Categorical Ranking for Roadway Flood Vulnerability Analysis

	Matrix Iliput Guide					
Relative Importance	Description					
1	Equally important					
3	Slightly more important					
5	More important					
7	Significantly more important					
9	Absolutely more important					

2, 4, 6, 8 are used as intermediate determinations if you cannot determine between two categories.

Instructions:

Overwrite the values in the white cells of the matrix, following the Matrix input Guide to rank the importance of each category in the overall vulnerability score. Results from the matrix update the Weight of Final Score table and pie chart.

Example: If you were to input '9' in the Demographics column on the Flood Exposure row, you would be rating the Flood Exposure as "Absolutely more important" than the Demographics category and therefore the weight percentage of the Plood Exposure category will be significantly higher than the weight percentage of the Demographics category.

If input values are not trending with each other (i.e. are appearing too random), an error message will appear above the matrix.

Score Matrix for Analysis Categories

Categories	Flood Exposure	Road Service	Bridge Sensitivity	Emergency Response	Gateways	Development Density	Demographics
Flood Exposure	1	7	5	3	8	9	8
Road Service	1/7	1	1/3	1/3	2	5	4
Bridge Sensitivity	1/5	3	1	1/5	5	7	7
Emergency Response	1/3	3	5	1	7	9	9
Gateways	1/8	1/8	1/5	1/7	1	2	3
Development Density	1/9	1/5	1/7	1/9	1/2	1	2
Demographics	1/8	1/4	1/7	1/9	1/3	1/2	1

Weight of Final Score



