Roadway Module

Roadway RM-205

Reporting Functions

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1 Introduction

1.1 Objective

This document explains the reporting features of the Enterprise Information Management System (EIMS). It describes how reports are organized, how to create the different types of reports, and how to share reports with others.

1.2 Report Types

In EIMS there are several report formats in which data can be viewed. These formats are listed in alphabetical order in Table 1-1, and also shown in Figures 1-1 through 1-5. Each report type is printer compatible.

Туре		Description	Example
GIS Report	8	This type of report combines a particular Geographic Information System (GIS) Map display with particular data inventory elements or ranges.	Figure 1-1
GIS Map		This type of file contains a saved view of the map, for optional use in Map windows such as for the GIS Report. The map file may be accessed or created from a Map window, using the map icons using the New Map / Open Map / Save Map functions.	Figure 1-2
Graph Report		Displays data in a graphical format. The system supports five general types of graphs: cumulative, distribution, conditional, general, and weighted average.	Figure 1-3
Jasper Report		This type of advanced report is configured by advanced users using open source software and custom scripting. Input data may be required for a Jasper report, for which the user is prompted with a dialog box. A Jasper report may include features of other report types such as a Graph or table. Jasper report writing is not in the scope of this document.	Figure 1-4
Standard Report	圃	Displays information in a continuous tabular format. Each module has its own set of Standard reports available	Figure 1-5

Table 1-1. Supported Report Types



Figure 1-1. GIS Report Example



Figure 1-2. GIS Map Example

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Figure 1-3. Graph Report Example

State Transportation Department FY 2013 Guardrail			WORK ORDER SUMMARY			Page: 1 of 1 Date: 08/22/2013 Time: 10.04 AM		
Management	101A -	DISTRICT 1			Start	Date:	06/12/2013	
Work Order #:	706074				End	Date:	06/12/2013	
Activity:	M324 -	METAL GU	ARDRAIL MAIN	TENANACE				
Sub-Activity								
Accomplishment:	0					Units:		
Comments:								
Inv. Element			Route	Starting N	AP Endin	g MP	Accomplishment	
US002 28.4 - 28.48 (00	1590)			28.40	28.	48	1.0	
LABOR TOTAL:		\$ 0.00		MATERIAL T	OTAL:	\$ 0.00		
EQUIPMENT TOTA	L:	\$ 0.00		OTHER COST	2	\$ 0.00		

Figure 1-4. Jasper Report Example

Std Rpt on BRIDGE_INVENTORY - 3172 Bonners Ferry Foreman									
8/22/2013 9:52:34 (1 Pages) Rows per page: All								All	
Structure Type Mater	rial Structure Type Desig	Bridge Name	Structure No	Deck Surface Type	Deck Condition	Length			
1 - Concrete	19 - Culvert	18760 - US095 - 48	5.63 S09520G 498.65	N - Not Applicable	N - Not Applicable	14			
1 - Concrete	19 - Culvert	18775 - US095 - 51	3.82 S09520G 527.35	6 - Bituminous	N - Not Applicable	10			
1 - Concrete	19 - Culvert	18780 - US095 - 51	6.44 S09520G 529.96	6 - Bituminous	N - Not Applicable	15			
1 - Concrete	19 - Culvert	18785 - US095 - 51	6.75 S09520G 530.28	6 - Bituminous	N - Not Applicable	10			
1 - Concrete	4 - Tee Beam	18790 - US095 - 51	8.79 09520G 532.32	6 - Bituminous	6 - Satisfactory Condition	33			
1 - Concrete	7 - Frame	18745 - US095 - 48	0.07 S09520G 493.10	6 - Bituminous	6 - Satisfactory Condition	16			
1 - Concrete	7 - Frame	18755 - US095 - 48	4.32 09520G 497.34	6 - Bituminous	6 - Satisfactory Condition	23			
1 - Concrete	7 - Frame	18772 - US095 - 50	9.22 09520G 522.41	6 - Bituminous	7 - Good Condition	23			
1 - Concrete	7 - Frame	18773 - US095 - 50	9.7 09520G 522.88	6 - Bituminous	7 - Good Condition	23			
1 - Concrete	7 - Frame	18774 - US095 - 51	0.5 09520G 523.68	6 - Bituminous	6 - Satisfactory Condition	28			
2 - Concrete Continuous	4 - Tee Beam	10030 - US002 - 69	.91 00220B 69.98	6 - Bituminous	6 - Satisfactory Condition	145			
3 - Steel	19 - Culvert	18768 - US095 - 49	4.44 S09520G 507.46	N - Not Applicable	N - Not Applicable	15			
3 - Steel	2 - Stringer/Girder	18750 - US095 - 48	3.89 09520G 496.92	1 - Concrete	7 - Good Condition	730			
3 - Steel	2 - Stringer/Girder	18765 - US095 - 49	4.23 09520G 507.25	6 - Bituminous	5 - Fair Condition	382			
4 - Steel Continuous	2 - Stringer/Girder	18770 - US095 - 49	4.54 09520G 507.57	1 - Concrete	6 - Satisfactory Condition	1380			
4 - Steel Continuous	9 - Truss-Deck	10035 - US002 - 69	.99 00220B 70.05	6 - Bituminous	6 - Satisfactory Condition	1222			
5 - Prestressed Concrete	2 - Stringer/Girder	18794 - US095 - 52	3.82 09520G 537.47	1 - Concrete	8 - Very Good Condition	129			
5 - Prestressed Concrete	2 - Stringer/Girder	18796 - US095 - 52	4.03 09520G 537.63	1 - Concrete	8 - Very Good Condition	282			
5 - Prestressed Concrete	2 - Stringer/Girder	18801 - US095 - 52	4.82 09520G 538.42	1 - Concrete	8 - Very Good Condition	250			

Figure 1-5. Standard Report Example

1.3 Reports Management Window

1.3.1 Introduction

Reports are accessible from the Reports menu of any EIMS module, including the Resources module. This menu opens a Reports Management window similar to Figure 1-6.

■ Reports	🗄 📲 Reports			
🖃 🗔 🗀 Reports	Report	On Dashboard	Public?	Shared (
🖃 🗌 🗀 My Reports	New GIS Report from GIS_BRIDGE_INVENTORY		\checkmark	
🖃 🥅 🦾 My Test Reports	New GIS Report from GIS_SUPPORT_INVENTORY		\checkmark	
GIS Rpt on BRIDGE_INVENTORY -	GIS Rpt on BRIDGE_INVENTORY - 3172 Bonners Ferry Foreman	\checkmark	\checkmark	
Graph Rpt on BRIDGE_INVENTORY Image: state state state Image: state state Image: state	New Graph Report from REPORT_LABOR_TIME		\checkmark	
B Std Rpt on BRIDGE INVENTORY -	D3 Material Cost by Foreman		1	<u>3</u>
New GIS Map	Graph Rpt on BRIDGE_INVENTORY 3172 Bonners Ferry Foreman	\checkmark	1	<u>39</u>
🔲 📊 New Graph Report from REPORT_LAB	Maintenance QC Field Data Collection Report		1	
	Gantt Report for Work Orders		1	
💽 🗌 Equipment PM Due (put filter for admin	Gantt Report for Work Requests with scheduled Work Orders		1	
	Work Order Summary Report		1	
Countral Entry reports Deports	Journal Entry Report (by Work Order #)		1	
Employee approved time - current payp	Journal Entry Report (by Admin Unit)		1	
Maintenance QC Field Data Collection	Journal Entry Report (By Admin Unit and Work Dates)		1	
New GIS Report from GIS_BRIDGE_IN	Jasper Report on Work Order Summary	\checkmark	1	
New GIS Report from GIS_SUPPORT_I New Graph Report from REPORT_LAB	Employee approved time - current payperiod		1	
Work Order Summary Report	PM Due Report		1	
Garden Grade Garden Streppert				

Figure 1-6. Reports Management Window Example

At left (Figure 1-6), the window displays a hierarchy of the various reports available. At right, it provides a tabular list of the same reports, with their configuration attributes. (Note: The actual report list the user sees in the Production EIMS may be different to that shown above.)

1.3.2 Window Layout

1.3.2.1 Reports Directory Pane

The Report directory pane at left organizes the reports according to access setting, using the default hierarchy of **My Reports**, **Public**, and **Shared**, each is explained in Table 1-2.

Folder	Description
My Reports	This folder is for the logged-in user. It contains all reports for which only the logged in user has access. The user may insert new reports into this folder, and insert new directories as needed to assist with organization, using simple commands explained in upcoming Table 1-4.
Public	This folder shows all reports where an originator has shared a report among all users of ODOT (agency-wide), and for which the logged-in user has sufficient privileges. Public reports are read-only. The folder structure for the Public directory is also read-only.

Table 1-2. Reports Pane Folders	Table 1-2.	Reports	Pane	Folders
---------------------------------	------------	---------	------	---------

Folder	Description
Shared	This folder shows all reports that have been shared among particular members of a Division/Cost Center, for which the logged-in user has access. The Shared folder structure is read-only and is based on the names of the originator who shared the report. When a report is shared among a Division/Cost Center, the originating user may specify read-only or read-write access. If read-write is applied, any changes made to that file by a "shared" user also affect the original file in the My Reports folder of the originator. However, if the file was originally configured as read- only, it will remain read-only.

1.3.2.2 Report Properties

You can view properties of a report (Figure 1-7) as listed in Table 1-3.

🗰 🖿 🔲 Reports	
Report	Columbiana Routes
On Dashboard	
Public?	
Shared	
Comments	
Right To See	3 - Read / Write
Date Update	2/10/2014
User Update	ROB
Report Owner	ROB
Report Type	GIS
Table Name	SETUP_NETWORK_LINES
Last Shown	2/25/2014

Figure 1-7. Report Properties Example

Label	Description
Report	This field shows the name of the report, as configured by the originator. The originator may edit this field to rename a report.
On Dashboard	This field indicates whether the logged-in user has added this report to his/her home screen (Dashboard), using the Add to Dashboard command. This is further explained in section 3.
Public?	This field indicates whether the originator shared the report at the ODOT level, using the Make Report Public command. This is further explained in section 3.

Label	Description
Shared	This field indicates the number of users with whom the report is shared. Its value includes a hyperlink that opens a pop-up window when selected. The popup window lists the names of all users with whom the report is shared. This is further explained in section 3.
Comments	This field is used to provide information to help the user better understand the report.
Right To See	This field shows the security level assigned to the report. Only users with at least the specified access level may view or edit the report.The security level is selectable, to the originator or system administrator, from a drop-down list of security levels. The levels enabled in the list are those equal to the user's security level or lower.
Date Update	This field shows when the report was last modified.
User Update	This field shows the name of the user who last modified the report.
Report Owner	This field shows the name of report's originator. Only the originator may change the Right To See setting or Delete the report.
Report Type	This field shows the type of report, among the types listed previously in Table 1-1.
Table Name	This field shows the name of the table or reporting view from which data for the report is drawn.
Last Shown	This field shows when the report was last viewed.

1.3.3 Reports Command in Report Directory Pane

The menu commands that are available for reports are based on the type of report selected, as explained in Table 1-4.

Label	Description			
Basic commands – My Reports folder				
Delete	This command deletes a selected empty folder or report from within the My Reports folder.			
Delete Selected	This command deletes any empty folders or reports selected by user by selecting a checkbox, from the My Reports folder.			
Insert Directory	This command inserts a new folder into the selected My Reports folder, for which the folder name is editable.			
Insert GIS Report	This prompts the user for which reporting view to use, and enters a new record, of which the report name is editable in the details pane at right. The Setup/Show Report function would then be used to configure the report and select Ok to update the report. Refer to section 2.2 for more details.			

 Table 1-4.
 Folder Commands (Left Pane)

Label	Description
Insert GIS Map	This enters a new record, of which the report name is editable in the details pane at right. The Setup/Show Report function would then be used to configure the map and save over the new map file. Refer to section 2.3 for more details.
	A more likely scenario for creating a GIS Map is to use a Save Map function from a Map window, rather than using this Insert function.
Insert Graph Report	This prompts the user for which reporting view to use, and enters a new record, of which the report name is editable in the details pane at right. The Setup/Show Report function would then be used to configure the report and select Ok to update the report. Refer to section 2.4 for more details.
Insert Jasper Report	This function prompts the user for a Jasper Report file to upload. Jasper Reports is an advanced Reporting tool that requires additional training not covered in this manual. Ask your Manager if you believe you need access to Jasper Reports.
Insert Standard Report	This prompts the user for which reporting view to use, and enters a new record, of which the report name is editable in the details pane at right. The Setup/Show Report function would then be used to configure the report and select Ok to update the report. Refer to section 2.6 for more details.
General Report Commands	
Add to Dashboard	This command places the selected report on the user's Dashboard (home page).
Copy Report	This command copies a file from the Public or Shared folder, and places it in the My Reports hierarchy.
Make Report Private	This command is only available for a report that was made public by the logged-in user. It removes the copy of the report from the Public folder. It may be initiated from either the Public folder or the user's My Reports folder. Refer to section 3 for more details.
Make Report Public	This command is only available from the My Reports folder, for a report that has not been made public by the logged-in user. The system copies the selected report to the Public folder, for ODOT use. The record shows a checkmark applied to the Public field, in the details pane, to signify that it has been shared with ODOT. Refer to section 3 for more details.
Schedule Report to be Emailed	This command allows the report to be sent to other EIMS users as an email attachment. The system displays the Schedule Report to be Emailed window, for specifying the emailing activity. Refer to section 3 for more details.
Setup/Show Report	This command is used to open a selected report other than a Jasper type. The resulting dialog box allows Setup to be viewed and/or modified along with viewing the Report.
Share Report	This command is available from the My Reports folder, for a report that has not been shared by the logged-in user. Refer to section 3 for more details.
Show Report	This command is only available for Standard (tabular) report. It allows the user to accept default columns and column labels. It opens a new browser window and displays the report using current data.

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Label	Description
Jasper Report commands	
Download Report	This is intended for advanced users and not covered in this manual.
Edit Jasper Subreports	This is intended for advanced users and not covered in this manual.
Insert/Update Report	This is intended for advanced users and not covered in this manual.
Show Report (Excel)	This command creates the report in a format readable by the Microsoft Excel application, and if this application is available, displays the report.
Show Report (HTML)	This command opens a new browser window and displays the report in a printer compatible format.
Show Report (PDF)	This command creates the report in a format readable by the Adobe Reader application, and if this application is available, displays the report.

2 How to Create or Display a Report

2.1 Getting Started Steps

- 1. Navigate to the Reports window: {module name} > Reports > Report.
- 2. To create a new report, proceed as follows. Otherwise, proceed to step 3. to copy a report for modification, or step 4. for only viewing an existing report.
 - a. In the Reports Management window, perform one of the following functions (Figure 2-1) on the My Reports folder:

	Donorto		
	Insert Standard Report		
T	Insert Graph Report		
	Insert GIS Report		
L	Insert GIS Map	ana Routes	
	Insert Jasper Report		
	Insert Directory	from BRIDGE_INVENT	
	Insert Finest Partition Report	eport from REPORT_V	
	Add to Dashboard	eport free	

Figure 2-1. New Report Commands Example

- Insert GIS Report
- Insert GIS Map (proceed to step c.)
- Insert Graph Report
- Insert Standard Report
- b. When prompted for the reporting view to report (Figure 2-2) (if applicable), use the drop list provided, and select the **OK** button.

	×
	*
OK	Cancel
	OK

Figure 2-2. Reporting View Selection Dialog Box Example

TIP! The Reports Management window (Figure 2-3) shows a new report, and the selected reporting view (Figure 2-2) appears in the **Table Name** field.

■■ Reports	Reports	
🖃 🗔 🗀 Reports	Report	New GIS Report from BRIDGE
🖃 🗔 🗀 My Reports	On Dashboard	
📄 통 Copy of Columbiana Routes	Public?	П
🔲 赵 New GIS Map	Shared	
New GIS Report from BRIDGE_INVENTOR	Comments	
🔲 🏾 Wew Standard Report from REPORT_WOR		
🔲 🏾 🕅 New Standard Report from BRIDGE_INVEI	Right To See	3 - Read / Write
🔲 🗋 New Finest Partition Report	Date Update	2/26/2014
📧 🗌 🗀 Public	User Update	TERESAC1
🗌 🗀 Shared	Report Owner	TERESAC1
	Report Type	GIS
	Table Name	BRIDGE_INVENTORY
	Last Shown	2/26/2014

Figure 2-3. Reports Management Window - New Report Example

- c. At any time, the user may edit the **Report** name, **Comments**, and **Right To See** fields (Figure 2-3) as required.
- 3. To copy a report to use as a baseline, for making modifications, perform the **Copy Report** function (Figure 2-4) from the row of the desired report's name.
 - a. Refer to step 2.c. above for editable fields.
- 4. In the My Reports directory at left, perform a **Setup/Show Report** function (Figure 2-4) from the row of the report's name, unless:
 - a. If an established Standard report is selected, the **Show Report** function (Figure 2-4) is offered, to accept defaults and open a tabular view directly.



Figure 2-4. Setup/Show Request Example

5. From the **Setup/Show Report** function, when prompted for setup parameters based on selected report type (Figure 2-5), proceed to the paragraph listed in Table 2-1.



Figure 2-5. Report Setup Dialog Box Examples

Setup Graph Report										
Setup Graph Data										
Filter							As of date:	System	~	
#+0										
Graph Type	e General	~	To Value	e						
Categor	Administrative Ur	nit 🔽	Number of Divisions	5						
Conditional Values	Att.	~	Condition Sign	n						
Distribution Colored by	1	~	Condition Value	e						
General (Weght by	ı									
Weighted avg	1 Total	~								
Accumulation	1									
Percent or Value	•									
Present b										
From Value										
FION Value	,									
< < 1 > >> Row 1 of 1 to	tal rows									
						Cancel	Create C	Copy	Ok	
	TIP! The	Ok butto	SETUP GR	_			/ing a nev	w repor	t.	
	<u> </u>	HUILI		_		ed when say			t.	
Filter S	how Report 🛛 🗖 🖸	lata Aggregation	n at the bott	om is only	enable		ving a nev	w repor	t.	
Filter S List of Columns Column Label	how Report C	lata Aggregation	n at the botto	om is only	r. Func.	ed when say			t.	
etup Standard Report Filter S List of Columns Column Label Month Usage	how Report 🛛 🗖 🖸	lata Aggregation	n at the bott	om is only	r.Func.	ed when say			t.	
Filter S Column Label Month	how Report C Show Order By Column	lata Aggregation	an at the botto	om is only	r.Func.	ed when say			t.	
Filter S Column Label Month Usage Att. Comments	how Report C Show Order By Colum V V	lata Aggregation	In Justification Data Aggr. F None None None	om is only	r. Func.	ed when say			t.	
Filter S Column Label Month Usage Att. Comments Date Update	how Report Colum Show Order By Colum V V V Colum V Co	lata Aggregation	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	•
Filter S Column Label Month Usage Att. Comments Date Update	how Report Colum	lata Aggregation	In Justification Data Aggr. F None None None	Func. Total Aggg None None None None	r. Func.	ed when say			t.	÷
Filter S Column Label Month Usage Att.	how Report Colum Show Order By Colum V V V Colum V Co	lata Aggregation	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	
Filter S Column Label Month Usage Att. Comments Date Update	how Report Colum Show Order By Colum V V V Colum V Co	lata Aggregation	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	_
Filter S Column Label Month Usage Att. Comments Date Update	how Report Colum Show Order By Colum V V V Colum V Co	lata Aggregation	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	_
Filter S I ● Ottst of Columns Column Label Month Usage Jate Comments Date Update User Update	how Report Colum Show Order By Colum C Column C C Column C C C C C C C C C C C C C C C C C C C	lata Aggregation	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	_
Filter S Columns Columns Month Usage Att. Comments Date Update User Update User Update Comers 5 Date Update Comments C	how Report	n Width Colum	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	_
Filter S Columns Columns Column Label Month Usage Att. Comments Date Update User Update User Update	how Report Colum Show Order By Colum V V V Colum V Colum V Colum V Column V Col	ake Group	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	_
Filter S Second Secon	how Report Colum Show Order By Colum V V V Colum V Colum V Colum V Column V Col	ake Group	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	4
Filter S Second Secon	how Report	ake Group	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	•
	how Report	ake Group	In at the bottom In Justification Data Aggr. If None None None None None None	om is only	r.Func.	ed when say			t.	4
	how Report	ake Group	In at the bottom In Justification Data Aggr. If None None None None None None	Func. Total Agg None None None None None None None None None	r.Func.	As of date:	System			4

Figure 2-5. Report Setup Dialog Box Examples (Continued)

Table 2-1.	Options	by Report	Type
	options	by Report	. Type

Туре	Options	
GIS Report	Setup and Display	Paragraph 2.2
GIS Map	Setup and Display	Paragraph 2.3
Graph Report	Setup and Display	Paragraph 2.4
Jasper Report	Display only	Paragraph 2.5
Standard Report	Setup and Display	Paragraph 2.6

2.2 Setup and Displaying a GIS Report

1. Perform the Getting Started Steps in paragraph 2.1.

TIP! The Setup GIS Report dialog box (Figure 2-6) is opened to the **Setup** tab.

Setup GI	S Report
etup	Report
Filter	
E + C Co	
	Administrative Unit
	Att.
	Bridge Current Condition
	Bridge ID
	Bridge Name
	Bridges Class Code
	Bridges Status
	Comments
	Date Update
<< < <mark>1</mark> 23	> >> Rows 1-9 of 27 tota

Figure 2-6. Setup GIS Report Dialog Box – Setup Tab Example (Repeated)

2. Adjust the Setup options (Table 2-2) as required, or proceed to step 3.

Label	Description
Color By	Placing a checkmark in the Select field of a column name (limited to one selection) causes all items of a certain type to be color coded.
Filter (button)	Opens a dialog box for entering filter criteria with which to restrict data used in the report.
As of date	This field, normally blank, allows the user to use reporting data matching a particular date rather than current data, by selecting the calendar button.

Table 2-2. GIS Reporting Options – Setup Tab

3. Select the **Report** tab (Figure 2-7) to display the data in a color-coded map.



Figure 2-7. Setup GIS Report Dialog Box - Report Tab Example (Repeated)

4. Using map pane menu options, listed in Table 2-3, configure the Report area of the dialog box as needed. Examples of usage are provided in the following steps.

Command	Description		
Print	This command places the map view into a new browser window, for printer compatibility.		
Edit Layer Properties This command opens the Layer Properties dialog box, which used to modify how the selected layer is shown on the map. (Note: Instead, the user may double-click on the layer name of symbol used for the layer.)			
Save As Layer	After modifying a layer, this command assists the user with saving the modifications. A saved layer can then be used with the Add Layer command.		
Add Layer	Used to add additional GIS layers to the default layers in the Map window, from the user's library of GIS layers, in a Layer Selection dialog box. The system will recall this selection for subsequent viewings of the Map window. Opens dialog box (Figure 2-8).		
Remove Layer	Used to delete the layer from the map and the list of layers. (Note: If the user only wishes to remove the layer from the map, but keep the layer available in the list of layers, clear the checkbox beside the name of the layer.)		
Copy Layer	This command copies the existing layer to the clipboard.		
Paste Layer	This command pastes the copied layer from the clipboard to the Map window.		
Show Labels	This command is used to display the text labels of inventory elements on the map.		
Hide Labels	This command removes labels from the map.		

Command	Description		
Show Attributes	This command displays the inventory items of the active layer.		
Set Layer ActiveThis command may be used to make a theme from which assets (features) can be selected. The system boldfaces the layer label to denote that it is the active layer.			
Zoom To Layer This command changes the magnification of the map so the entire of the layer is displayed.			
Save Map	This command assists the user with saving the currently displayed map as a new Report, from a dialog box (Figure 2-8).		
Save Map As PDF	This command opens the report in a format readable by the Adobe Reader application, from a dialog box (Figure 2-8).		
Open Map	This command displays the Map Selection dialog box (Figure 2-8). Select the desired GIS Map, and then click the OK button. The system then closes the dialog box and displays the selected map.		
New MapThis command removes all layers from the map other than those generated by the underlying window.			

- a. To configure the map pane, either: perform an **Open Map** function (Figure 2-8) to select an established GIS Map, and/or use map pane controls (i.e., the Pan ⁽¹⁾) icon) to center and zoom the viewing area.
- b. To add a layer to the map pane, perform an **Add Layer** function (Figure 2-8) to select an established layer.
- c. To save the GIS Report's map pane (such as for other use), use the **Save Map** and/or **Save Map as PDF** functions as prompted in Figure 2-8.

Select Map	<u> </u>			×
GIS Maps	GIS Maps			
🖃 🗔 🗀 Reports	Report	0	On Dashboard Publ	ic? Share
🖃 🗔 🗀 My Reports	 Columbiana Routes Map 			
🔲 🔝 New GIS Map	New GIS Map	[
📧 🗌 🗀 Public				
🗌 🗀 Shared				
	✓ III			
	<< < 1 > >> Rows 1-2 of 2 to	otal rows		
Name Columbiana Route	s Map	Ok	Canc	ei
	OPEN MAP / SAVE I	MAP – DIALOG BOX		
TIP! The Name	-	is only enabled when s	saving a map.	
Select Layer	X	,	0 1	
Saveu OIS Layers GIS Data Sources				
E Constant of the second s	GIS Data So			
Bridges Bridges	Point			
Sections Sections	Line			
Occitoria Occitoria	Enio			
		Map PDF Attributes	;	×
		Man Title		
		Map Title		
		Footer		
		Footer		
< < 1 > >> Rows 1-2 of 2 total rows	*			
Ok	Cancel		Ok	Cancel
ADD LAYER - DIALOG E	SOX	SAVE MA	P TO PDF – DIA	LOG BOX

Figure 2-8. Map Pane Option Examples

5. In the Setup GIS Report dialog box, use buttons provided (Figure 2-9) to apply updates (**Ok**) or exit the screen as follows (Table 2-4).



Figure 2-9. Setup GIS Report Dialog Box (Excerpt) – Buttons

Table 2-4.	Setup	GIS	Report	Dialog	Box –	Buttons
------------	-------	-----	--------	--------	-------	---------

Label	Description
Cancel	This button operates the same as the close icon.
Create Copy	Method for copying a report and modifying as needed.
Ok	This button appears enabled when first configuring a new report, for applying the selections.

6. Perform a **Save** function if the GIS Report has been created or modified.

2.3 Setup and Displaying a GIS Map

- 1. Perform one of the following:
 - Perform the Getting Started Steps in paragraph 2.1.
 - Perform a **Save Map** function from a map pane, such as in a GIS Report (paragraph 2.2).

TIP! The GIS Map appears in a Floating Map dialog box (Figure 2-10).



Figure 2-10. GIS Map – Floating Map Dialog Box Example (Repeated)

- 2. Adjust the map pane using the provided menu options, listed in Table 2-3, and/or the map pane icons, if applicable.
- 3. Save the map if changes are applied, with the prompt(s) shown in Figure 2-8.
- 4. When finished, close the window by way the close icon at upper-right.
- 5. Perform a **Save** function if the GIS Map has been created or modified.

2.4 Setup and Displaying a Graph Report

1. Perform the Getting Started Steps in paragraph 2.1.

TIP! The Setup Graph Report dialog box (Figure 2-11) is opened to the **Setup** tab.

Setup Graph Report									
Setup Graph Data									
Filter						As of date:	System	~	
# + 🗆									
Graph Type	General	~	To Value						
Category	Administrative Unit	~	Number of Divisions						
Conditional Values	Att.	~	Condition Sign						
Distribution Colored by		~	Condition Value						
General Weighted avg									
gregation	Total	~							
Accumulation									
Percent or Value									
Present by									
From Value									
<< < 1 >>> Row 1 of 1 total	rows								
					Cancel	Create C	ору	Ok	

Figure 2-11. Setup Graph Report Dialog Box – Setup Tab Example (Record View)

2. Adjust the Setup options (Table 2-2) as required, or proceed to step 3.

Label	Description				
Filter (button)	Opens a dialog box for entering filter criteria with which to restrict data used in the report.				
As of date	This field, enabled with a checkbox, allows the user to use reporting data matching a particular date rather than current data, by using the calenda button. It also includes a selection of the System date or Effective Date.				
	A General graph is used to plot any X-axis variable against a user- defined summarization of a Y-axis value.				
	A Conditional graph summarizes values only if the values pass a specified criterion (filter). This type of graph retrieves all of the rows in the reporting view that pass through the filter. It then calculates and reports the percentage of the measurement units that pass the conditional criteria, out of all measurements within that cell.				
Graph Type	A Distribution graph typically displays as a bar chart, and it shows summarized values of one variable plotted against another variable.				
	A Cumulative graph is used for building frequency or probability density, or cumulative probability-density functions, for selected variables.				
	A Weighted avg graph is used to plot any X-axis variable against a weighted average of a Y-axis value. This is similar to the General type of graph, except the aggregation function is always Average, and this is a Weighted Average, not a simple Average.				

Table 2-5. GIS Reporting Options – Setup Tab

Label Description					
Category	This field allows selection of the reporting view column that will be displayed along the X-axis of the graph. The system partitions the data by the Category value that the user selects in this field.				
Values	This field selects a reporting view column that will be displayed along the Y-axis of the graph.				
Colored By	This field selects a parameter with which to further partition the data as selected in the Category field. The field may be left blank, so the data is not further partitioned.				
Cond/Ditr/Weight by	 This field serves multiple purposes: Condition By: Used in a Conditional type graph for specifying the condition used. Distributed By: Used in a Distribution type graph, for specifying how the X-axis data will be divided according to settings in the fields labeled From Value, To Value, and Number of Divisions. Weighted By: Used in a Weighted Average type graph, for selecting the parameter for use in calculating a weighted average. 				
Aggregation	This field is enabled for a General graph type. It provides a list of functions (below) for applying to the Value field. The system will process the data for the Y-axis values within each Category and Colored By combination, according to the function selected in this field. Average Maximum Min Number of Records St. Dev. Total Variance				
Accumulation	This field is enabled for a Cumulative or Distribution graph type. It provides two choices for how the data is accumulated: Frequency and Cumulative. Frequency indicates how much exists, for each Category and Colored By combination. Cumulative takes the Frequency results and accumulates them for each Colored By level across all Categories.				
Percent or Value	This field is enabled for a Cumulative graph type. It offers the selections of Percentage and Value.				
Present by	This field determines how data is presented. Depending on the graph type, it provides Value and % options. Value means the real value will be shown. When the option includes %, the percentage of values compared to the total on the Y-axis of the graph will be shown.				
From Value	This field is enabled for a Cumulative graph type. It shows the value at the beginning of the X-axis (nearest the Y-axis).				
To Value	This field is enabled for a Cumulative graph type. It shows the value at the end of the X-axis.				
Number of Divisions	This field is enabled for a Cumulative graph type. It shows how the range between the From Value and To Value is divided with tick marks.				
Condition Sign	This field is enabled for a Conditional type graph for specifying the Conditional operator, such as greater than or less than.				
Condition Value	This field is enabled for a Conditional type graph, for showing the value of the Condition specified in Cond/Ditr/Weight by field.				

3. Select the **Graph** tab (Figure 2-12) to display the data in a Graph report.



Figure 2-12. Setup Graph Report Dialog Box – Graph Tab Example

- 4. To view and/or export the data that was graphed, select the **Data** tab, as required.
- 5. In the Setup Graph Report dialog box, use buttons provided (Figure 2-13) to apply updates (**Ok**) or exit the screen as follows (Table 2-6).



Figure 2-13. Setup Graph Report Dialog Box (Excerpt) – Buttons

Table 2-6.	Setup	Graph	Report	Dialog	Box –	Buttons
------------	-------	-------	--------	--------	-------	---------

Label	Description
Cancel	This button operates the same as the close icon.
Create Copy Method for copying a report and modifying as needed.	
Ok	This button appears enabled when first configuring a new report, for applying the selections.

6. Perform a **Save** function if the Graph report has been created or modified.

2.5 Displaying a Jasper Report

Jasper Reports require advanced custom scripting. This section describes how to open an existing Jasper Report but this manual does not covered development of Jasper Reports themselves.

1. Select a Jasper report, with a display option as follows (Table 2-7).

Label	Description
Show Report (Excel)	This command creates the report in a format readable by the Microsoft Excel application, and if this application is available, displays the report.
Show Report (HTML)	This command opens a new browser window and displays the report in a printer compatible format.
Show Report (PDF)	This command creates the report in a format readable by the Adobe Reader application, and if this application is available, displays the report.

Table 2-7. Jasper Display Commands

2. When prompted to Define Argument(s) in a dialog box (Figure 2-14), select or enter the necessary value(s), per the report's setup.

Define Argument(s)	×
# + □	
WO#	
<< < 1 > >> Row 1 of 1 total rows	
	OK Cancel

Figure 2-14. Jasper Report - Define Argument(s) Dialog Box Prompt Example

3. Select **OK** in the dialog box (Figure 2-14) to view the Jasper report (Figure 2-15) in the type of window selected.

State Transportation I FY 2013 Guardrail	Department		K ORDER IMARY			Page: 1 of 1 Date: 08/22/2013 Time: 10.04 AM
Management	101A - DISTR	ICT 1		Start	Date:	06/12/2013
Work Order #:	706074			End I	Date:	06/12/2013
Activity:	M324 - META	L GUARDRAIL MAIN	NTENANACE			
Sub-Activity						
Accomplishment:	0				Units:	
Comments:						
Inv. Element		Route	Starting N	IP Endin	g MP	Accomplishmen
US002 28.4 - 28.48 (00	1590)		28.40	28.4	48	1.0
LABOR TOTAL:	\$ 0.00		MATERIAL T	OTAL:	\$ 0.00	
EQUIPMENT TOTA	L: \$ 0.00		OTHER COST	:	\$ 0.00	
WORK ORDER		\$ 0.00		-		

Figure 2-15. Jasper Report Example

2.6 Setup and Displaying a Standard Report

1. Perform the Getting Started Steps in paragraph 2.1.

TIP! When **Setup/Show Report** is selected, the Setup Standard Report dialog box (Figure 2-16) is opened. If **Show Report** is selected, skip to step 4.

Setup Standard Report								×
Filter	Show Report	Data Aggregati	on			As of date: System		
List of Columns								
Column Label		Column Width	Column Justification		Total Aggr. Func.			
Month 🛛					None 🗸			
Usage	v		*	None 🗸	None 🗸			
Att.	V		~	None 🗸	None 🗸			
Comments			~	None 🗸	None 🗸			•
Date Update			~	None 🗸	None 🗸			1
User Update			*	None 🗸	None 🗸			÷
<< < 1>>> Rows 1-6 of 6	total rows							
Column Label	Sort Order	Make Group						
Month	Ascending							1
	-							
<< < 1>>> Rows 1-1 of 1	total rows							♣
						Cancel Create Copy	Ok	

Figure 2-16. Setup Standard Report Dialog Box Example (Repeated)

2. Adjust the Setup options (Table 2-8) as required, or proceed to step 3.

Label	Description
Filter (button)	Opens a dialog box for entering filter criteria with which to restrict data used in the report. The user would first select one or more records from the List of Columns pane.
Show Report (button)	Displays the report in a new browser window.
Data Aggregation	Selecting this checkbox means all records in the reporting view are summarized into a single record for each non-numeric column being included in the report, and the numeric values are summarized as a total.
As of date	This field, enabled with a checkbox, allows the user to use reporting data matching a particular date rather than current data, by using the calendar button. It also includes a selection of the System date or Effective Date.
List of Columns pane	This pane lists the columns available in the report, and it allows the columns to be selected/deselected (Show), and re-ordered from top to bottom (left to right). Large arrow buttons assist with arranging the columns.
Column Label	This field shows the name of a column available in the report.
Show	This checkbox ensures the column will appear in the report.
Order By	This checkbox ensures the column will be used to sort information in the report.

Table 2-8. Setup Standard Report Dialog Box Options

Label	Description
Column Width	This field specifies the width of the column in pixels. When not specified, the system enters a default value, matching the width needed to display the column label on one line. If the user makes the value smaller than the default value, the column label will be truncated to fit.
Data Aggr. Func.	When the Data Aggregation checkbox is selected above, numeric values are aggregated by what is selected in this column. Numeric value aggregates default to Total. To use a "group by" rather than an aggregate, the user may select None .
Total Aggr. Func.	This function is independent of the Data Aggregation checkbox above. If setting a value in this field, the column inserts a summary value for all records at the end of the report beneath the column being summarized, according to the method of summary selected.
Order By pane	This pane lists the columns available in the report, according to those with the Order By checkbox selected in the pane above
	The top-most listed column is the primary sort; the next one down is the secondary sort; etc. If necessary, change the sort order by selecting the column to be moved and then using the appropriate Up/Down arrow button at right.
Column Label This field shows the name of a column for which Order By check selected in the List of Columns pane.	
Sort Order This field indicates whether the column is to be sorted in Ascen Descending order.	
Make Group	This checkbox allows instances of the same type to be grouped together. It allows the user to summarize the data in the report for each unique instance, or for all instances. The Make Group checkboxes must be selected in order from top to bottom. In other words, the user may not select the checkbox for the second row of the table if the first row is not also selected.

- 3. Select the **Show Report button** (Figure 2-16) to display the tabular data.
- 4. Allow several seconds for the data to be processed, as indicated by a **Please wait...** dialog box (Figure 2-17).

Please wait	×
+0	
Time remaining 0s	
Hide Stop	
Hide Stop	

Figure 2-17. Please Wait... Dialog Box Example

TIP! The data appears in a new browser window (Figure 2-18).

8/22/2013 9:52:34	GE_INVENTORY - 3	51/2 Bonners F	erry Forem	an	(1 Pa	ages) R	Download CS ows per page: All
Structure Type Mater	ial Structure Type Design	Bridge Name	Structure No	Deck Surface Type		Length	
1 - Concrete	19 - Culvert	18760 - US095 - 485.63	3 S09520G 498.65	N - Not Applicable	N - Not Applicable	14	
1 - Concrete	19 - Culvert	18775 - US095 - 513.82	2 S09520G 527.35	6 - Bituminous	N - Not Applicable	10	
1 - Concrete	19 - Culvert	18780 - US095 - 516.44	\$09520G 529.96	6 - Bituminous	N - Not Applicable	15	
1 - Concrete	19 - Culvert	18785 - US095 - 516.75	5 S09520G 530.28	6 - Bituminous	N - Not Applicable	10	
1 - Concrete	4 - Tee Beam	18790 - US095 - 518.79	09520G 532.32	6 - Bituminous	6 - Satisfactory Condition	33	
1 - Concrete	7 - Frame	18745 - US095 - 480.07	7 S09520G 493.10	6 - Bituminous	6 - Satisfactory Condition	16	
1 - Concrete	7 - Frame	18755 - US095 - 484.32	2 09520G 497.34	6 - Bituminous	6 - Satisfactory Condition	23	
1 - Concrete	7 - Frame	18772 - US095 - 509.22	2 09520G 522.41	6 - Bituminous	7 - Good Condition	23	
1 - Concrete	7 - Frame	18773 - US095 - 509.7	09520G 522.88	6 - Bituminous	7 - Good Condition	23	
1 - Concrete	7 - Frame	18774 - US095 - 510.5	09520G 523.68	6 - Bituminous	6 - Satisfactory Condition	28	
2 - Concrete Continuous	4 - Tee Beam	10030 - US002 - 69.91	00220B 69.98	6 - Bituminous	6 - Satisfactory Condition	145	
3 - Steel	19 - Culvert	18768 - US095 - 494.44	\$09520G 507.46	N - Not Applicable	N - Not Applicable	15	
3 - Steel	2 - Stringer/Girder	18750 - US095 - 483.89	09520G 496.92	1 - Concrete	7 - Good Condition	730	
3 - Steel	2 - Stringer/Girder	18765 - US095 - 494.23	3 09520G 507.25	6 - Bituminous	5 - Fair Condition	382	
4 - Steel Continuous	2 - Stringer/Girder	18770 - US095 - 494.54	1 09520G 507.57	1 - Concrete	6 - Satisfactory Condition	1380	
4 - Steel Continuous	9 - Truss-Deck	10035 - US002 - 69.99	00220B 70.05	6 - Bituminous	6 - Satisfactory Condition	1222	
5 - Prestressed Concrete	2 - Stringer/Girder	18794 - US095 - 523.82	2 09520G 537.47	1 - Concrete	8 - Very Good Condition	129	
5 - Prestressed Concrete	2 - Stringer/Girder	18796 - US095 - 524.03	3 09520G 537.63	1 - Concrete	8 - Very Good Condition	282	
5 - Prestressed Concrete	2 - Stringer/Girder	18801 - US095 - 524.82	2 09520G 538.42	1 - Concrete	8 - Very Good Condition	250	

Figure 2-18. Standard Report Example (Repeated)

TIP! The browser window divides the rows into groups of 100 (or user selected multiple) to fit the screen and allow scrolling among pages. If the number of rows is <100, it shows "All."

5. To affect the display only, select a value from the **Rows per page** field (Figure 2-19, at left), if applicable. The display updates accordingly.

(481 Pages)	Rows per page:	CSV 100 200 300 400 500 600 700 800 900	(481 Pages)	Download Rows per page:	CSV XLS XLSX HTML XML
	ROWS SELECTION	300	DO	WNLOAD SELECTION	

Figure 2-19. Standard Report Example (Repeated)

- 6. To download the data, if applicable:
 - a. Select a format from the drop list (Figure 2-19, at right), such as the default file extension of Comma separated values (CSV).
 - b. Select the **Download** button to open a File Download dialog box (not shown).

- 7. When finished viewing the report, exit the browser window showing the report, by way the close icon at upper-right.
- 8. In the Setup Standard Report dialog box, use buttons provided (Figure 2-20) to apply updates (**Ok**) or exit the screen as follows (Table 2-9).



Figure 2-20. Setup Standard Report Dialog Box (Excerpt) – Buttons

Label Description	
Cancel	This button operates the same as the close icon.
Create Copy Method for copying a report and modifying as needed.	
Ok	This button appears enabled when first configuring a new report, for applying the selections.

Table 2-9. Setup Standard Report Dialog Box – Buttons

9. Perform a **Save** function if the Standard report has been created or modified.

3 Sharing, Making Public, Adding to Dashboard, and Emailing Reports

3.1 Share Reports

1. From the My Reports list in the Reports Management window, perform the **Share Report** function (Figure 3-1) on the appropriate report.

Share Report	
--------------	--

Figure 3-1. Share Report Menu Option

- 2. When prompted to identify a Share Group, in the Report Group Sharing dialog box (Figure 3-2), identify the applicable Group name(s) at left or create a group.
 - a. To create a Share Group, perform an Insert in the **Groups** pane, and identify users in the **Individuals** pane at right, and/or by using a combination of the **Security Profiles** pane and **Admin. Units** pane at center.

Report Group Sharing						
🗉 🕈 🗉 Groups	Security Profiles			🗉 🖿 💷 Individuals	;	
Group Name Shared Sharing Type Comments	Access Profile	Select	*	Added By Role	Added Individually	User ID
Sign Shop 🔽 Read Only 🗸	System Role		Ε	•		AMANDAP1
	MMS			Γ	$\overline{\checkmark}$	CSHEPHER
	Fleet - User					ABIGAYLEB1
	FACILITIES					
			-			
	<< < 12 3 4 5 6 7 8 9 10 > >> Rows 1-	4 of 40 total rows				
	Admin Units					
	0000 0000 - ODOT Statewide		-			
	🛃 🥅 0001 - Division 01		=			
	📧 📝 0002 - Division 02					
	📧 🥅 0003 - Division 03					
	📧 🥅 0004 - Division 04					
	📧 🥅 0005 - Division 05					I
	📧 🥅 0006 - Division 06					
< <u> </u>	🕨 🖃 0007 - Division 07			_		
<< < 1 >>> Rows 1-1 of 1 total rows	Image: A contract of the second se			<< < <mark>1</mark> > >> Rows	1-3 of 3 total rows	
						01/
			C	ancel		OK

Figure 3-2. Report Sharing Dialog Box Example

3. Next to the **Group Name**, select the **Shared** checkbox in order to share the report with the specified group, or clear the checkbox in order to un-share the report, as applicable.

TIP! If **Shared** is checked, the specified group members will have access to a Shared subdirectory bearing the originator's name and his/her report. If cleared, the subdirectory and/or report will be removed from the specified group members' Shared directory.

- 4. If the **Shared** checkbox is selected, select the **Sharing Type** field as Read Only or Read/Write for the group, depending on user permissions, as needed.
- 5. Enter any information about the Share Group into the **Comments** field, as required.
- 6. Select the **OK** button to apply changes and exit the dialog box.

TIP! The report details now show the **Shared** status (Figure 3-3) as a blank field if not the report is not shared, or as a value and hyperlink for showing the shared users.

🗰 🛨 💷 Reports	
Rep	New GIS Report from BRIDGE
On Dashboa	rd 🕅
Publi	c?
Shar	ed <u>2</u>
Commer	ts
Right To S	ee 3 - Read / Write
Date Upda	te 2/26/2014
User Upda	te TE

Figure 3-3. Report Sharing Status Example

7. Perform a **Save** function if the sharing status has been created or modified.

3.2 Make Reports Public

 From the My Reports list in the Reports Management window, select a function on the appropriate report, depending on its status to enable the proper function (Figure 3-1): Make Report Public or Make Report Private.

Make Report Public	
Make Report Private	

Figure 3-4. Share Public/Unshare Public Menu Options

TIP! The report details now show the **Public** status (Figure 3-5) as a checkmark, if made globally available to the agency, or appears as a blank checkbox if private.

🗰 🖿 🔳 Reports	
Report	New GIS Report from BRIDGE
On Dashboard	
Public?	
Shared	2
Comments	
Right To See	3 - Read / Write
Date Update	2/26/2014
User Update	TE

Figure 3-5. Report Sharing Status Example

2. Perform a **Save** function if the Public status has been created or modified.

3.3 Add Report to Dashboard

This function is used to place a report on the logged in users Dashboard (based on Module).

1. From the Reports Management window, select the **Add to Dashboard** function (Figure 3-9) on the appropriate report.

Add to Dashboard	
------------------	--

Figure 3-6. Add to Dashboard Option

- 2. Proceed to select **OK** in the dialog box (Figure 3-7), unless:
 - a. For a Jasper report, select the **Define parameters** button as enabled in the dialog box (Figure 3-7).

Add to Dast	iboard		X
Add to dash	board?		
Define p	arameters		
		 	_
	Ok	Cancel	

Figure 3-7. Add to Dashboard Dialog Box Example

- b. When prompted to Define Argument(s) for a Jasper report (as in Figure 2-14), select the value from the drop list(s) per report's setup, and select **OK**.
- c. In the Add to Dashboard dialog box (Figure 3-7), select **OK**.
- 3. To view the Dashboard shortcut, select the **Home** icon in the left gutter area of the window to see the user's enabled Dashboard reports in the current module (Figure 3-8).



Figure 3-8. Dashboard Reports Example

- 4. To resize or reposition a Dashboard report (Figure 3-8), the user may:
 - Double-click the title of a pane to fill the entire window, or double-click again to restore the pane size.
 - Resize the pane by dragging the edge or the pane, or drag the whole pane to a new position as desired.
- 5. To modify a Dashboard report shortcut, the user has the following options (Table 3-1).

Command	Description
Delete Report	This command removes the report from the Dashboard but not from the Reports Management window.
Refresh Report	This command causes the system to regenerate the report with the latest data.
Print	This command carries the report into a new browser window, for printer compatibility.

Table 3-1. Dashboard Report Commands

6. Perform a **Save** function to apply Dashboard report changes.

3.4 Setting a Schedule for Reports to be Emailed

This function is used to create a schedule for emailing reports to select recipients, or to create a one-time email.

1. In the Reports Management window, select the **Schedule report to be Emailed** function (Figure 3-9) on the appropriate report.

Schedule report to be emailed

Figure 3-9. Schedule Report to be Emailed Option

- 2. In the Email Schedule dialog box (Figure 3-9), proceed as follows:
 - a. Configure the upper pane by using the fields listed in Table 3-2, as required, and the menu options listed in Table 3-3, as required.

Schedule report to be	emailed						×
Report Maintenance Q	C Field Data Co	llection Repo	rt				
schedules for the schedules							
	CRON EXPR	Disabled	MESSAGE	Start Time	End Time	REPORT ARGS	Format
<mark>⊮</mark> Name	0 0 12 ? * TUE	*	}	2/27/2014 0:00:	3/28/2014 0:00	}	HTML (*.html) 🗸
<< < 1 > >> Rows 1-1 (of 1 total rows						
• emails for the	schedule						
	Iser ID USER I	MAIL	Co	ру			
N	OMITRIY Dmitri	.Larin@dot.s					
	·····		· · · · · · · · · · · · · · · · · · ·				
-							
<< < <mark>1</mark> > >> Rows 1-1 (of 1 total rows						
						Apply now	Ok Canc

Figure 3-10. Email Schedule Dialog Box Example (Jasper Report Selected)

Table 3-2. Fields in the Schedules for the Report Pane																																									ł	;	;	3	3	3	E	e	e	6	((1	1)))))	1	1	1	1	1	1	1	1	1	1	(((((((e	(((((((((((((((1	1	1	1	1	1	1	1	1	1	1	1)	J	۱	J	J	J	J	۱	J	٦	٦	r	r	r	r	r	r	r	r	ľ	t	3	2	ć	כ	F		t	ľ)	(2	ÿ	e	2	3	F		;	3	e	16
--------------------------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	---	---	--	---	---	---	----

Label	Description
Schedule Name	This field shows the name of a schedule applied to the selected report.
Cron Expression	This field enables the Command Run On (CRON) expression; this simply refers to the setting of the time period of Start Time and End Time fields. It requires use of the Set Schedule command.

Label	Description
Disabled	When this checkbox is selected, the schedule is disabled and the system will not distribute the selected report.
MESSAGE	This field requires selection of the Edit email message command, to determine what message is shown in the email.
Start Time	This date field sets the beginning of the time period in which the CRON expression will be processed, to distribute the selected report.
End Time	This date field sets the ending of the time period in which the CRON expression will be processed, to distribute the selected report.
Jasper Report Fields – Advanc	ed User
Report Args	This Jasper related field requires selection of the Define Arguments command, to determine what data is shown in the distributed report.
Format	This Jasper related field requires selection of the format for viewing the distributed report, from the drop list.

T	
I able 3-3.	Commands in the Schedules of the Report Pane

Command	Description
Set Schedule	This command is used to establish when the report will be distributed. It opens the CRON Expression Editor dialog box (Figure 3-11), and places an abbreviated version of the expression in the CRON Expression filed.
Edit email message	This command opens a Message dialog box (Figure 3-11), for editing the message to appear the Message field in a text editor.
Define Argument(s) This command is only applicable for the Report Args field when selecting a Jasper report. It satisfies the inputs for the report.	
Email Now	This command sends the report immediately, to the specified recipients, rather than at a scheduled time.

	CRON expression editor
	Ok Cancel
	CRON EXPRESSION – DIALOG BOX
Email message B I II ABS III Styles Paragraph Font family Font size I III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
	Ok Cancel
	EDIT MESSAGE – DIALOG BOX

Figure 3-11. Schedules for the Report Pane - Dialog Box Examples

b. With the schedule name selected in the upper pane, enter individual email recipients into the lower pane (Figure 3-12), by using either of the following Insert commands (Table 3-4).

🗉 🗣 🗉 emails for the schedule			
Email	User ID	USER EMAIL	Сору
H	D08JB2	jburnie@dot.state.oh.us	To 🗸
			То
			Carbon Copy
			Blind Carbon Copy

Figure 3-12. Emails for the Schedule Pane Example

Command	and Description	
Insert	This command establishes a blank row, in which the user may manually enter the recipient's email address in the Email field.	
Insert Users Email Address	This command allows the user to select among user email addresses, in a dialog box (not shown), for which selection is applied to the USER EMAIL field.	

Table 3-4.	Commands in the Emails for the Schedule Pane
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- c. For each recipient specified, specify on what address line of the email the user will be notified, using the **Copy** field's drop list (Figure 3-12), as needed.
- When the Email Schedule dialog box (Figure 3-9) has been configured, use buttons provided (Figure 3-13) to apply updates (**Ok**) or exit the screen as follows (Table 3-5).



Figure 3-13. Email Schedule Dialog Box (Excerpt) – Buttons

Table 3-5.	Email Schedule	Dialog Box -	- Buttons
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Label	Description
Apply Now	This button saves the data in the dialog box and also performs the Email Now command.
Cancel	This button discards any changes made to the dialog box and closes the dialog box.
Ok	This button saves the data in the dialog box and closes the dialog box.

4. Perform a **Save** function if the email schedule has been created or modified.

4 Preconfigured Reports

The following is a list of reports that are planned to be built for the Fleet module for go-live. They are not available for End User training.

- Graph reports
 - o Snow & Ice Direct Costs
 - o Stacked 11 fiscal year (FY) Monthly Direct Costs for Snow & Ice
 - o Winter Operations Costs: 10 Year Average vs. Current FY
- Jasper reports
 - Snow & Ice Metrics for year to date (YTD)
- Standard (tabular) reports
 - o Accident Damage Claim Actual Costs Report
 - Activity Cost per Unit of Accomplishment
 - o Activity Production Rates
 - o Asset Details
 - o Budget Plan
 - o County Work Summary
 - o Direct / Indirect Costs
 - o Equipment Inventory Status
 - Force Account Audit
 - Force Account Project Report
 - Labor Hours Per Pay Period
 - o Labor, equipment, materials, and accomplishments (LEMA) Check
 - Linear Referencing System (LRS) Details
 - o Plan vs. Actual
 - o Shared Equipment
 - Snow and Ice Summary by Month
 - Work Order Details (various reports)
- Custom "Ad-Hoc" reports may also be created by the user.

5 Notes

5.1 Acronyms and Abbreviations

CRON	Command Run On (scheduling function)
CSV	Comma separated values
EIMS	Enterprise Information Management System
FY	Fiscal year
GIS	Geographic Information System
LEMA	Labor, equipment, materials, and accomplishments
LRS	Linear Referencing System
YTD	Year to date

5.2 Applicable Documents

EIMS Security RolesMatrix of security roles and applicable functions, grouped by moduleEIMS Activity CodesMatrix of program activity codes, names, and attributesEIMS Business
RulesDocument of EIMS business rules