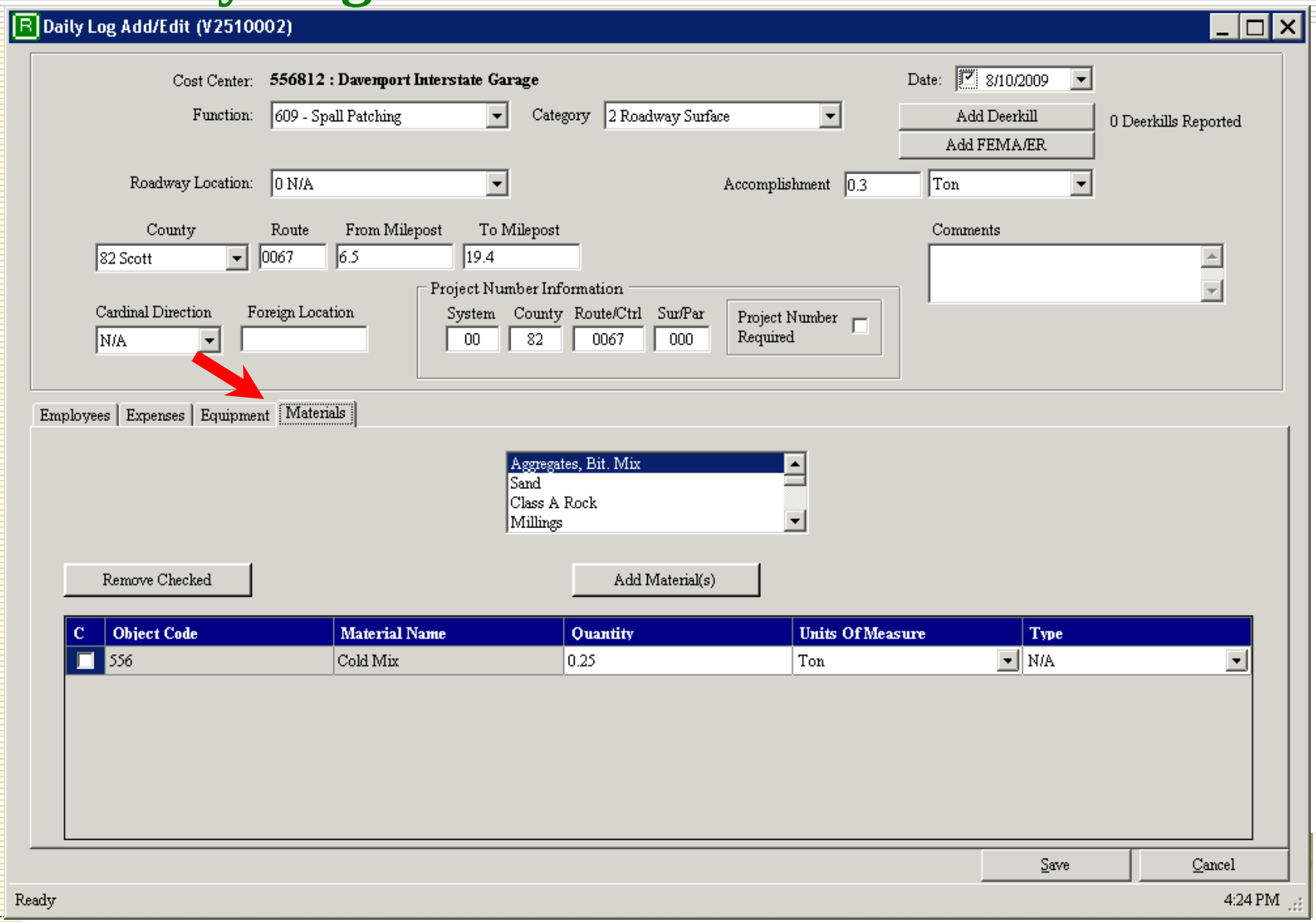
Daily Log Add/Edit/View – Expenses tab



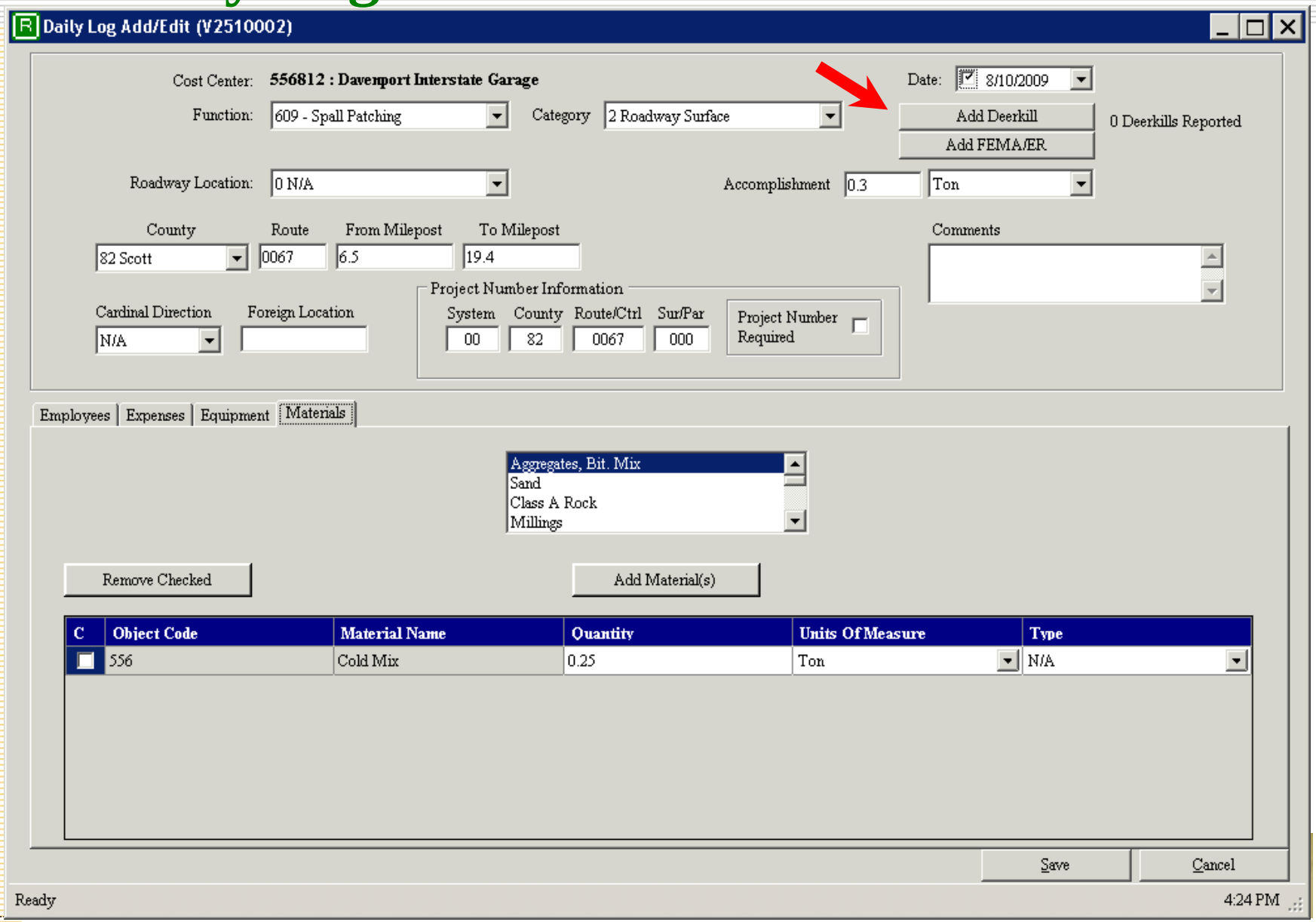
Daily Log Add/Edit/View – Equipment tab



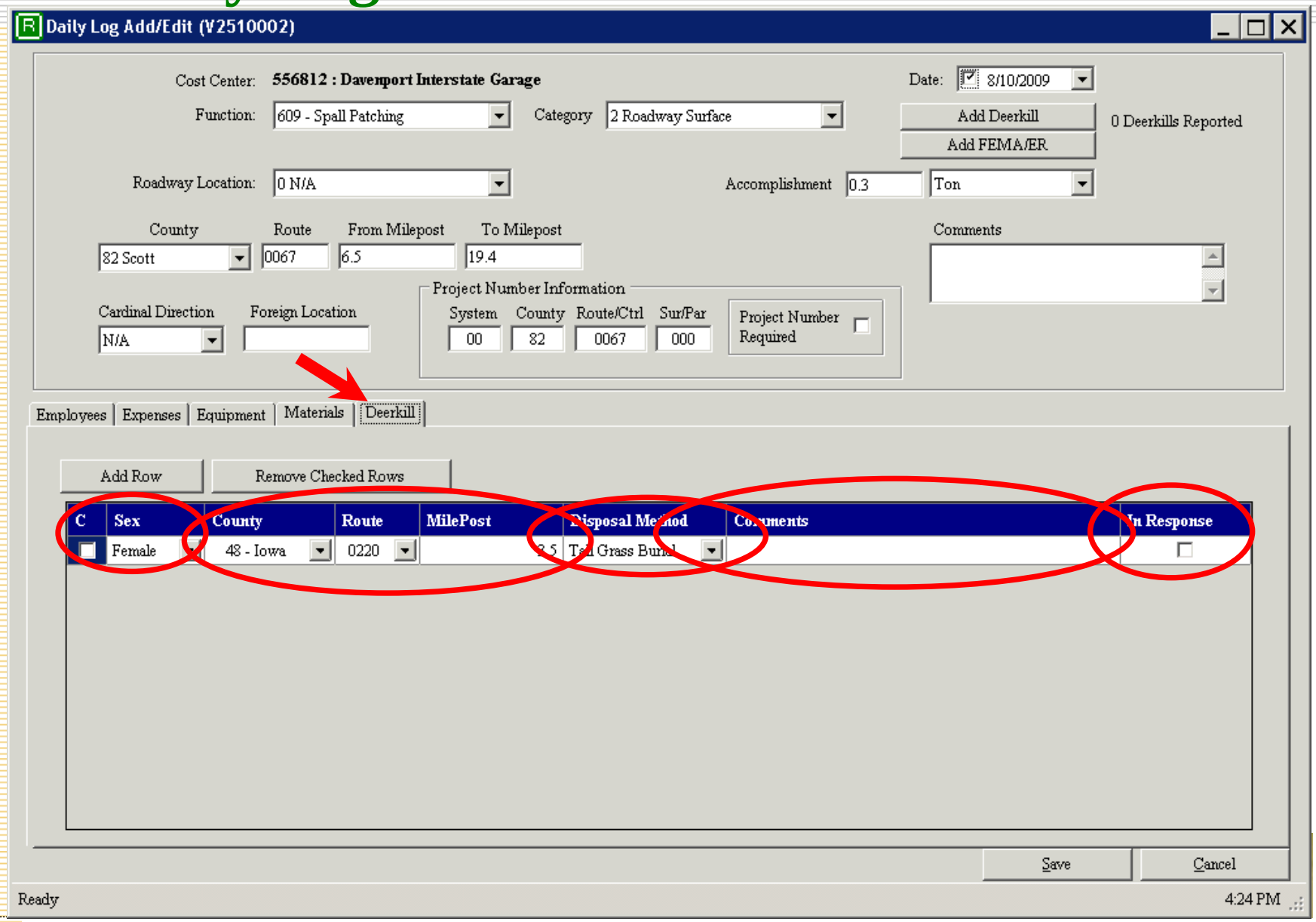
Daily Log Add/Edit/View – Materials tab



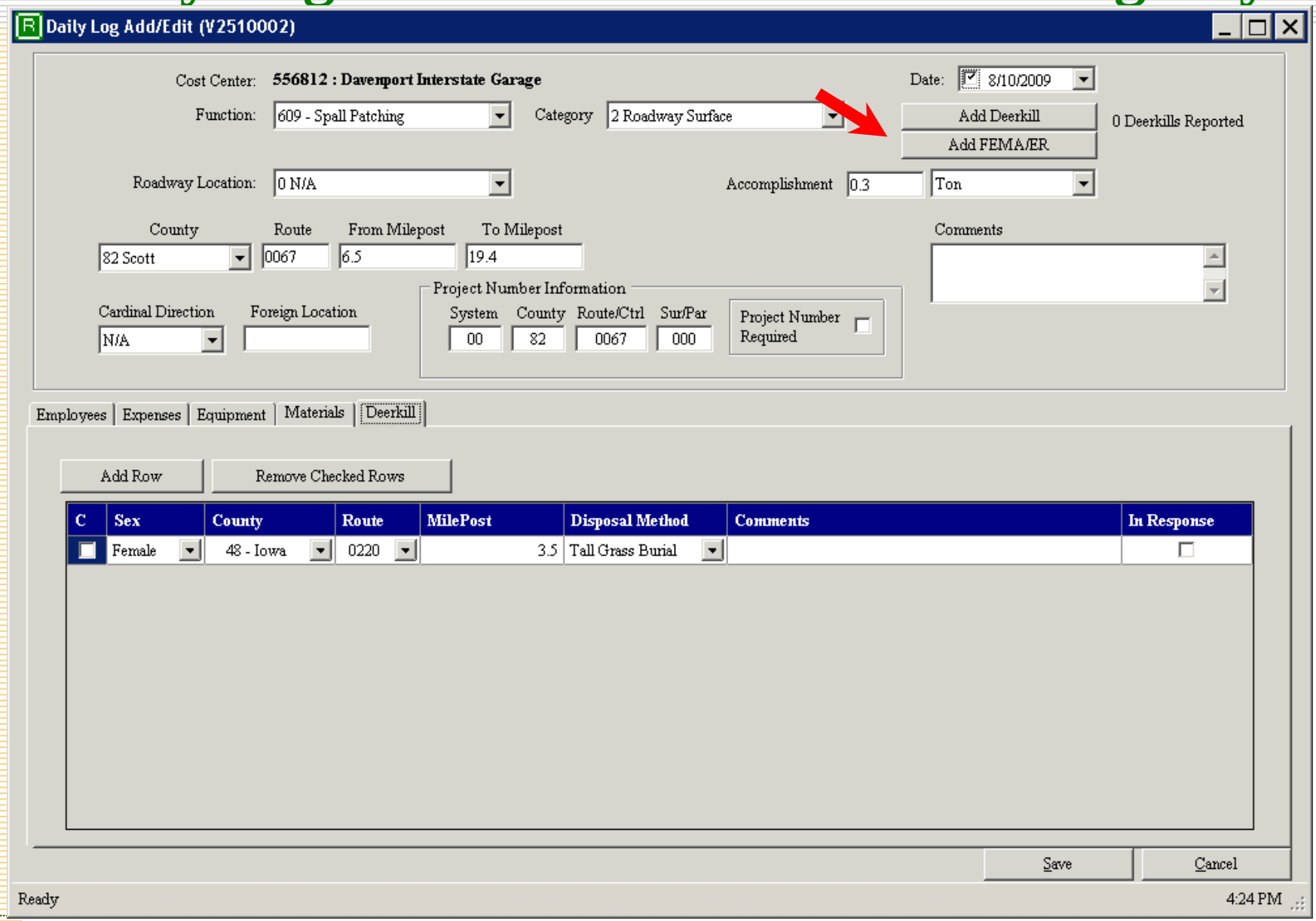
Daily Log Add/Edit/View – Add Deerkill



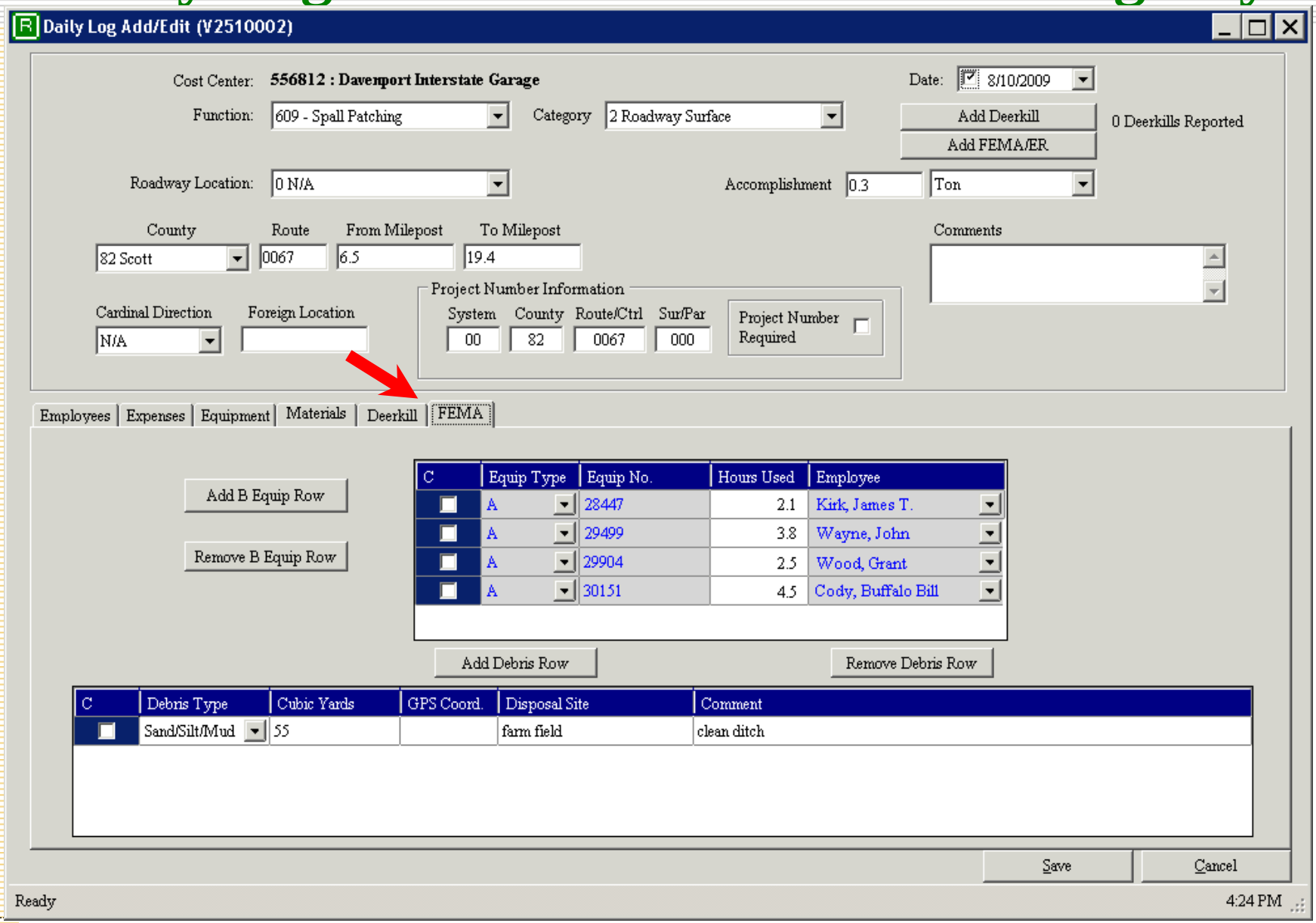
Daily Log Add/Edit/View – Add Deerkill



Daily Log Add/Edit/View – Add Emergency



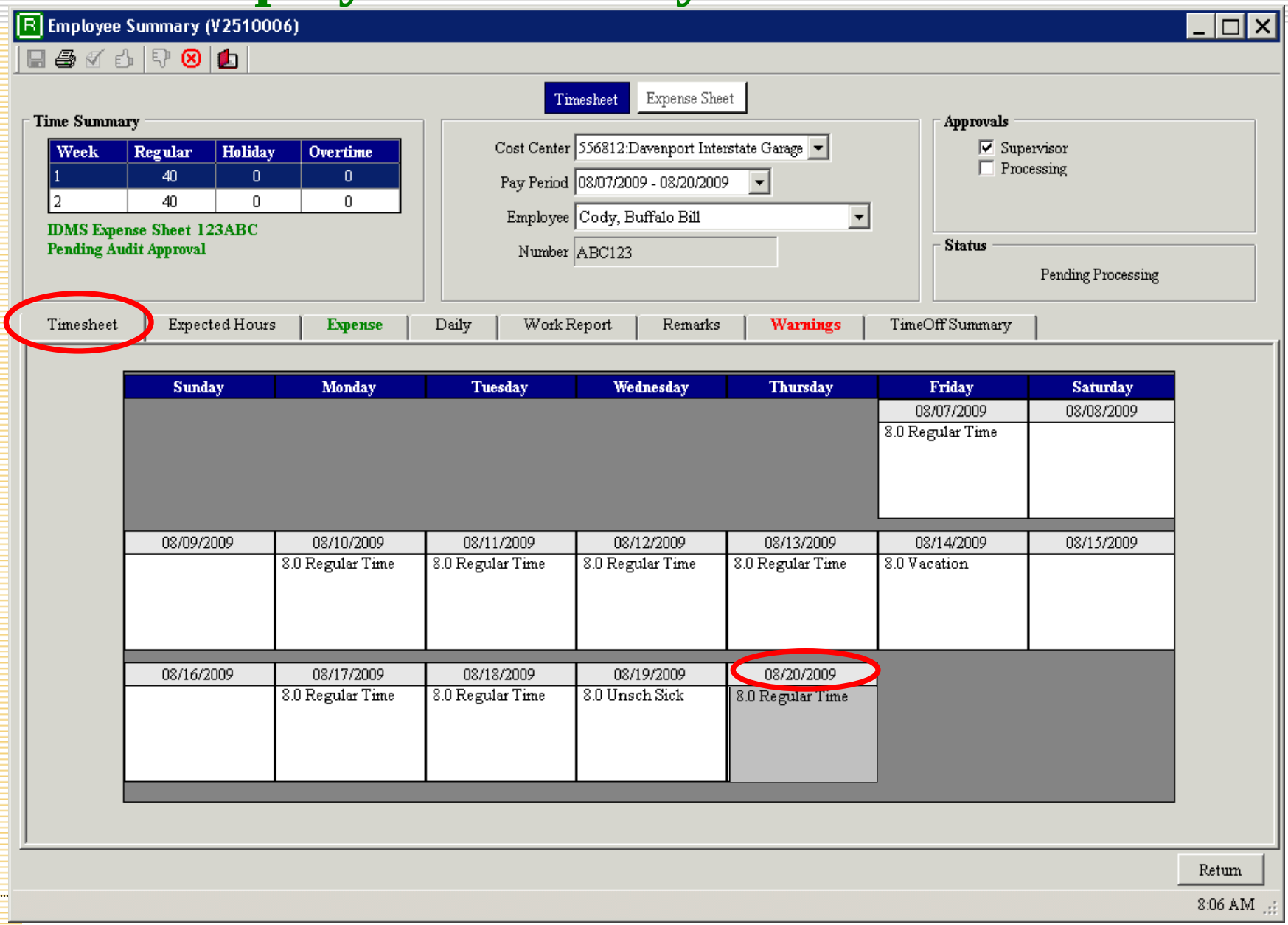
Daily Log Add/Edit/View – Add Emergency



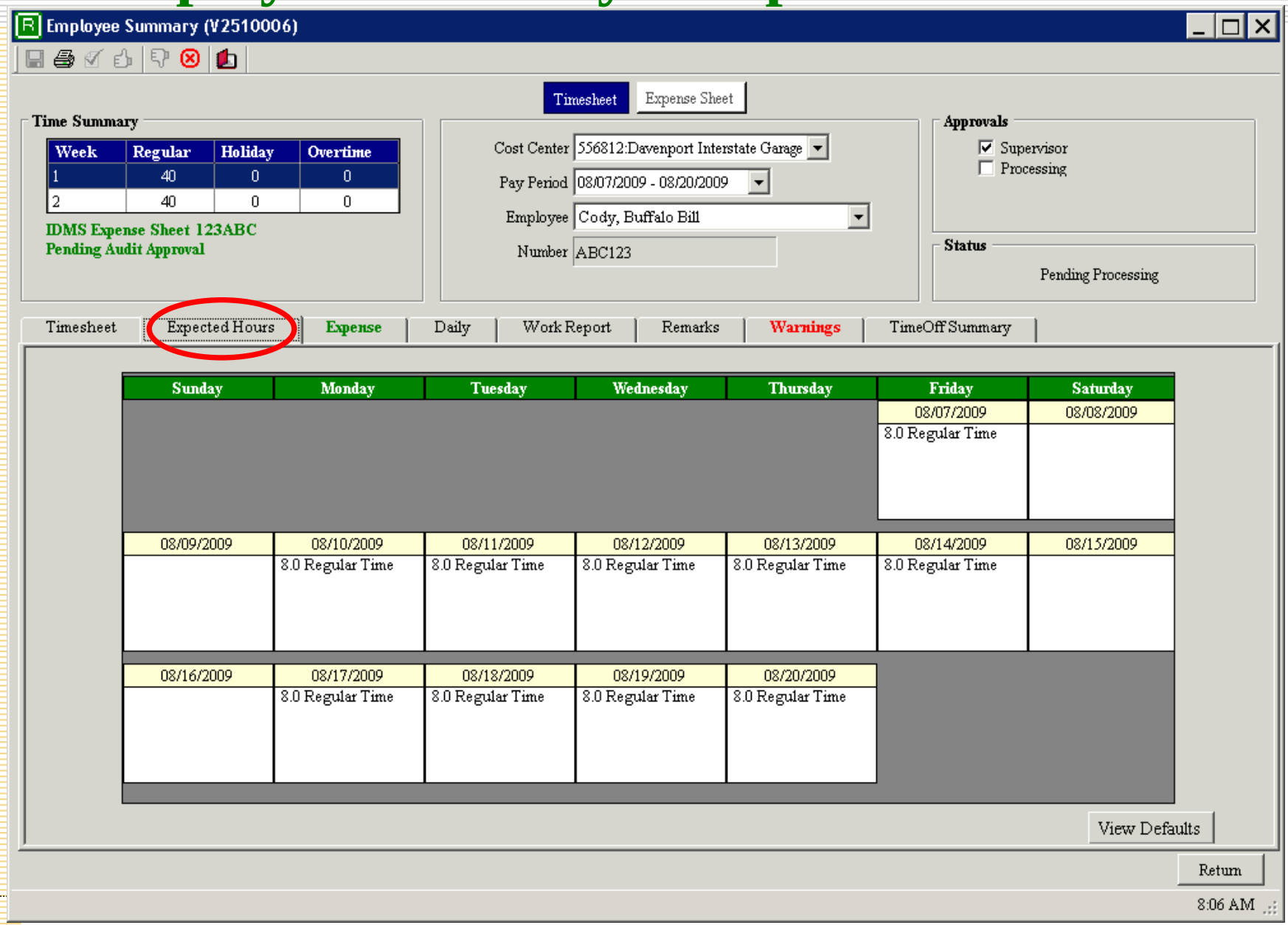
Sharing Work Entries With Payroll

- Data is reviewed before updating the other system.
- Information is formatted to comply with Payroll records.
- Payroll’s accounting methods and standards are used.
- Payroll actions displayed in RMS.
- Courtesy displays.

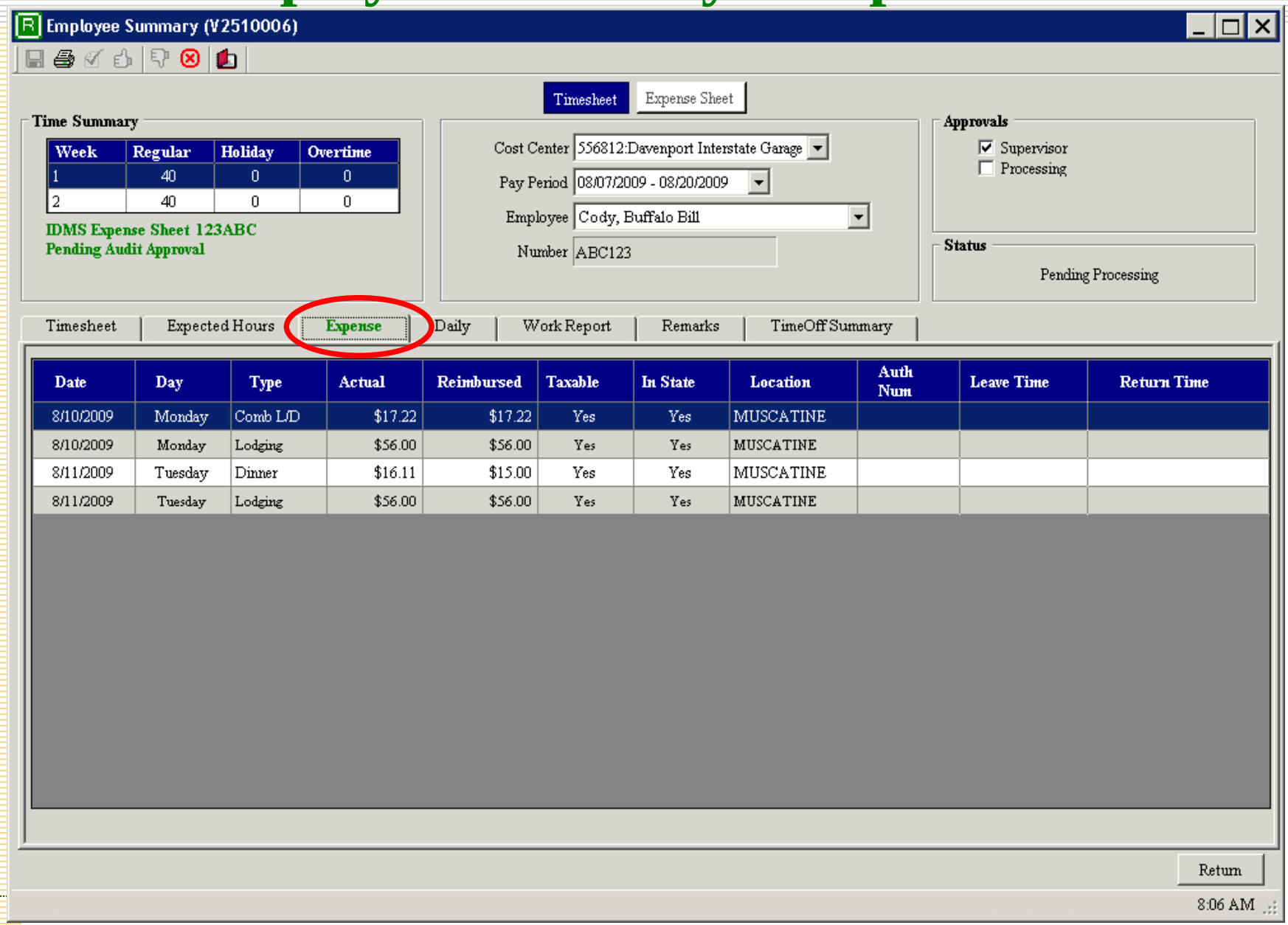
Employee Summary – Timesheet tab



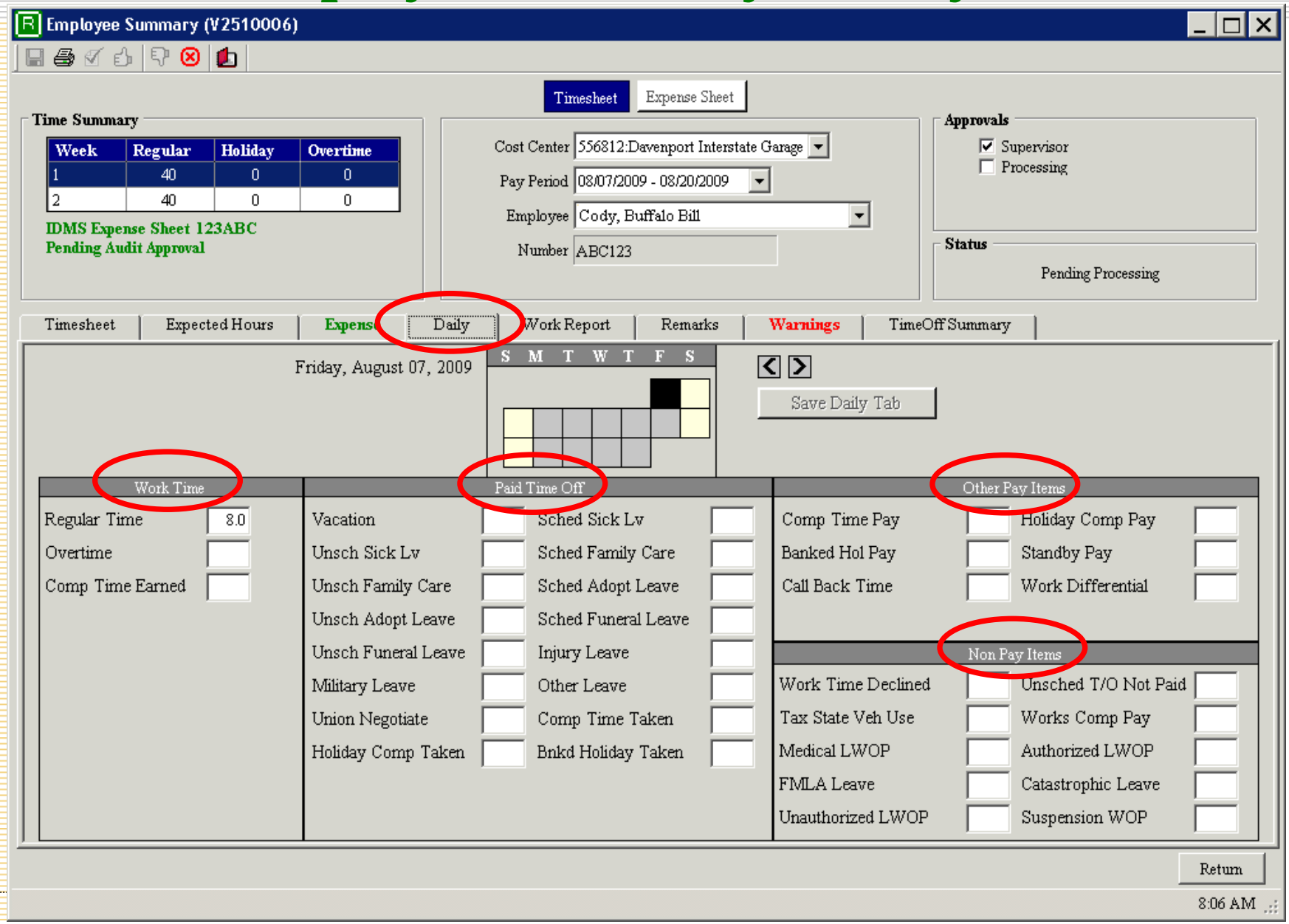
Employee Summary – Expected Hours tab



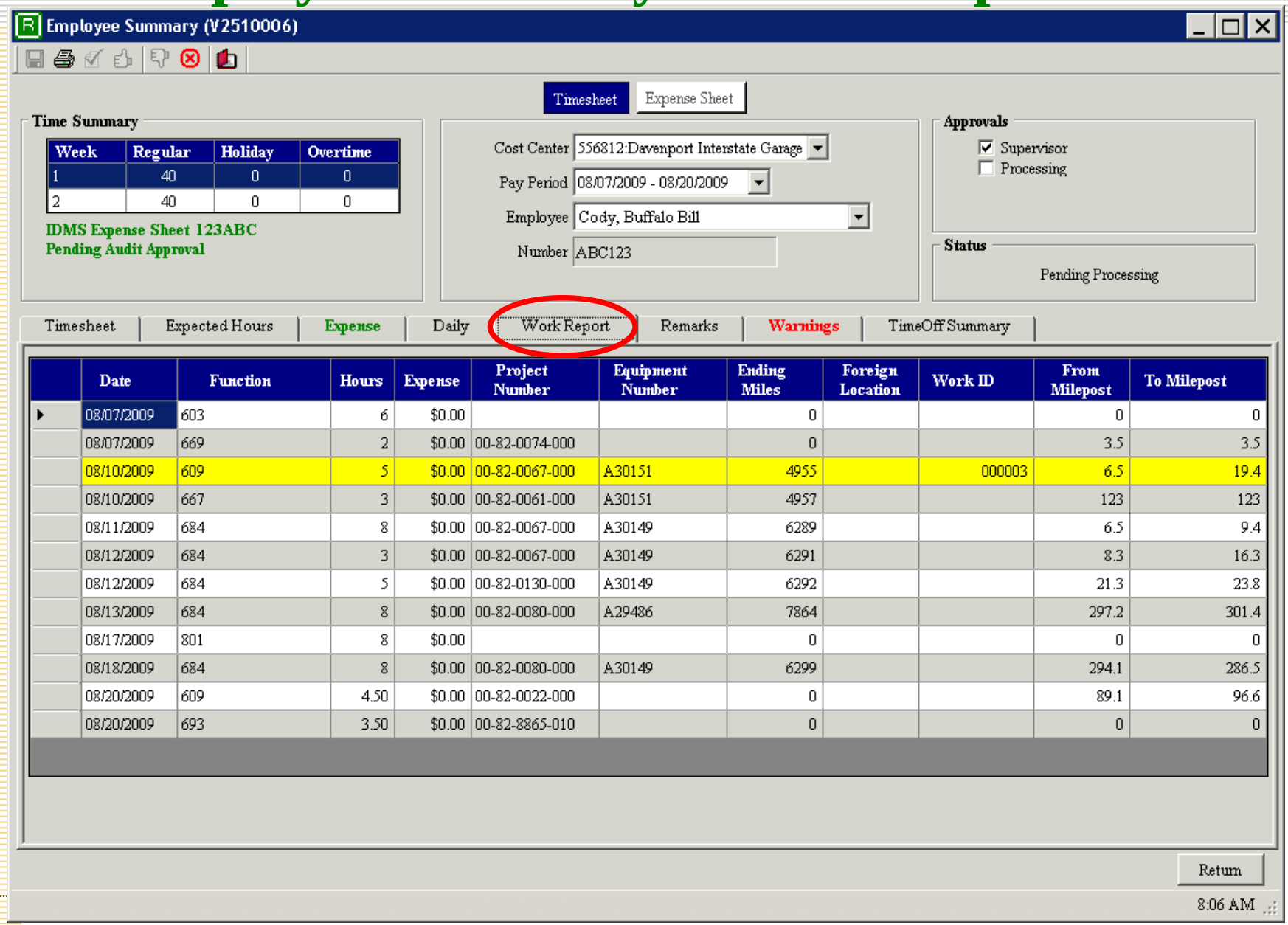
Employee Summary – Expense tab



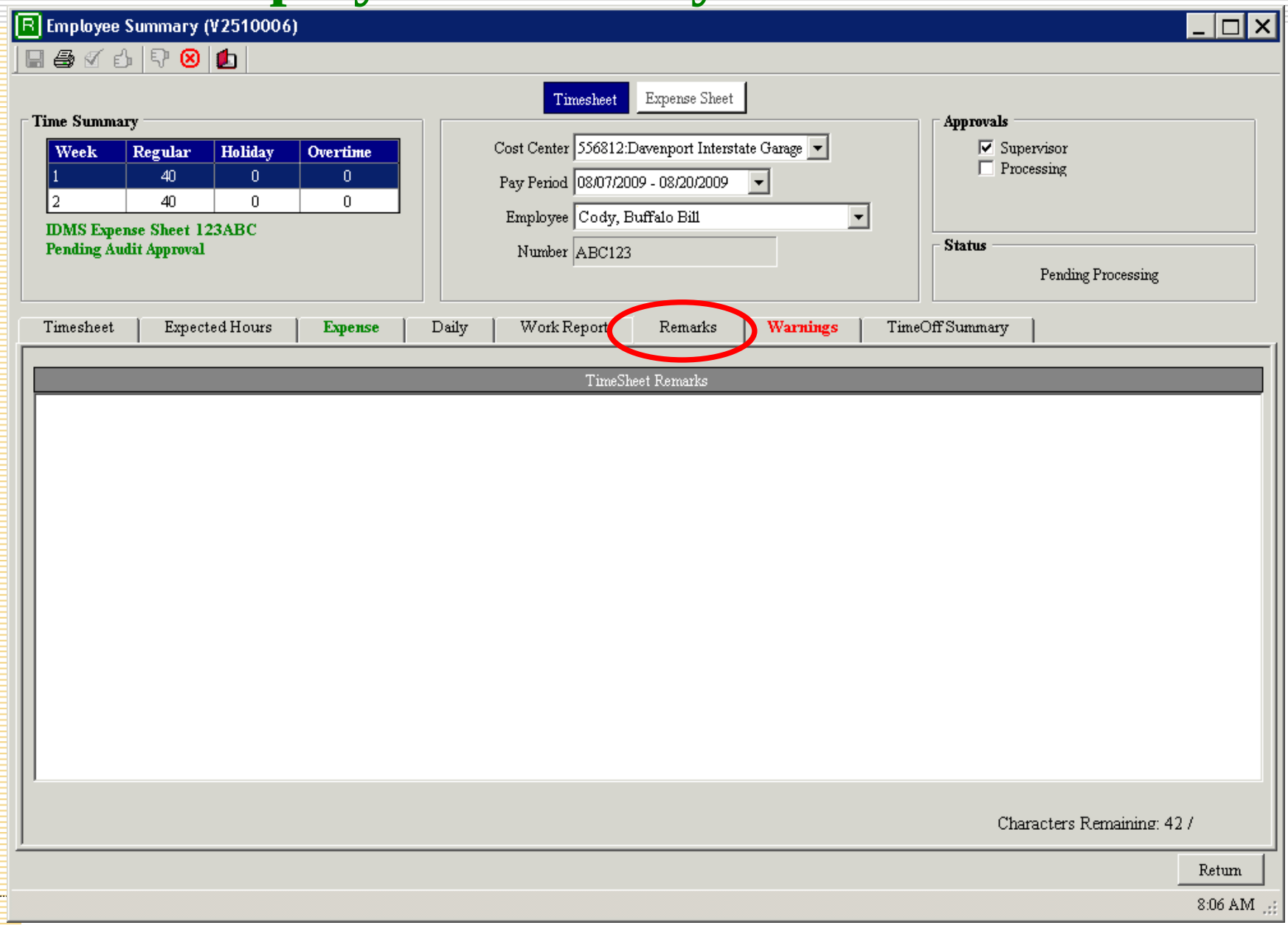
Employee Summary – Daily tab



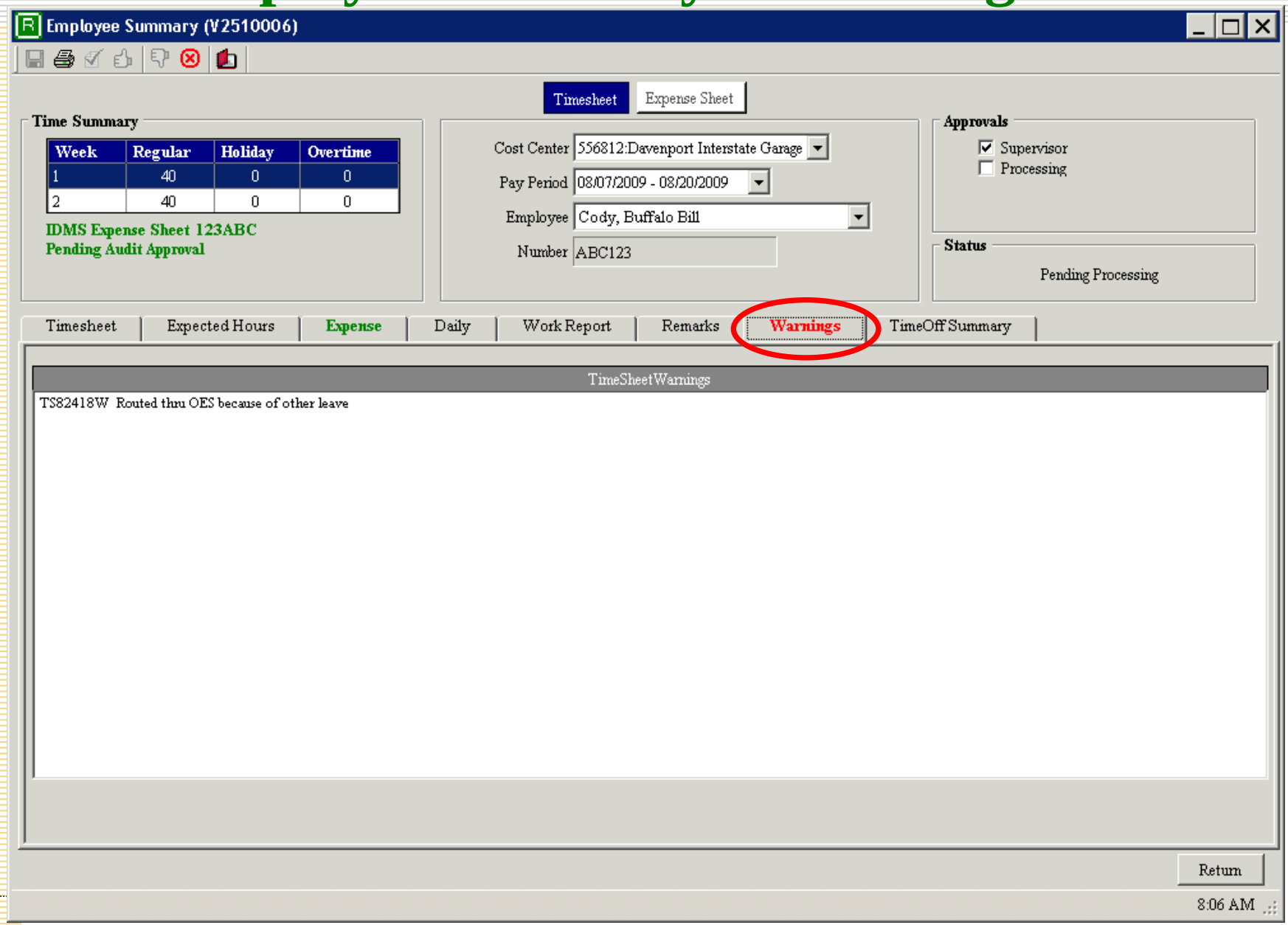
Employee Summary – Work Report tab



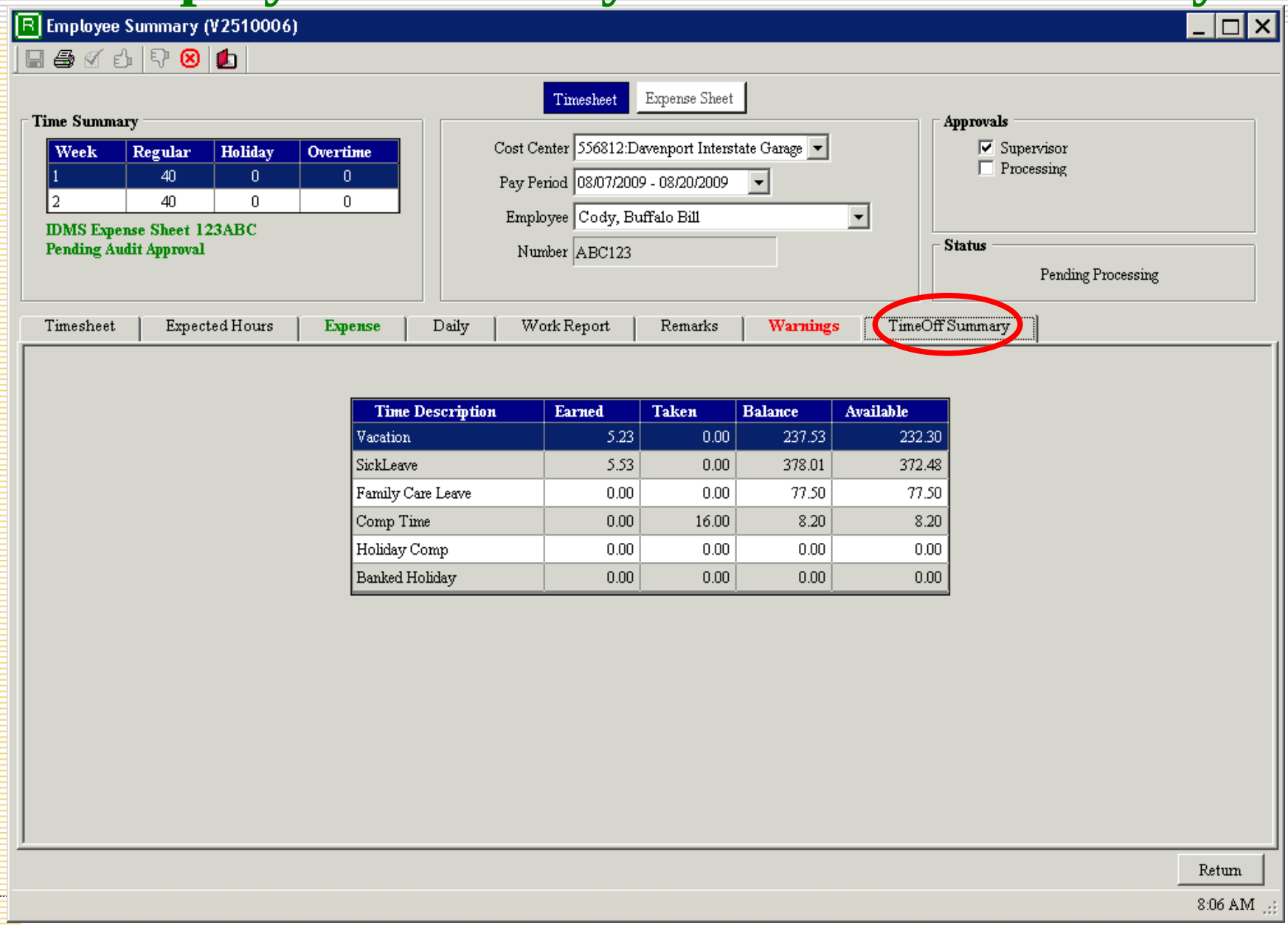
Employee Summary – Remarks tab



Employee Summary – Warnings tab



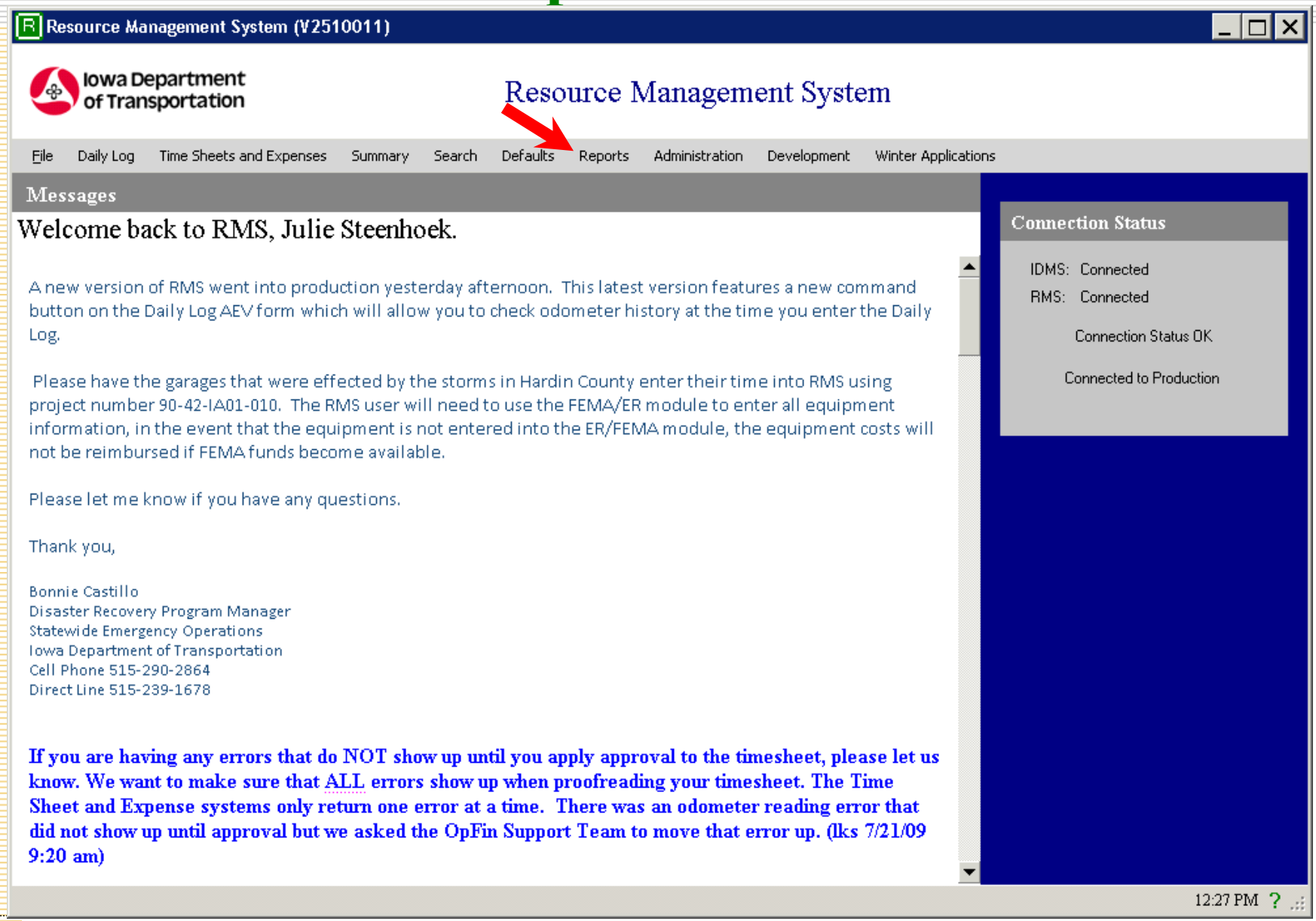
Employee Summary – Time Off Summary



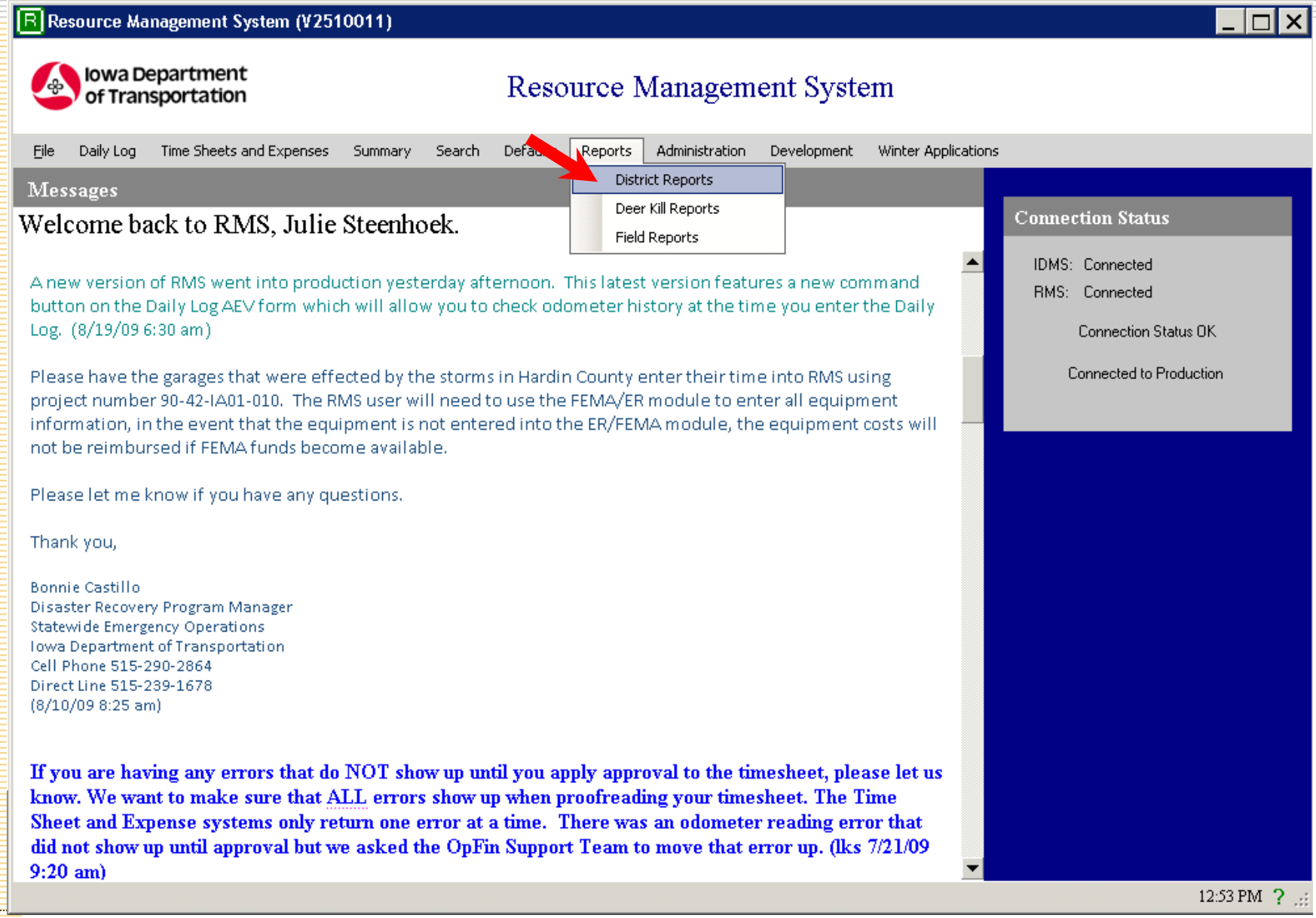
Reporting

- Selection menu allows for standard criteria to be used when creating reports.
- Active Reports is used for report writing.
- Reports can be exported as Excel, PDF, or HTML files.

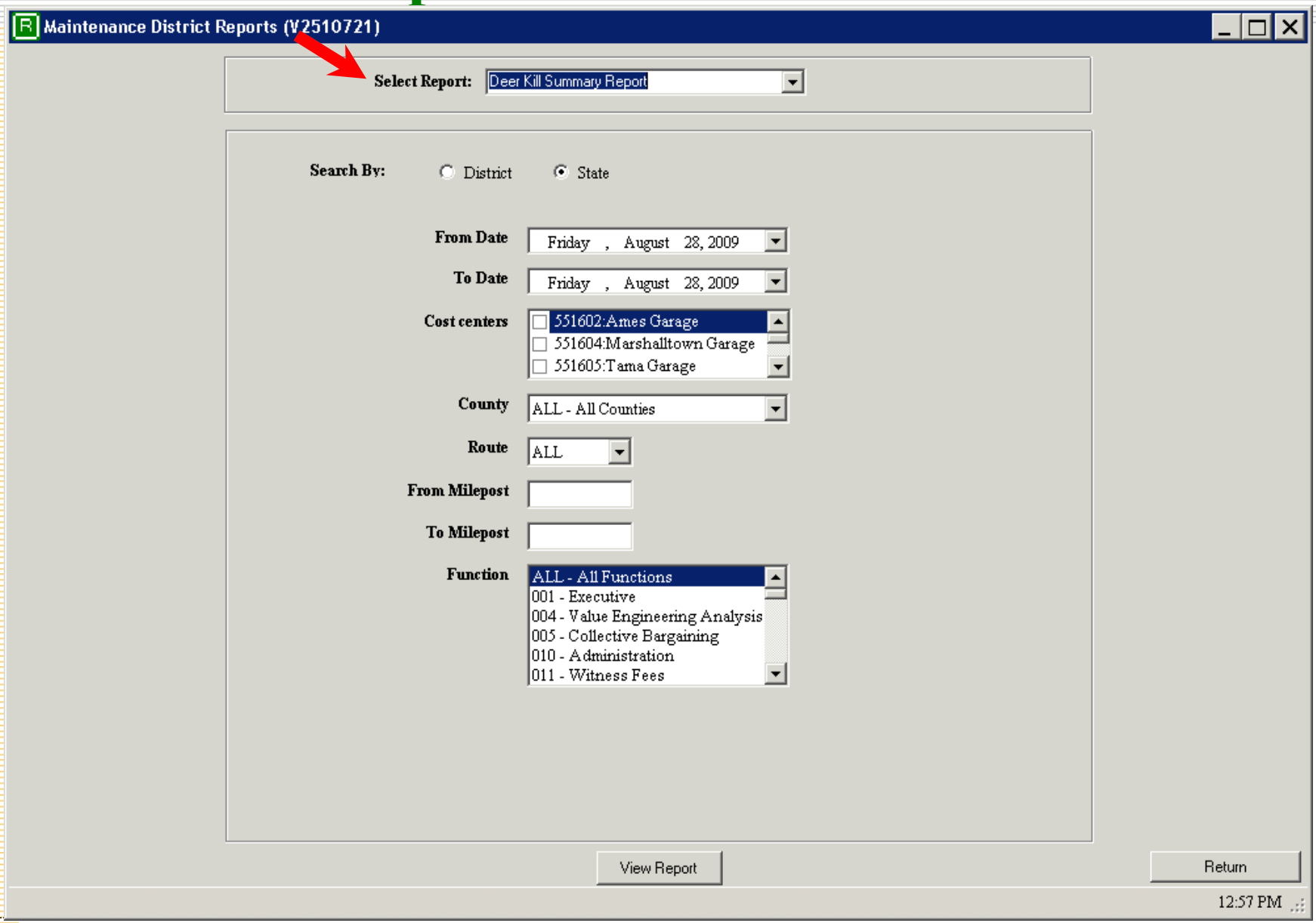
Reports Menu



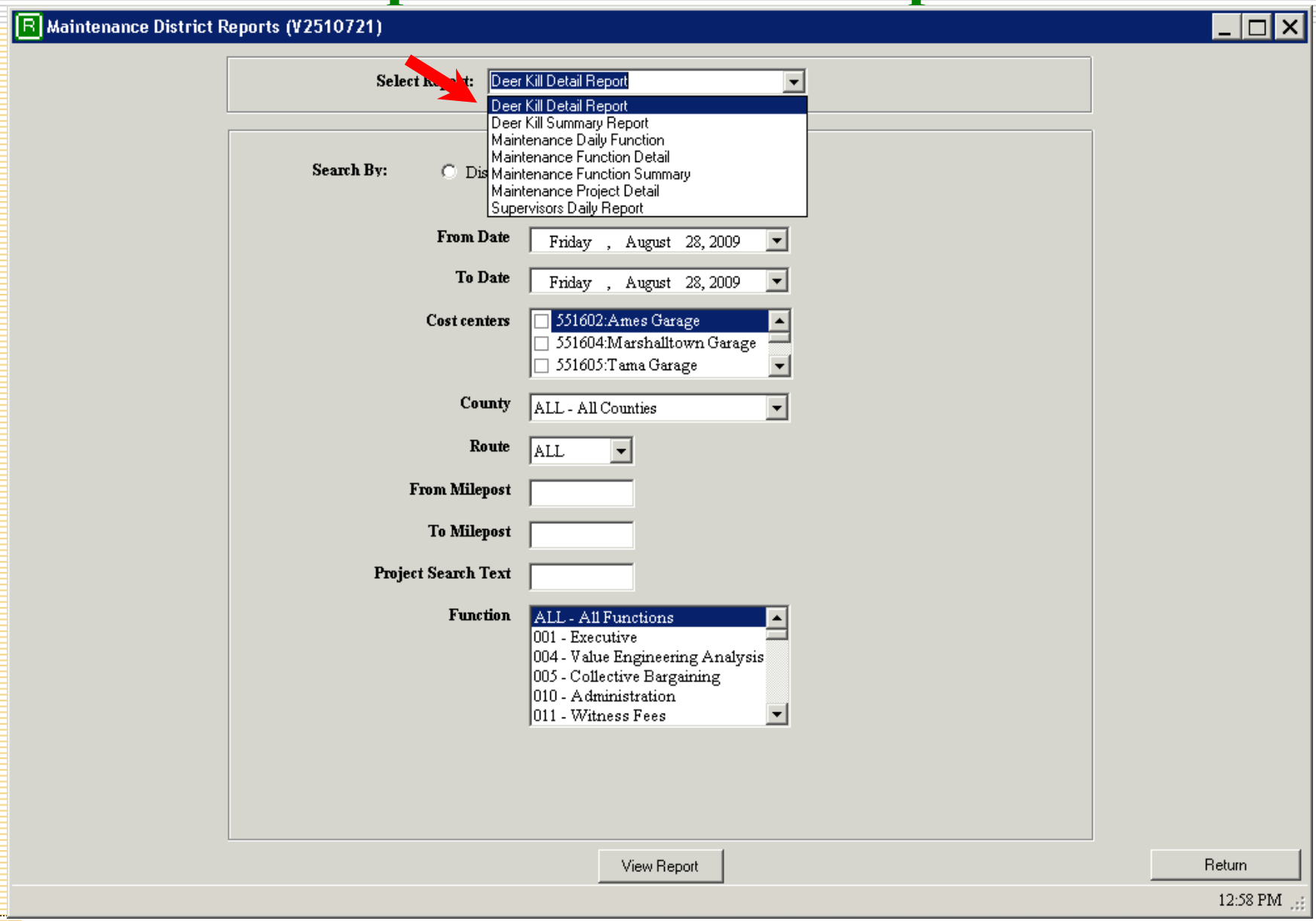
Reports – Selection



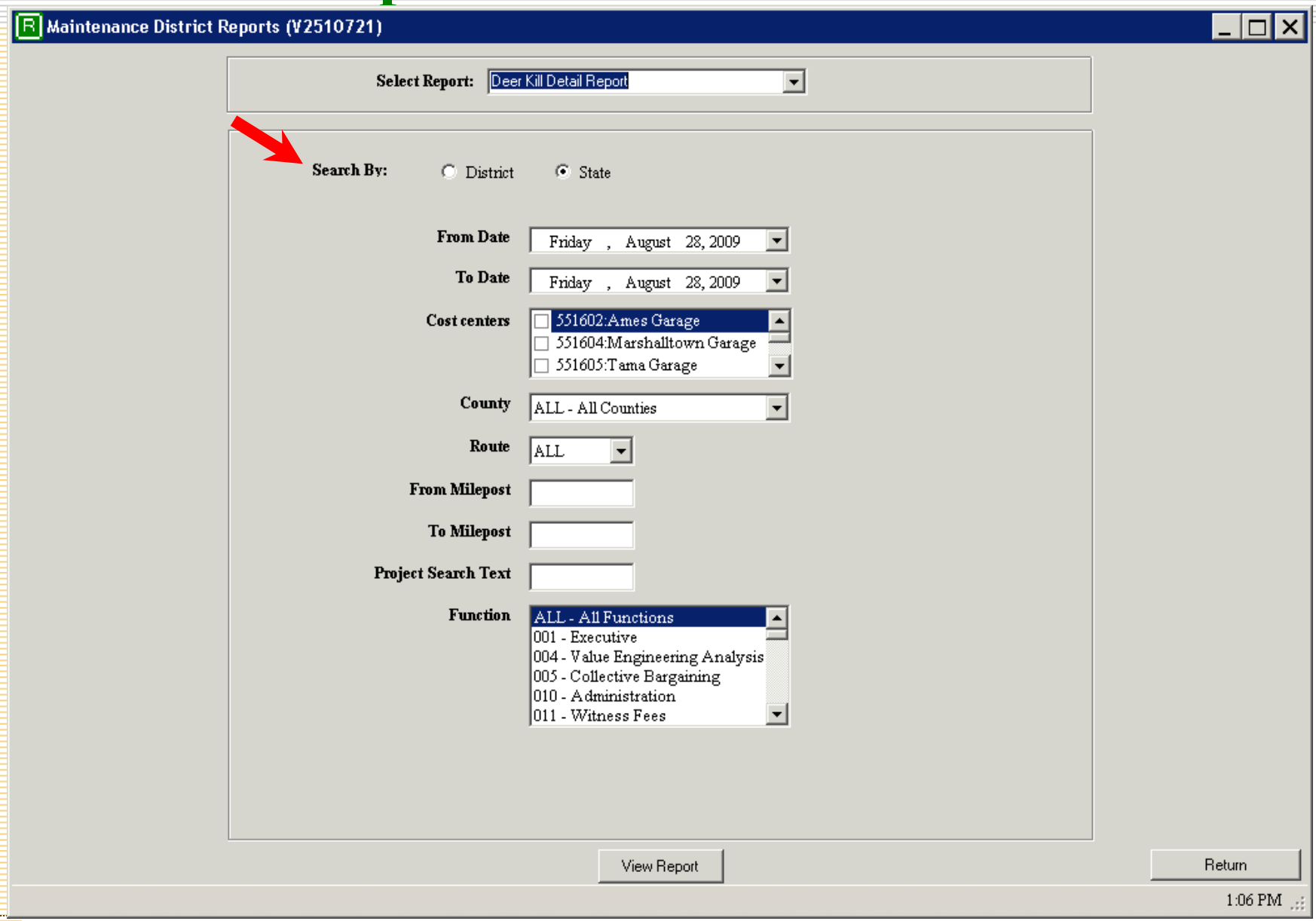
Reports – District Menu



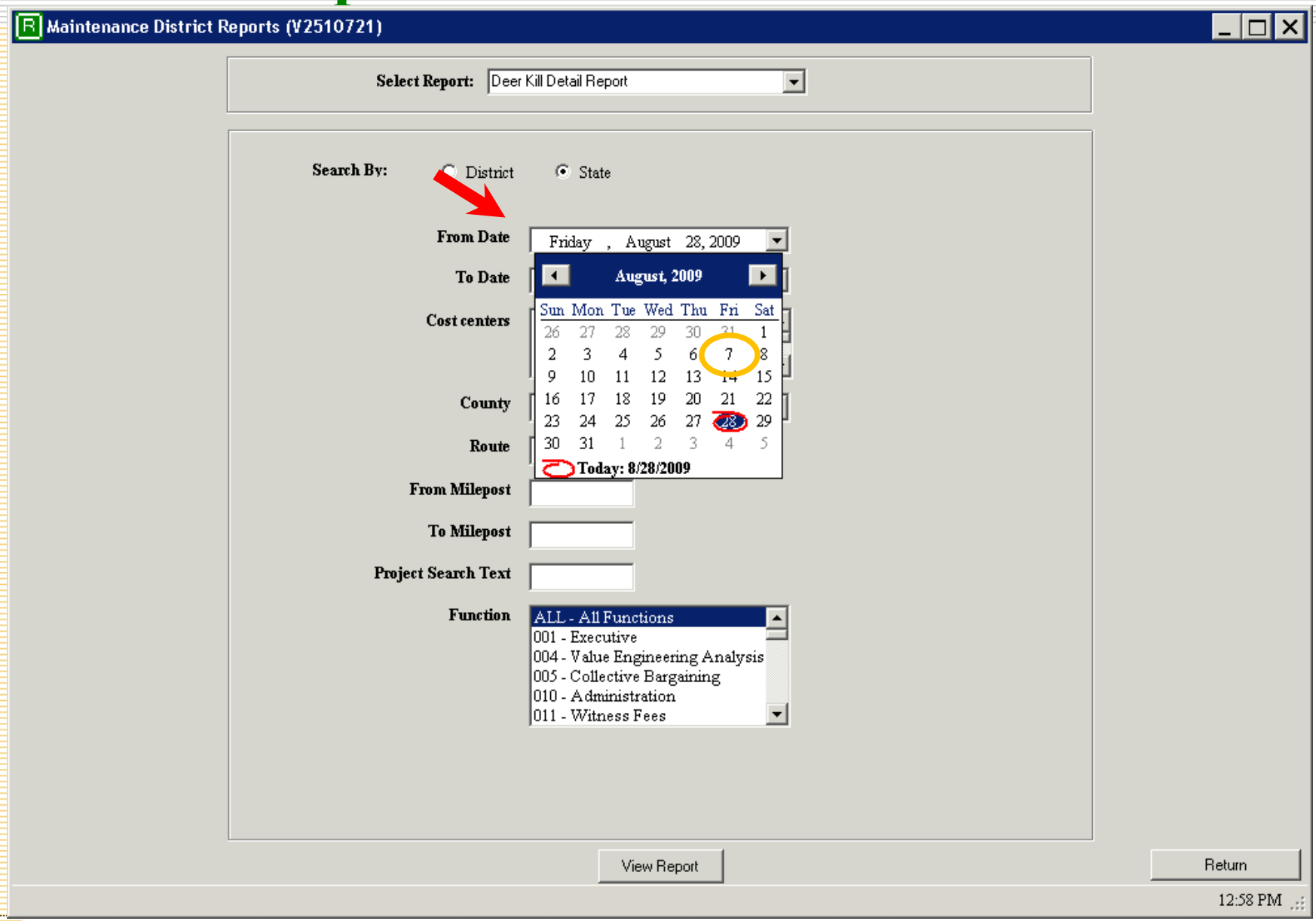
Reports – Select A Report



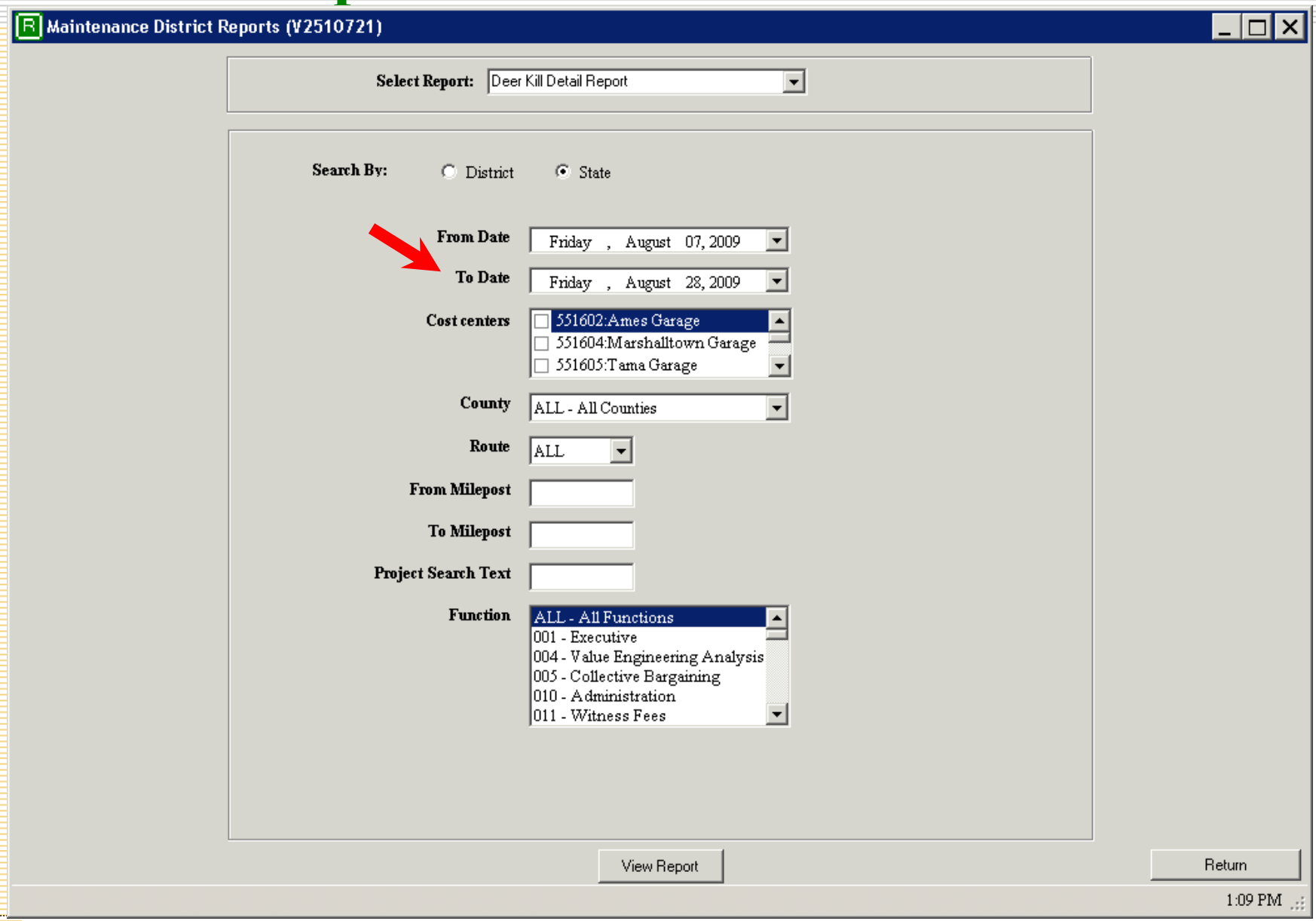
Reports – Select A District



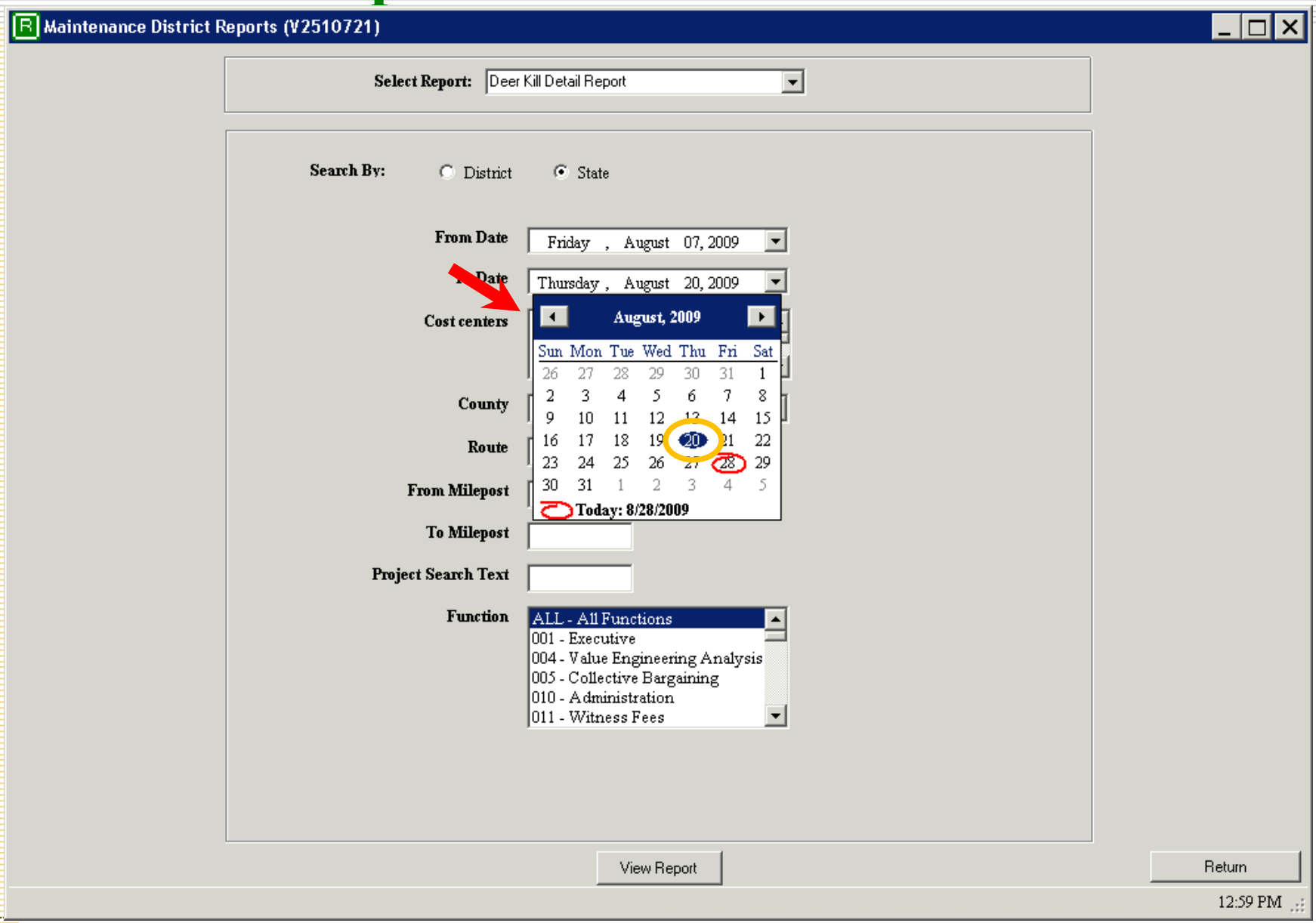
Reports – Select A From Date



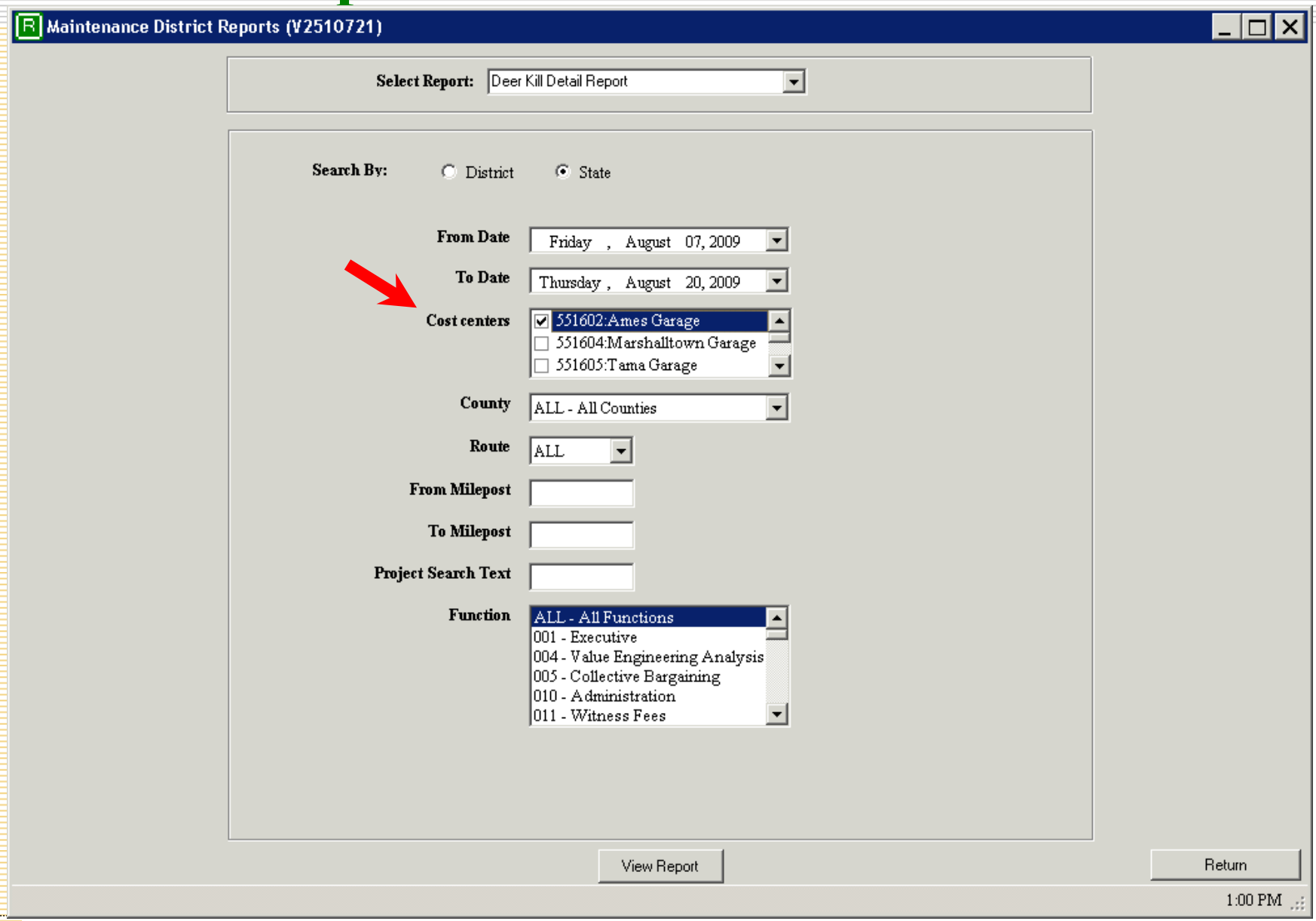
Reports – Select A From Date



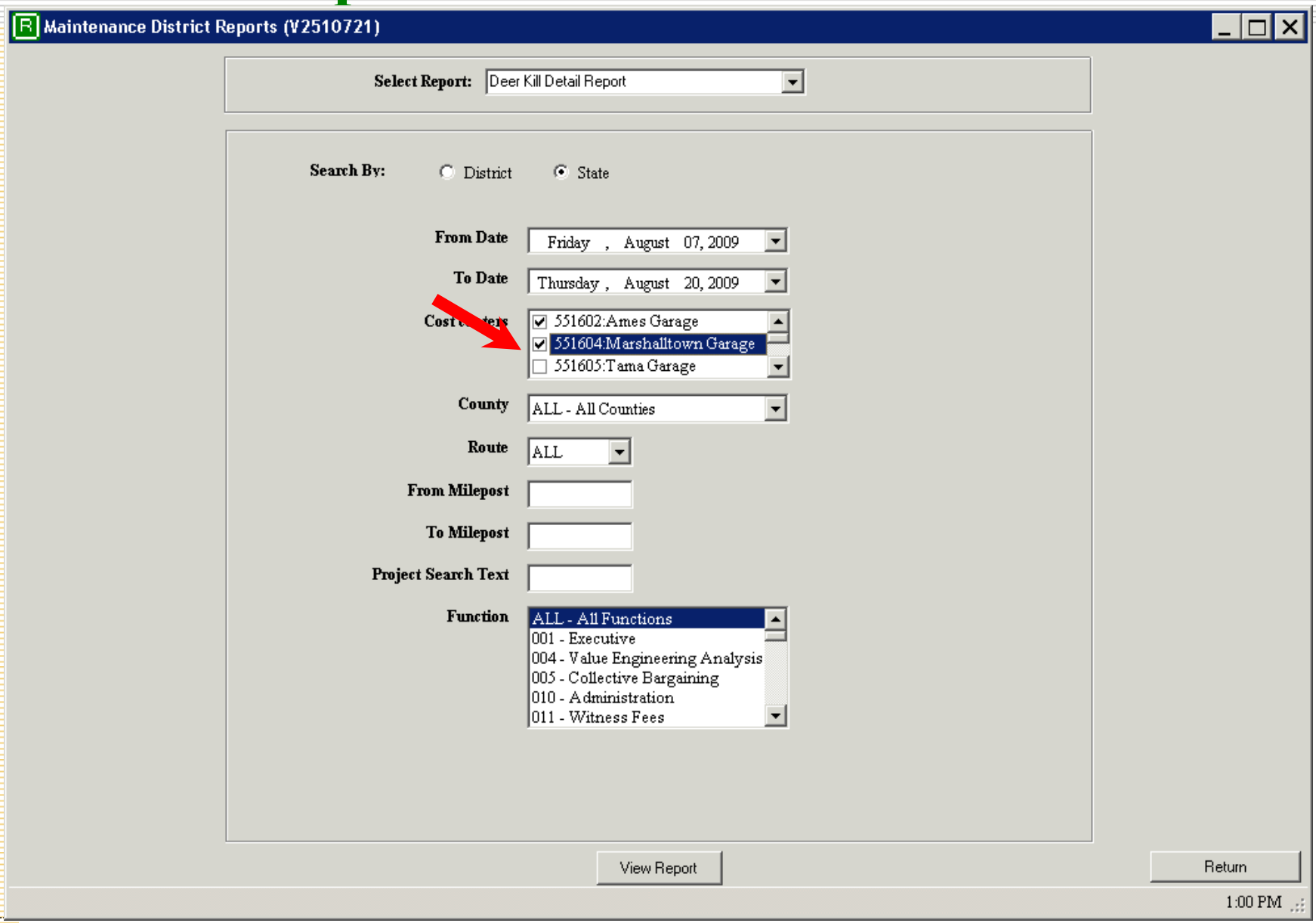
Reports – Select A To Date



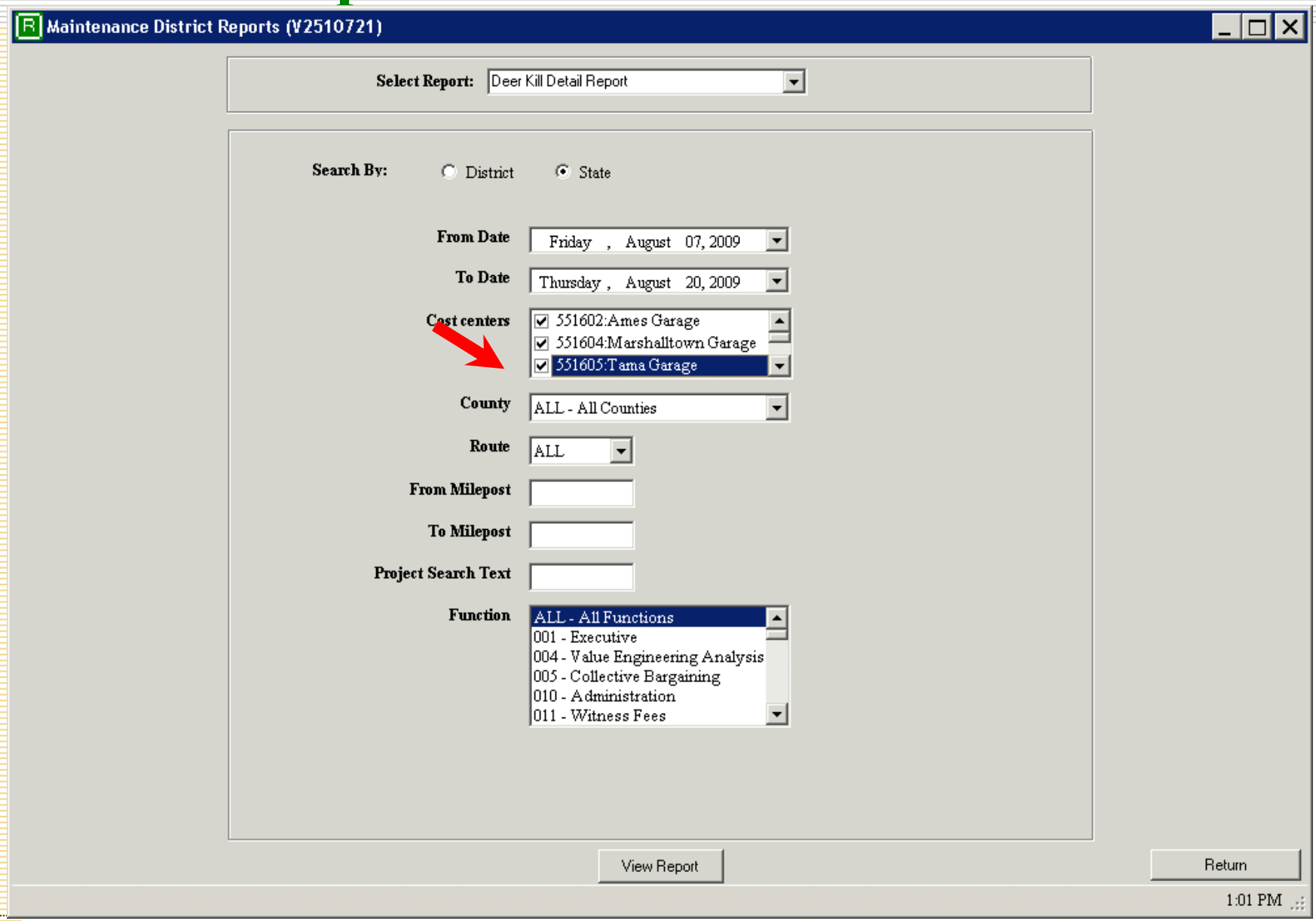
Reports – Select Cost Centers



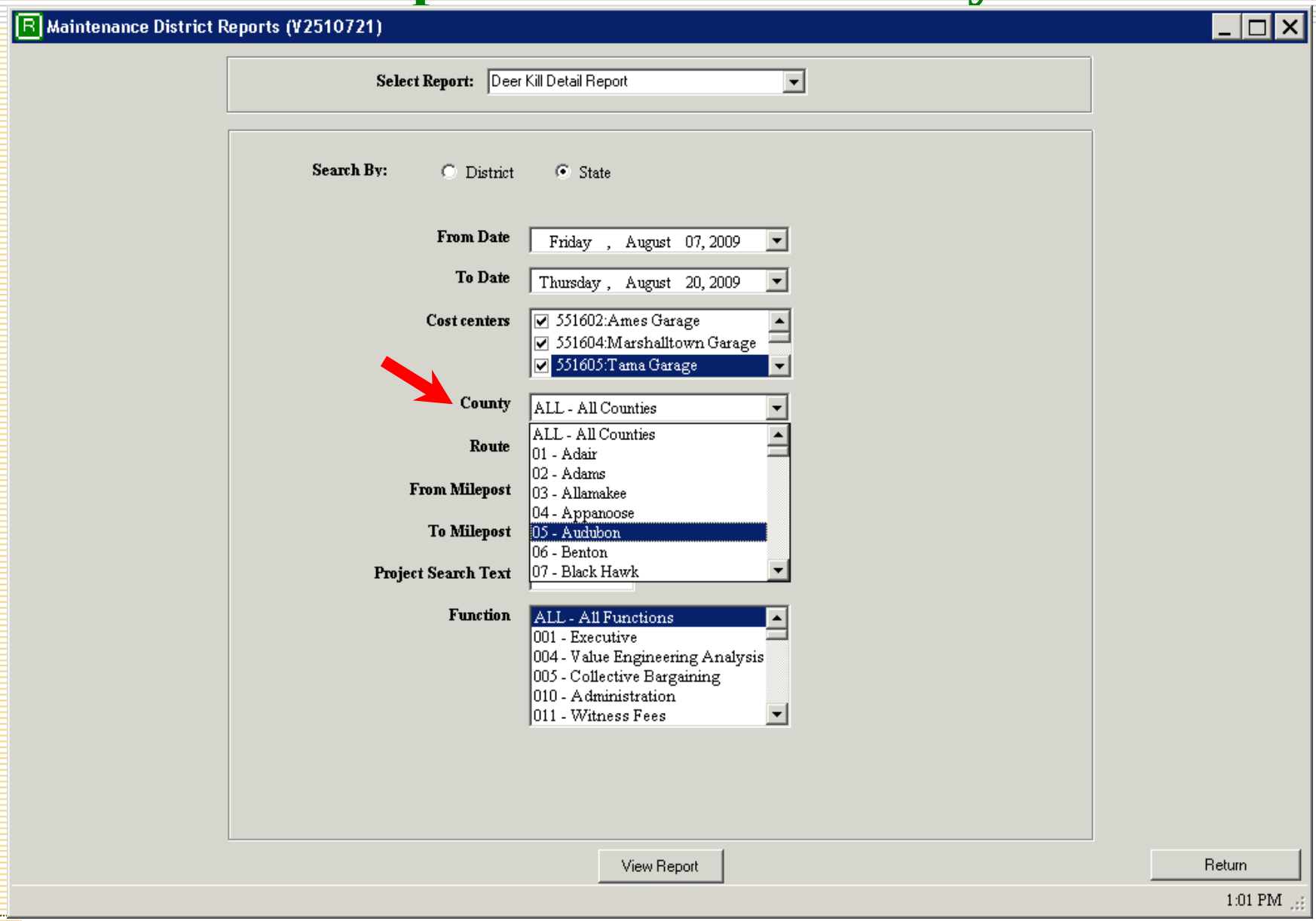
Reports – Select Cost Centers



Reports – Select Cost Centers



Reports – Select County



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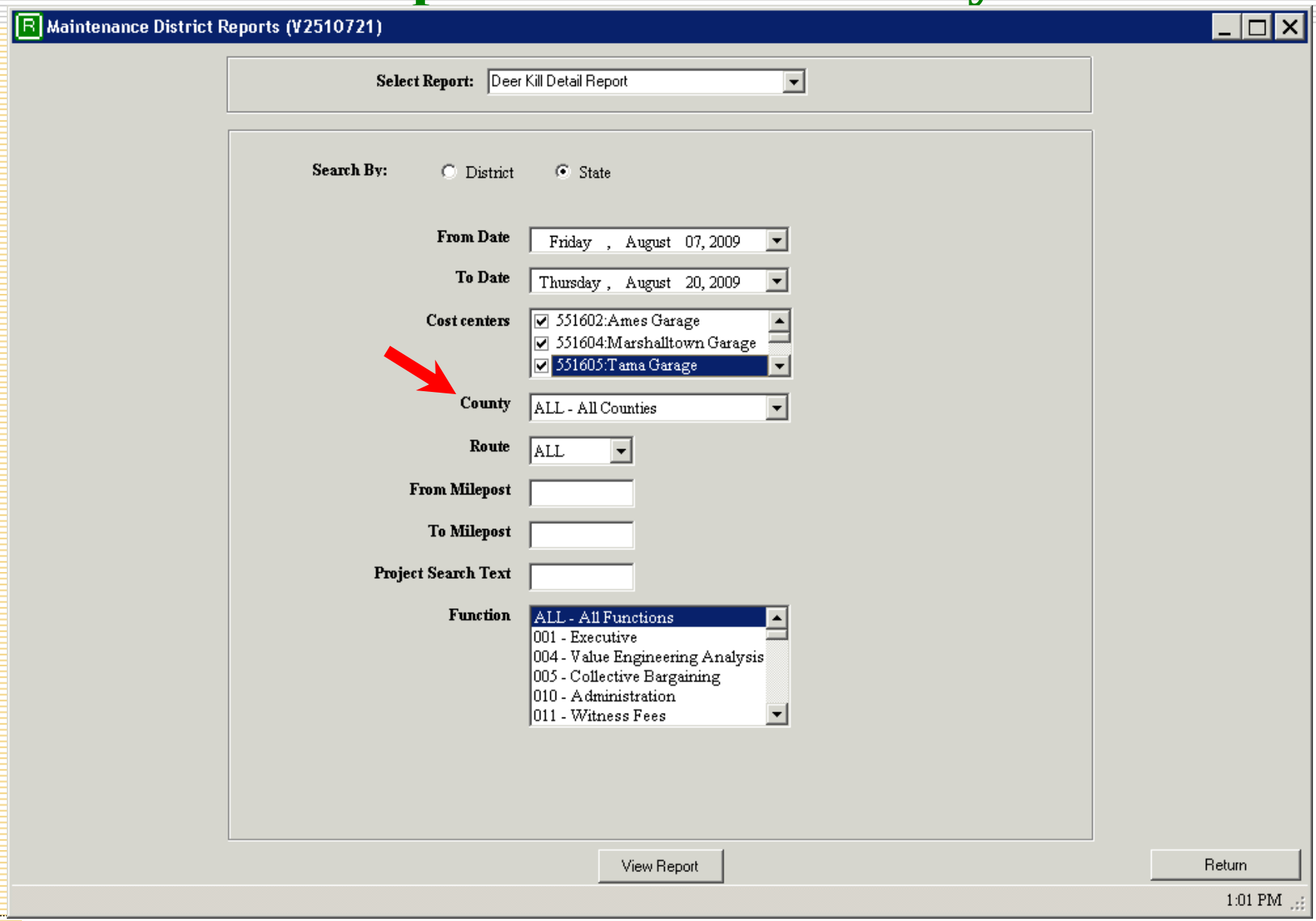
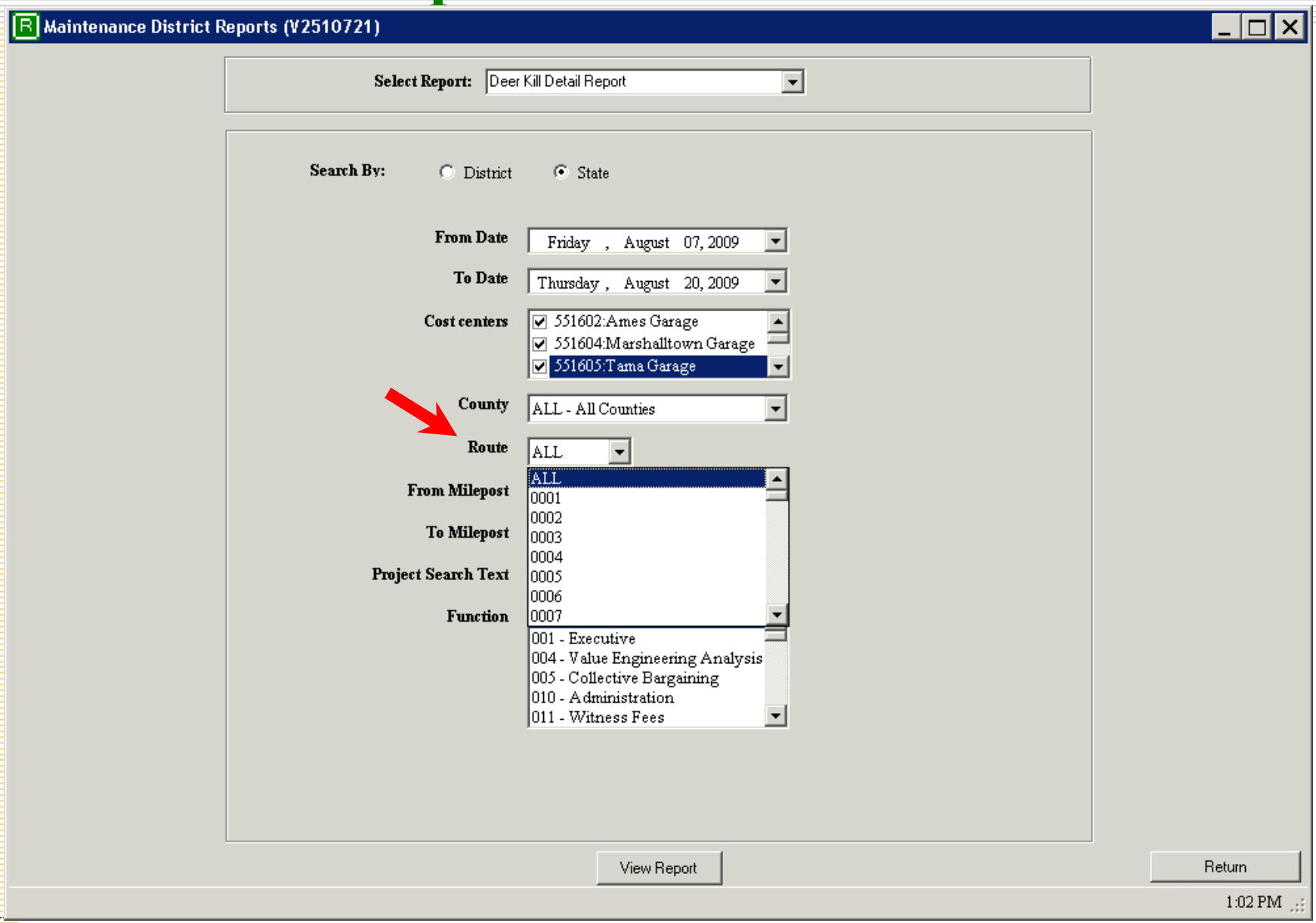


Reports – Select Route



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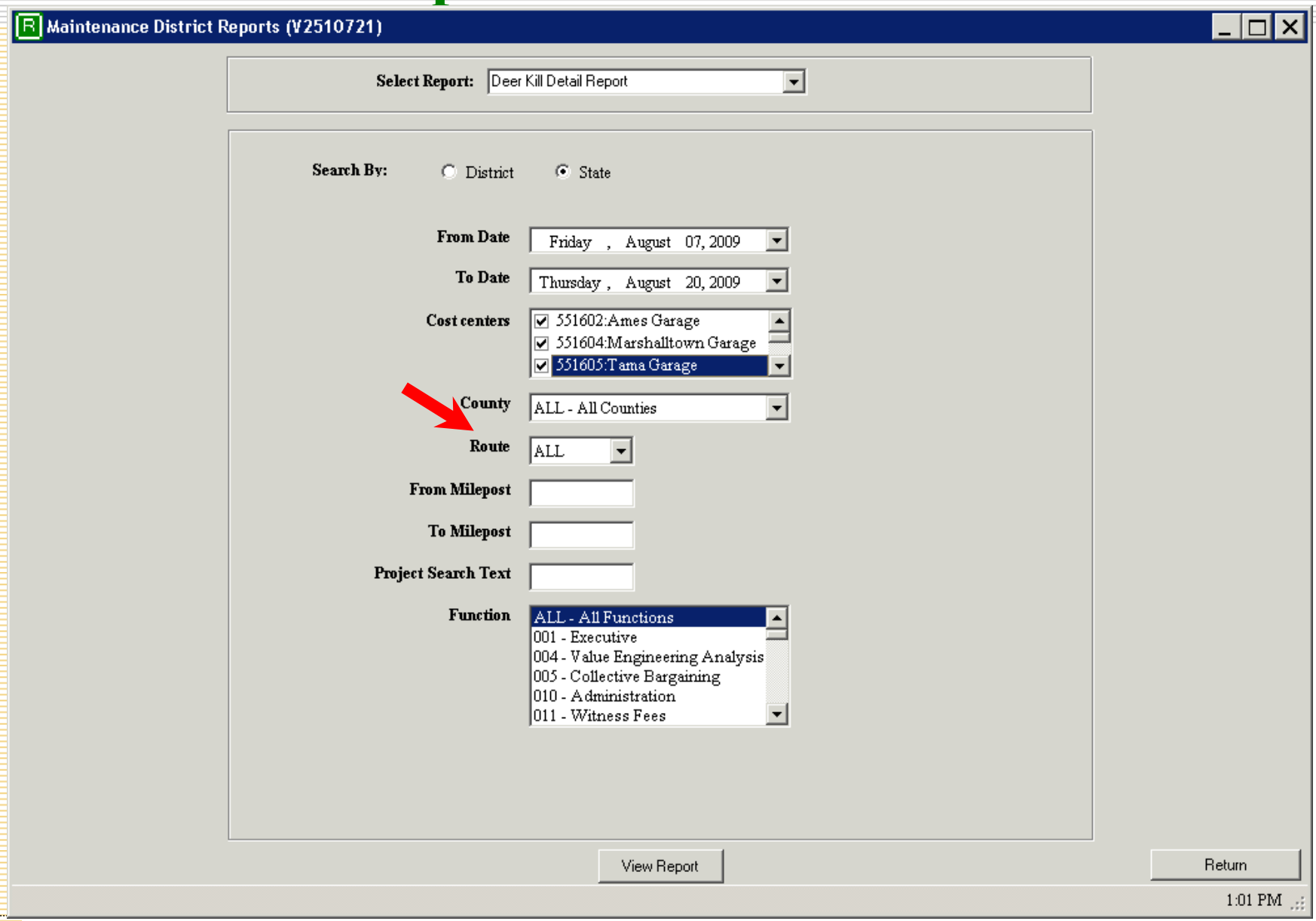

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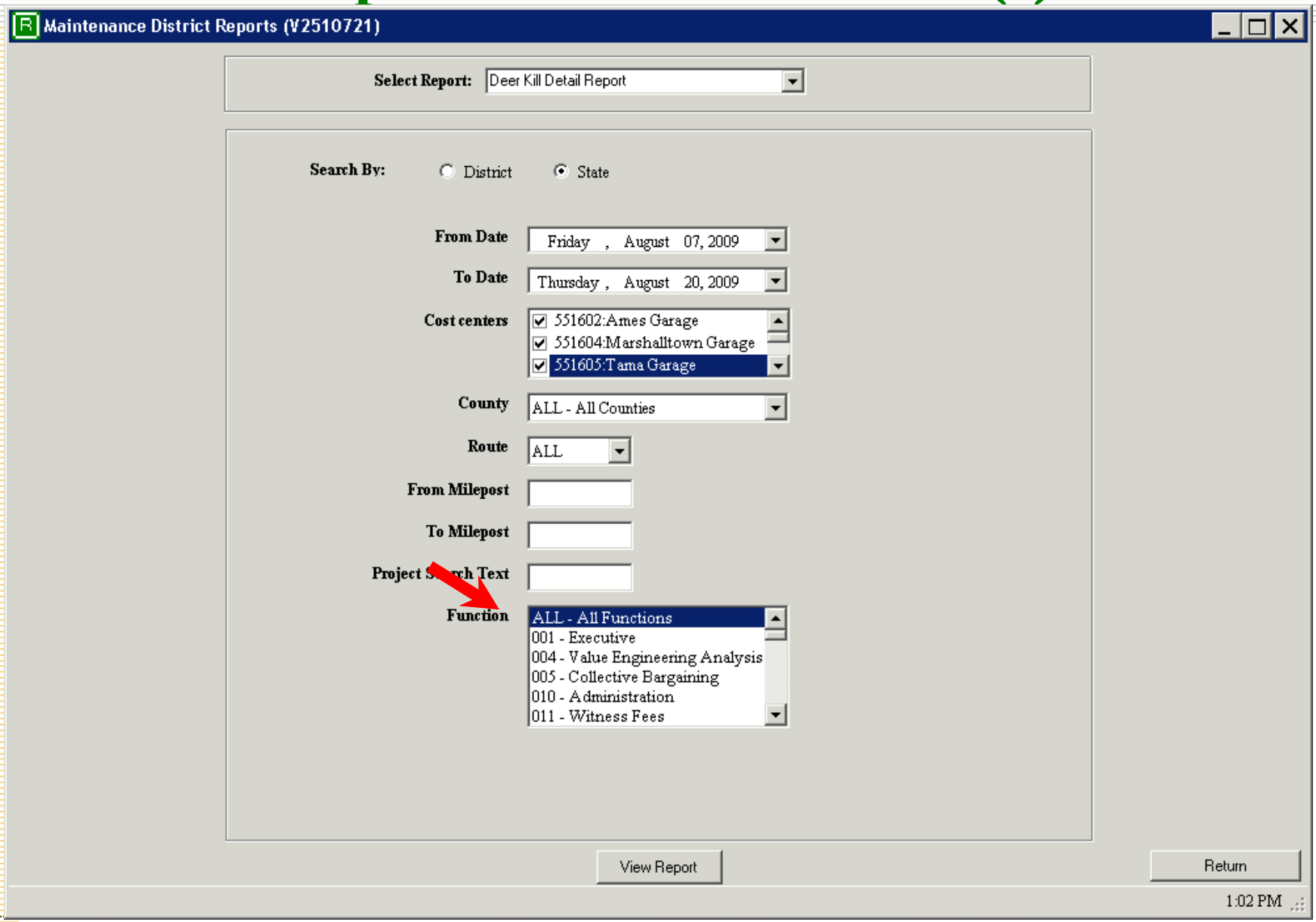

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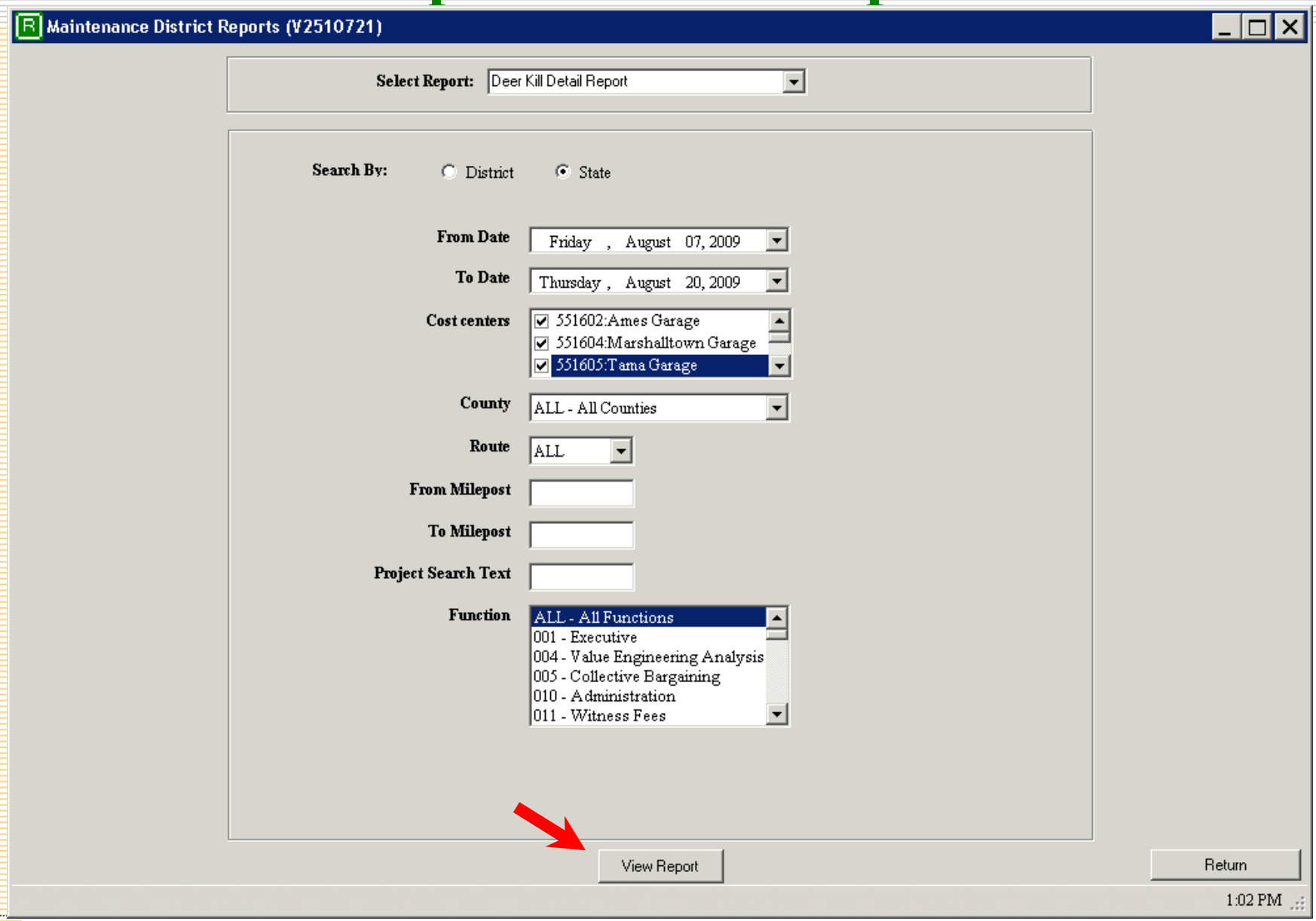

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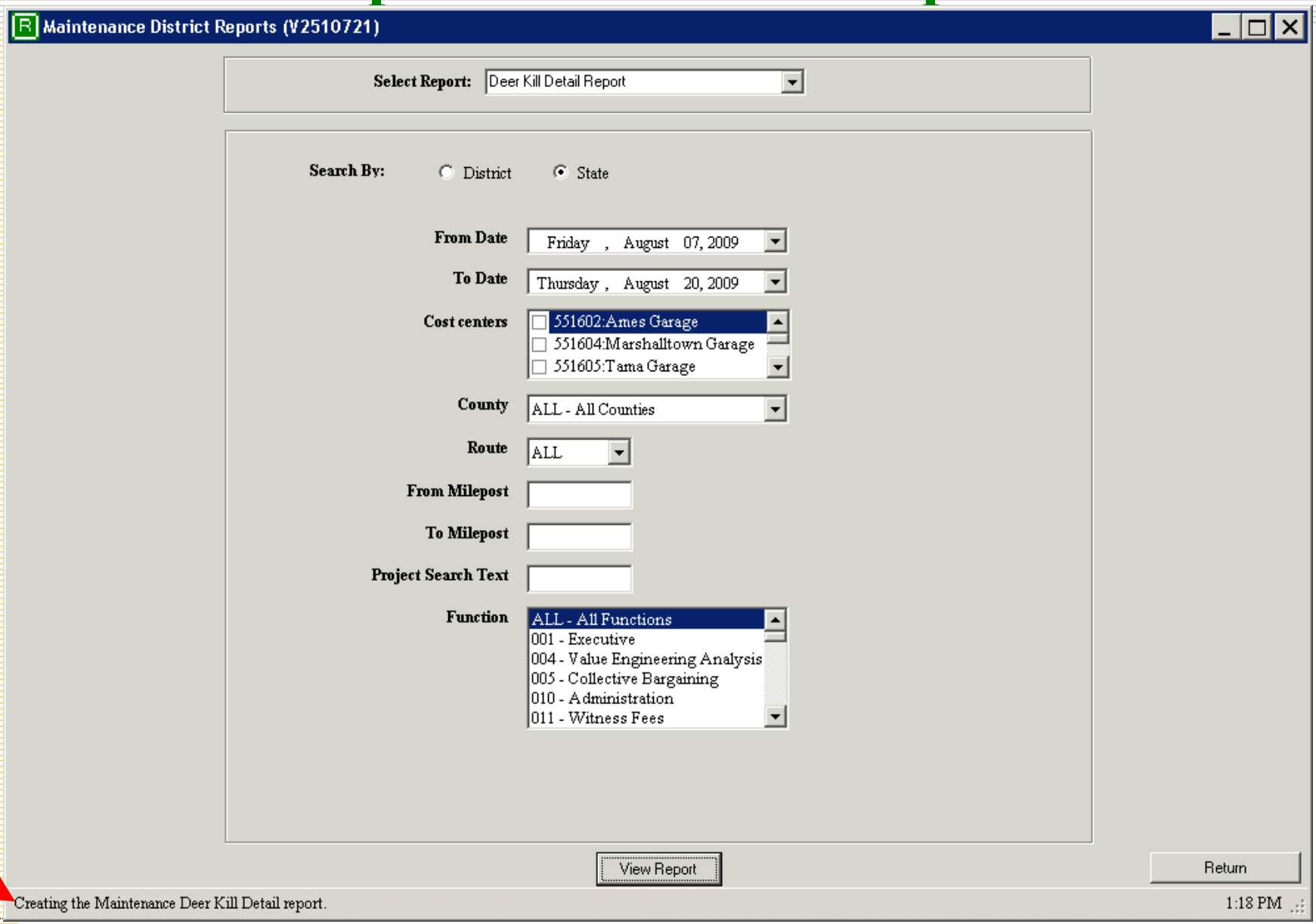
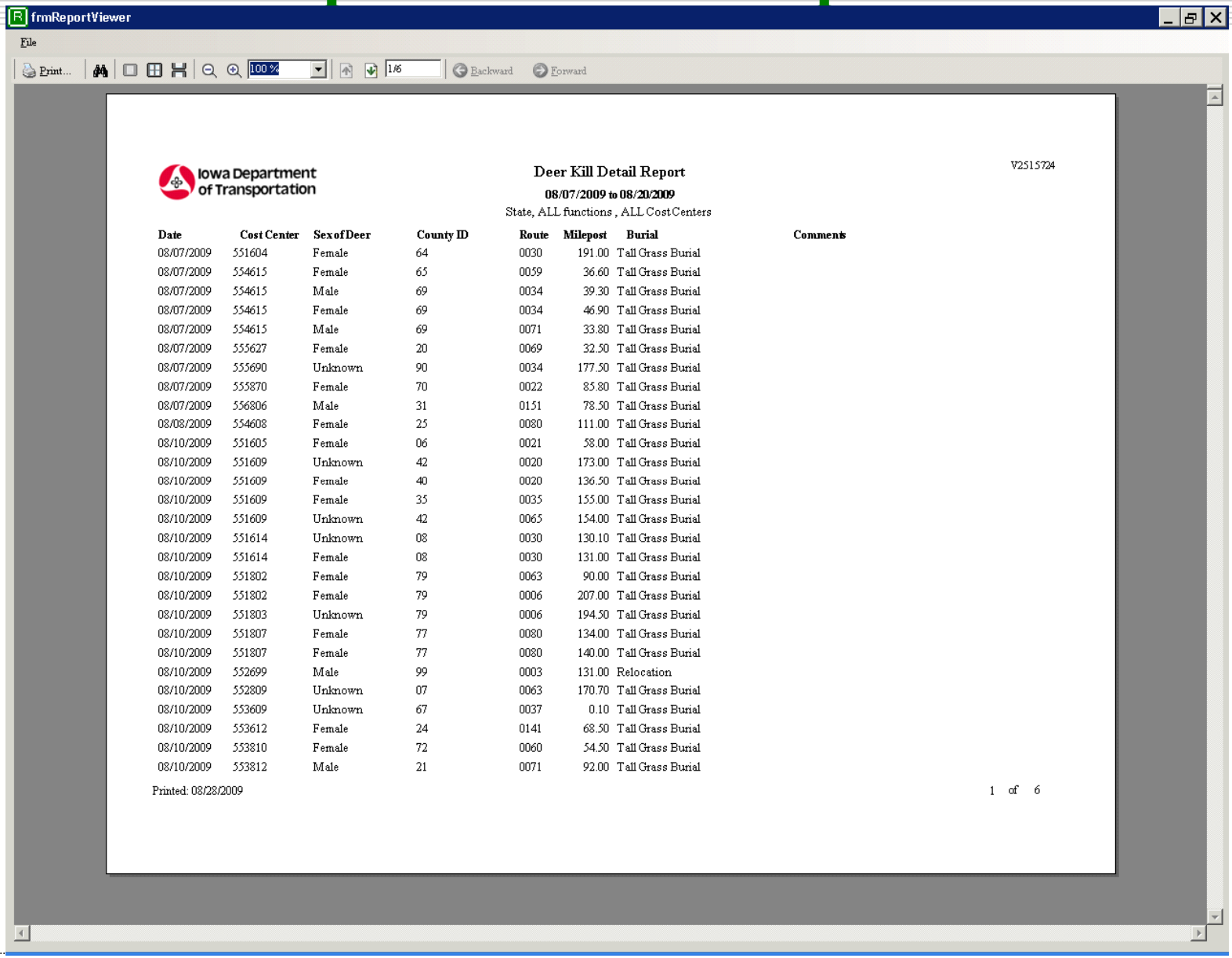


Reports – Active Report



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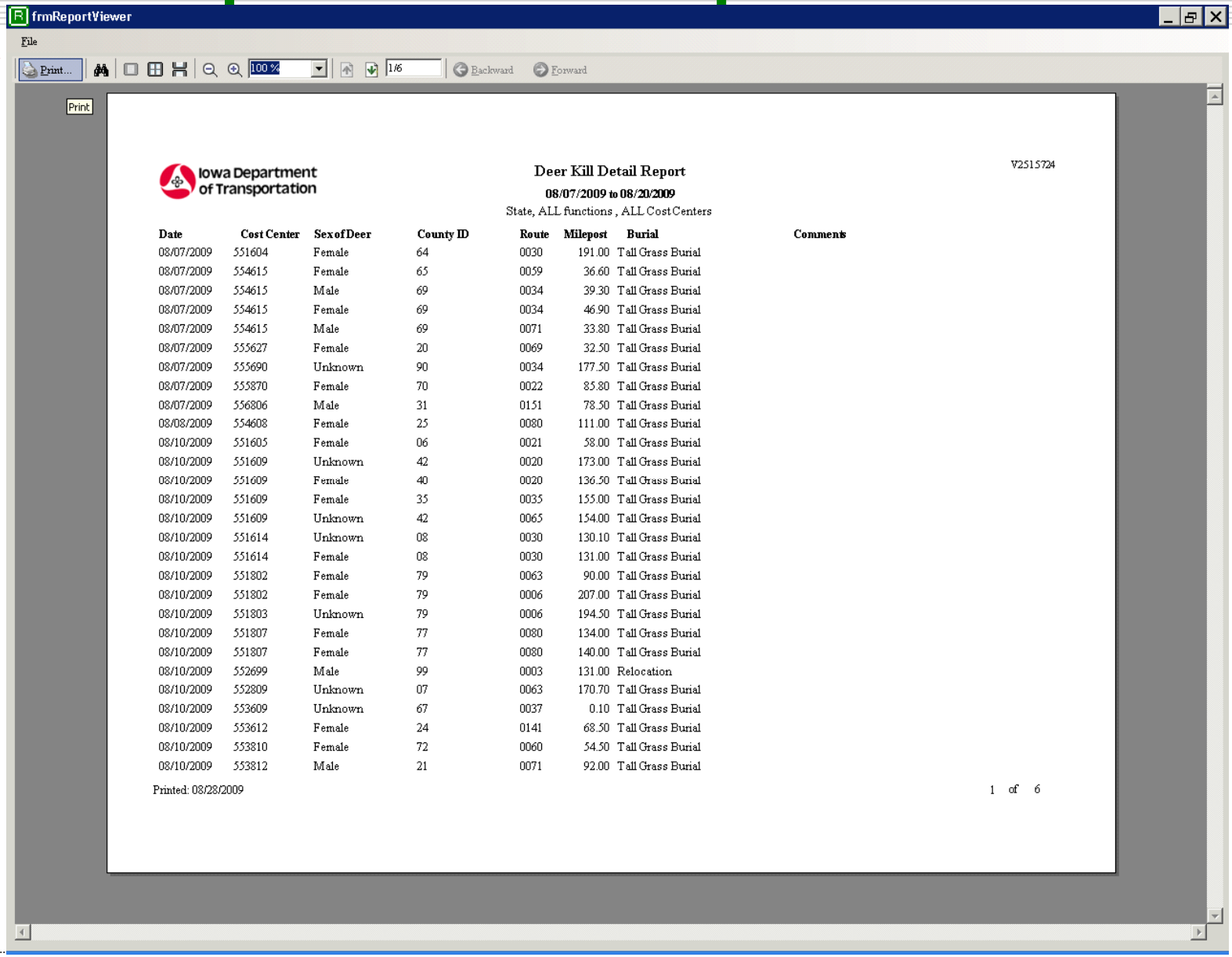

Iowa Department of Transportation

V2515724

Deer Kill Detail Report

08/07/2009 to 08/20/2009

State, ALL functions , ALL Cost Centers

Date	Cost Center	Sex of Deer	County ID	Route	Milepost	Burial	Comments
08/07/2009	551604	Female	64	0030	191.00	Tall Grass Burial	
08/07/2009	554615	Female	65	0059	36.60	Tall Grass Burial	
08/07/2009	554615	Male	69	0034	39.30	Tall Grass Burial	
08/07/2009	554615	Female	69	0034	46.90	Tall Grass Burial	
08/07/2009	554615	Male	69	0071	33.80	Tall Grass Burial	
08/07/2009	555627	Female	20	0069	32.50	Tall Grass Burial	
08/07/2009	555690	Unknown	90	0034	177.50	Tall Grass Burial	
08/07/2009	555870	Female	70	0022	85.80	Tall Grass Burial	
08/07/2009	556806	Male	31	0151	78.50	Tall Grass Burial	
08/08/2009	554608	Female	25	0080	111.00	Tall Grass Burial	
08/10/2009	551605	Female	06	0021	58.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0020	173.00	Tall Grass Burial	
08/10/2009	551609	Female	40	0020	136.50	Tall Grass Burial	
08/10/2009	551609	Female	35	0035	155.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0065	154.00	Tall Grass Burial	
08/10/2009	551614	Unknown	08	0030	130.10	Tall Grass Burial	
08/10/2009	551614	Female	08	0030	131.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0063	90.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0006	207.00	Tall Grass Burial	
08/10/2009	551803	Unknown	79	0006	194.50	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	134.00	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	140.00	Tall Grass Burial	
08/10/2009	552699	Male	99	0003	131.00	Relocation	
08/10/2009	552809	Unknown	07	0063	170.70	Tall Grass Burial	
08/10/2009	553609	Unknown	67	0037	0.10	Tall Grass Burial	
08/10/2009	553612	Female	24	0141	68.50	Tall Grass Burial	
08/10/2009	553810	Female	72	0060	54.50	Tall Grass Burial	
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Printed: 08/28/2009

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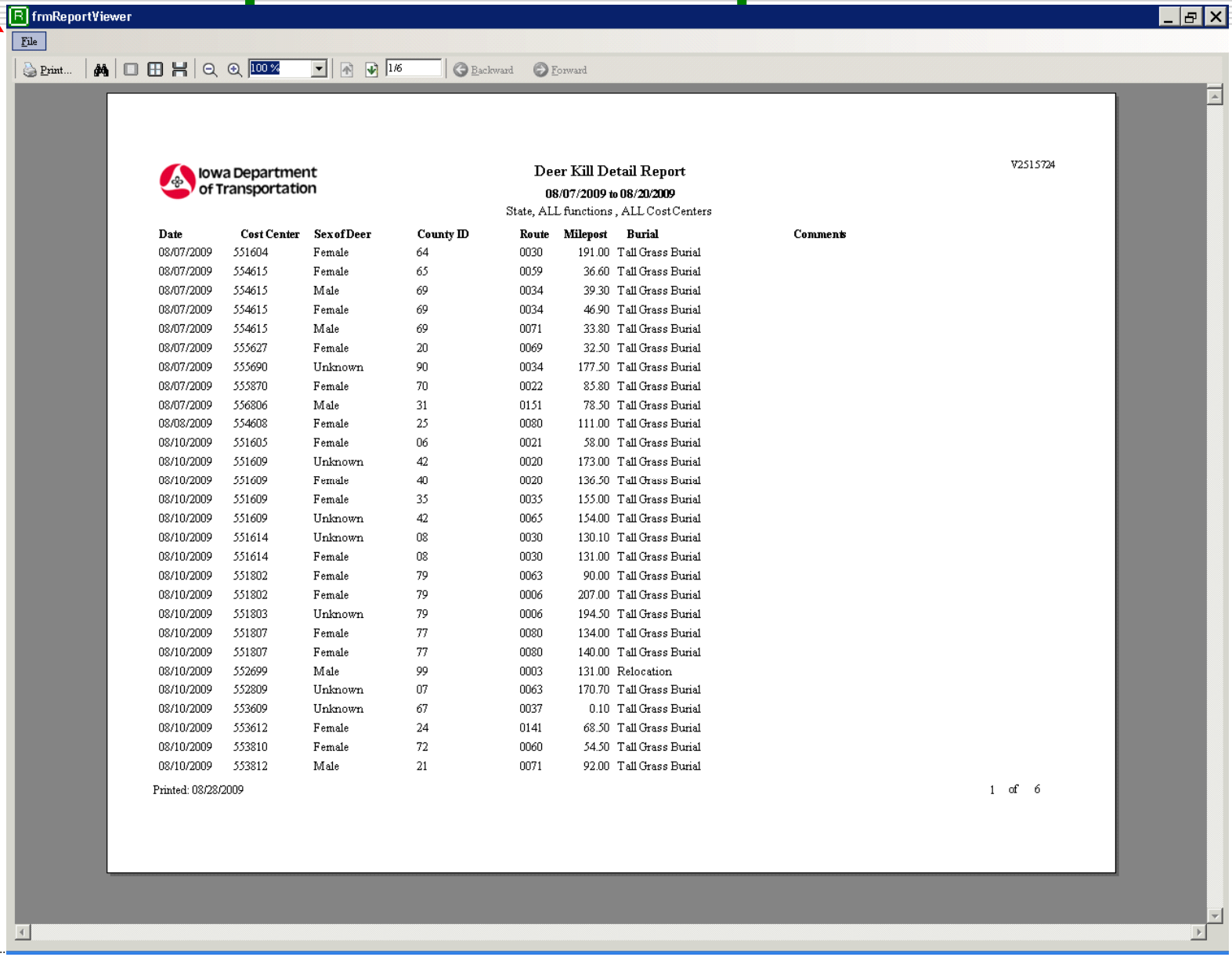
Reports – Active Report - File



Iowa Department of Transportation

V2515724

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State, ALL functions , ALL Cost Centers

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08/07/2009	554615	Male	69	0071	33.80	Tall Grass Burial	
08/07/2009	555627	Female	20	0069	32.50	Tall Grass Burial	
08/07/2009	555690	Unknown	90	0034	177.50	Tall Grass Burial	
08/07/2009	555870	Female	70	0022	85.80	Tall Grass Burial	
08/07/2009	556806	Male	31	0151	78.50	Tall Grass Burial	
08/08/2009	554608	Female	25	0080	111.00	Tall Grass Burial	
08/10/2009	551605	Female	06	0021	58.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0020	173.00	Tall Grass Burial	
08/10/2009	551609	Female	40	0020	136.50	Tall Grass Burial	
08/10/2009	551609	Female	35	0035	155.00	Tall Grass Burial	
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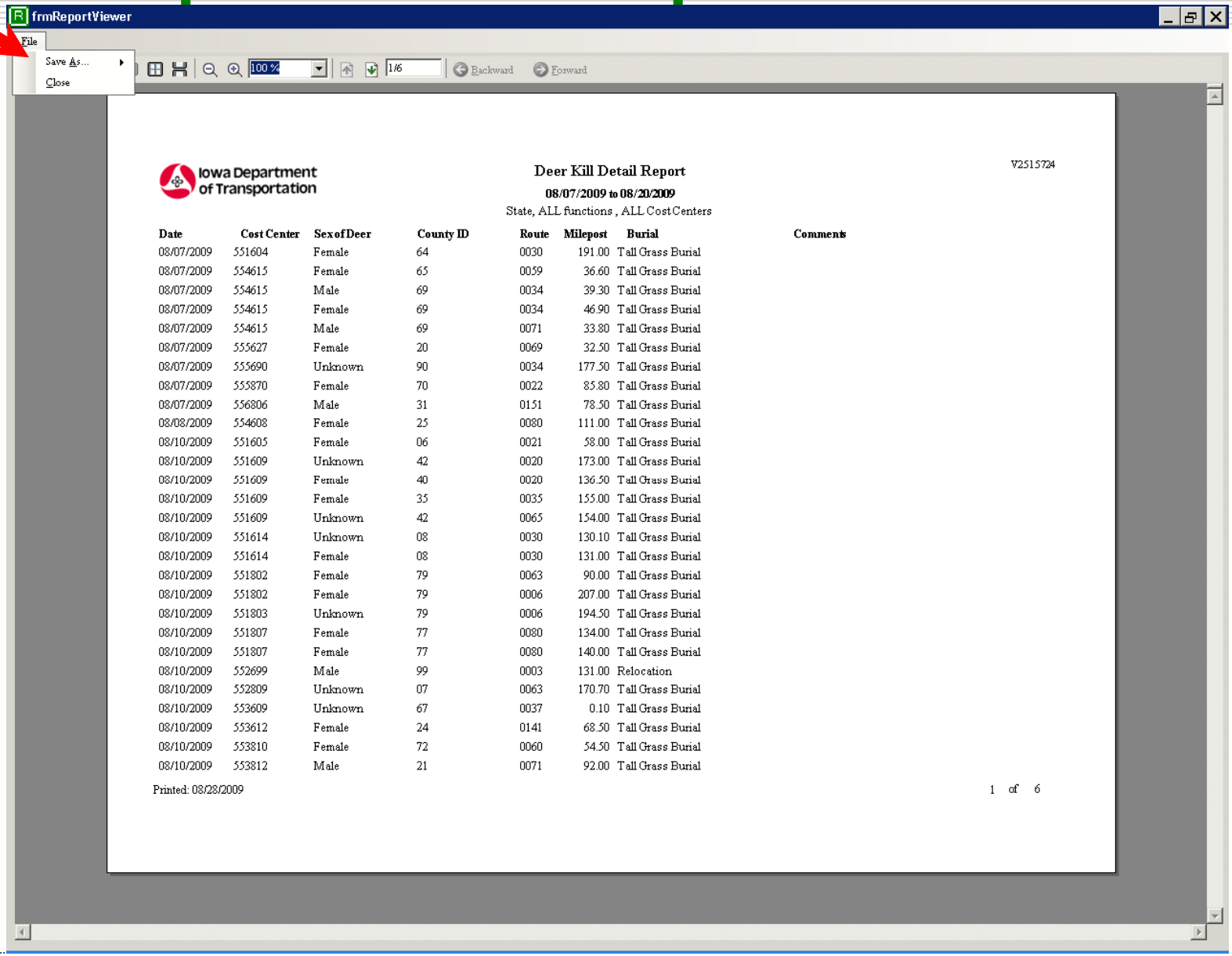
08/10/2009	551614	Unknown	08	0030	130.10	Tall Grass Burial	
08/10/2009	551614	Female	08	0030	131.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0063	90.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0006	207.00	Tall Grass Burial	
08/10/2009	551803	Unknown	79	0006	194.50	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	134.00	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	140.00	Tall Grass Burial	
08/10/2009	552699	Male	99	0003	131.00	Relocation	
08/10/2009	552809	Unknown	07	0063	170.70	Tall Grass Burial	
08/10/2009	553609	Unknown	67	0037	0.10	Tall Grass Burial	
08/10/2009	553612	Female	24	0141	68.50	Tall Grass Burial	
08/10/2009	553810	Female	72	0060	54.50	Tall Grass Burial	
08/10/2009	553812	Male	21	0071	92.00	Tall Grass Burial	

Printed: 08/28/2009

Reports – Active Report – Save As



Iowa Department of Transportation

V2515724

Deer Kill Detail Report

08/07/2009 to 08/20/2009

State, ALL functions , ALL Cost Centers

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08/07/2009	555627	Female	20	0069	32.50	Tall Grass Burial	
08/07/2009	555690	Unknown	90	0034	177.50	Tall Grass Burial	
08/07/2009	555870	Female	70	0022	85.80	Tall Grass Burial	
08/07/2009	556806	Male	31	0151	78.50	Tall Grass Burial	
08/08/2009	554608	Female	25	0080	111.00	Tall Grass Burial	
08/10/2009	551605	Female	06	0021	58.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0020	173.00	Tall Grass Burial	
08/10/2009	551609	Female	40	0020	136.50	Tall Grass Burial	
08/10/2009	551609	Female	35	0035	155.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0065	154.00	Tall Grass Burial	
08/10/2009	551614	Unknown	08	0030	130.10	Tall Grass Burial	
08/10/2009	551614	Female	08	0030	131.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0063	90.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0006	207.00	Tall Grass Burial	
08/10/2009	551803	Unknown	79	0006	194.50	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	134.00	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	140.00	Tall Grass Burial	
08/10/2009	552699	Male	99	0003	131.00	Relocation	
08/10/2009	552809	Unknown	07	0063	170.70	Tall Grass Burial	
08/10/2009	553609	Unknown	67	0037	0.10	Tall Grass Burial	
08/10/2009	553612	Female	24	0141	68.50	Tall Grass Burial	
08/10/2009	553810	Female	72	0060	54.50	Tall Grass Burial	
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Printed: 08/28/2009

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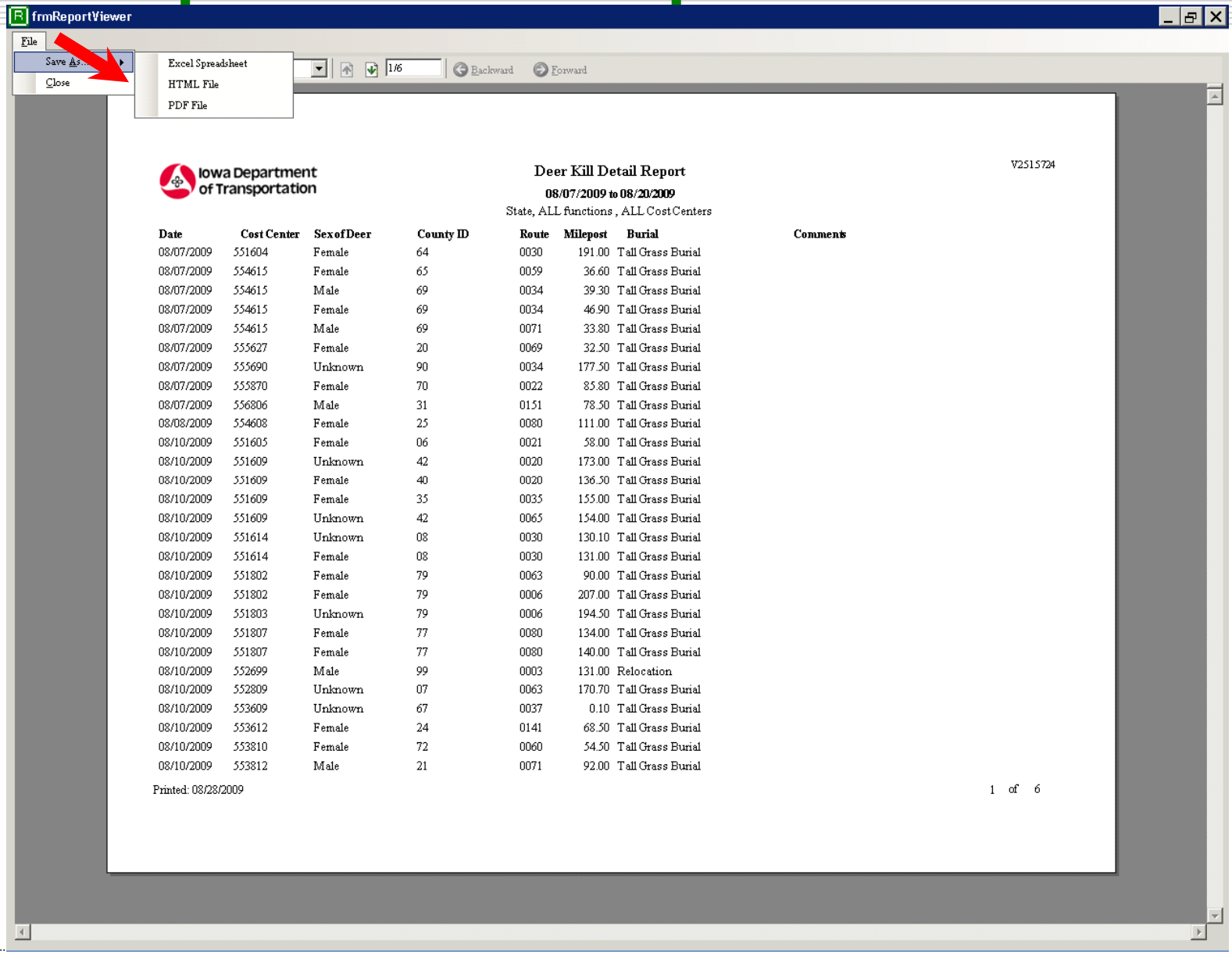
Reports – Active Report – Save As



Iowa Department of Transportation

V2515724

Deer Kill Detail Report

08/07/2009 to 08/20/2009

State, ALL functions , ALL Cost Centers

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08/07/2009	554615	Female	69	0034	46.90	Tall Grass Burial	
08/07/2009	554615	Male	69	0071	33.80	Tall Grass Burial	
08/07/2009	555627	Female	20	0069	32.50	Tall Grass Burial	
08/07/2009	555690	Unknown	90	0034	177.50	Tall Grass Burial	
08/07/2009	555870	Female	70	0022	85.80	Tall Grass Burial	
08/07/2009	556806	Male	31	0151	78.50	Tall Grass Burial	
08/08/2009	554608	Female	25	0080	111.00	Tall Grass Burial	
08/10/2009	551605	Female	06	0021	58.00	Tall Grass Burial	
08/10/2009	551609	Unknown	42	0020	173.00	Tall Grass Burial	
08/10/2009	551609	Female	40	0020	136.50	Tall Grass Burial	
08/10/2009	551609	Female	35	0035	155.00	Tall Grass Burial	
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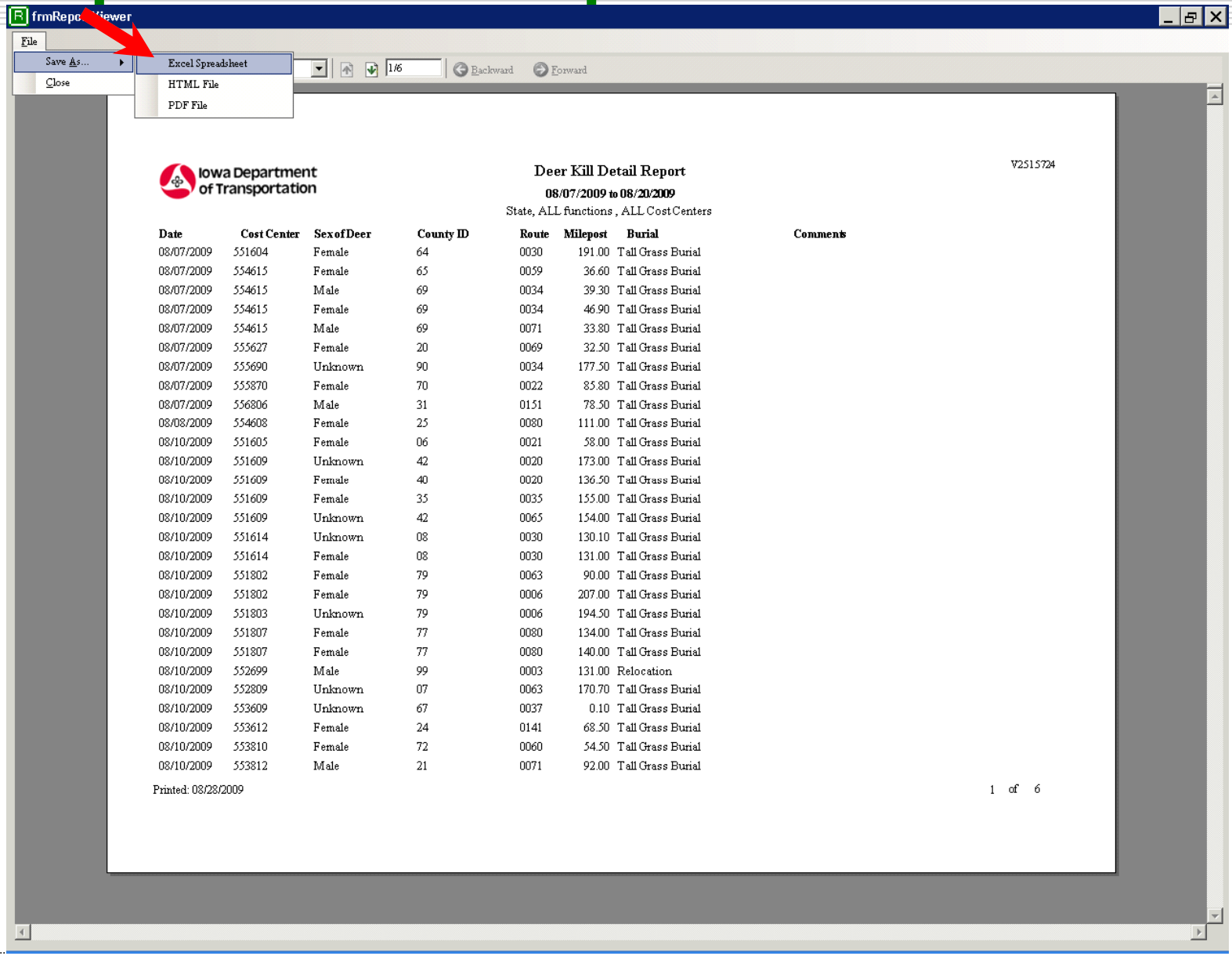
08/10/2009	551802	Female	79	0063	90.00	Tall Grass Burial	
08/10/2009	551802	Female	79	0006	207.00	Tall Grass Burial	
08/10/2009	551803	Unknown	79	0006	194.50	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	134.00	Tall Grass Burial	
08/10/2009	551807	Female	77	0080	140.00	Tall Grass Burial	
08/10/2009	552699	Male	99	0003	131.00	Relocation	
08/10/2009	552809	Unknown	07	0063	170.70	Tall Grass Burial	
08/10/2009	553609	Unknown	67	0037	0.10	Tall Grass Burial	
08/10/2009	553612	Female	24	0141	68.50	Tall Grass Burial	
08/10/2009	553810	Female	72	0060	54.50	Tall Grass Burial	
08/10/2009	553812	Male	21	0071	92.00	Tall Grass Burial	

Printed: 08/28/2009

1 of 6

Reports – Active Report – Save As Excel



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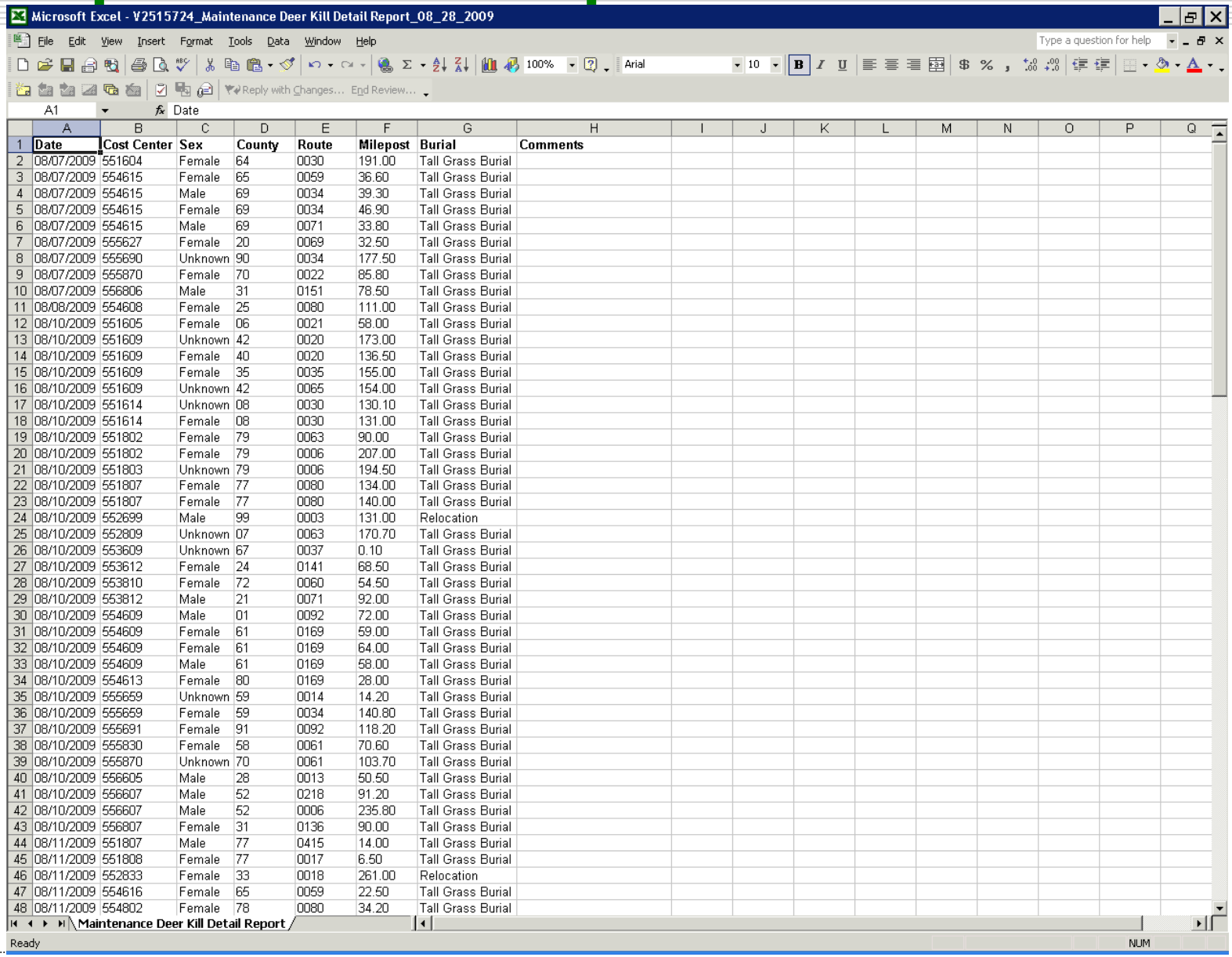

	A	B	C	D	E	F	G	H
1	Date	Cost Center	Sex	County	Route	Milepost	Burial	Comments
2	08/07/2009	551604	Female	64	0030	191.00	Tall Grass Burial	
3	08/07/2009	554615	Female	65	0059	36.60	Tall Grass Burial	
4	08/07/2009	554615	Male	69	0034	39.30	Tall Grass Burial	
5	08/07/2009	554615	Female	69	0034	46.90	Tall Grass Burial	
6	08/07/2009	554615	Male	69	0071	33.80	Tall Grass Burial	
7	08/07/2009	555627	Female	20	0069	32.50	Tall Grass Burial	
8	08/07/2009	555690	Unknown	90	0034	177.50	Tall Grass Burial	
9	08/07/2009	555870	Female	70	0022	85.80	Tall Grass Burial	
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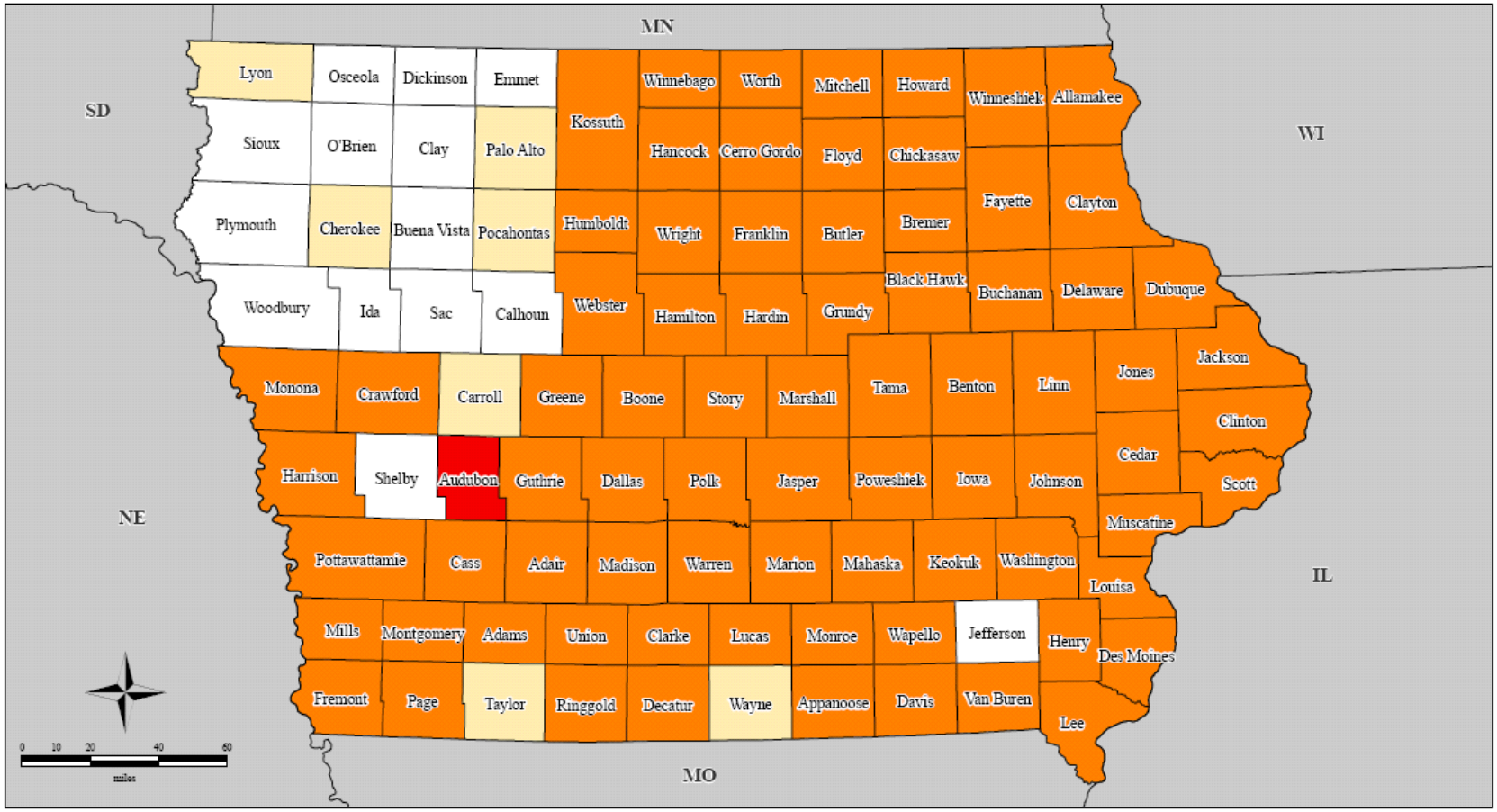
11	08/08/2009	554608	Female	25	0080	111.00	Tall Grass Burial	
12	08/10/2009	551605	Female	06	0021	58.00	Tall Grass Burial	
13	08/10/2009	551609	Unknown	42	0020	173.00	Tall Grass Burial	
14	08/10/2009	551609	Female	40	0020	136.50	Tall Grass Burial	
15	08/10/2009	551609	Female	35	0035	155.00	Tall Grass Burial	
16	08/10/2009	551609	Unknown	42	0065	154.00	Tall Grass Burial	
17	08/10/2009	551614	Unknown	08	0030	130.10	Tall Grass Burial	
18	08/10/2009	551614	Female	08	0030	131.00	Tall Grass Burial	
19	08/10/2009	551802	Female	79	0063	90.00	Tall Grass Burial	
20	08/10/2009	551802	Female	79	0006	207.00	Tall Grass Burial	
21	08/10/2009	551803	Unknown	79	0006	194.50	Tall Grass Burial	
22	08/10/2009	551807	Female	77	0080	134.00	Tall Grass Burial	
23	08/10/2009	551807	Female	77	0080	140.00	Tall Grass Burial	
24	08/10/2009	552699	Male	99	0003	131.00	Relocation	
25	08/10/2009	552809	Unknown	07	0063	170.70	Tall Grass Burial	
26	08/10/2009	553609	Unknown	67	0037	0.10	Tall Grass Burial	
27	08/10/2009	553612	Female	24	0141	68.50	Tall Grass Burial	
28	08/10/2009	553810	Female	72	0060	54.50	Tall Grass Burial	
29	08/10/2009	553812	Male	21	0071	92.00	Tall Grass Burial	
30	08/10/2009	554609	Male	01	0092	72.00	Tall Grass Burial	
31	08/10/2009	554609	Female	61	0169	59.00	Tall Grass Burial	
32	08/10/2009	554609	Female	61	0169	64.00	Tall Grass Burial	
33	08/10/2009	554609	Male	61	0169	58.00	Tall Grass Burial	
34	08/10/2009	554613	Female	80	0169	28.00	Tall Grass Burial	
35	08/10/2009	555659	Unknown	59	0014	14.20	Tall Grass Burial	
36	08/10/2009	555659	Female	59	0034	140.80	Tall Grass Burial	
37	08/10/2009	555691	Female	91	0092	118.20	Tall Grass Burial	
38	08/10/2009	555830	Female	58	0061	70.60	Tall Grass Burial	
39	08/10/2009	555870	Unknown	70	0061	103.70	Tall Grass Burial	
40	08/10/2009	556605	Male	28	0013	50.50	Tall Grass Burial	
41	08/10/2009	556607	Male	52	0218	91.20	Tall Grass Burial	
42	08/10/2009	556607	Male	52	0006	235.80	Tall Grass Burial	
43	08/10/2009	556807	Female	31	0136	90.00	Tall Grass Burial	
44	08/11/2009	551807	Male	77	0415	14.00	Tall Grass Burial	
45	08/11/2009	551808	Female	77	0017	6.50	Tall Grass Burial	
46	08/11/2009	552833	Female	33	0018	261.00	Relocation	
47	08/11/2009	554616	Female	65	0059	22.50	Tall Grass Burial	
48	08/11/2009	554802	Female	78	0080	34.20	Tall Grass Burial	

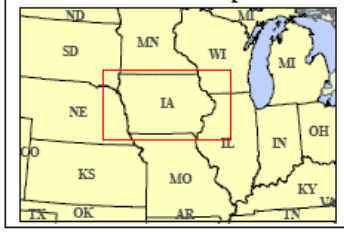
Emergency Evaluation

- Administrative ability to associate Daily Logs with an Emergency.
- Cost information retrieved for the Emergency
- Excel spreadsheets are produced for reimbursement requests.

FEMA-1763-DR, Iowa
Disaster Declaration as of 08/26/2008



Location Map



Legend

Designated Counties

- No Designation
- Public Assistance
- Individual Assistance
- Individual Assistance and Public Assistance

All counties are eligible for Hazard Mitigation

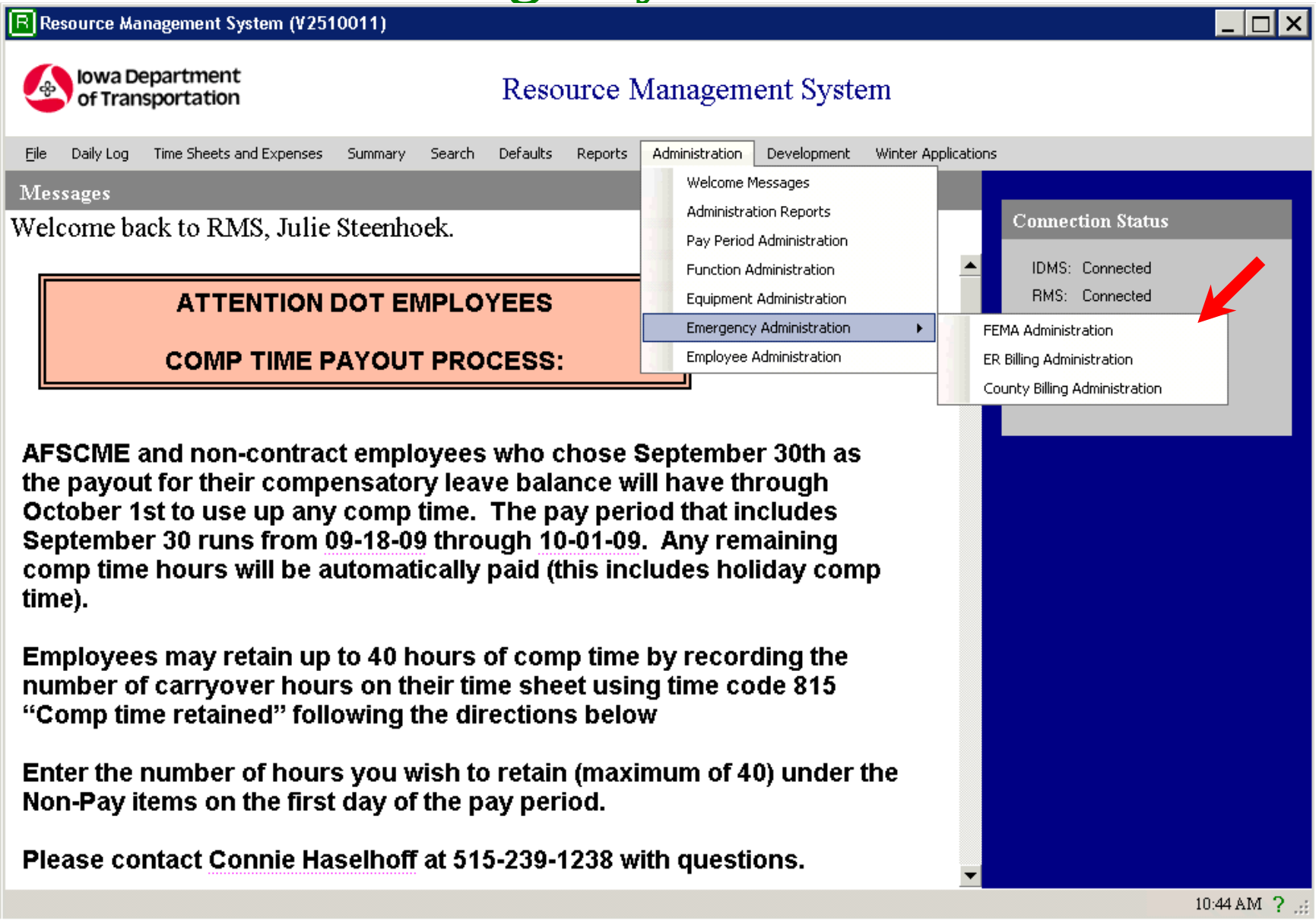
FEMA

ITS Mapping & Analysis Center
Washington, DC
08/26/08 -- 02:42 PM EDT

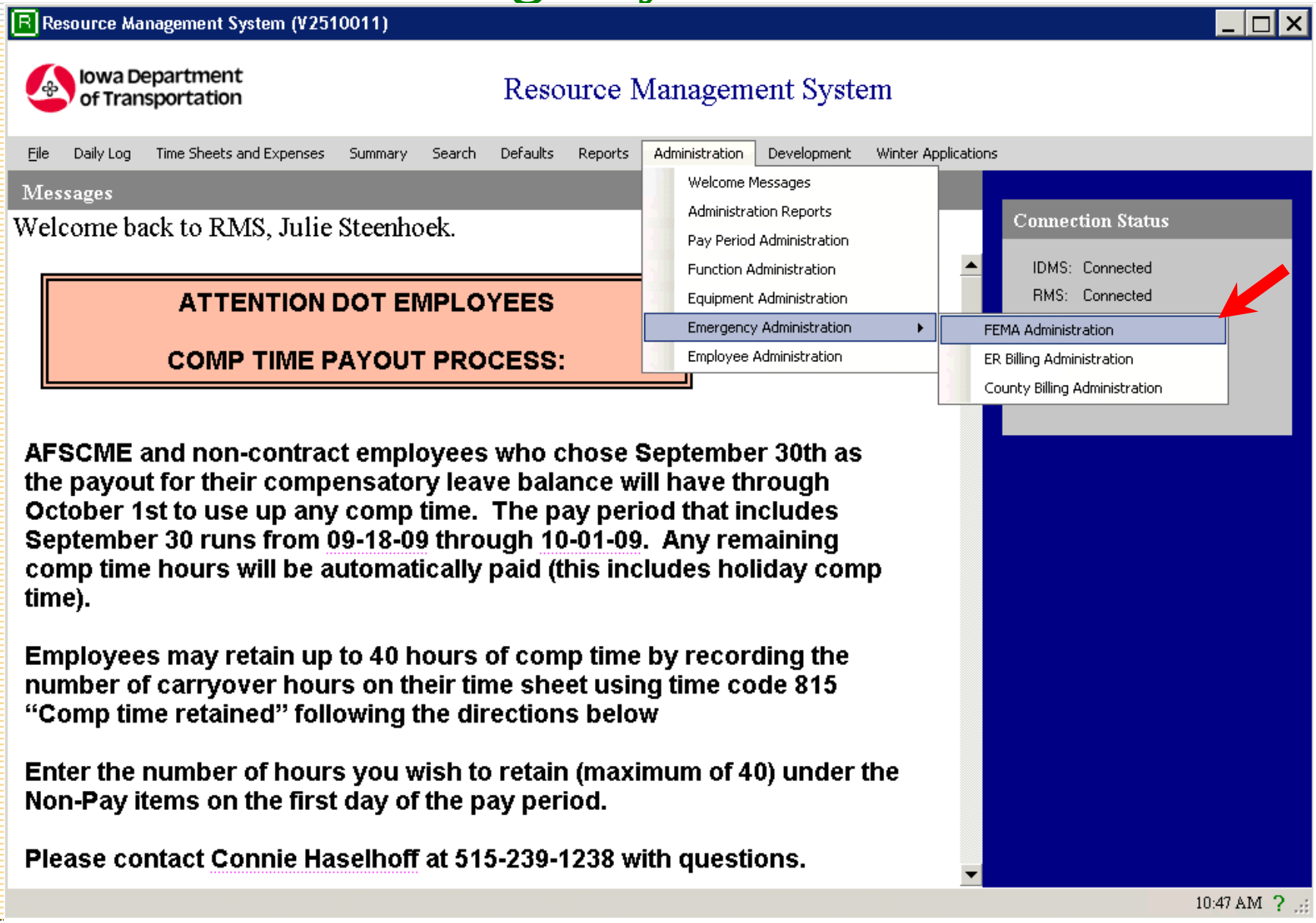
Source: Disaster Federal Registry Notice Amendment No. 19 - 08/26/2008

MapID 987c1a03e050826081436hqprod

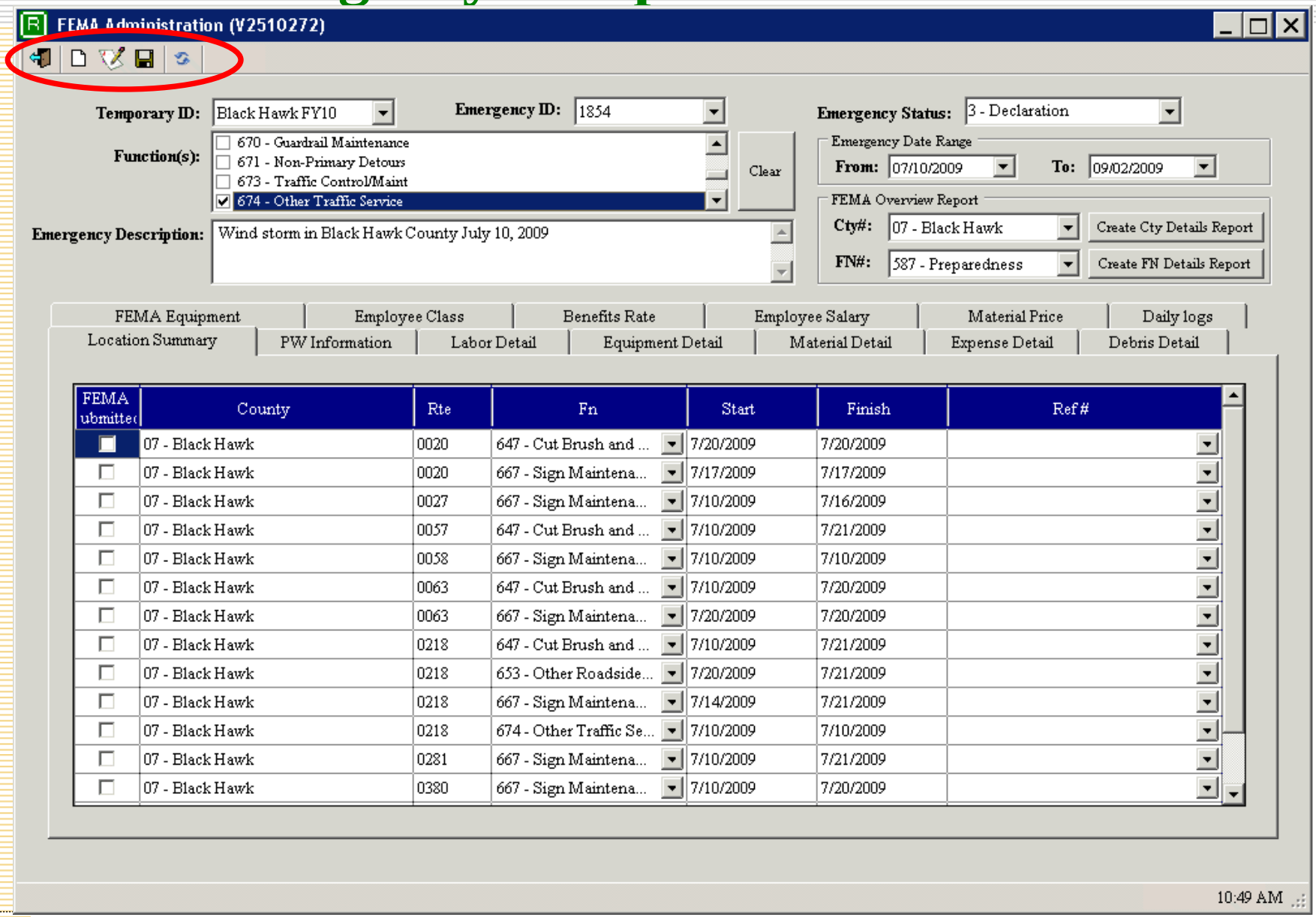
Emergency Evaluation



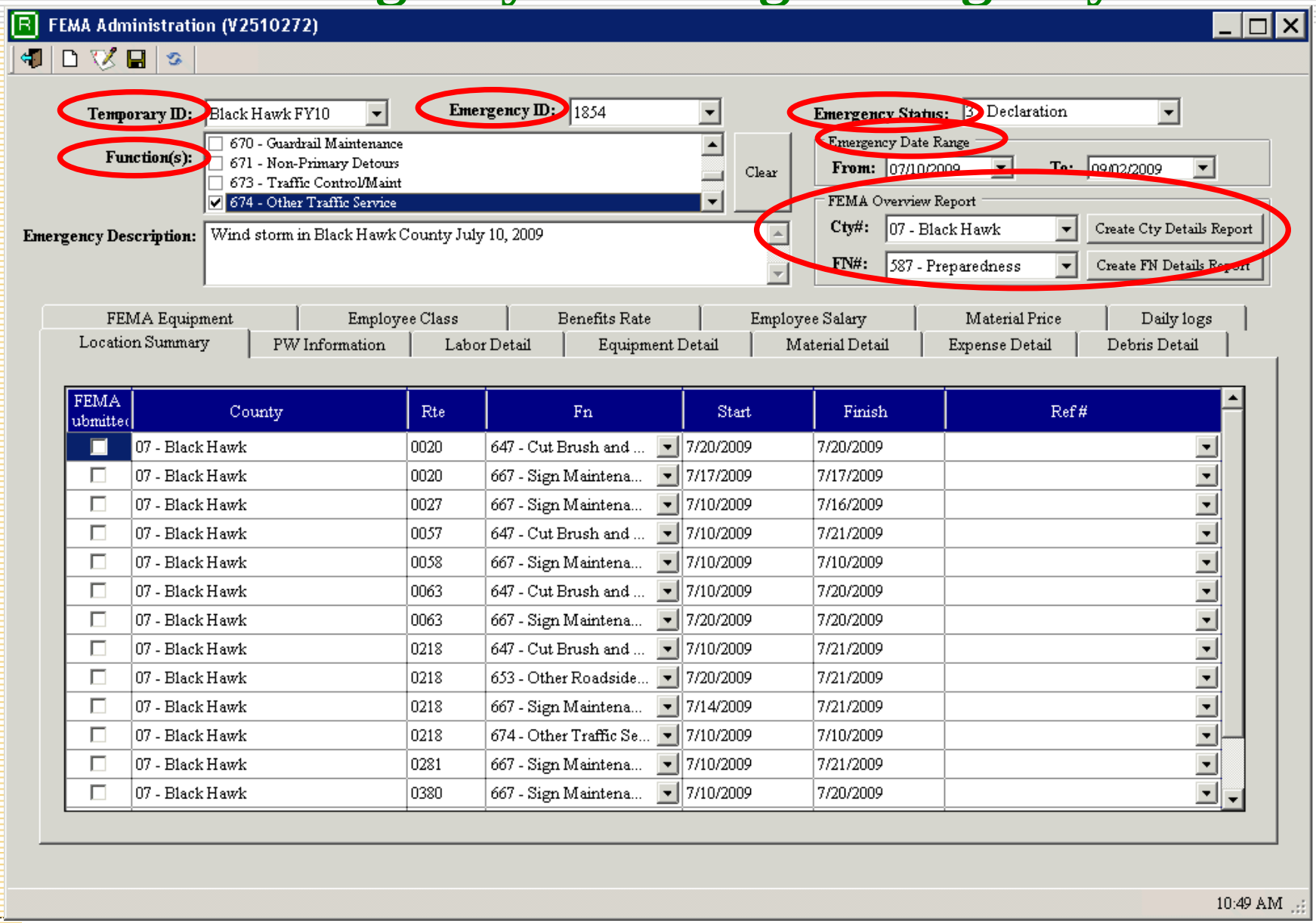
Emergency Evaluation



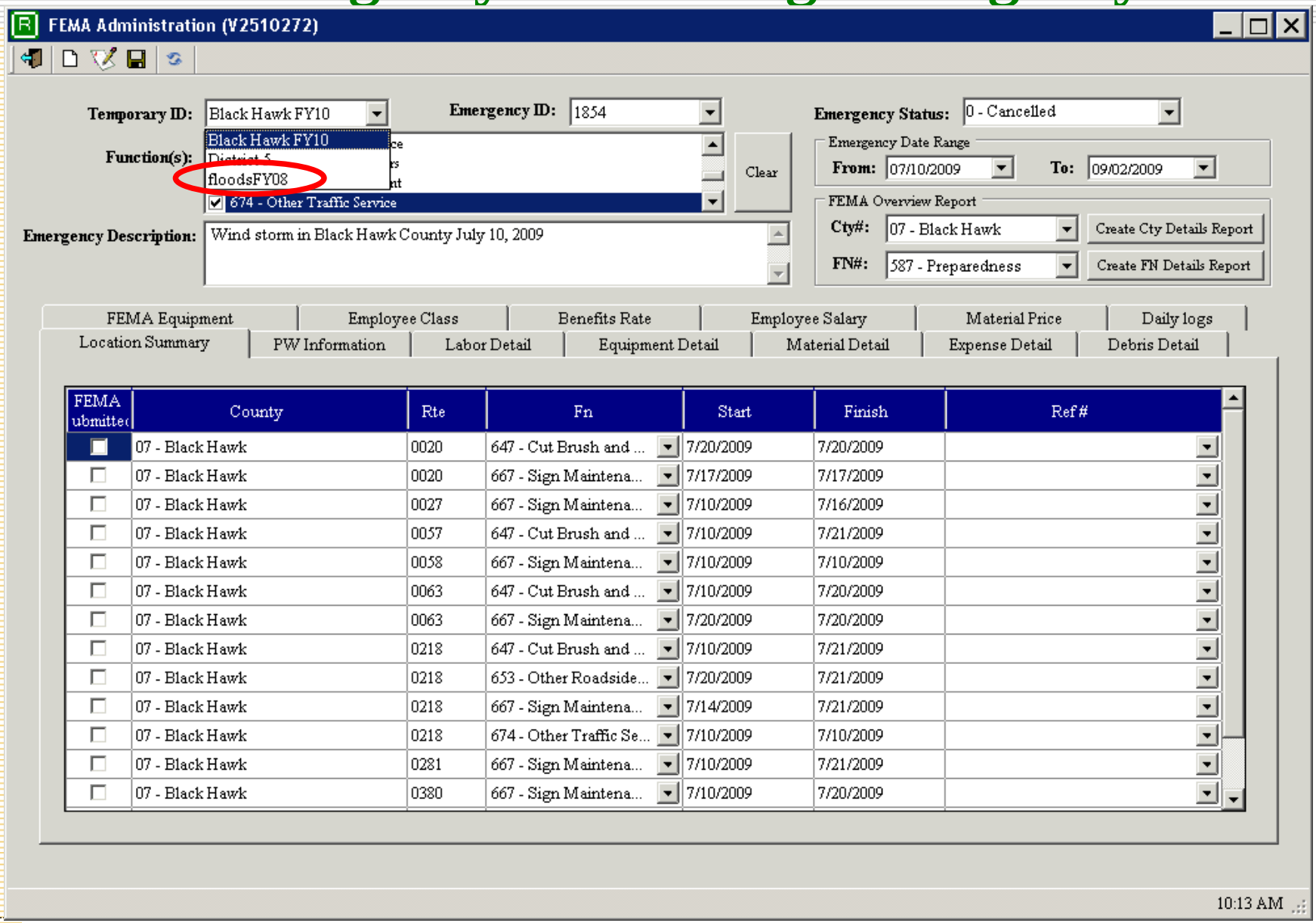
Emergency – Top Level Commands



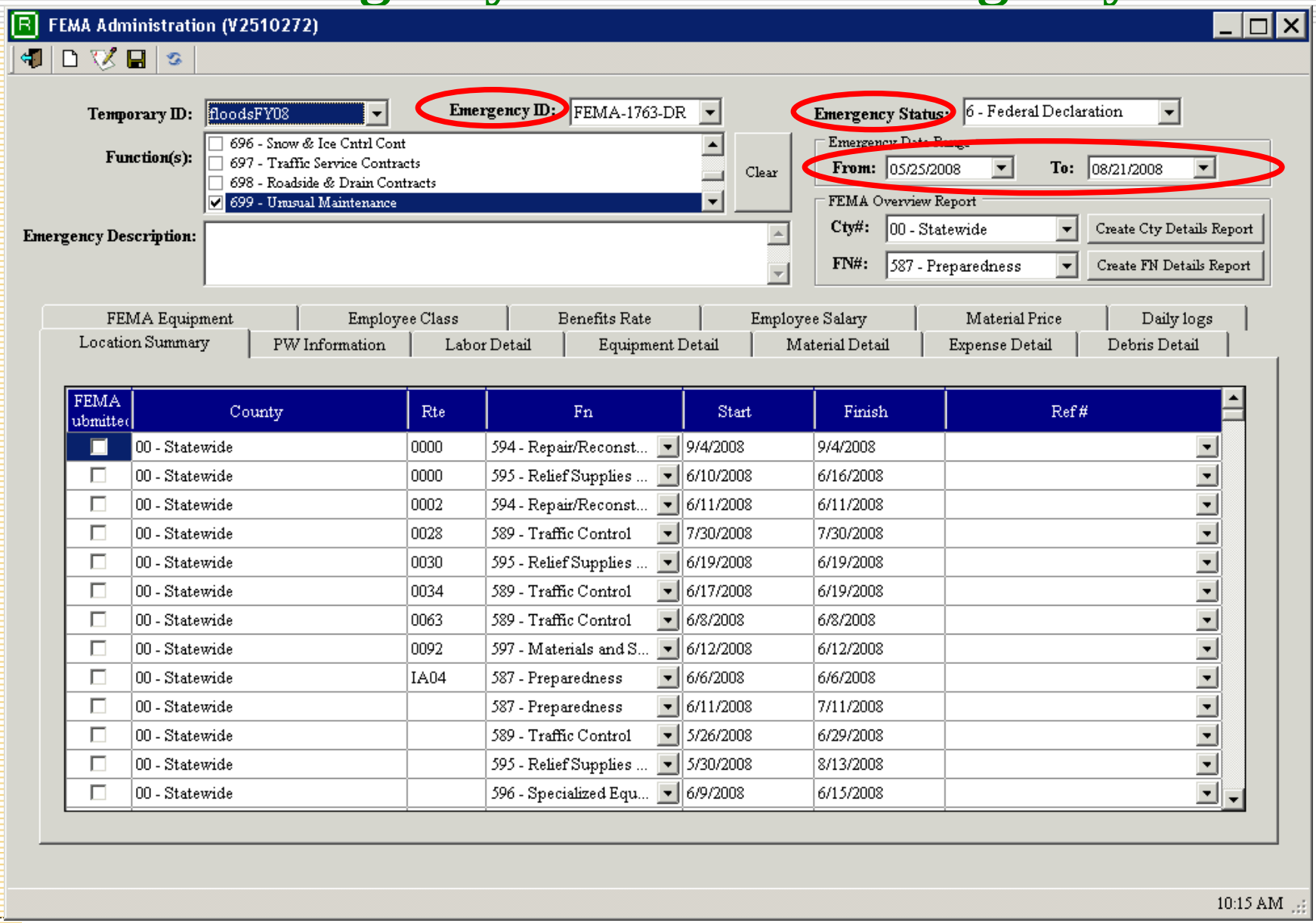
Emergency – Setting Emergency



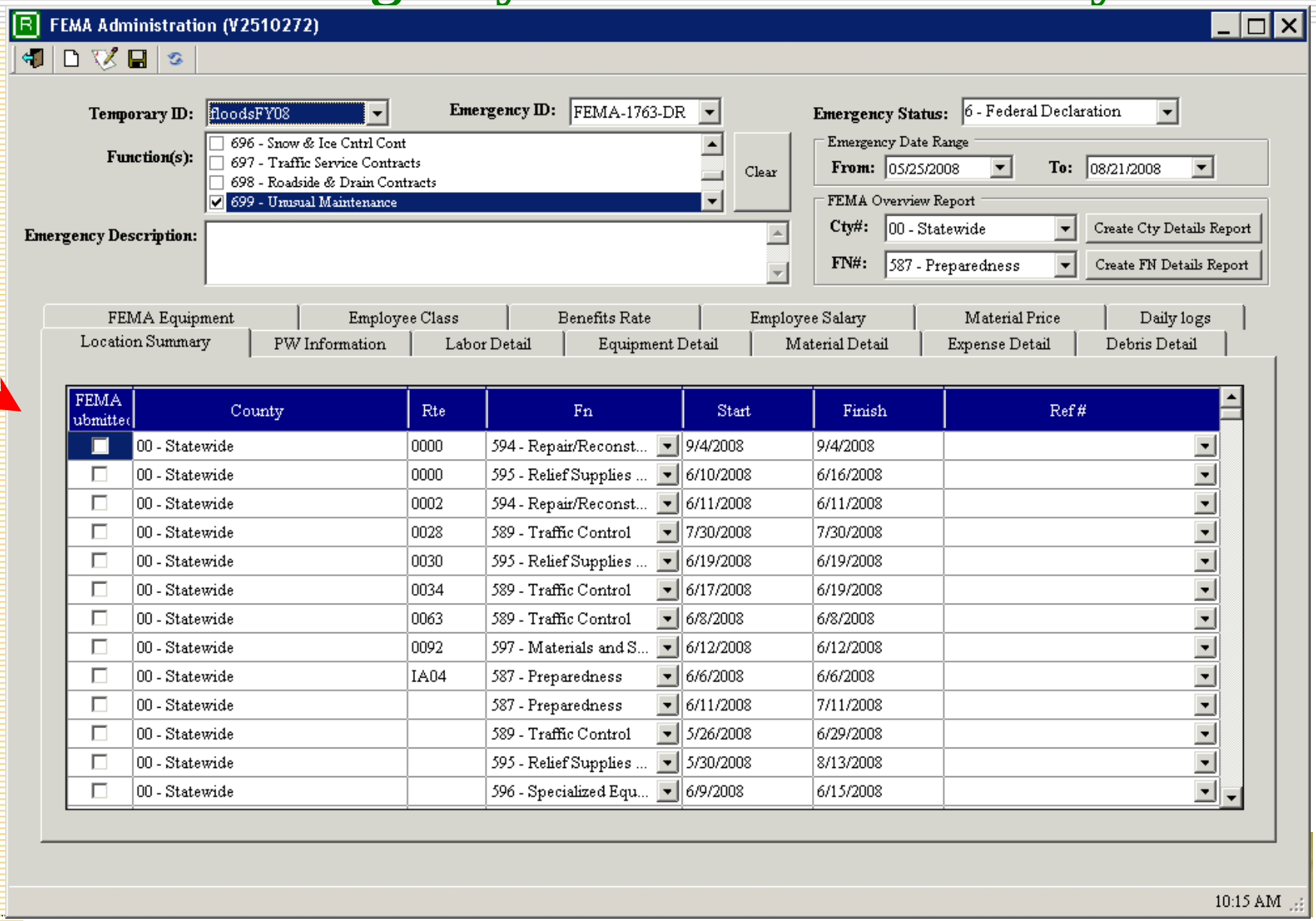
Emergency – Selecting Emergency



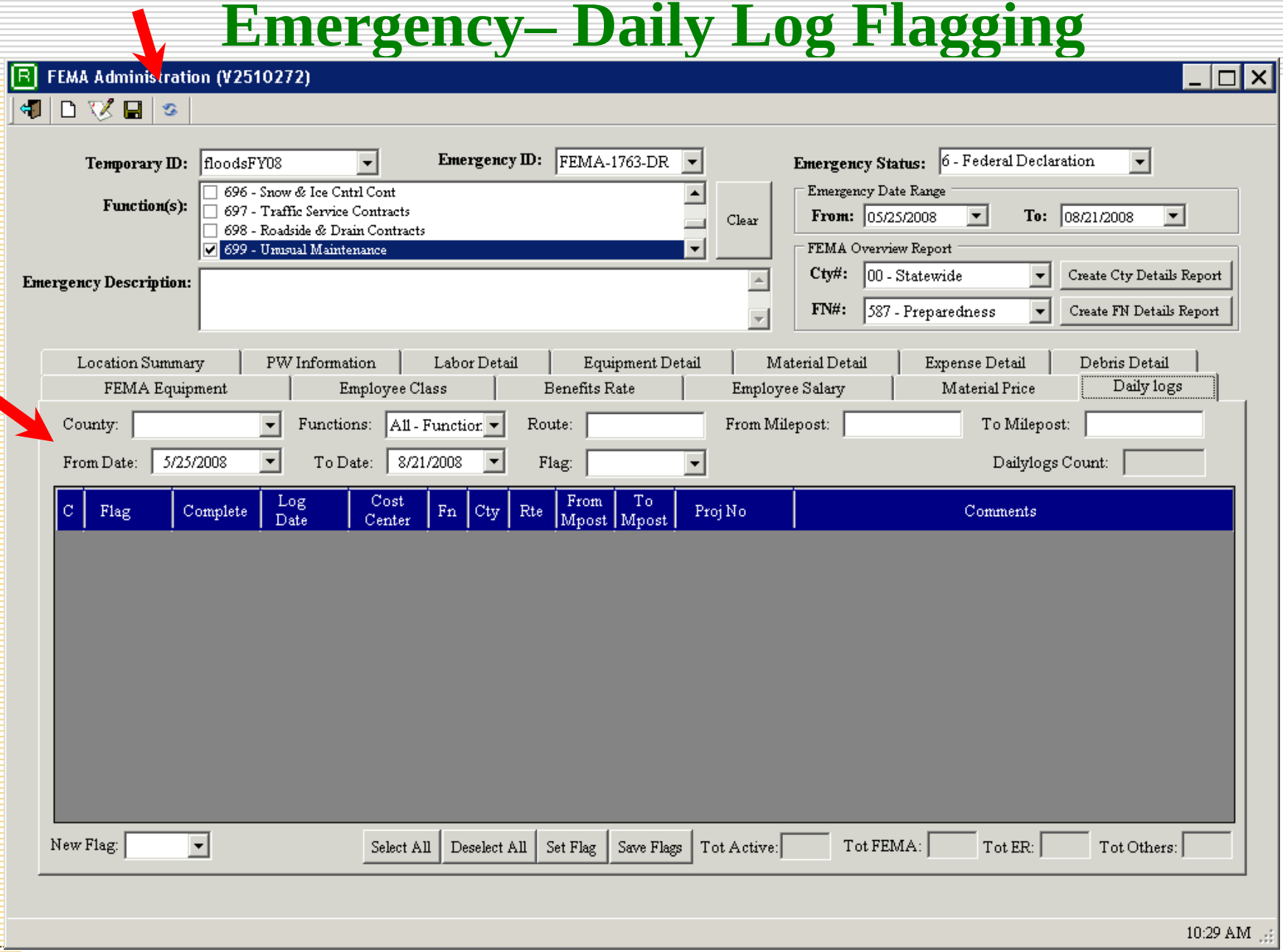
Emergency – Selected Emergency



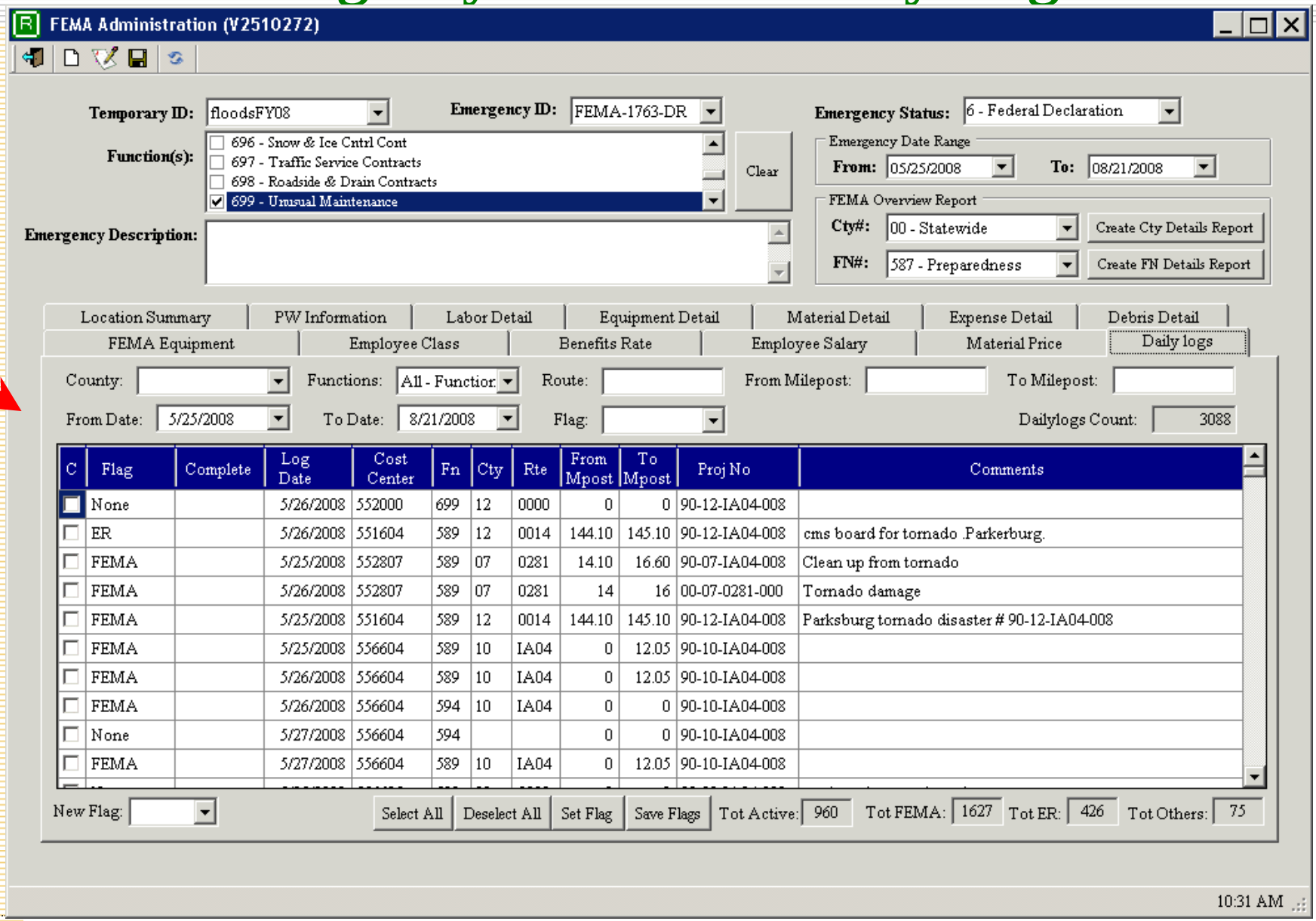
Emergency – Location Summary



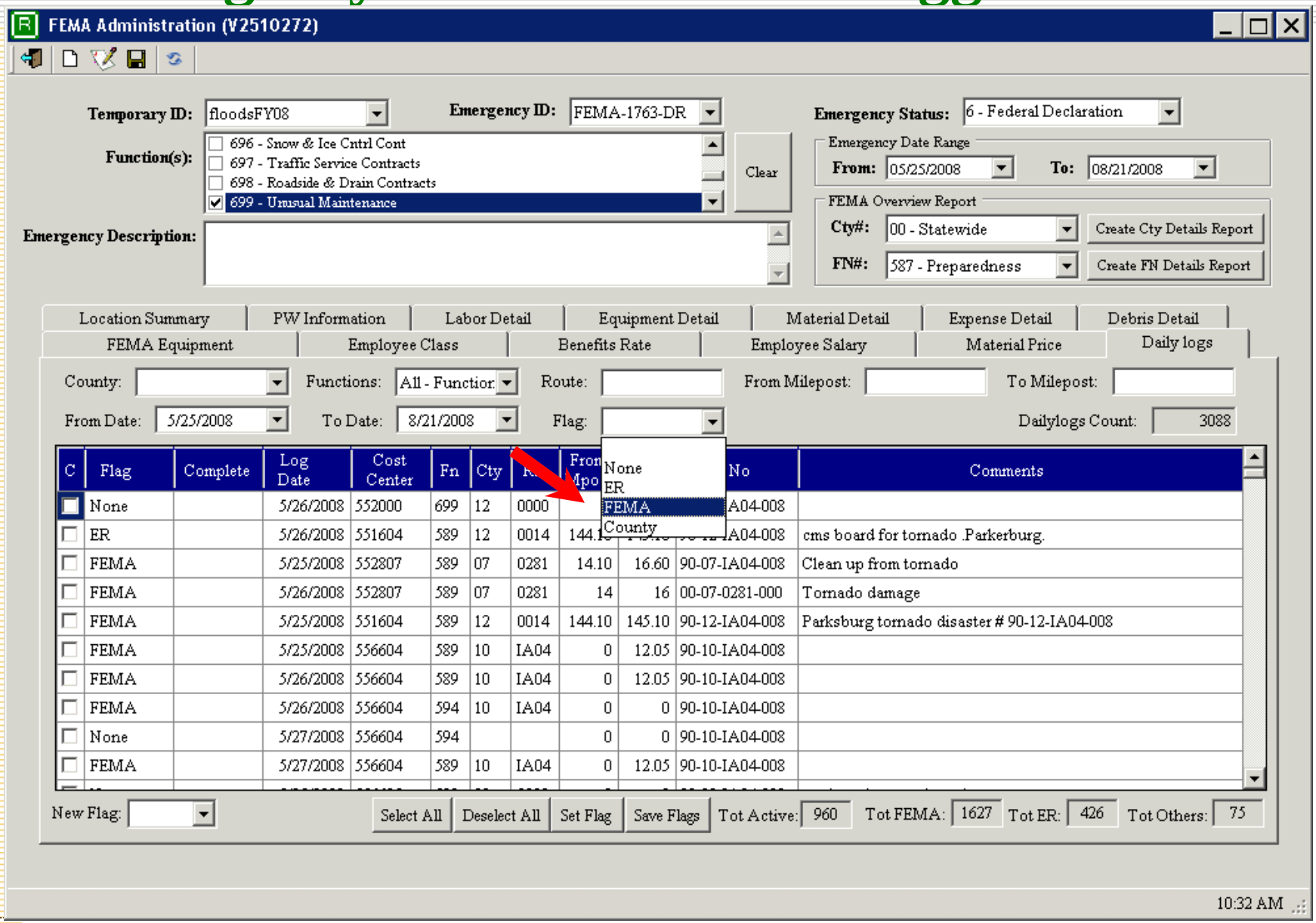
Emergency– Daily Log Flagging



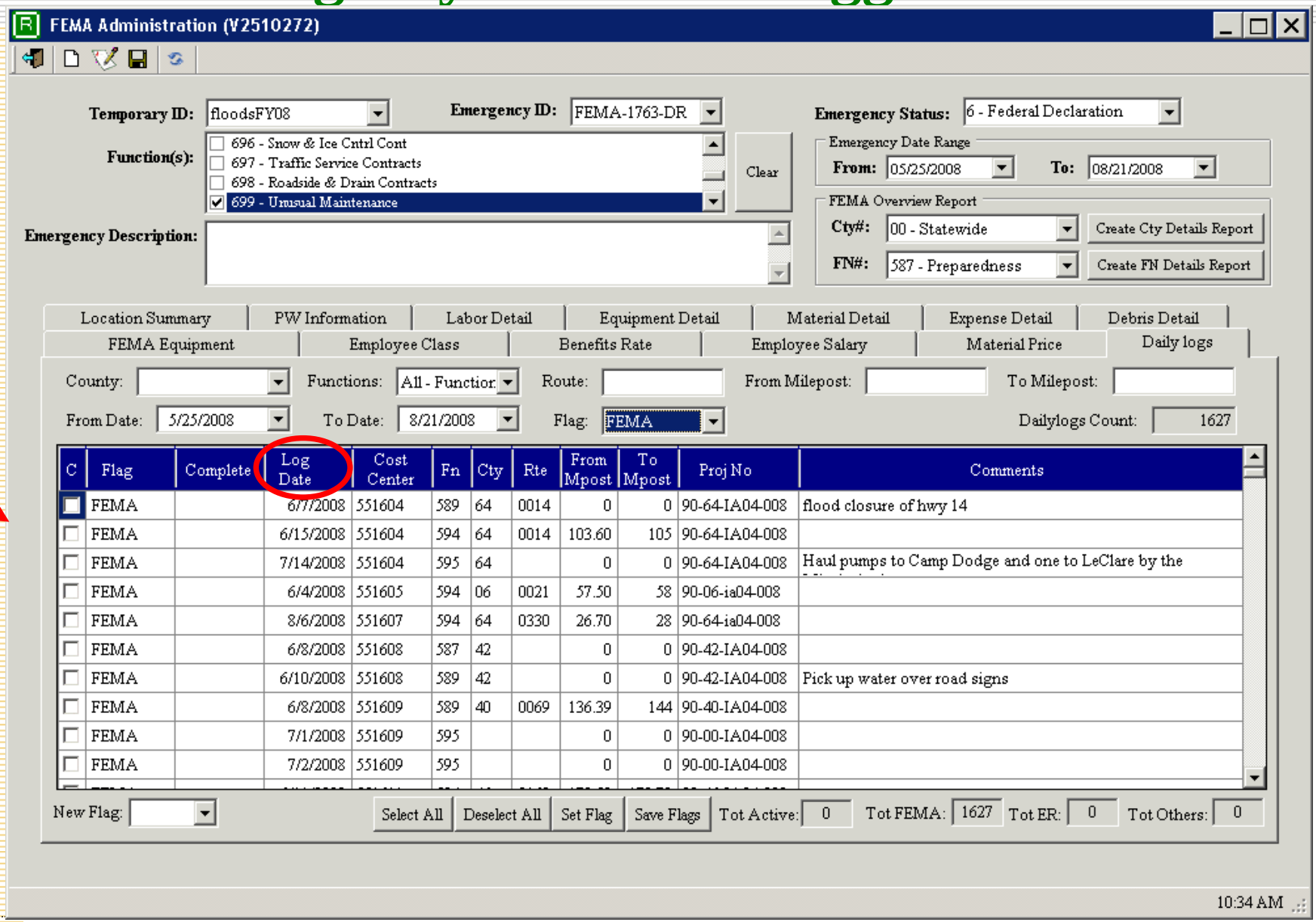
Emergency – Refresh Daily Log list



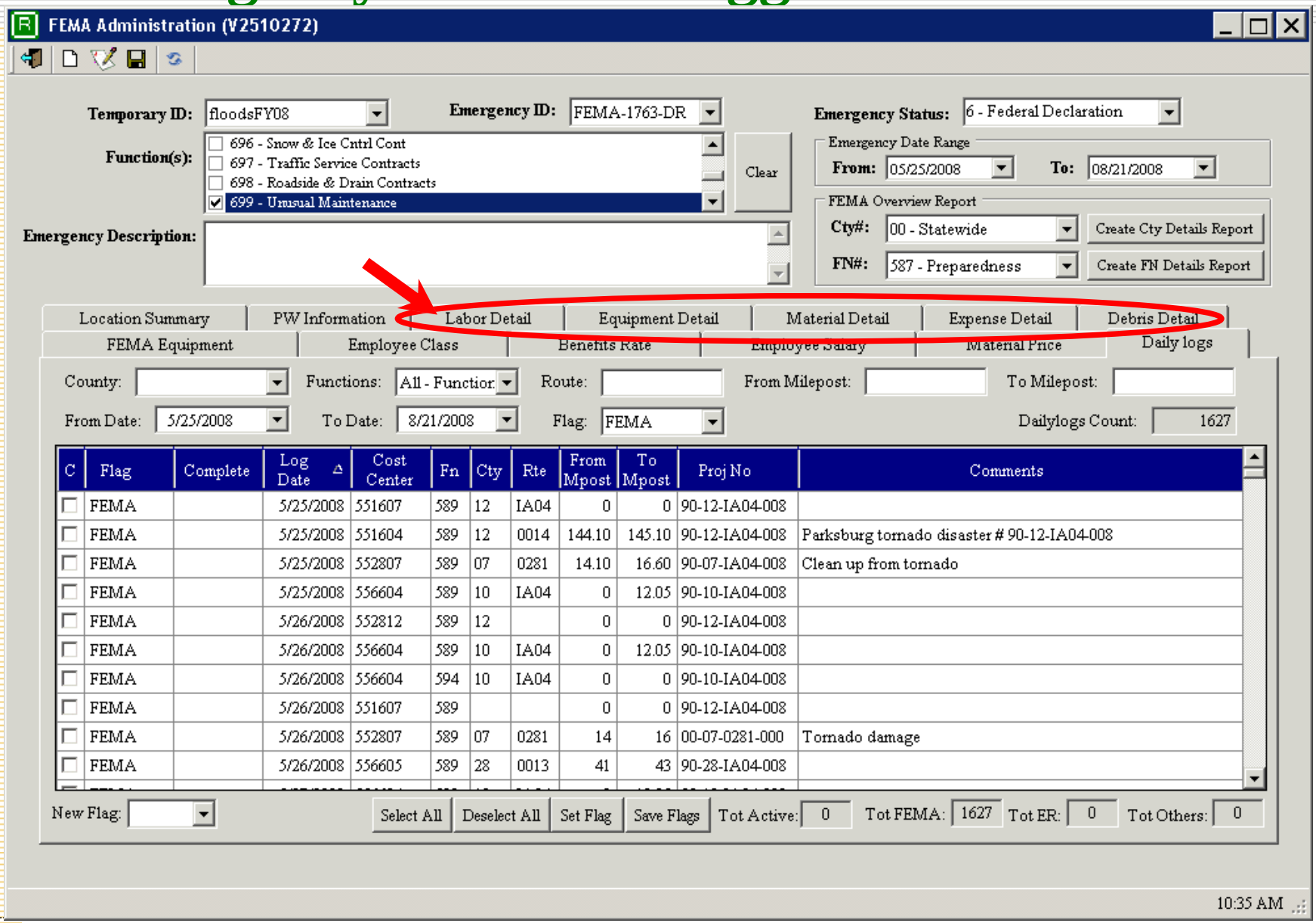
Emergency – Select FEMA Flagged records



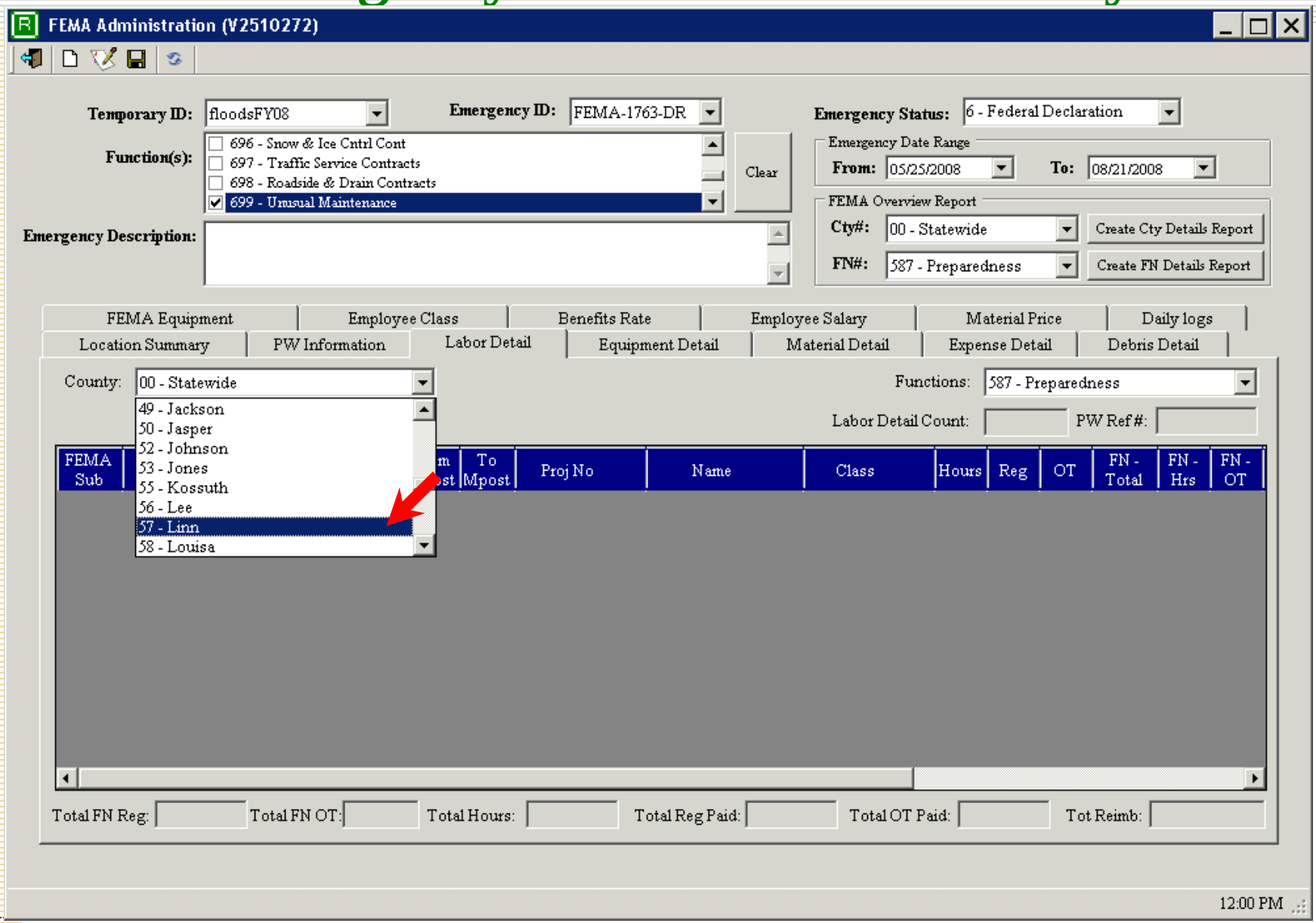
Emergency – FEMA Flagged records



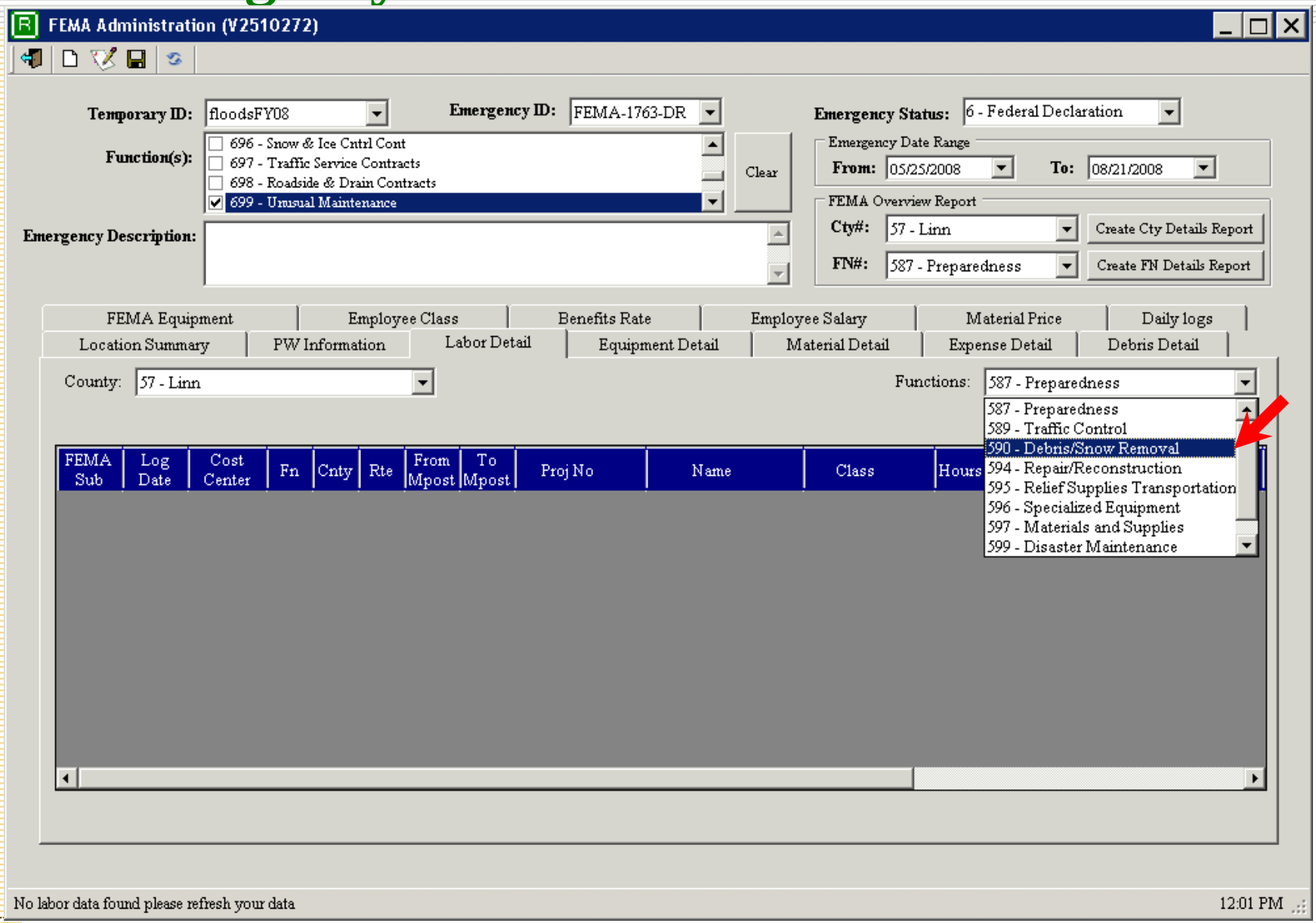
Emergency – FEMA flagged records sorted



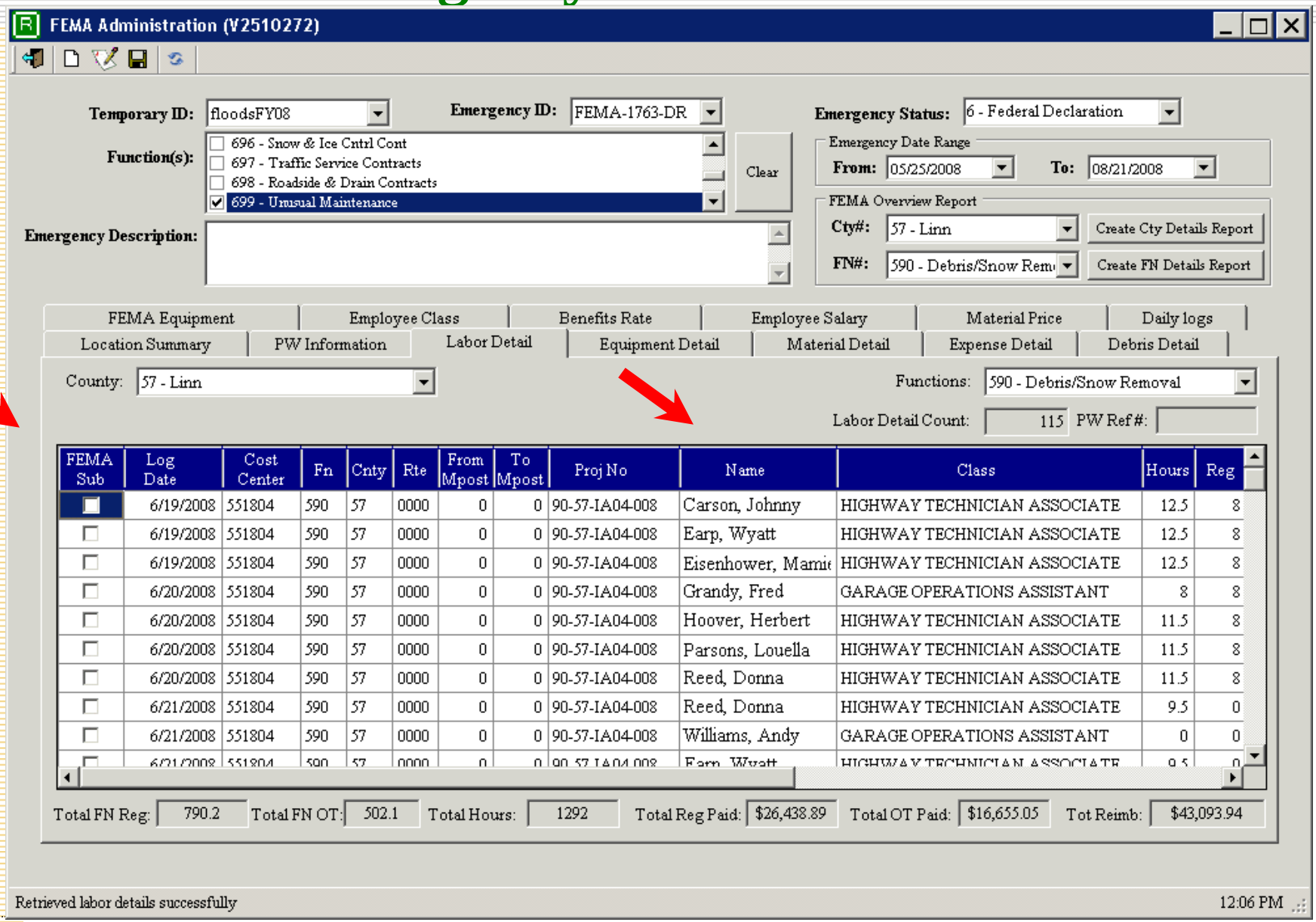
Emergency –Labor Detail County



Emergency – Labor Detail select Function

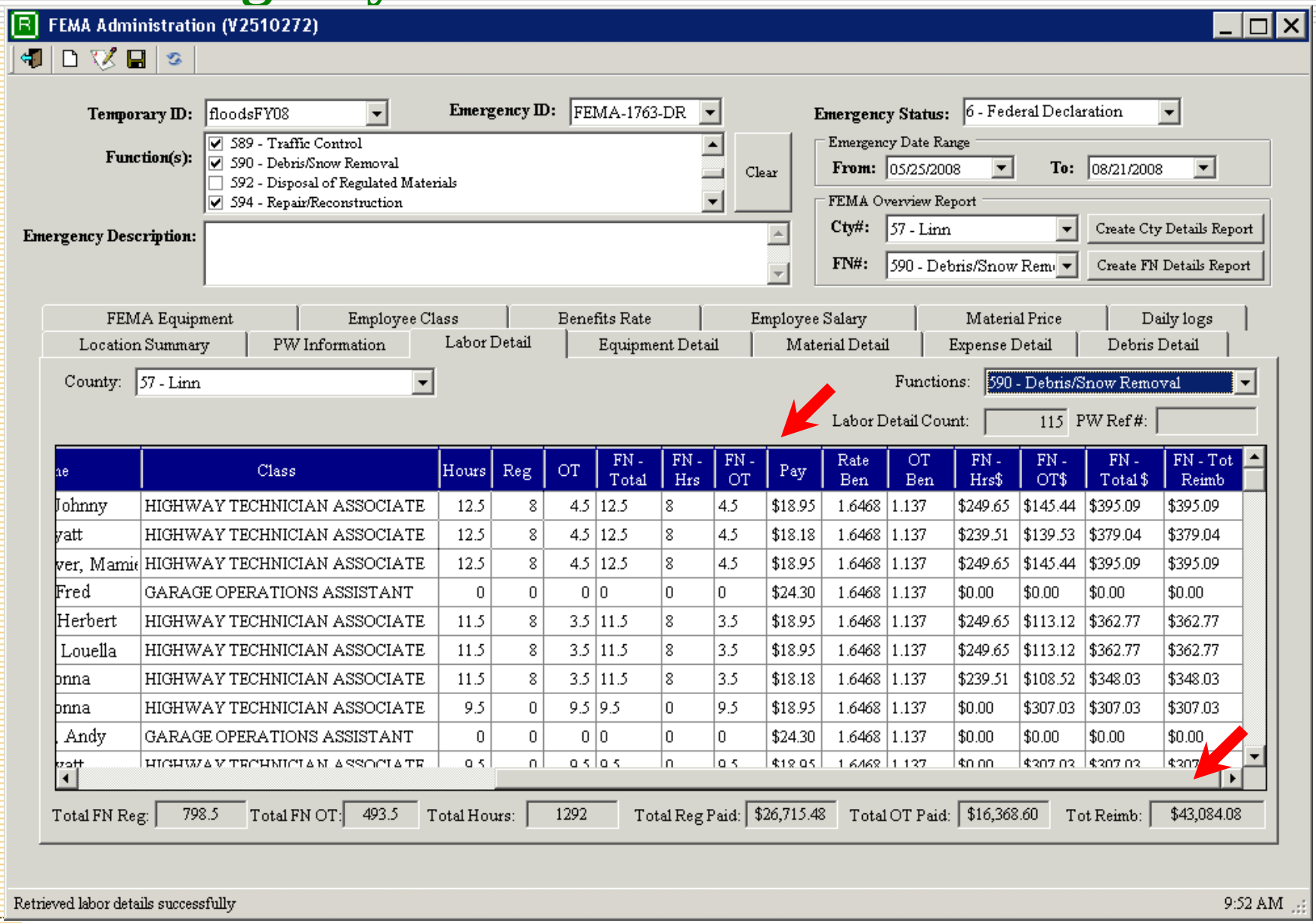


Emergency – Data retrieved



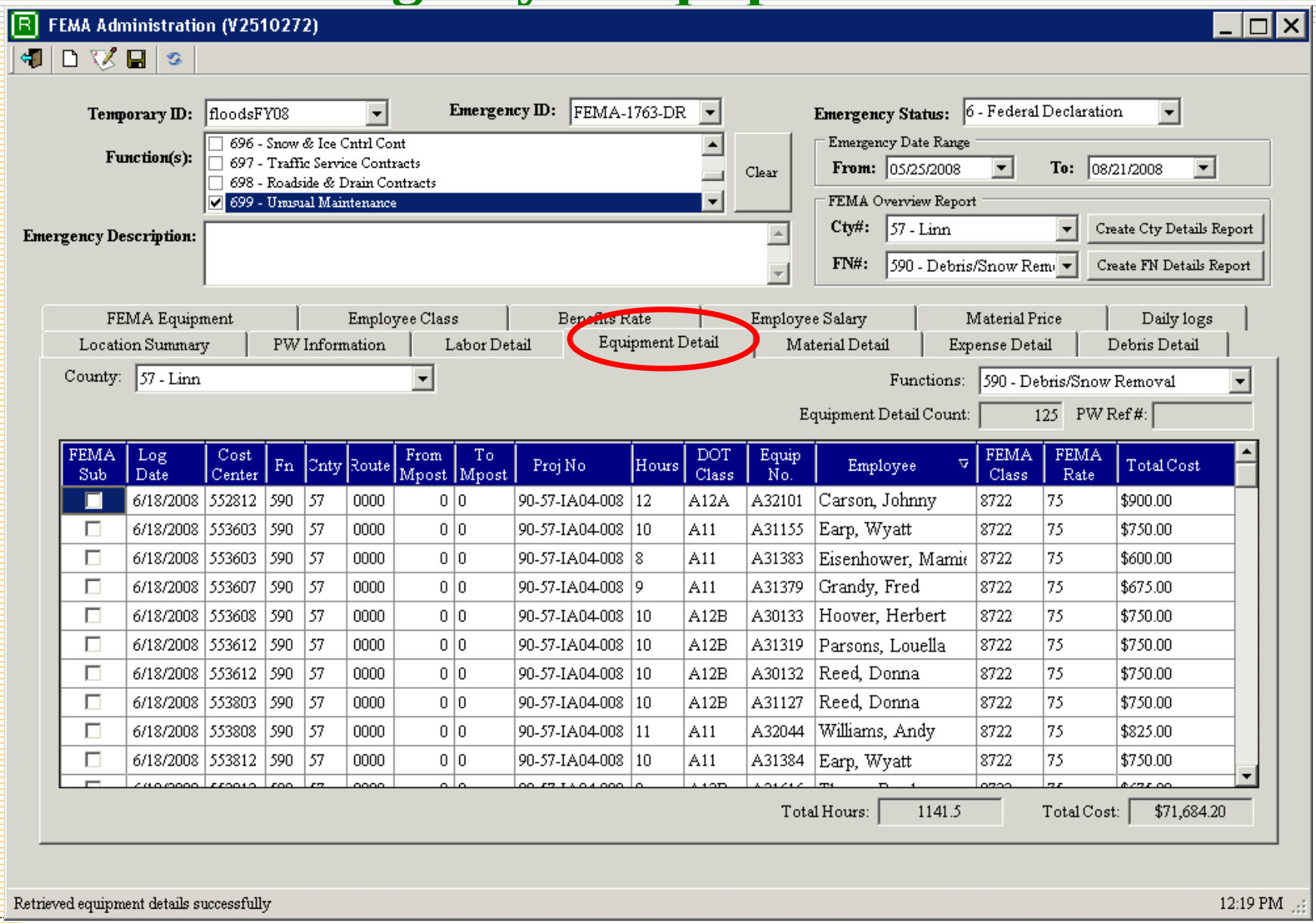
FEMA Sub	Log Date	Cost Center	Fn	Cnty	Rte	From Mpost	To Mpost	Proj No	Name	Class	Hours	Reg
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Carson, Johnny	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Earp, Wyatt	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Eisenhower, Mamie	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Grandy, Fred	GARAGE OPERATIONS ASSISTANT	8	8
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Hoover, Herbert	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Parsons, Louella	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Reed, Donna	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Reed, Donna	HIGHWAY TECHNICIAN ASSOCIATE	9.5	0
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Williams, Andy	GARAGE OPERATIONS ASSISTANT	0	0
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Earp, Wyatt	HIGHWAY TECHNICIAN ASSOCIATE	9.5	0

Emergency – Function selected labor costs



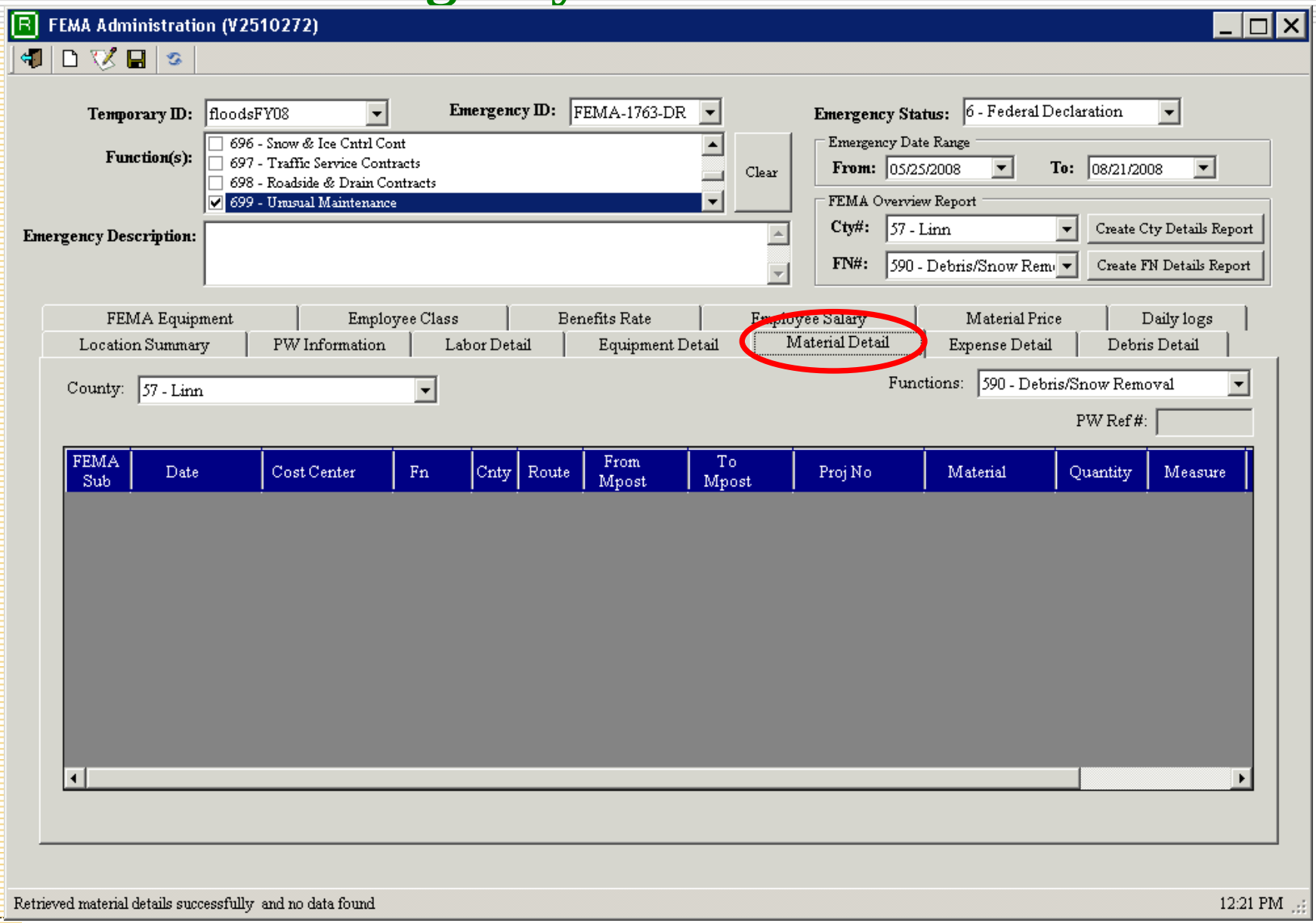
ne	Class	Hours	Reg	OT	FN - Total	FN - Hrs	FN - OT	Pay	Rate Ben	OT Ben	FN - Hrs$	FN - OT$	FN - Total $	FN - Tot Reimb
Johnny	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8	4.5	12.5	8	4.5	$18.95	1.6468	1.137	$249.65	$145.44	$395.09	$395.09
yatt	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8	4.5	12.5	8	4.5	$18.18	1.6468	1.137	$239.51	$139.53	$379.04	$379.04
ver, Mamie	HIGHWAY TECHNICIAN ASSOCIATE	12.5	8	4.5	12.5	8	4.5	$18.95	1.6468	1.137	$249.65	$145.44	$395.09	$395.09
Fred	GARAGE OPERATIONS ASSISTANT	0	0	0	0	0	0	$24.30	1.6468	1.137	$0.00	$0.00	$0.00	$0.00
Herbert	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8	3.5	11.5	8	3.5	$18.95	1.6468	1.137	$249.65	$113.12	$362.77	$362.77
Louella	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8	3.5	11.5	8	3.5	$18.95	1.6468	1.137	$249.65	$113.12	$362.77	$362.77
onna	HIGHWAY TECHNICIAN ASSOCIATE	11.5	8	3.5	11.5	8	3.5	$18.18	1.6468	1.137	$239.51	$108.52	$348.03	$348.03
onna	HIGHWAY TECHNICIAN ASSOCIATE	9.5	0	9.5	9.5	0	9.5	$18.95	1.6468	1.137	$0.00	$307.03	$307.03	$307.03
, Andy	GARAGE OPERATIONS ASSISTANT	0	0	0	0	0	0	$24.30	1.6468	1.137	$0.00	$0.00	$0.00	$0.00
yatt	HIGHWAY TECHNICIAN ASSOCIATE	9.5	0	9.5	9.5	0	9.5	$18.95	1.6468	1.137	$0.00	$307.03	$307.03	$307

Emergency – Equipment Detail

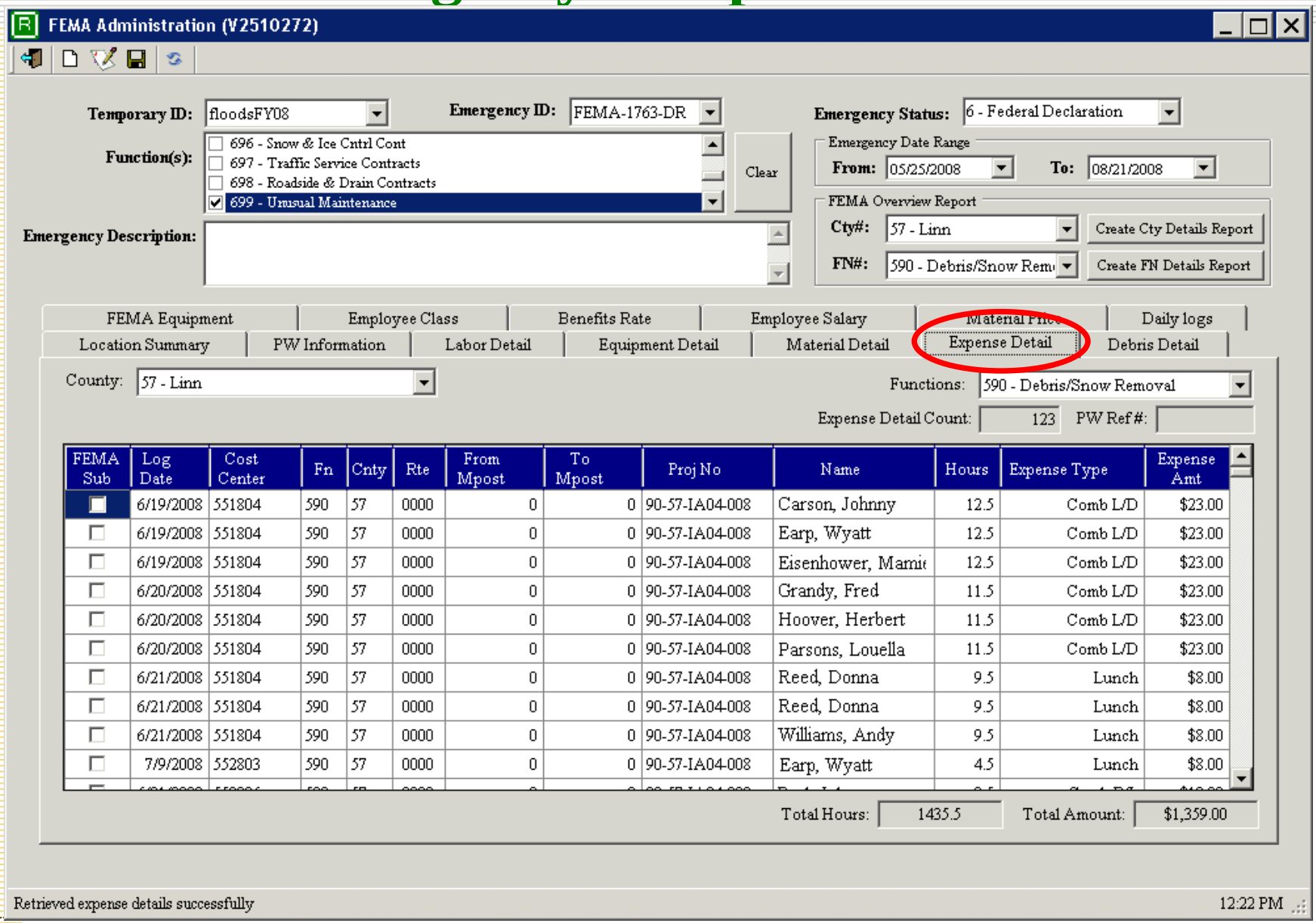


FEMA Sub	Log Date	Cost Center	Fn	Cnty	Route	From Mpost	To Mpost	Proj No	Hours	DOT Class	Equip No.	Employee	FEMA Class	FEMA Rate	Total Cost
☐	6/18/2008	552812	590	57	0000	0	0	90-57-IA04-008	12	A12A	A32101	Carson, Johnny	8722	75	$900.00
☐	6/18/2008	553603	590	57	0000	0	0	90-57-IA04-008	10	A11	A31155	Earp, Wyatt	8722	75	$750.00
☐	6/18/2008	553603	590	57	0000	0	0	90-57-IA04-008	8	A11	A31383	Eisenhower, Mamie	8722	75	$600.00
☐	6/18/2008	553607	590	57	0000	0	0	90-57-IA04-008	9	A11	A31379	Grandy, Fred	8722	75	$675.00
☐	6/18/2008	553608	590	57	0000	0	0	90-57-IA04-008	10	A12B	A30133	Hoover, Herbert	8722	75	$750.00
☐	6/18/2008	553612	590	57	0000	0	0	90-57-IA04-008	10	A12B	A31319	Parsons, Louella	8722	75	$750.00
☐	6/18/2008	553612	590	57	0000	0	0	90-57-IA04-008	10	A12B	A30132	Reed, Donna	8722	75	$750.00
☐	6/18/2008	553803	590	57	0000	0	0	90-57-IA04-008	10	A12B	A31127	Reed, Donna	8722	75	$750.00
☐	6/18/2008	553808	590	57	0000	0	0	90-57-IA04-008	11	A11	A32044	Williams, Andy	8722	75	$825.00
☐	6/18/2008	553812	590	57	0000	0	0	90-57-IA04-008	10	A11	A31384	Earp, Wyatt	8722	75	$750.00

Emergency – Material Detail

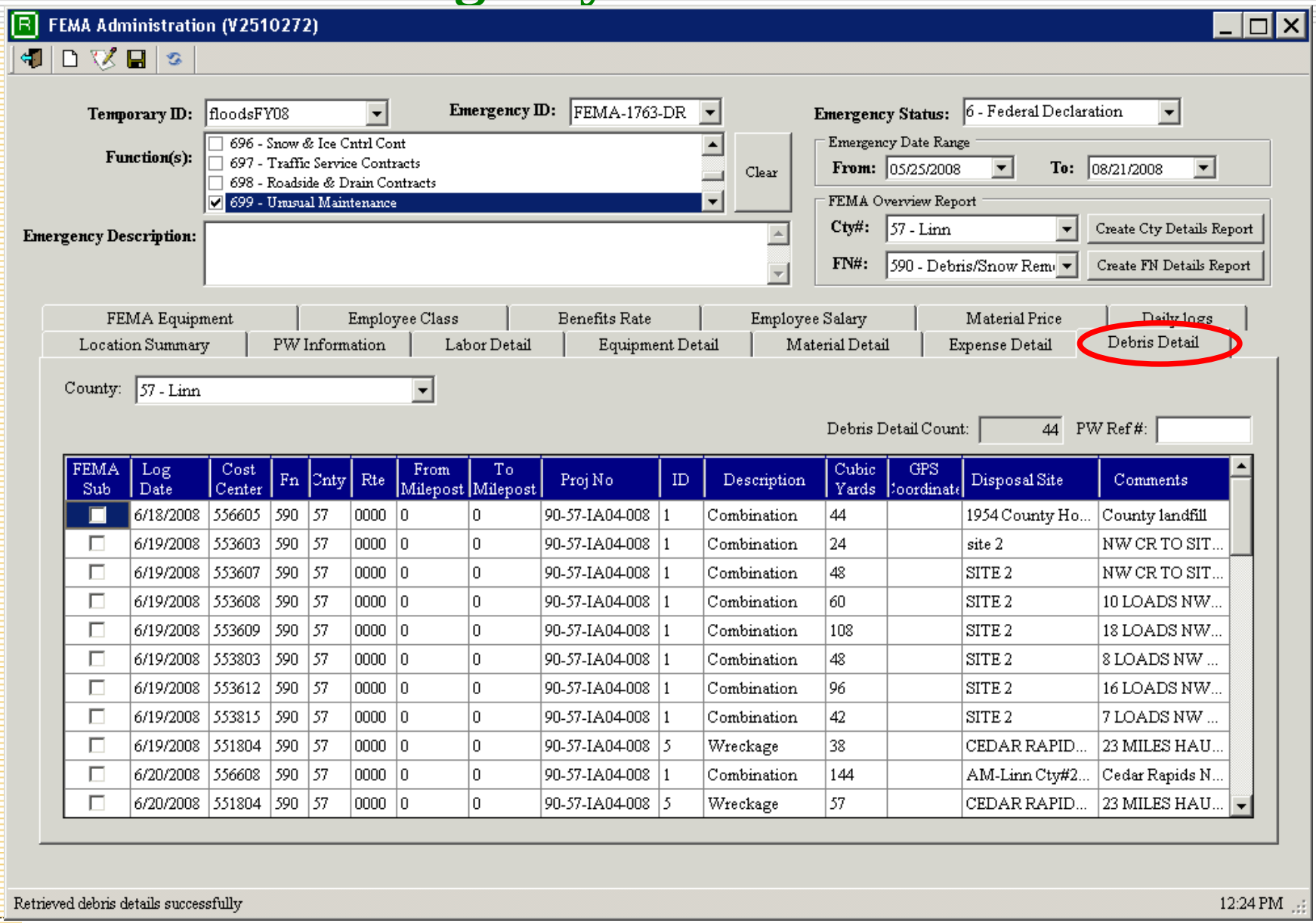


Emergency – Expense Detail



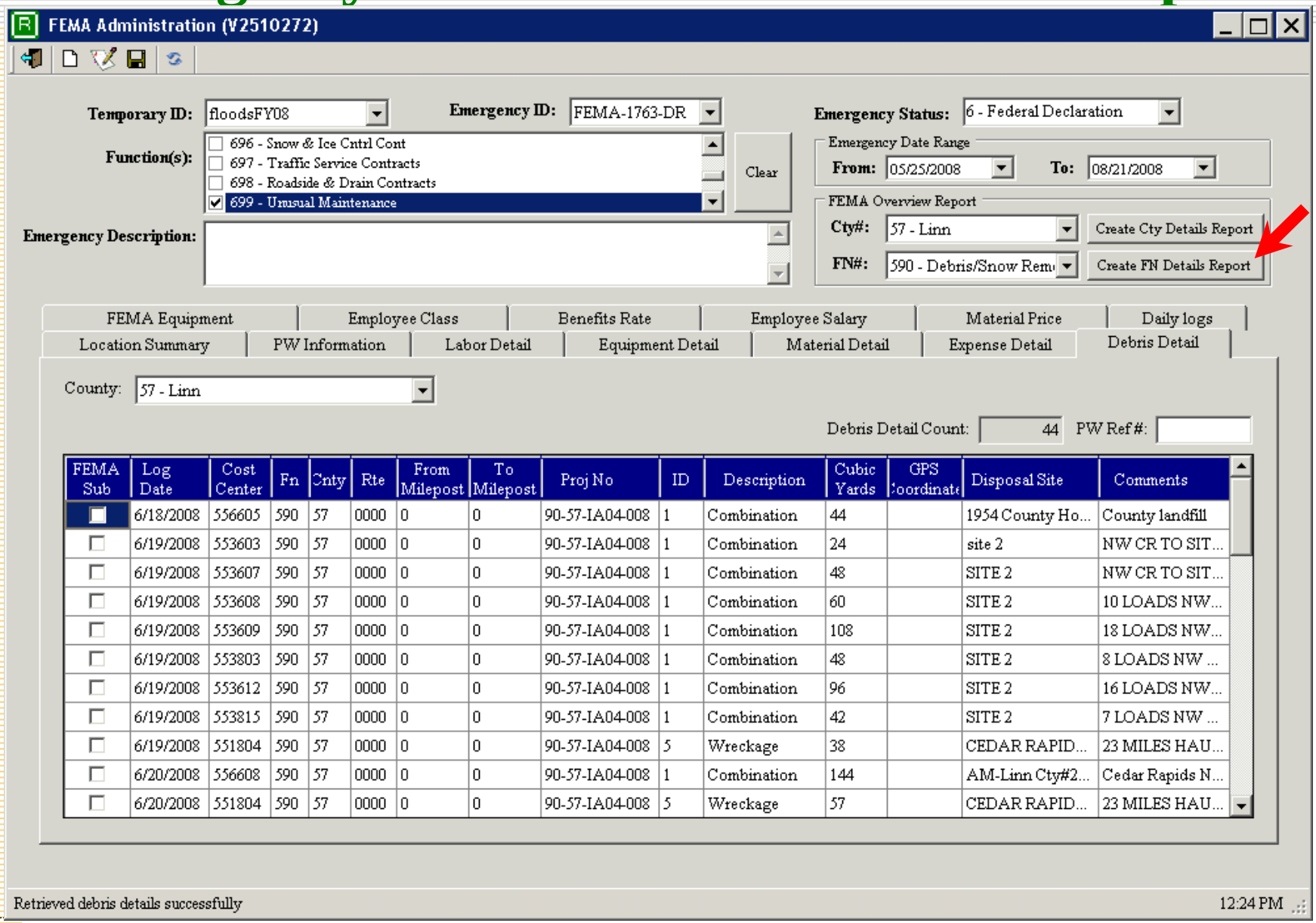
FEMA Sub	Log Date	Cost Center	Fn	Cnty	Rte	From Mpost	To Mpost	Proj No	Name	Hours	Expense Type	Expense Amt
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Carson, Johnny	12.5	Comb L/D	$23.00
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Earp, Wyatt	12.5	Comb L/D	$23.00
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	Eisenhower, Mamie	12.5	Comb L/D	$23.00
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Grandy, Fred	11.5	Comb L/D	$23.00
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Hoover, Herbert	11.5	Comb L/D	$23.00
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	Parsons, Louella	11.5	Comb L/D	$23.00
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Reed, Donna	9.5	Lunch	$8.00
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Reed, Donna	9.5	Lunch	$8.00
☐	6/21/2008	551804	590	57	0000	0	0	90-57-IA04-008	Williams, Andy	9.5	Lunch	$8.00
☐	7/9/2008	552803	590	57	0000	0	0	90-57-IA04-008	Earp, Wyatt	4.5	Lunch	$8.00

Emergency – Debris Detail



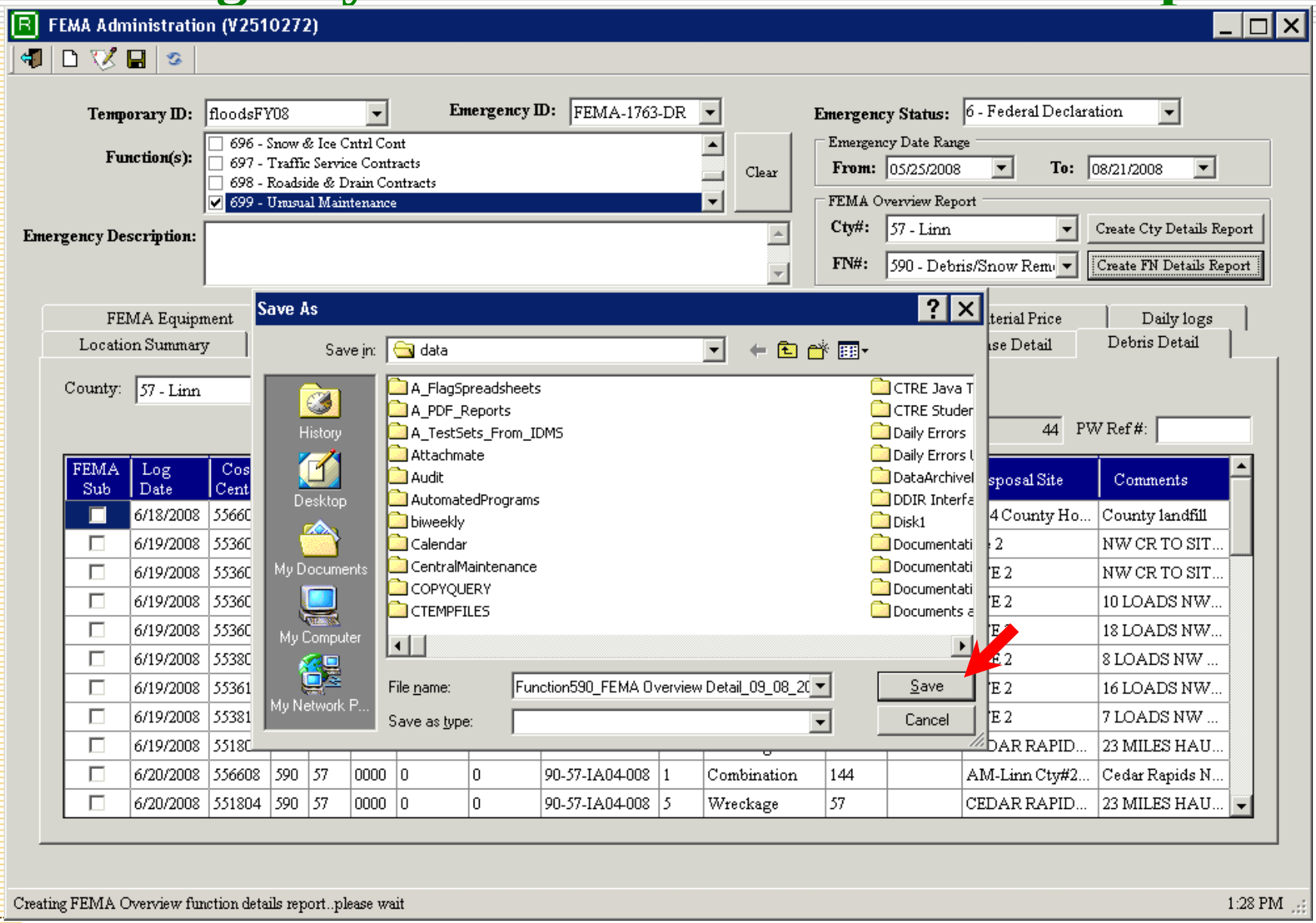
FEMA Sub	Log Date	Cost Center	Fn	Cnty	Rte	From Milepost	To Milepost	Proj No	ID	Description	Cubic Yards	GPS Coordinate	Disposal Site	Comments
☐	6/18/2008	556605	590	57	0000	0	0	90-57-IA04-008	1	Combination	44		1954 County Ho...	County landfill
☐	6/19/2008	553603	590	57	0000	0	0	90-57-IA04-008	1	Combination	24		site 2	NW CR TO SIT...
☐	6/19/2008	553607	590	57	0000	0	0	90-57-IA04-008	1	Combination	48		SITE 2	NW CR TO SIT...
☐	6/19/2008	553608	590	57	0000	0	0	90-57-IA04-008	1	Combination	60		SITE 2	10 LOADS NW...
☐	6/19/2008	553609	590	57	0000	0	0	90-57-IA04-008	1	Combination	108		SITE 2	18 LOADS NW...
☐	6/19/2008	553803	590	57	0000	0	0	90-57-IA04-008	1	Combination	48		SITE 2	8 LOADS NW ...
☐	6/19/2008	553612	590	57	0000	0	0	90-57-IA04-008	1	Combination	96		SITE 2	16 LOADS NW...
☐	6/19/2008	553815	590	57	0000	0	0	90-57-IA04-008	1	Combination	42		SITE 2	7 LOADS NW ...
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	38		CEDAR RAPID...	23 MILES HAU...
☐	6/20/2008	556608	590	57	0000	0	0	90-57-IA04-008	1	Combination	144		AM-Linn Cty#2...	Cedar Rapids N...
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	57		CEDAR RAPID...	23 MILES HAU...

Emergency – Create Function Detail Report

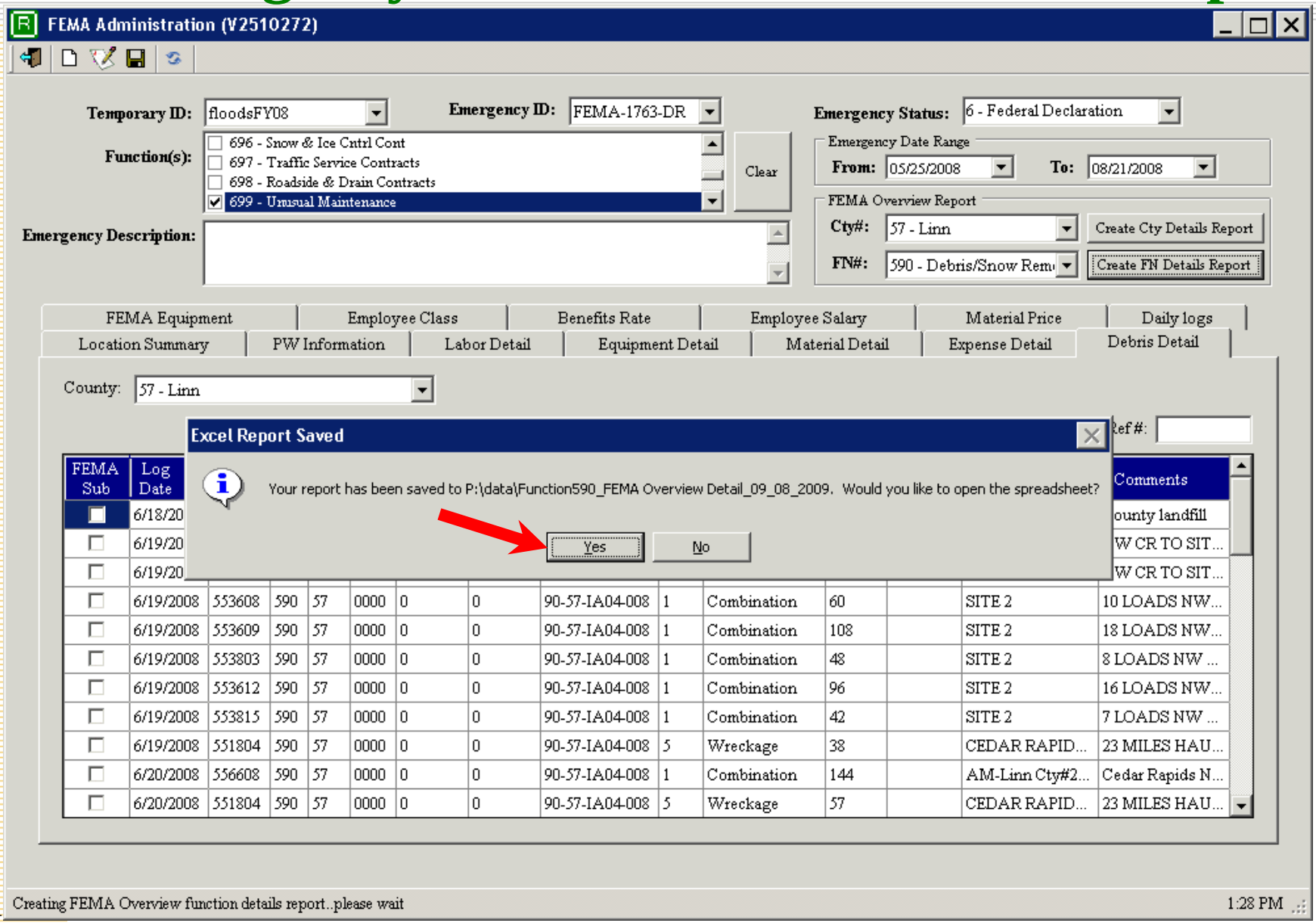


FEMA Sub	Log Date	Cost Center	Fn	Cnty	Rte	From Milepost	To Milepost	Proj No	ID	Description	Cubic Yards	GPS Coordinate	Disposal Site	Comments
☐	6/18/2008	556605	590	57	0000	0	0	90-57-IA04-008	1	Combination	44		1954 County Ho...	County landfill
☐	6/19/2008	553603	590	57	0000	0	0	90-57-IA04-008	1	Combination	24		site 2	NW CR TO SIT...
☐	6/19/2008	553607	590	57	0000	0	0	90-57-IA04-008	1	Combination	48		SITE 2	NW CR TO SIT...
☐	6/19/2008	553608	590	57	0000	0	0	90-57-IA04-008	1	Combination	60		SITE 2	10 LOADS NW...
☐	6/19/2008	553609	590	57	0000	0	0	90-57-IA04-008	1	Combination	108		SITE 2	18 LOADS NW...
☐	6/19/2008	553803	590	57	0000	0	0	90-57-IA04-008	1	Combination	48		SITE 2	8 LOADS NW ...
☐	6/19/2008	553612	590	57	0000	0	0	90-57-IA04-008	1	Combination	96		SITE 2	16 LOADS NW...
☐	6/19/2008	553815	590	57	0000	0	0	90-57-IA04-008	1	Combination	42		SITE 2	7 LOADS NW ...
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	38		CEDAR RAPID...	23 MILES HAU...
☐	6/20/2008	556608	590	57	0000	0	0	90-57-IA04-008	1	Combination	144		AM-Linn Cty#2...	Cedar Rapids N...
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	57		CEDAR RAPID...	23 MILES HAU...

Emergency – Create Function Detail Report

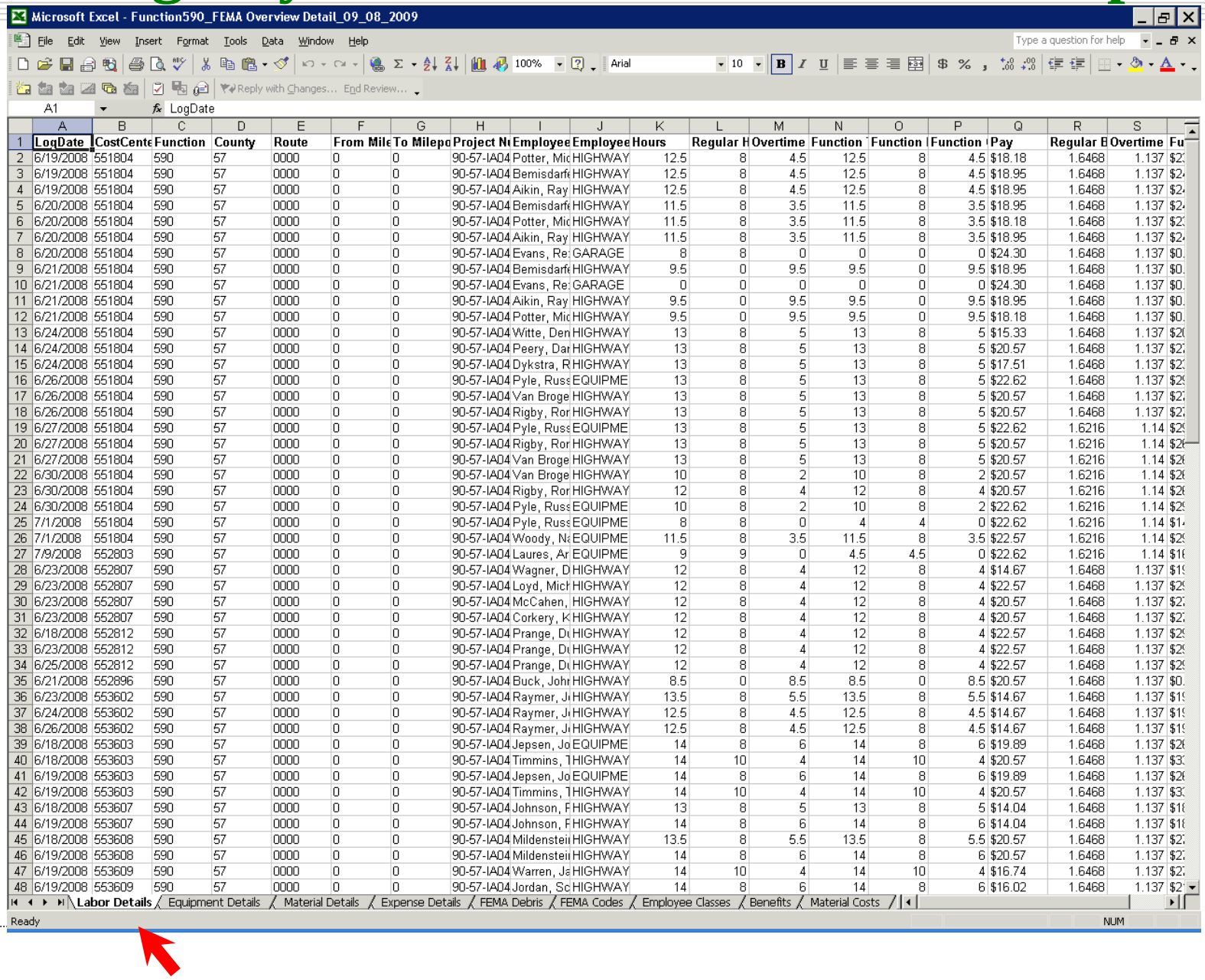


Emergency – Create Function Detail Report



FEMA Sub	Log Date													Comments
☐	6/18/20													ounty landfill
☐	6/19/20													W CR TO SIT...
☐	6/19/20													W CR TO SIT...
☐	6/19/2008	553608	590	57	0000	0	0	90-57-IA04-008	1	Combination	60		SITE 2	10 LOADS NW...
☐	6/19/2008	553609	590	57	0000	0	0	90-57-IA04-008	1	Combination	108		SITE 2	18 LOADS NW...
☐	6/19/2008	553803	590	57	0000	0	0	90-57-IA04-008	1	Combination	48		SITE 2	8 LOADS NW ...
☐	6/19/2008	553612	590	57	0000	0	0	90-57-IA04-008	1	Combination	96		SITE 2	16 LOADS NW...
☐	6/19/2008	553815	590	57	0000	0	0	90-57-IA04-008	1	Combination	42		SITE 2	7 LOADS NW ...
☐	6/19/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	38		CEDAR RAPID...	23 MILES HAU...
☐	6/20/2008	556608	590	57	0000	0	0	90-57-IA04-008	1	Combination	144		AM-Linn Cty#2...	Cedar Rapids N...
☐	6/20/2008	551804	590	57	0000	0	0	90-57-IA04-008	5	Wreckage	57		CEDAR RAPID...	23 MILES HAU...

Emergency – Create Function Detail Report



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	LogDate	CostCente	Function	County	Route	From Mile	To Milepo	Project Nu	Employee	Employee	Hours	Regular H	Overtime	Function	Function	Function	Pay	Regular E	Overtime	Fu
2	6/19/2008	551804	590	57	0000	0	0	90-57-IA04	Potter, Mic	HIGHWAY	12.5	8	4.5	12.5	8	4.5	$18.18	1.6468	1.137	$2
3	6/19/2008	551804	590	57	0000	0	0	90-57-IA04	Bemisdarfe	HIGHWAY	12.5	8	4.5	12.5	8	4.5	$18.95	1.6468	1.137	$2
4	6/19/2008	551804	590	57	0000	0	0	90-57-IA04	Aikin, Ray	HIGHWAY	12.5	8	4.5	12.5	8	4.5	$18.95	1.6468	1.137	$2
5	6/20/2008	551804	590	57	0000	0	0	90-57-IA04	Bemisdarfe	HIGHWAY	11.5	8	3.5	11.5	8	3.5	$18.95	1.6468	1.137	$2
6	6/20/2008	551804	590	57	0000	0	0	90-57-IA04	Potter, Mic	HIGHWAY	11.5	8	3.5	11.5	8	3.5	$18.18	1.6468	1.137	$2
7	6/20/2008	551804	590	57	0000	0	0	90-57-IA04	Aikin, Ray	HIGHWAY	11.5	8	3.5	11.5	8	3.5	$18.95	1.6468	1.137	$2
8	6/20/2008	551804	590	57	0000	0	0	90-57-IA04	Evans, Re	GARAGE	8	8	0	0	0	0	$24.30	1.6468	1.137	$0
9	6/21/2008	551804	590	57	0000	0	0	90-57-IA04	Bemisdarfe	HIGHWAY	9.5	0	9.5	9.5	0	9.5	$18.95	1.6468	1.137	$0
10	6/21/2008	551804	590	57	0000	0	0	90-57-IA04	Evans, Re	GARAGE	0	0	0	0	0	0	$24.30	1.6468	1.137	$0
11	6/21/2008	551804	590	57	0000	0	0	90-57-IA04	Aikin, Ray	HIGHWAY	9.5	0	9.5	9.5	0	9.5	$18.95	1.6468	1.137	$0
12	6/21/2008	551804	590	57	0000	0	0	90-57-IA04	Potter, Mic	HIGHWAY	9.5	0	9.5	9.5	0	9.5	$18.18	1.6468	1.137	$0
13	6/24/2008	551804	590	57	0000	0	0	90-57-IA04	Witte, Den	HIGHWAY	13	8	5	13	8	5	$15.33	1.6468	1.137	$2
14	6/24/2008	551804	590	57	0000	0	0	90-57-IA04	Peery, Dar	HIGHWAY	13	8	5	13	8	5	$20.57	1.6468	1.137	$2
15	6/24/2008	551804	590	57	0000	0	0	90-57-IA04	Dykstra, R	HIGHWAY	13	8	5	13	8	5	$17.51	1.6468	1.137	$2
16	6/26/2008	551804	590	57	0000	0	0	90-57-IA04	Pyle, Russ	EQUIPME	13	8	5	13	8	5	$22.62	1.6468	1.137	$2
17	6/26/2008	551804	590	57	0000	0	0	90-57-IA04	Van Broge	HIGHWAY	13	8	5	13	8	5	$20.57	1.6468	1.137	$2
18	6/26/2008	551804	590	57	0000	0	0	90-57-IA04	Rigby, Ror	HIGHWAY	13	8	5	13	8	5	$20.57	1.6468	1.137	$2
19	6/27/2008	551804	590	57	0000	0	0	90-57-IA04	Pyle, Russ	EQUIPME	13	8	5	13	8	5	$22.62	1.6216	1.14	$2
20	6/27/2008	551804	590	57	0000	0	0	90-57-IA04	Rigby, Ror	HIGHWAY	13	8	5	13	8	5	$20.57	1.6216	1.14	$2
21	6/27/2008	551804	590	57	0000	0	0	90-57-IA04	Van Broge	HIGHWAY	13	8	5	13	8	5	$20.57	1.6216	1.14	$2
22	6/30/2008	551804	590	57	0000	0	0	90-57-IA04	Van Broge	HIGHWAY	10	8	2	10	8	2	$20.57	1.6216	1.14	$2
23	6/30/2008	551804	590	57	0000	0	0	90-57-IA04	Rigby, Ror	HIGHWAY	12	8	4	12	8	4	$20.57	1.6216	1.14	$2
24	6/30/2008	551804	590	57	0000	0	0	90-57-IA04	Pyle, Russ	EQUIPME	10	8	2	10	8	2	$22.62	1.6216	1.14	$2
25	7/1/2008	551804	590	57	0000	0	0	90-57-IA04	Pyle, Russ	EQUIPME	8	8	0	4	4	0	$22.62	1.6216	1.14	$1
26	7/1/2008	551804	590	57	0000	0	0	90-57-IA04	Woody, Na	EQUIPME	11.5	8	3.5	11.5	8	3.5	$22.57	1.6216	1.14	$2
27	7/9/2008	552803	590	57	0000	0	0	90-57-IA04	Laures, Ar	EQUIPME	9	9	0	4.5	4.5	0	$22.62	1.6216	1.14	$1
28	6/23/2008	552807	590	57	0000	0	0	90-57-IA04	Wagner, D	HIGHWAY	12	8	4	12	8	4	$14.67	1.6468	1.137	$1
29	6/23/2008	552807	590	57	0000	0	0	90-57-IA04	Loyd, Mich	HIGHWAY	12	8	4	12	8	4	$22.57	1.6468	1.137	$2
30	6/23/2008	552807	590	57	0000	0	0	90-57-IA04	McCahen,	HIGHWAY	12	8	4	12	8	4	$20.57	1.6468	1.137	$2
31	6/23/2008	552807	590	57	0000	0	0	90-57-IA04	Corkery, K	HIGHWAY	12	8	4	12	8	4	$20.57	1.6468	1.137	$2
32	6/18/2008	552812	590	57	0000	0	0	90-57-IA04	Prange, Du	HIGHWAY	12	8	4	12	8	4	$22.57	1.6468	1.137	$2
33	6/23/2008	552812	590	57	0000	0	0	90-57-IA04	Prange, Du	HIGHWAY	12	8	4	12	8	4	$22.57	1.6468	1.137	$2
34	6/25/2008	552812	590	57	0000	0	0	90-57-IA04	Prange, Du	HIGHWAY	12	8	4	12	8	4	$22.57	1.6468	1.137	$2
35	6/21/2008	552896	590	57	0000	0	0	90-57-IA04	Buck, John	HIGHWAY	8.5	0	8.5	8.5	0	8.5	$20.57	1.6468	1.137	$0
36	6/23/2008	553602	590	57	0000	0	0	90-57-IA04	Raymer, Ja	HIGHWAY	13.5	8	5.5	13.5	8	5.5	$14.67	1.6468	1.137	$1
37	6/24/2008	553602	590	57	0000	0	0	90-57-IA04	Raymer, Ja	HIGHWAY	12.5	8	4.5	12.5	8	4.5	$14.67	1.6468	1.137	$1
38	6/26/2008	553602	590	57	0000	0	0	90-57-IA04	Raymer, Ja	HIGHWAY	12.5	8	4.5	12.5	8	4.5	$14.67	1.6468	1.137	$1
39	6/18/2008	553603	590	57	0000	0	0	90-57-IA04	Jepsen, Jo	EQUIPME	14	8	6	14	8	6	$19.89	1.6468	1.137	$2
40	6/18/2008	553603	590	57	0000	0	0	90-57-IA04	Timmins, T	HIGHWAY	14	10	4	14	10	4	$20.57	1.6468	1.137	$3
41	6/19/2008	553603	590	57	0000	0	0	90-57-IA04	Jepsen, Jo	EQUIPME	14	8	6	14	8	6	$19.89	1.6468	1.137	$2
42	6/19/2008	553603	590	57	0000	0	0	90-57-IA04	Timmins, T	HIGHWAY	14	10	4	14	10	4	$20.57	1.6468	1.137	$3
43	6/18/2008	553607	590	57	0000	0	0	90-57-IA04	Johnson, F	HIGHWAY	13	8	5	13	8	5	$14.04	1.6468	1.137	$1
44	6/19/2008	553607	590	57	0000	0	0	90-57-IA04	Johnson, F	HIGHWAY	14	8	6	14	8	6	$14.04	1.6468	1.137	$1
45	6/18/2008	553608	590	57	0000	0	0	90-57-IA04	Mildenstei	HIGHWAY	13.5	8	5.5	13.5	8	5.5	$20.57	1.6468	1.137	$2
46	6/19/2008	553608	590	57	0000	0	0	90-57-IA04	Mildenstei	HIGHWAY	14	8	6	14	8	6	$20.57	1.6468	1.137	$2
47	6/19/2008	553609	590	57	0000	0	0	90-57-IA04	Warren, Ja	HIGHWAY	14	10	4	14	10	4	$16.74	1.6468	1.137	$2
48	6/19/2008	553609	590	57	0000	0	0	90-57-IA04	Jordan, Sc	HIGHWAY	14	8	6	14	8	6	$16.02	1.6468	1.137	$2

Where do we go from Here?

- Expansion of Emergency
  - District Management screens
  - Hours Collection for all Equipment used
- Repair Shop Database
  - Access to Mainframe Equipment Management
  - Access to Equipment Repair System
- Adopt-a-Highway

Questions and Contacts

- Questions?

- Contact information:

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Resource Management System Credits

- ***User committees***

  We have had numerous committees made up of field and office users. These committees have voiced their wishes and concerns and valiantly tested out the fledgling RMS. Without them this program would still be a series of wish lists.

- ***Iowa State University students***

  The partnership with Iowa State University and the Iowa DOT has provided us with the opportunity to tap into new ideas and many hours of extremely valuable coding. Without the students we could not have gotten this far.

- ***Designers and developers***

  The team of designers who have worked on this have been creative and shown great ingenuity in taking an idea and designing a very user-friendly system that we can all be proud of. We have benefitted from developers on other support teams who have worked hard to integrate their systems with ours.

- ***Testers and trainers***

  A lot of credit must go to the team of testers and trainers who work out the “kinks” and train other users on how to work shortcuts and other fancy stuff.

- ***Manual writer***

  A very special thanks to our Manual writer who works tirelessly to keep the RMS Manual up to date with the latest changes.

HAVE A NICE DAY!