
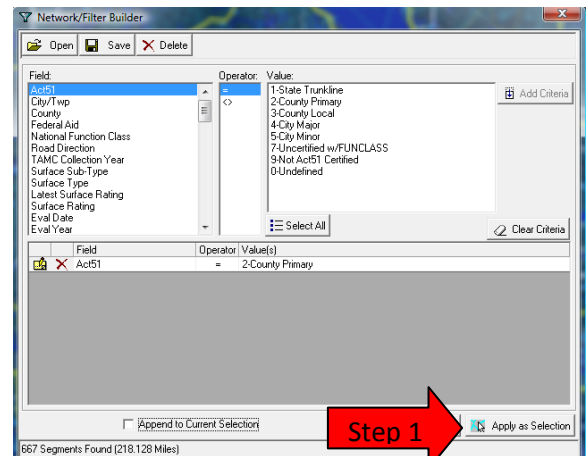



Building a List of Weight Restricted Roads in RoadSoft

Agencies that need to generate a list of roads which are weight restricted for publication or posting can do so quickly and easily in RoadSoft. The road restriction type can be user defined for each road segment in the “*Inventory Segment*” tab of the “*Road Module*”. If you have not already entered the road restriction type for all road segments in your jurisdiction you can do so quickly using the map to select roads which have similar restrictions then use the multi edit function in the road module to edit them as a group. The fastest method for identifying weight restricted roads is to manually build a network of non-weight restricted (all season) roads first, since this is usually a smaller road network and the absence of this criteria can be used to denote weight restricted roads.

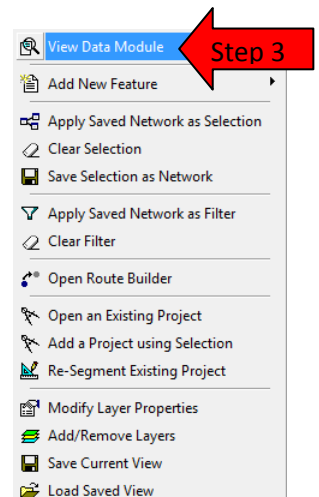
To Do A Multi Edit:

Step 1: Use the “*Network and Filter Builder*”  to create a network from criteria such as national functional class or Act 51 class to select roads that are not weight restricted. The criteria used for the network does not have to include every road which is not weight restricted. You will be able to manually add or remove roads from the network in Step 2. Select “*Apply As Selection*” for the network criteria. The roads which meet the criteria will be highlighted on the map.



Step 2: Use the map select function to manually add or remove roads to the network by holding the “*Shift*” key down and clicking on the selected roads on the map. When all roads which are not weight restricted are highlighted click the “*Network and Filter Builder*” button  and select “*Save Selection as a Network*”. You will be asked to give the network a name and save the network.

Step 3: With the road network highlighted, right click the map and select “*View Data Module*”. This will open the Road Module.



Step 4: In the Road Module click the “*Multi Edit*” button. This will open the “*Inventory segment Multi Edit*” window. See next page.

Step 5: In the “*Inventory segment Multi Edit*” window select the “*Edit all selected PR’s*” check box then

Step 6: Select the road restriction type from the “*Restriction*” drop down menu and select “*Apply Changes*”. You will see a warning window telling you that you are about to edit multiple road segments at the same time, click “*OK*” to proceed with the change.

Even if you have not identified all of your roads which weight restricted you can still use RoadSoft to generate a list of road names which can be hand sorted based on road restriction – See the **Tip** on exporting all road names at the end of this article to see how.

Road Module

Guides: 0.500

PR: 1726903: E Trask Lake Rd

Inventory Segment | Surface Type Segment | Rating Segment

Save | Undo | Segme | **Step 4** | Multi-Edit | Split

0.805 - 0.896 | 0.896 - 1.284 | 1.284 - 1.568 | **1.568 - 2.633** | 2.633 - 2.693

Identification

Segment Name: E Trask Lake Rd

From Description: Seasonal Sign

To Description: Twp Line

Maintained By:

Yr Last Resurfaced: 0

on (not weight restricted)

R Width (ft): 0

Multi-Edit

Edit Shoulder

Memo

1994 Loose Sand Road. Rutting. Potholes. No Drainage.K.P
1999 SEASONAL ROAD 1.37 mi. seasonal

County Left | Right: Alcona

City Twp Left | Right: Haynes Twp

Act51 | NFC: County Local | Rural Local

Inventory Segment Multi-Edit

City/Twp: Surf Width:

Maintained By

Edit all selected PRs

Restriction: **All Season (not weight restricted)**

Restriction Details:

Bmp	From Desc	City/Twp	Width	Lanes	Right Of Way	Main By	Restriction	Restricti...
1.012	Sawmill Rd.	Curtis Twp	22	2	66	<input checked="" type="checkbox"/>	Not designated	
1.497	Wallace Rd.	Curtis Twp	22	2	66	<input checked="" type="checkbox"/>	Not designated	
1.983	Bell Rd.	Curtis Twp	22	2	66	<input checked="" type="checkbox"/>	Not designated	
2.482	Hoskins Rd.	Curtis Twp	22	2	66	<input checked="" type="checkbox"/>	Not designated	
0.000	Banfield Rd.	Curtis Twp	28	2	66	<input checked="" type="checkbox"/>	Restricted Load	
0.170	Middleton Rd.	Curtis Twp	28	2	66	<input checked="" type="checkbox"/>	Restricted Load	
0.473	DeMotte Rd.	Curtis Twp	28	2	66	<input checked="" type="checkbox"/>	Restricted Load	
0.987	Healy Rd.	Curtis Twp	28	2	66	<input checked="" type="checkbox"/>	Restricted Load	
1.767	Garrett Rd.	Curtis Twp	28	2	66	<input checked="" type="checkbox"/>	Restricted Load	

427 Selected Segments: All PRs

Apply Changes | Cancel

Step 5

Step 6

To Generate A List Of All Weight Restricted Roads:

Step 1 In the top line menu of RoadSoft go to: “Reports” then “Road Reports”.

Steps 2-5 occur in the Road Report window:

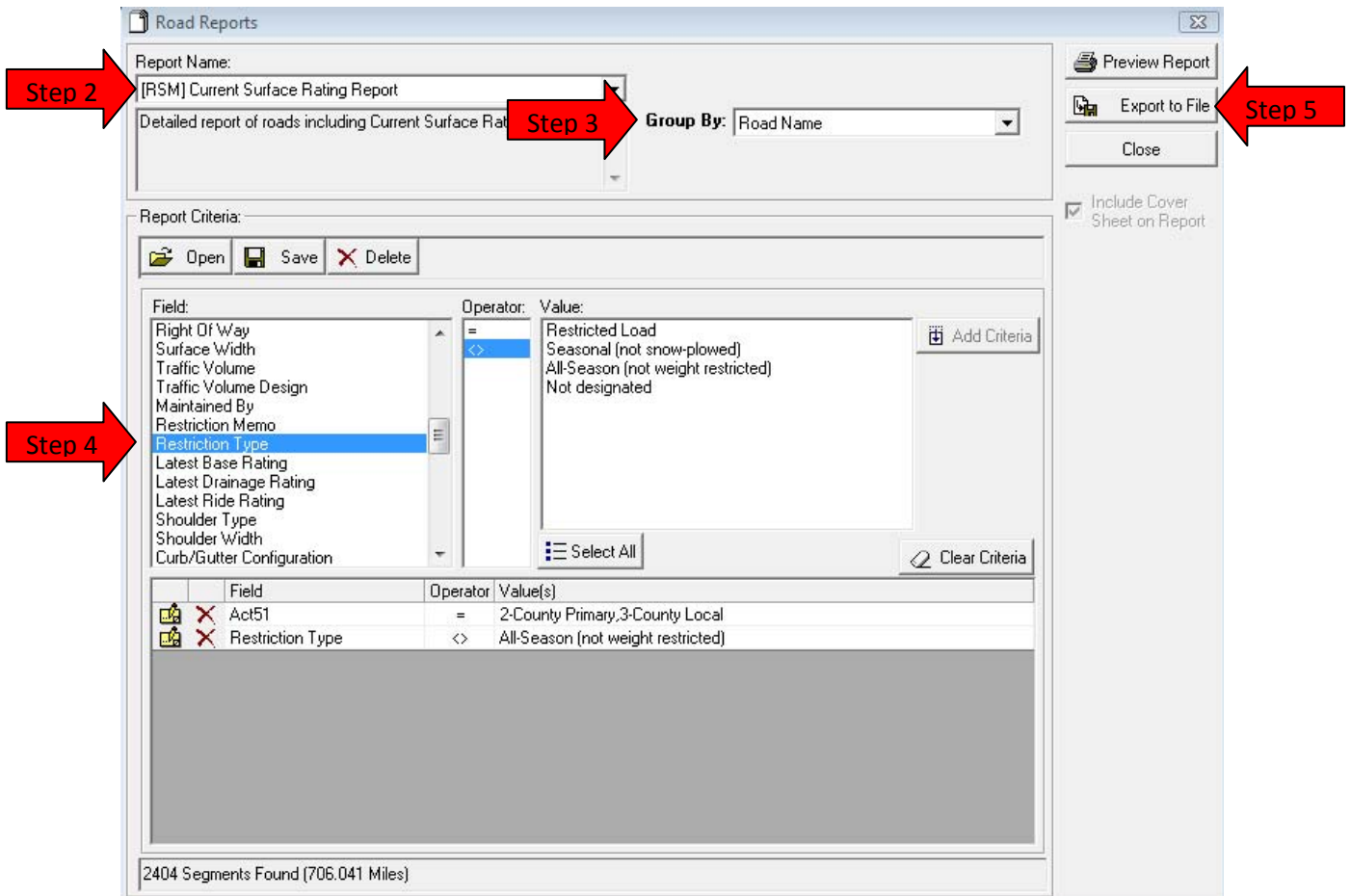
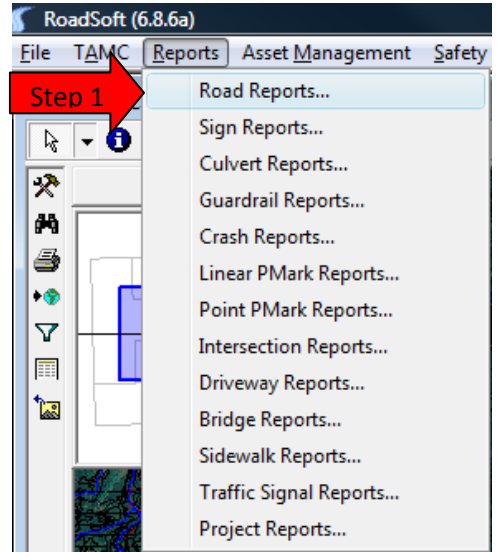
Step 2 In the Road Report drop down box, select “(RSM) Current Surface Rating Report”.

Step 3 In the “Group By” drop down box select “Road Name”

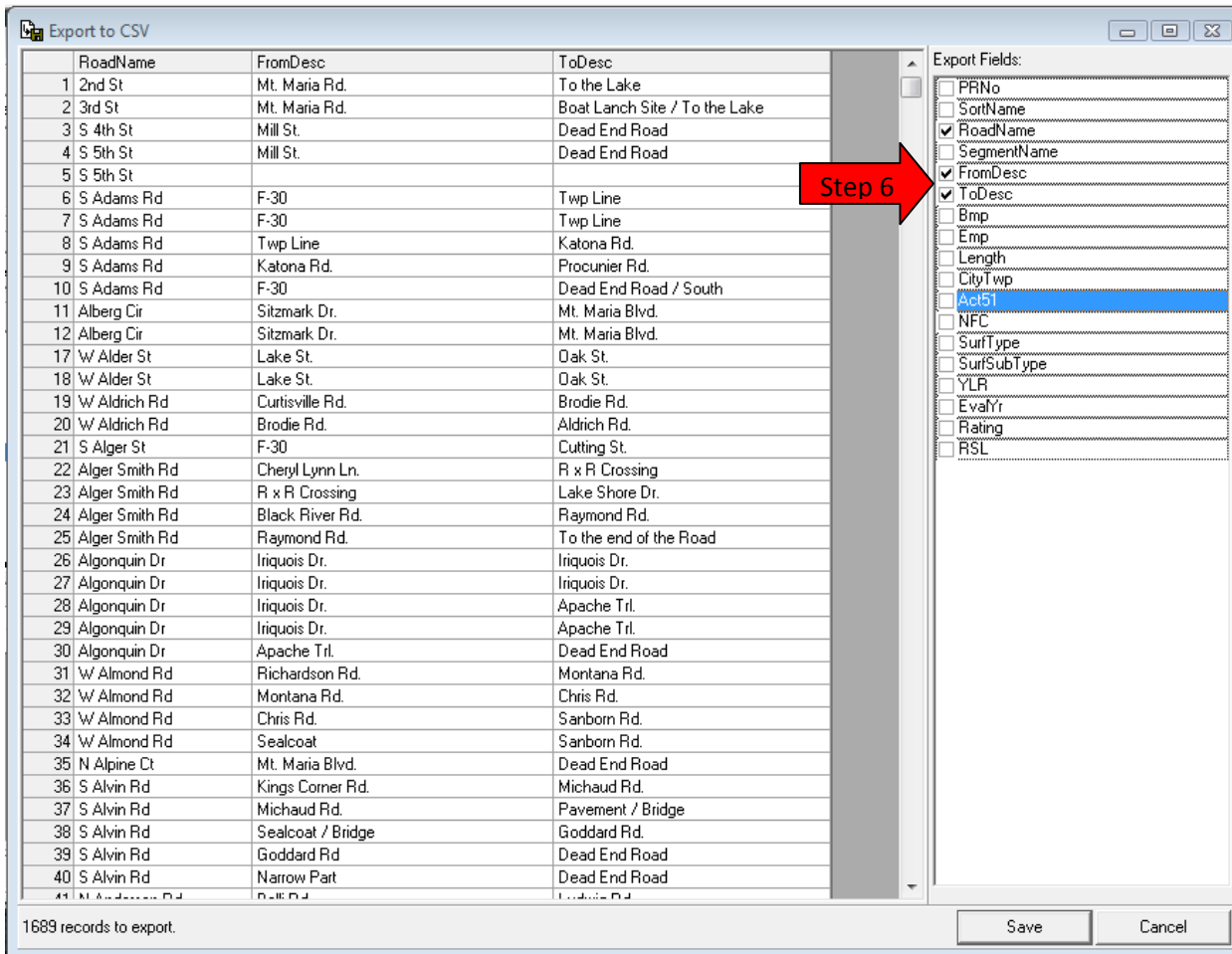
Step 4 In the report criteria select the Act 51 road classification that you wish to report on by selecting: “Act 51 =” then the road class you would like (Example: County Primary and County Local Roads). In the report criteria add: “Restriction Type <> All Season (Not Weight Restricted)”

NOTE: all of the non-weight restricted (all season) roads in the network must be identified for this network criteria to work correctly to identify all weight restricted roads.

Step 5 Click the “Export to File” Button and the “Export to CSV” window will open.



Step 6 In the “Export to CSV” window unselect all export fields except “Road Name”, “ToDesc” and “FromDesc” then click “Save” and select the name and location which you wish to save the comma separated value (CSV) file.



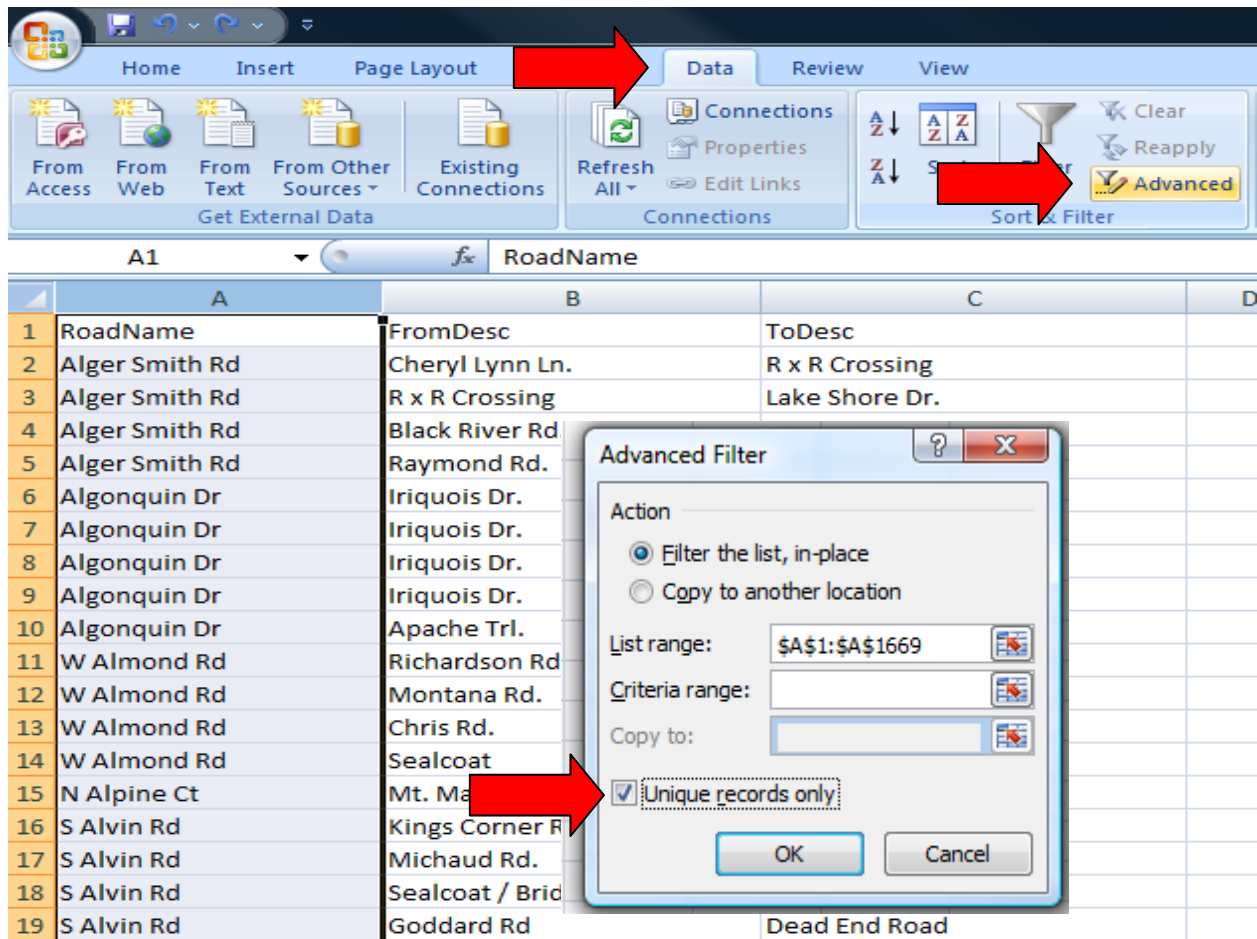
The saved CSV file can be opened in Microsoft Excel and manipulated further. Road names provided in the RoadSoft export are the names listed in the current version of the Michigan Geographic Framework base map. On occasion road segments may be known locally by other names than as listed in the Michigan Geographic Framework, so careful review of road names prior to publishing is necessary.

TIP – Exporting All Road Names:

If an agency has not yet entered all of the road restriction information into RoadSoft a list of all road names can be generated which can be hand sorted outside of RoadSoft. Follow the above instructions with the exception of Step 4 - Omit “Restriction Type <> All Season (Not Weight Restricted)” as a report criteria.

TIP – Deleting Duplicate Names In The CSV:

The CSV export in RoadSoft will have a listing of all segments on a road which meet the criteria (see example below). To quickly remove duplicates where the to and from description are not needed without the need to go through each road name line by line you can use the “Advanced Filter” function in Excel 2007 or Excel 2003. Open the CSV in Excel 2007 and highlight the Road Name Column (usually column A). Go to the “Data” Tab and click the “Advanced” button in the filter heading. In the Advanced Filter dialog click the “Unique Records Only” check box and select “OK”. The filtered names can then be copied and pasted into a Word document as a table.



The screenshot shows the Microsoft Excel 2007 interface. The 'Data' tab is active in the ribbon. In the 'Sort & Filter' group, the 'Advanced' button is highlighted with a red arrow. The 'Advanced Filter' dialog box is open, showing the 'Unique records only' checkbox checked. The spreadsheet data is visible in the background.

	A	B	C	D
1	RoadName	FromDesc	ToDesc	
2	Alger Smith Rd	Cheryl Lynn Ln.	R x R Crossing	
3	Alger Smith Rd	R x R Crossing	Lake Shore Dr.	
4	Alger Smith Rd	Black River Rd		
5	Alger Smith Rd	Raymond Rd.		
6	Algonquin Dr	Iriquois Dr.		
7	Algonquin Dr	Iriquois Dr.		
8	Algonquin Dr	Iriquois Dr.		
9	Algonquin Dr	Iriquois Dr.		
10	Algonquin Dr	Apache Trl.		
11	W Almond Rd	Richardson Rd		
12	W Almond Rd	Montana Rd.		
13	W Almond Rd	Chris Rd.		
14	W Almond Rd	Sealcoat		
15	N Alpine Ct	Mt. Ma		
16	S Alvin Rd	Kings Corner R		
17	S Alvin Rd	Michaud Rd.		
18	S Alvin Rd	Sealcoat / Brid		
19	S Alvin Rd	Goddard Rd	Dead End Road	

If you encounter problems generating a list of road names in RoadSoft call the technical support line at (906)487-2102.