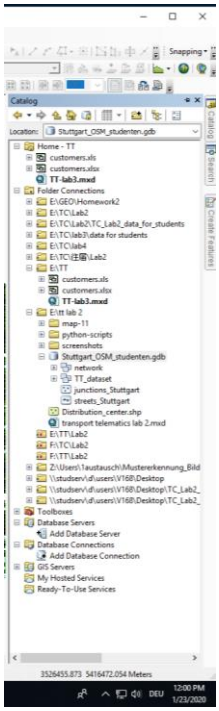
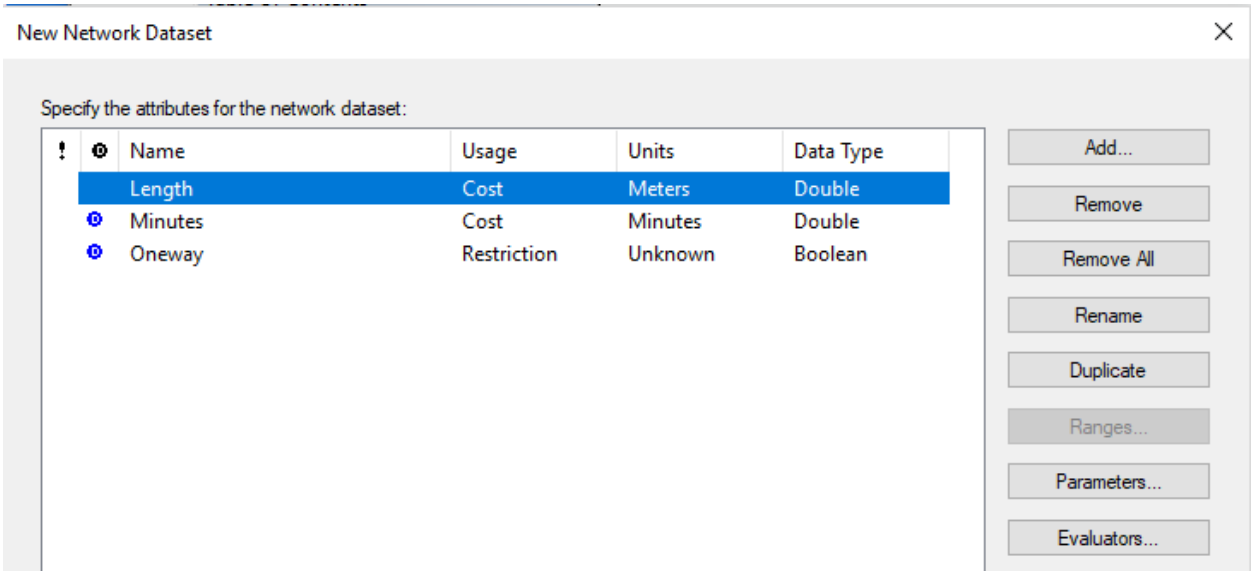
1. Processing steps

1. Create a feature and network dataset



2. Change attributes according to catalogues



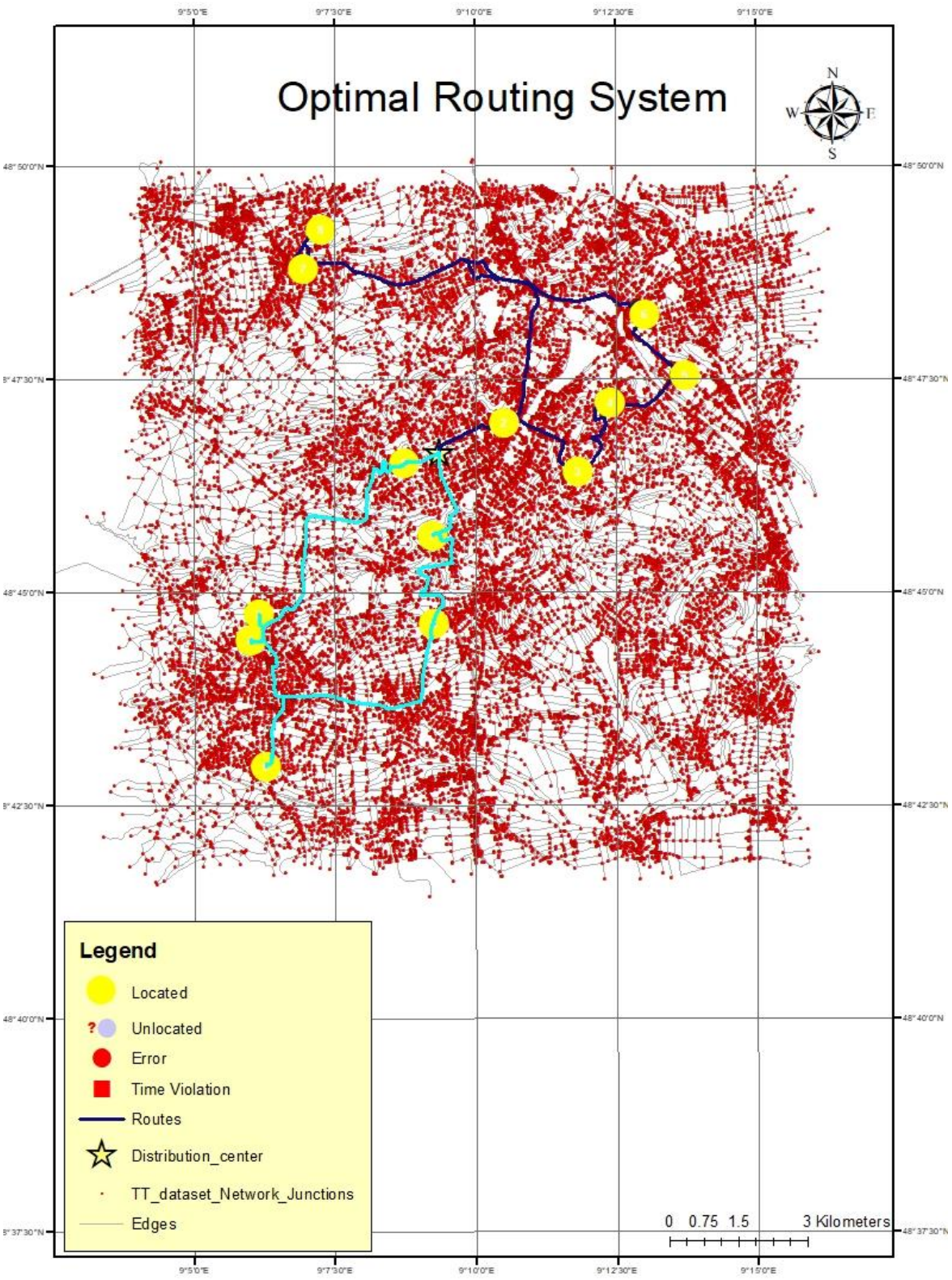
3. Choose evaluators and input expressions
4. Active Network Analyst to create new route. Then click on arbitrary points to define stop positions.

5. Load customer list, then create new shapefile to define distribute center with right coordinate system. This point is chosen using editor toolbar.
6. Use Network Analyst toolbar to choose “New Vehicle Routing Problem”. Load customers’ location by attributes of surname.
7. Add service time of distribution center to settings.
8. Add two car items with startdepotname, enddepotname, costperunittime and maxordercount.
9. After set layer properties, use solve button to calculate optimal routes.

2. Routing results

	Car 1	Car 2
Total Time	32.184213	38.641267
Total Distance	38.051694	49.922615
Start Time	1.22.2020 8:00:00	1.22.2020 8:00:00
End Time	1.22.2020 8:32:11	1.22.2020 8:38:38
Order Count	6	7
Total Cost	25.74737	30.913013

3. Routing Map


Optimal Routing System
N
W
E
S
9°5'0"E
9°7'30"E
9°10'0"E
9°12'30"E
9°15'0"E
48°50'0"N
48°47'30"N
48°45'0"N
48°42'30"N
48°40'0"N
48°37'30"N
Legend
Located
Unlocated
Error
Time Violation
Routes
Distribution_center
TT_dataset_Network_Junctions
Edges
0 0.75 1.5 3 Kilometers