

GIP

the Austrian Reference Network for ITS

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... about PRISMA solutions

... from Austria
... working in the fields of GIS & transportation
... focussing on E-Government & ITS





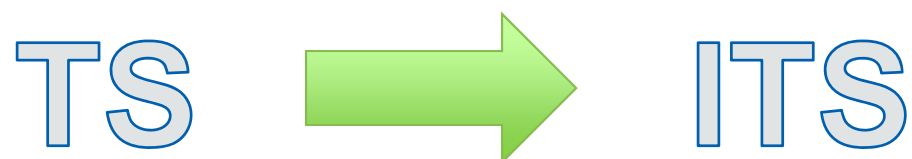
PRISMA
solutions

Why do we need a reference network ?

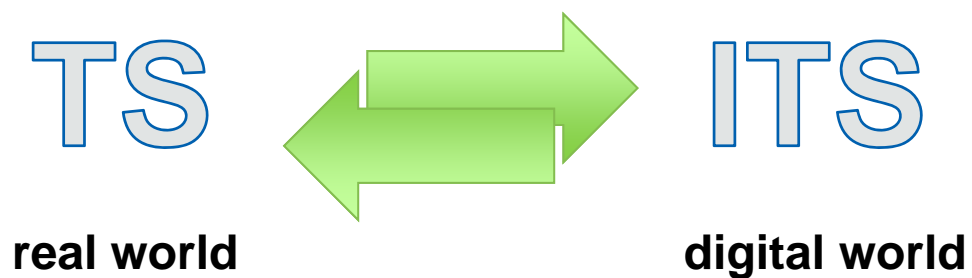


GIP

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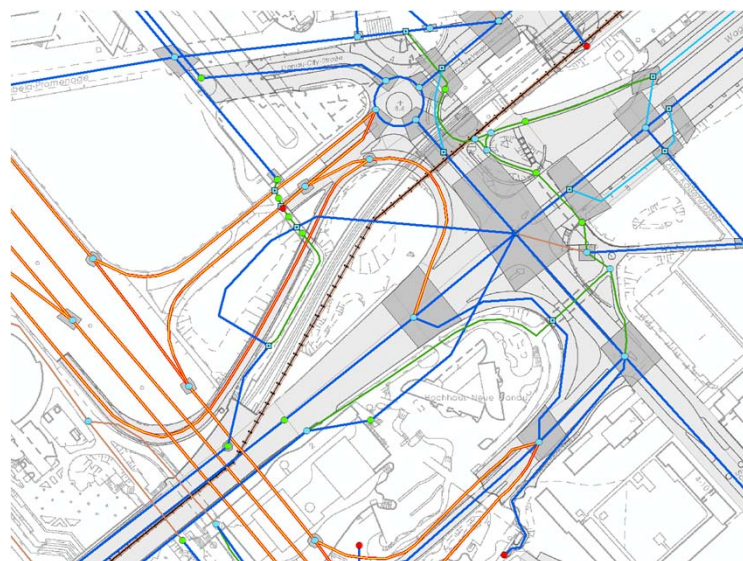
PRISMA
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Why do we need a reference network ?



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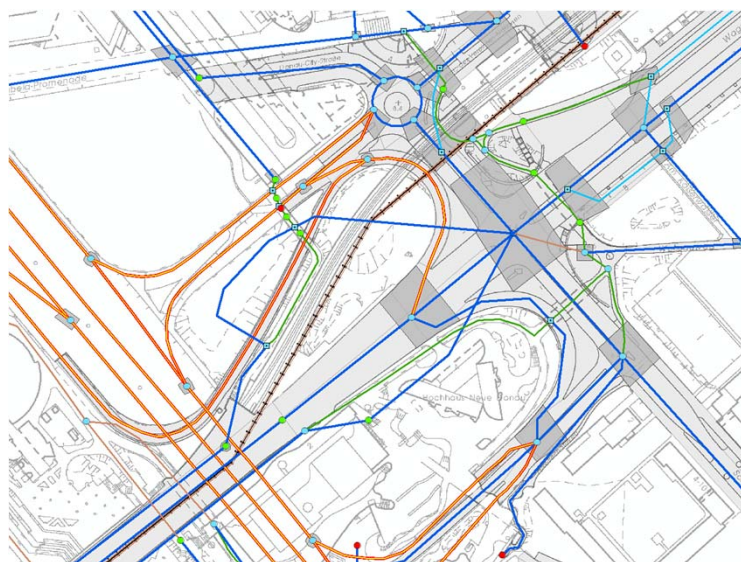
Why do we need a reference network ?



Who can provide such a reference network ?

Requirements

- ... covering whole area of interest
- ... including all modes of transport
- ... reliability (correct and up to date)

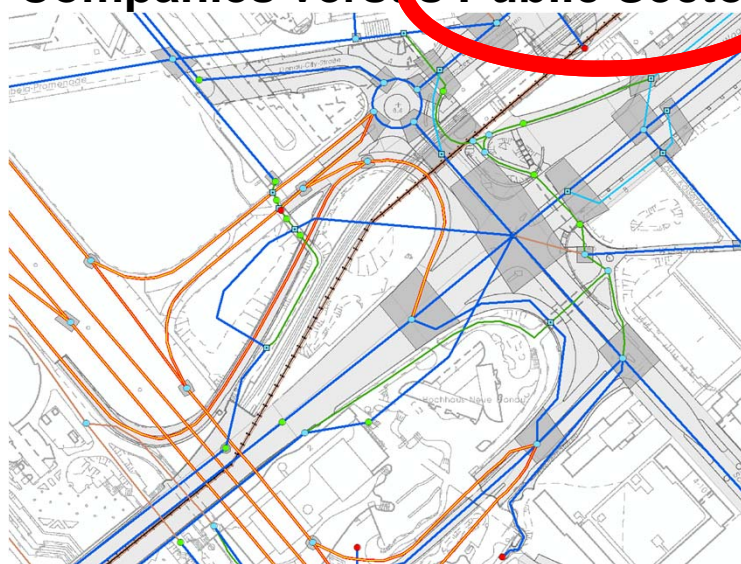


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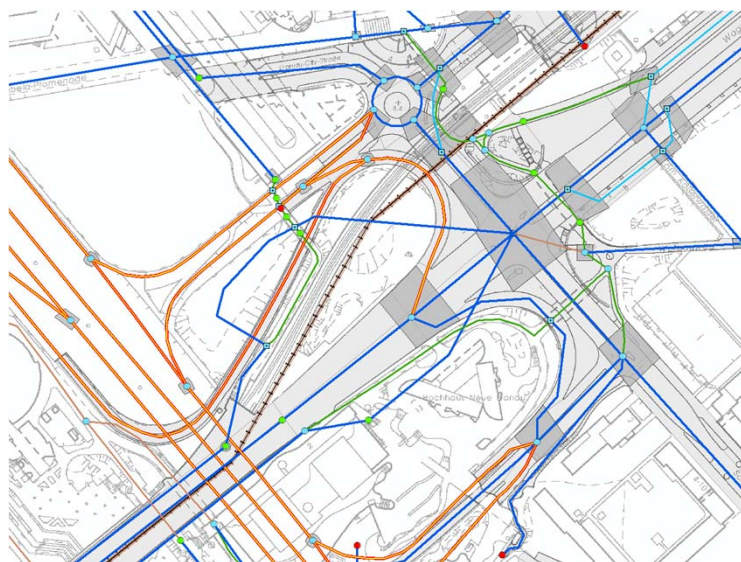
Private Companies versus Public Sector



Why Public Sector as Provider ?

All changes in infrastructure base on public administration processes

**Collecting this Information and providing for ITS
-> fulfillment of all requirements**



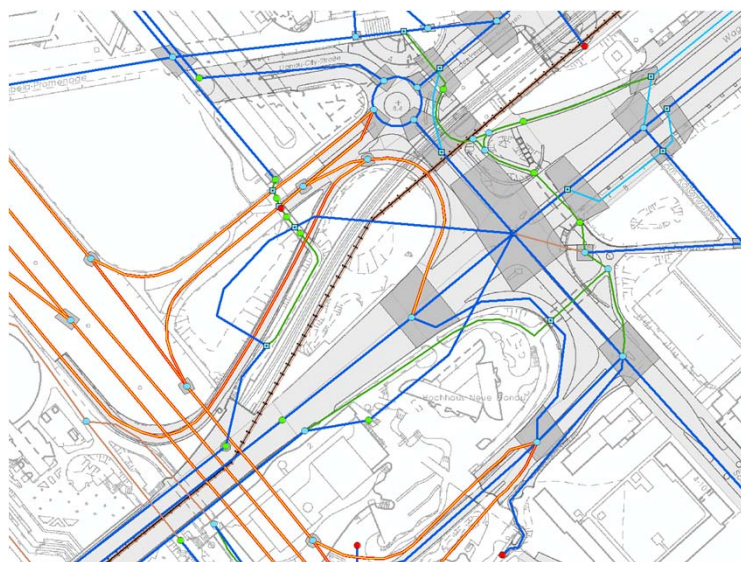
How does it work ?

Support of E-Government Processes

Data to be regarded as „waste product“ of these Processes

Data are the Basis for ITS Services

Public Sector



ITS

GIP

How does it work in Austria ?

Initial Situation:

no common problem perception

**each institution working with its own networks
(with differences in terms of scale and accuracy)**

(more than) one network for each purpose

no connection between different modes



How does it work in Austria ?

Initial Situation:



How does it work in Austria ?

Main Objective:

single, consistent multimodal transport graph for all application areas

Administration (E-Government, Cartography, etc)

Traffic management (intermodal routing, etc.)

Transportation planning (real-time traffic modelling, etc.)

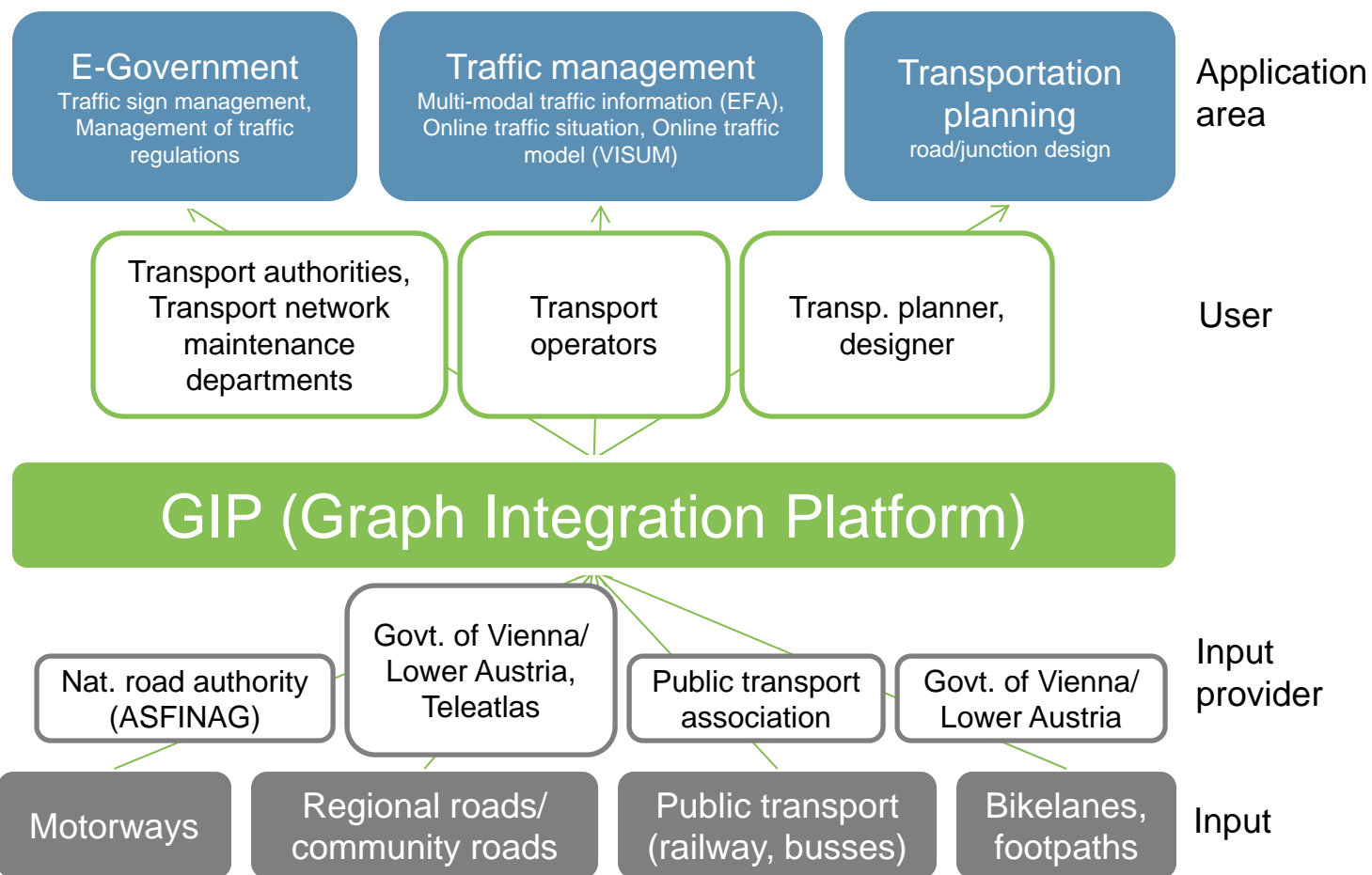
Traffic design (junction design/simulation, etc.)





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How does it work in Austria ?

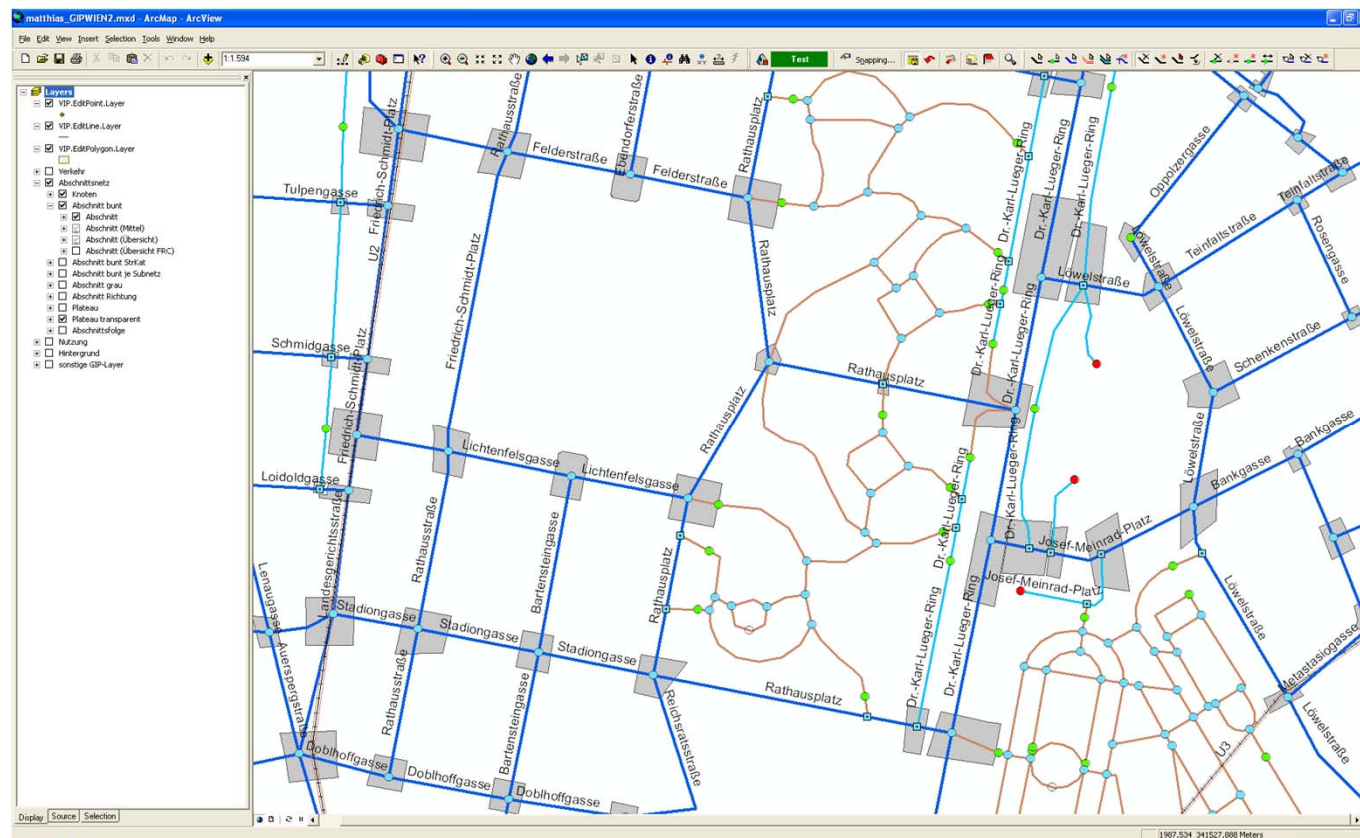


ITS Vienna Region



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Example: Vienna

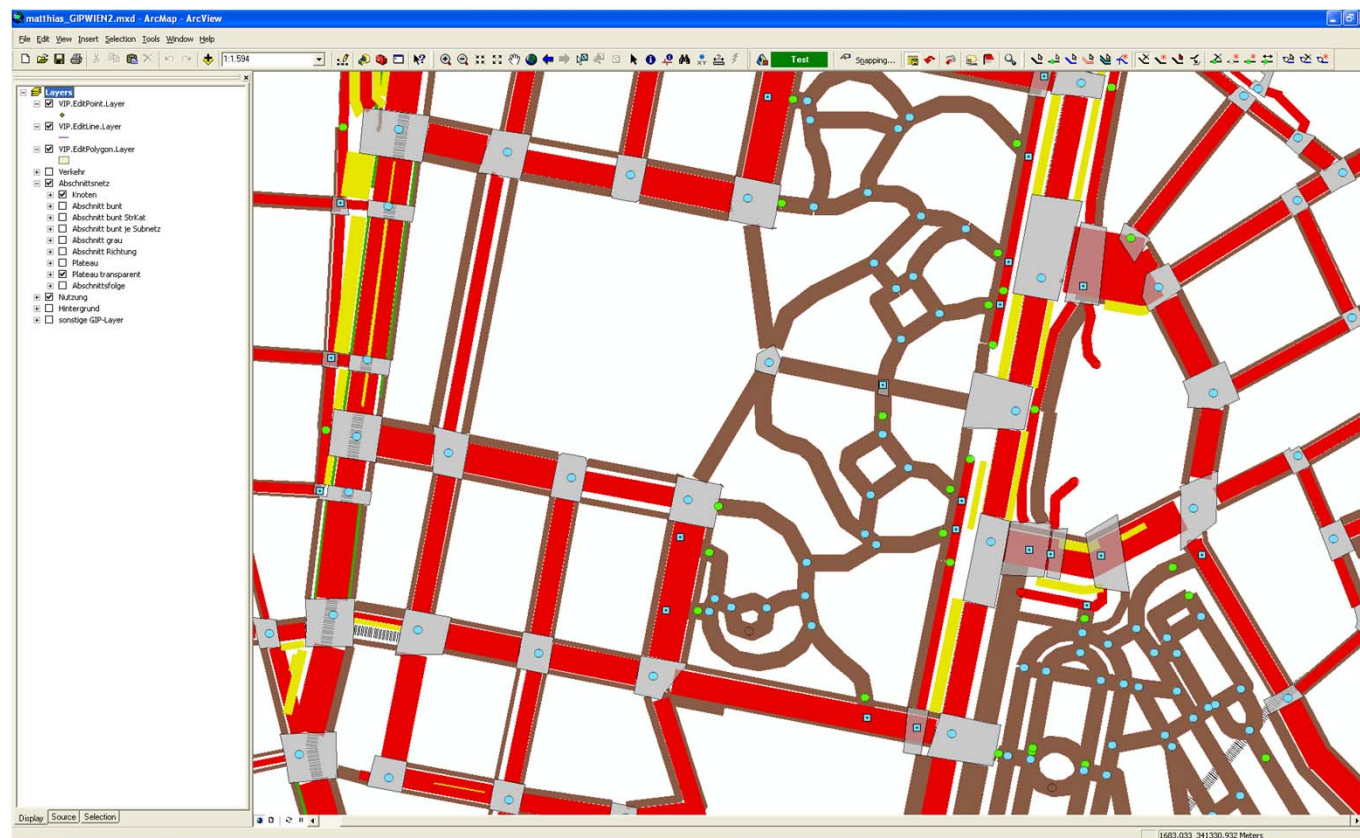


Multimodal Base Layer



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Example: Vienna



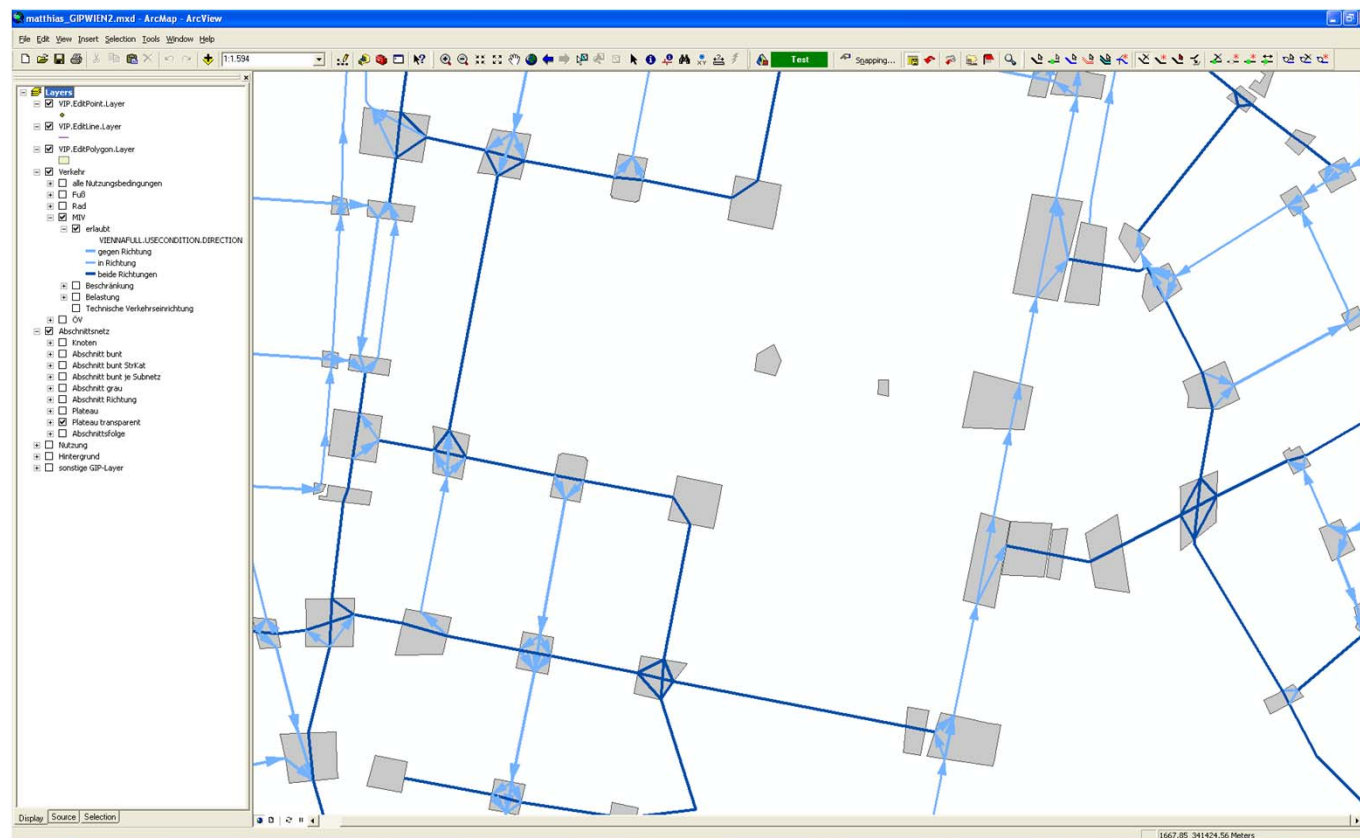
Cross Profiles for Roads





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Example: Vienna

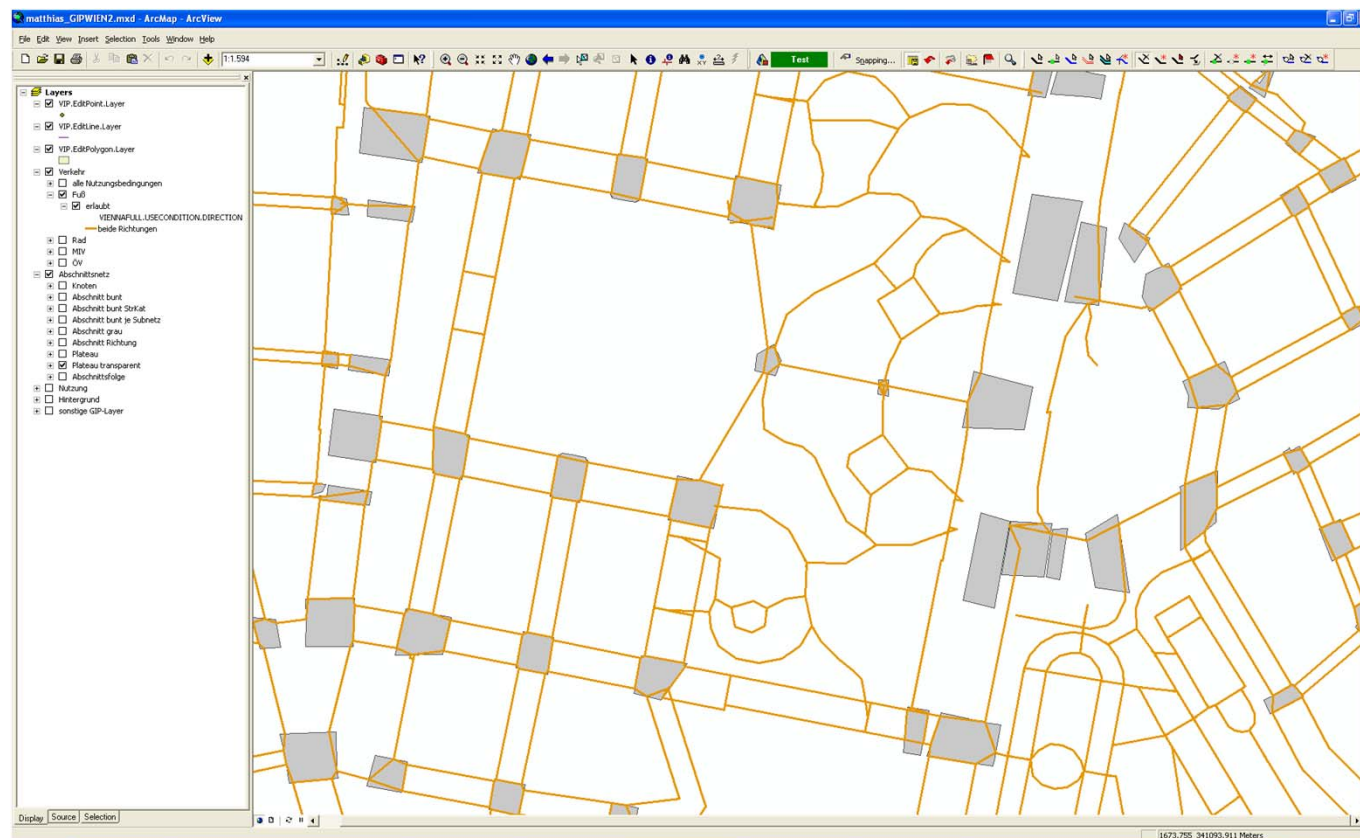


Network for Vehicles



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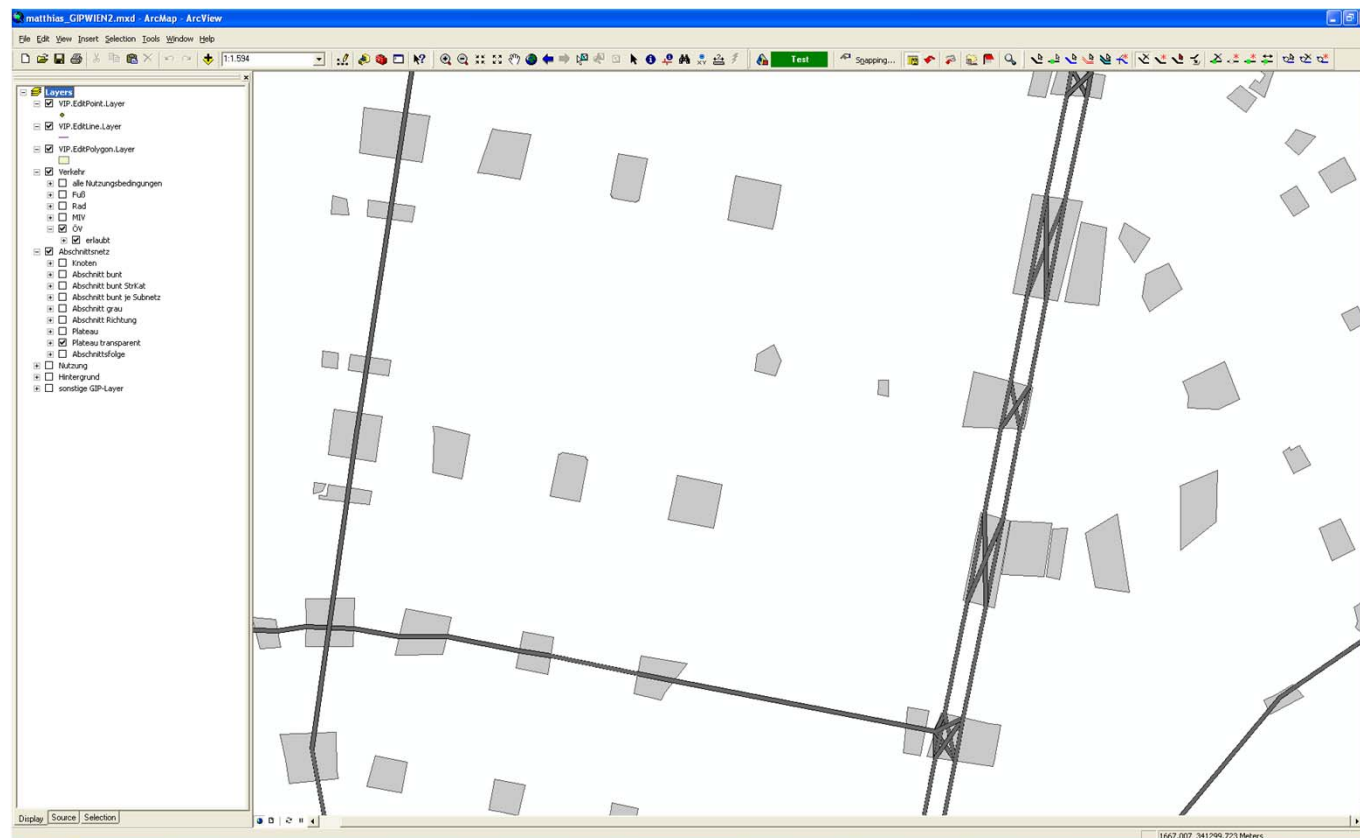
Example: Vienna



Network for Pedestrians



Example: Vienna

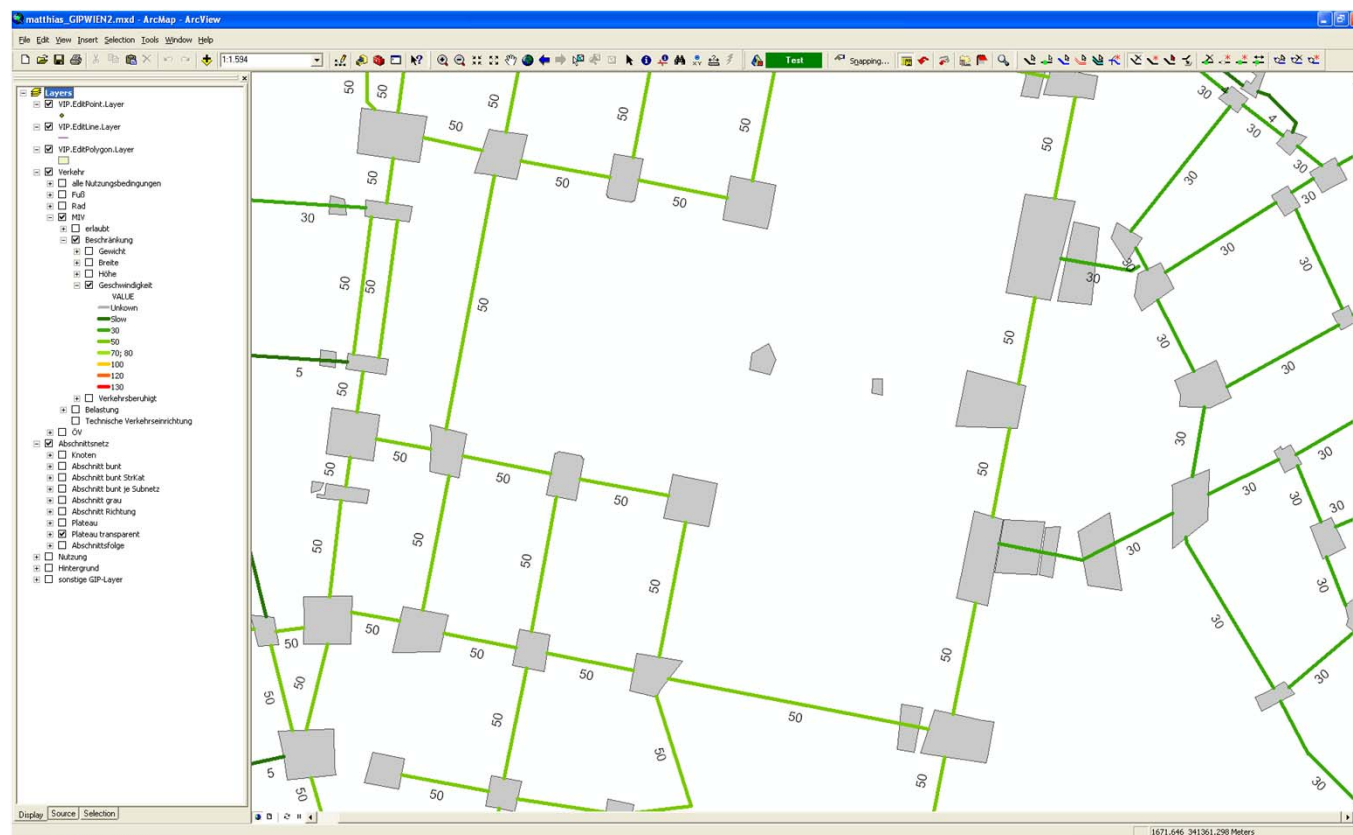


Network for Public Transport



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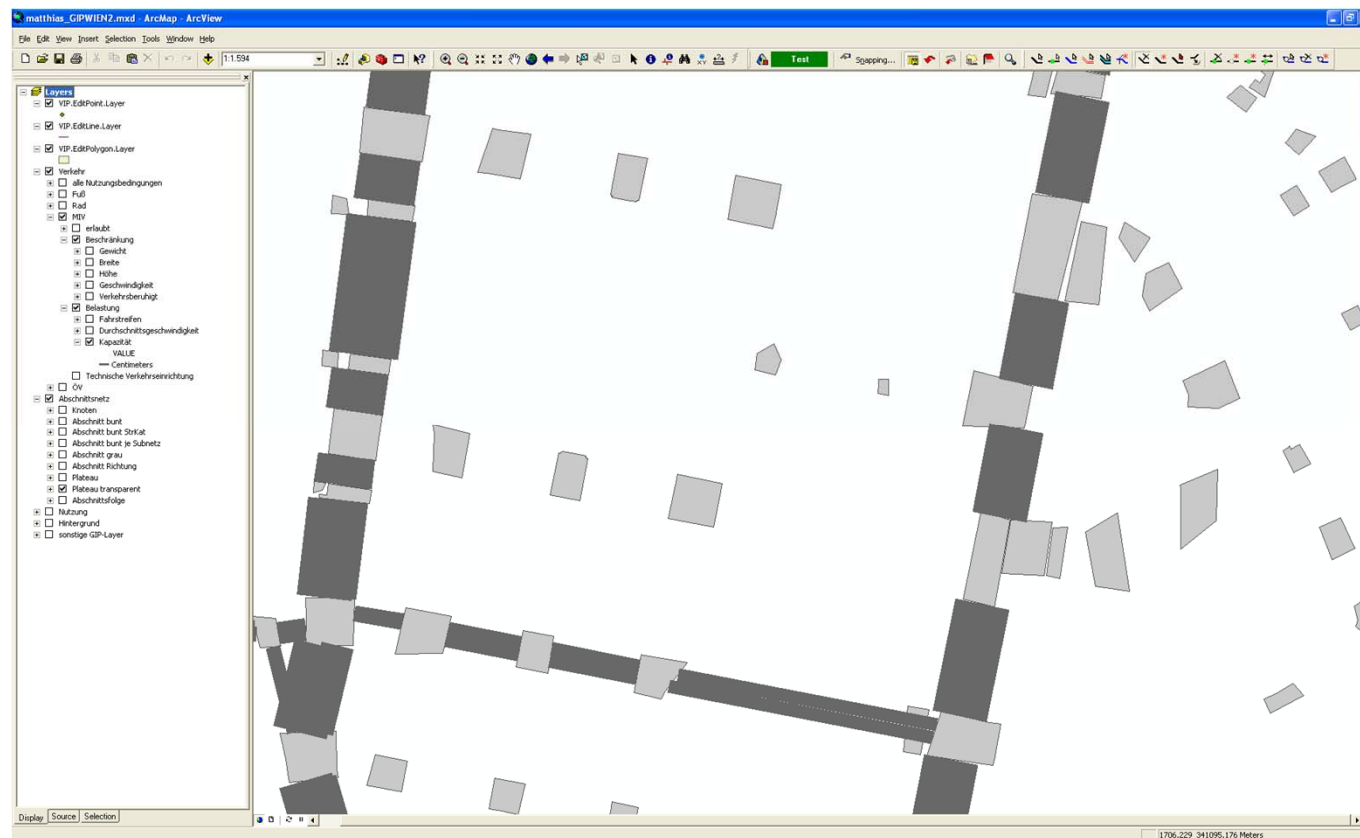
Example: Vienna



Speed Limits for Vehicles



Example: Vienna



Capacities of Main Roads

Conclusion

**Maintenance of Information about Reference Network is
subject to existing Processes in Public Administration**

Data is „waste product“ of these Processes

ITS Services base on high quality information

GIP is the technical basis !





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