

# TransCAD Quick Tips

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Tag & Aggregate

# Tag & Aggregate

- Example: Summarize data in one file to another spatially.
- Tag Example: Traffic counts in node layer. “Tag” from nodes into a line (network) layer.
- Aggregate Example: Summarize data in node, vector, or polygon to polygon.
  - Total Employment or crashes by TAZ (node to polygon).
  - VMT by TAZ (link to polygon)

# Tag & Aggregate

- Open dataview of destination Std. Geo. file
- Right click on field to be summarized and select Fill.

The image illustrates the process of performing a Tag & Aggregate operation in a GIS software. It shows a data table with a context menu open over a field, highlighting the 'Fill...' option. An arrow points from this option to the 'Fill' dialog box, which is set to 'Tag Using layer' and 'Tag with REPORTTYPE'. The 'Aggregate' radio button is circled, and an arrow points from it to the 'Aggregate Data' dialog box, which is set to 'From Layer zshp\_county\_25\_2009' and 'Fill with Count'.

T_2003	Crash_2001	Crash_2002	Crash_2003
563918			3
343396			0
376809			1
487925			3
287049			7
735655			
029329			
484947			3
783065			12
847383			1
420873			0
498919			1
658670			7
684245			10
662683			10
989824			8
159047	1	0	0
285007	2	2	1

**Fill**

Fill Method

Single Value

Sequence Start 1 Step 1

Formula

Tag Using layer zshp\_county\_25\_2009

Tag with REPORTTYPE

Aggregate

OK Cancel

**Aggregate Data**

From Layer zshp\_county\_25\_2009

Include All Features

Band size 0 Miles

Fill with Count

Aggregate Settings

Fill with Count

Total

Average of

StdDev of

Low Value of

High Value of

Count

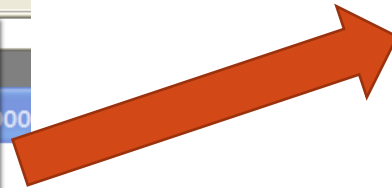
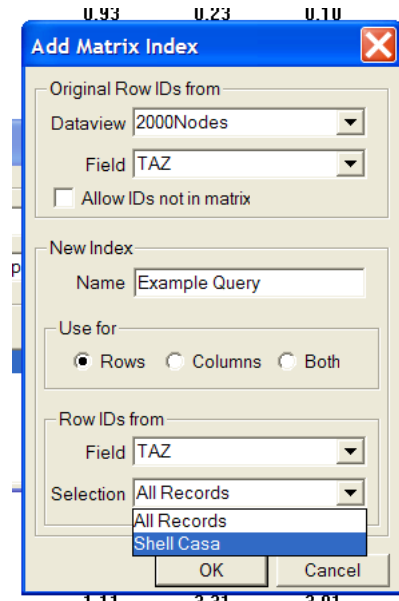
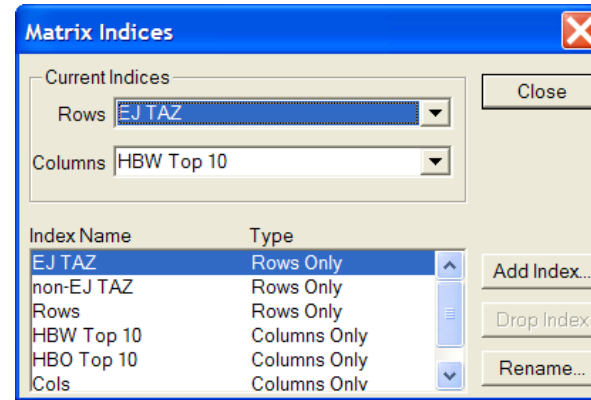
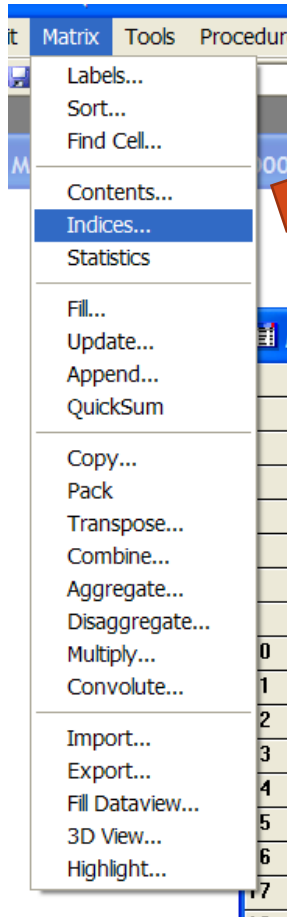
# Matrix Indices

# Matrix Indices

- Required Files:
  - Matrices (OD, Impedance etc)
  - Std Geo file (.dbd)
- Create Selection Set
  - Example: OD of selected centroids to all centroids or vice versa
- Must have matrix active.

# Matrix Indices

- Matrix>Indices...

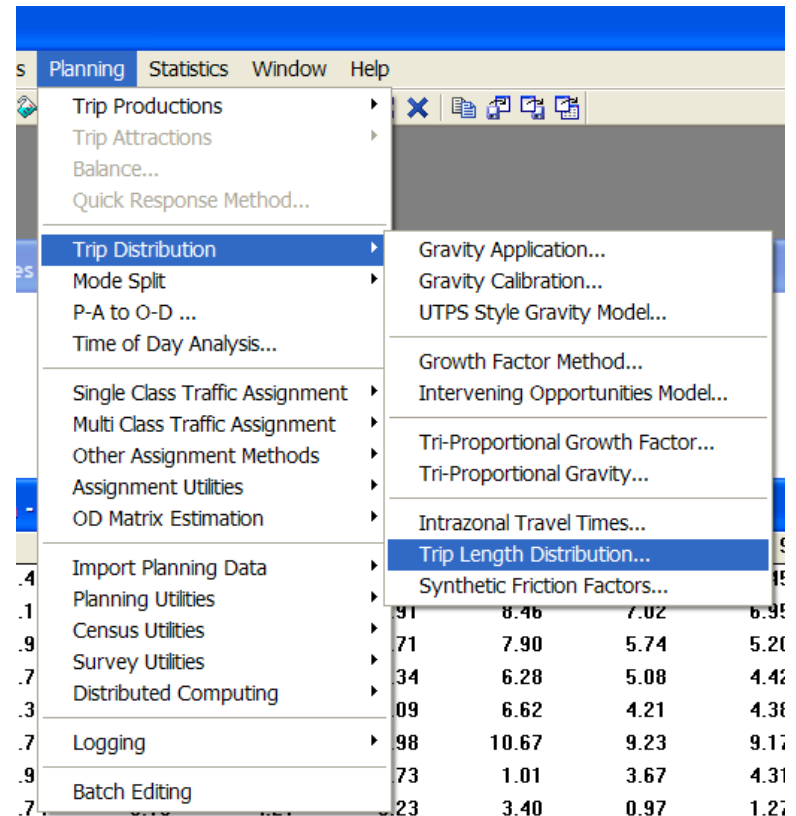


# Trip Length Distribution



# Trip Length Distribution

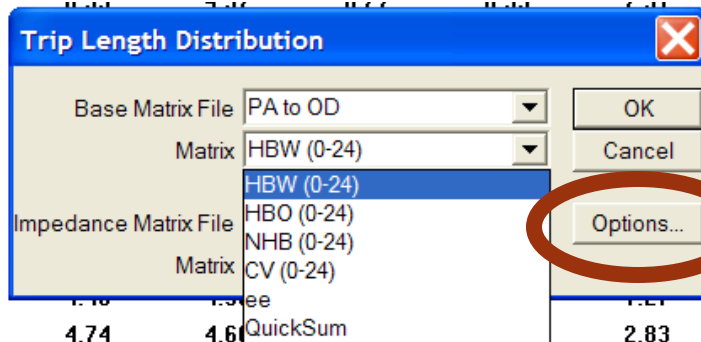
- Required Files...
  - Impedance Matrix
    - Time or Distance
  - OD Matrix (all trip purposes)
- Matrix Active
  - Go to: Planning>Trip Distribution>Trip Length Distribution



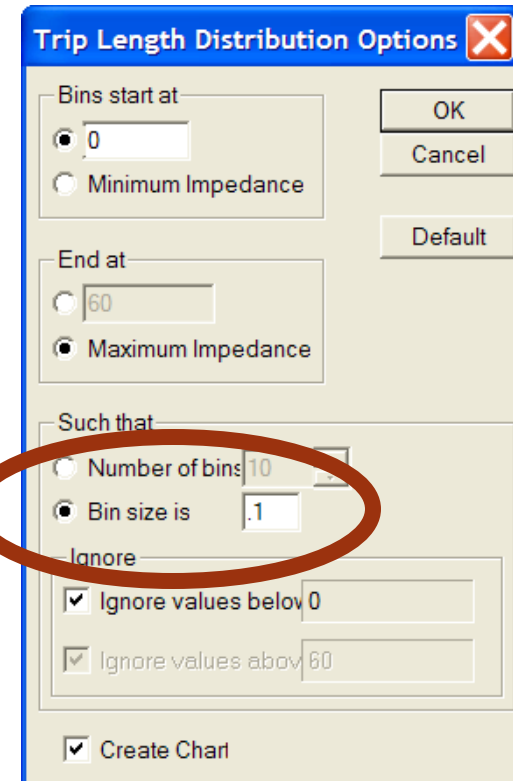
The screenshot shows a software application window with a menu bar containing 'Planning', 'Statistics', 'Window', and 'Help'. The 'Planning' menu is open, displaying a list of options. The 'Trip Distribution' option is highlighted, and its sub-menu is also open, showing various models and utilities. The 'Trip Length Distribution...' option is selected in the sub-menu. Below the menu, a table is visible, showing numerical data for various categories.

91	8.46	7.02	6.95
71	7.90	5.74	5.20
34	6.28	5.08	4.42
09	6.62	4.21	4.38
98	10.67	9.23	9.17
73	1.01	3.67	4.31
23	3.40	0.97	1.27

# Trip Length Distribution

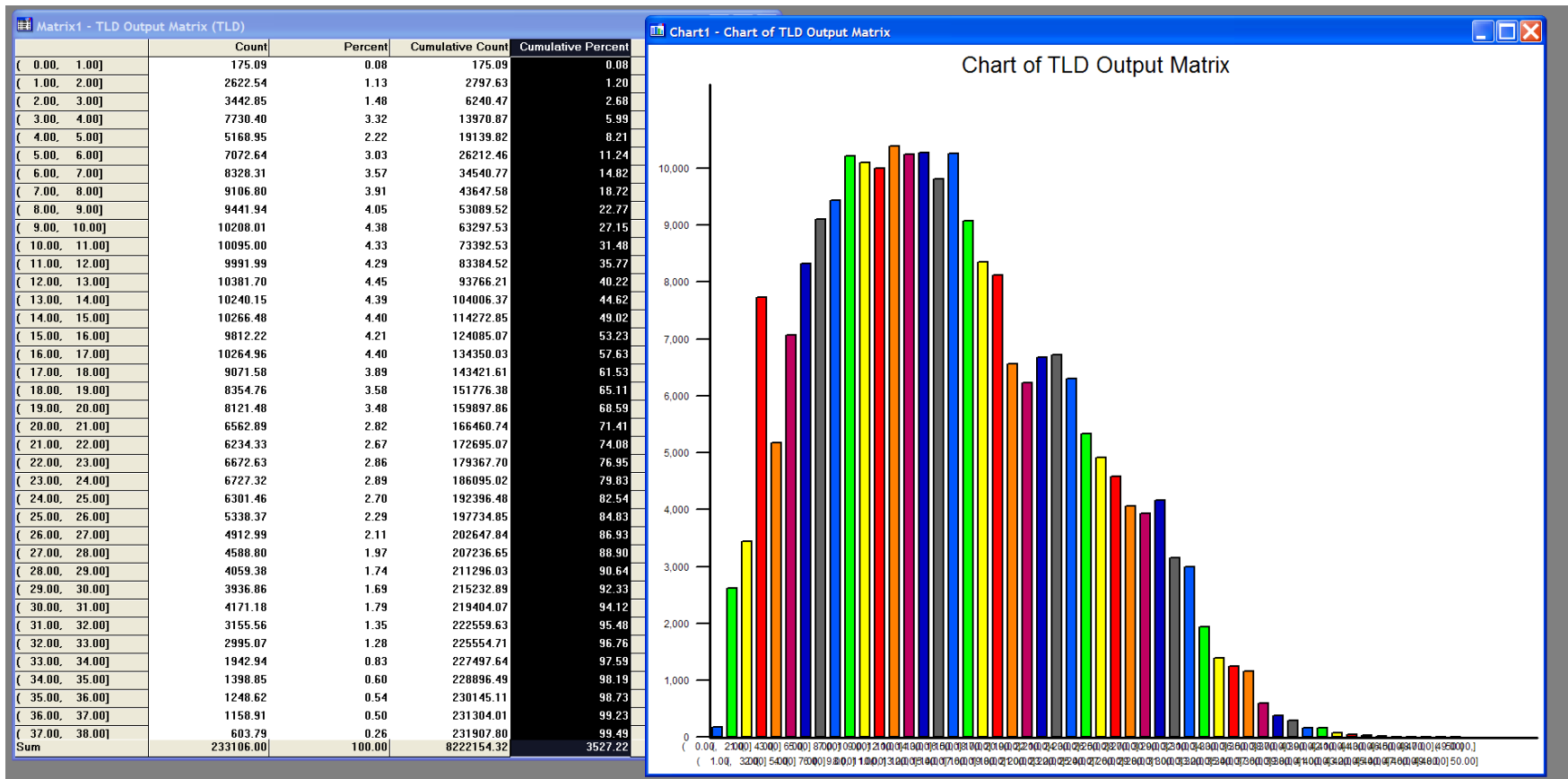


- Note: Bin size can be less than 1



# Trip Length Distribution

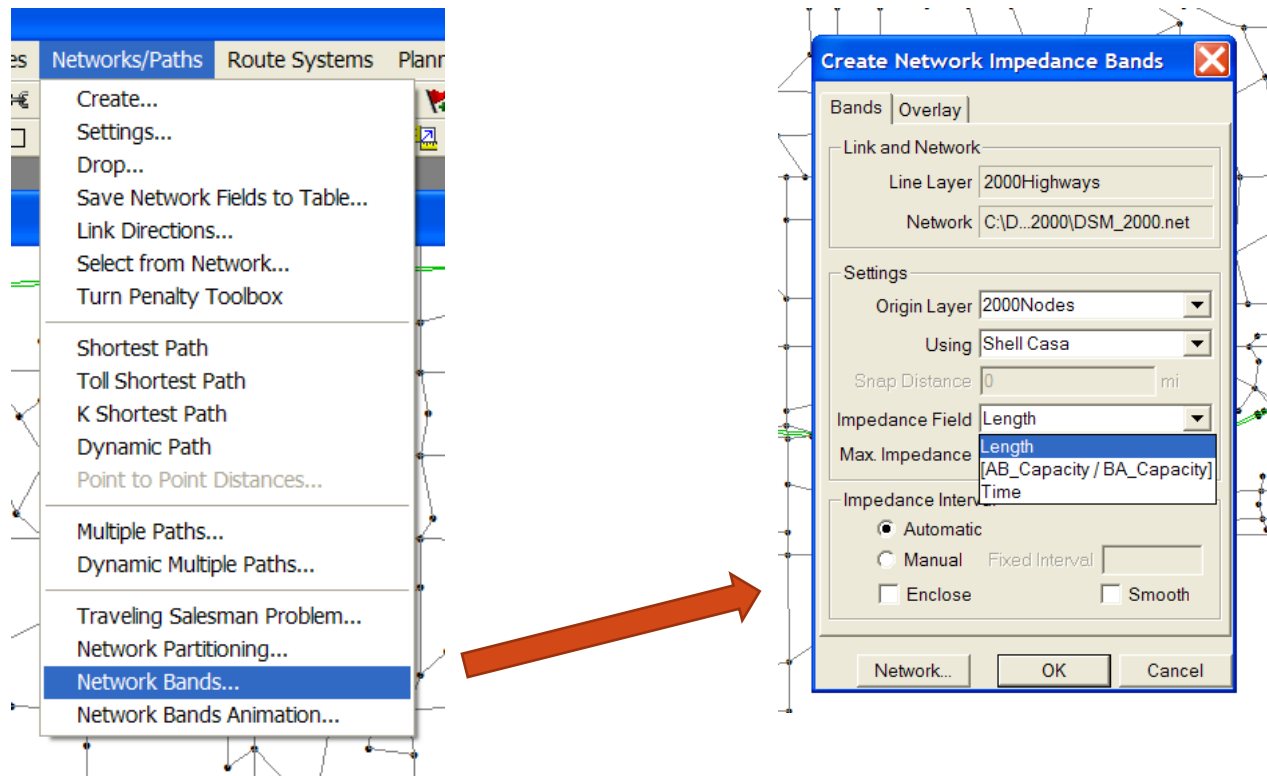
- Output: TLD Matrix & TLD Chart



# Network Bands (Isochronal Map)

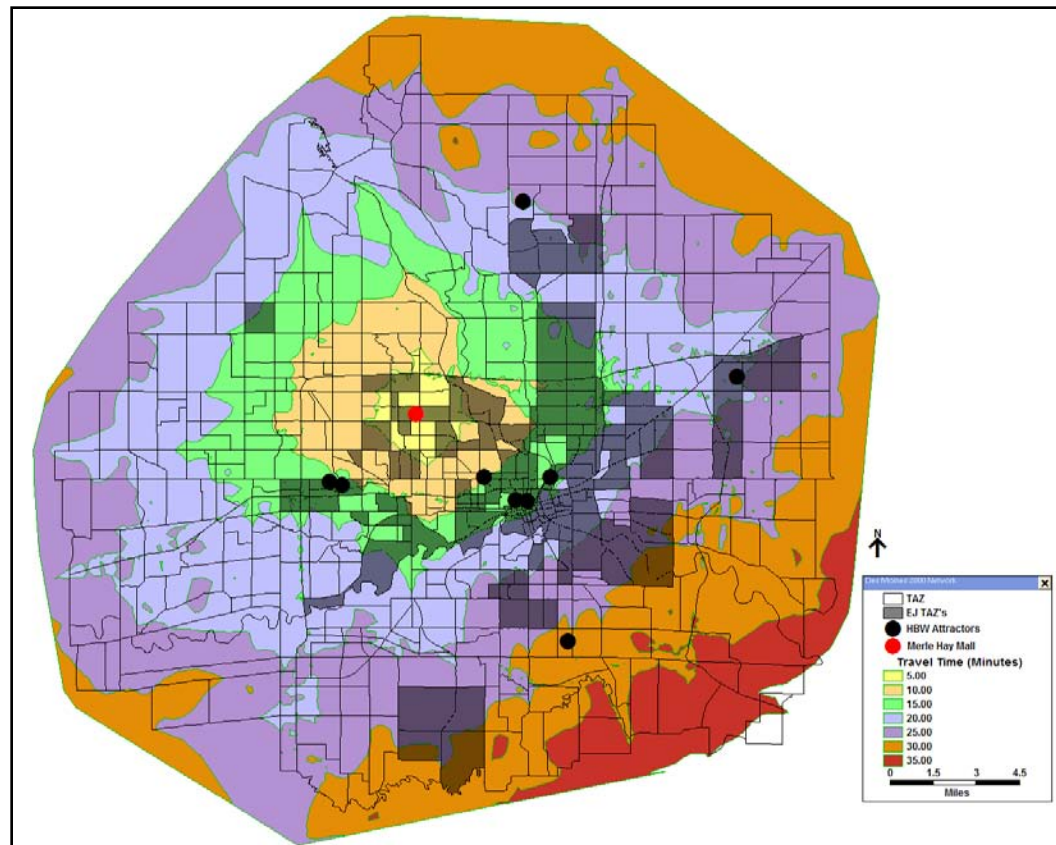
# Network Bands

- Required Files: Std Geo. file (.dbd) and binary network (.net)



# Network Bands

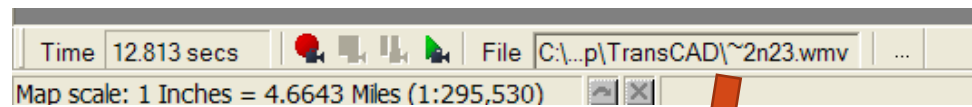
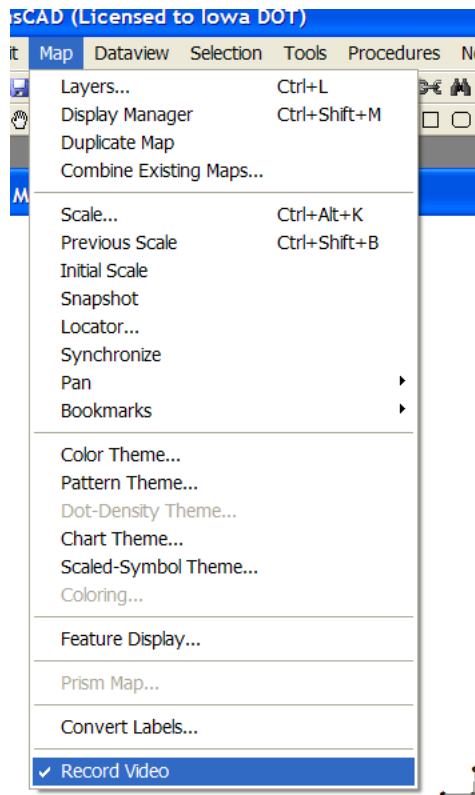
- Output: Std Geo. file of bands.
- Note: Bands (polygons) represent impedance selected.



Video Recorder

# Video Recorder

- Map>Record Video -- toolbox is dockable!



Output location.  
Copy & Paste into  
Windows Explorer



# Network Bands

