

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Hannah Barth
Student number	4007239
Telephone number	0031 6 1033 2080
Private e-mail address	Hannahbarth@hotmail.com

Studio	
Name / Theme	Methods & Analysis – Positions in Practice
Teachers / tutors	Jorge Meija Hernandez & Klaske Havik
Argumentation of choice of the studio	The different aspects of the studio Positions in Practice attracted me to the studio. The chance to get to work on an international project appealed to me, as the work of the architect is becoming exceedingly more global and learning to work in different contexts and using different tools and methods is something I believe I can learn more of. Being able to research and determine the problems and potentials within the city in response to the commons appealed to me. It is this combination of the unknown context and the assignment of the commons that drew me to the studio.

Graduation project	
Title of the graduation project	Infrastructural Landscape / Stitching the city, Bogotá
Goal	
Location:	Autopista Norte
The posed problem,	Bogotá, a large spread-out city, next to the mountains, with large infrastructural networks, somehow misses a sense of orientation within the city. The mountains offer a basic point of reference, but the city itself is a vast grid-structure with the large networks of freeways running through it. These freeways, offer mobility on a city-wide scale but minimize movement perpendicular to the network on a local-level, and miss interaction on a human-scale.
research questions and	How can these infrastructural networks be used to create a sense of orientation in the city as well as bringing back the human scale to the road? How can the balance between cars and pedestrians be restored? How can we provoke an interaction between the neighbourhoods and the infrastructure?

Process

Method description

The research started out with an approach to analysing socio-economic borders within the city, placed along the large infrastructure of the Autopista Norte. This was done in collaboration with three other students, after the initial research and the P1 presentation I went on to research with one other student, Lucas Schram. From here we furthered our analysis of the infrastructure within Bogotá and zoomed-in on the Autopista Norte as infrastructural system within the city. The results of the analysis of this street and its surroundings proved that there were many problems between the neighbourhoods and the people, and the freeway.

For these problems we now propose a strategy and a punctual solution, sketch design. From here we will keep researching theories about the possibilities of infrastructure and landscape, whilst furthering the design on different levels. We propose a city-wide strategy, which we will constantly be updating based off of the zoomed-in punctual solutions which will be designed simultaneously.

We will be working on three different levels of which two together: the city-wide strategy and the masterplan for a selected region which encompasses all facets of the strategy. Here we will solve the generic problems of the applied strategy. Individually, we will zoom in to solve the punctual problems of the new strategy set within a specific location and context. The design solutions will be based off of the preceded research findings, precedent research, further research into the topic of infrastructure and landscape and the context and conditions of the city.

Literature and general practical preference

A view from the road – Kevin Lynch
The image of the city – Kevin Lynch
Infrastructural Urbanism – Stan Allen
Social space and structuralism – Herman Hertzberger
The lyrical landscape – Roberto Burle Marx
Robert Moses and the modern city – The transformation of New York
The landscape form of the metropolis – René van der Velde and Saskia de Wit
Architecture and disjunction – Bernard Tschumi
Tussen stoel en stad – Jaap Bakema
A matter of things – Manuel de Solá-Morales
Ten lessons on Barcelona – Manuel de Solá-Morales
Fighting traffic : the dawn of the motor age in the American city – Peter Norton
Fire and Memory – Luis Fernández-Galiano
The open city – Richard Sennett
Footprint 16 : Commoning as differentiated publicness – H.Sohn, S. Kousoulas, G. Bruyns
The form of the territory – Vittorio Gregotti
Cities for people – Jan Gehl
Close Encounters with buildings – Jan Gehl
Life between buildings – Jan Gehl
The death and life of great American cities – Jane Jacobs
Cities of tomorrow – Peter Hall
Terrain Vague : Interstices at the edge of the pale – Patrick Barron
Thinking Barcelona: Ideologies of a global city – Edgar Illas
Environment, power and society – Howard T. Odum

Precedent research

- Flamengo Park
- Works by Robert Moses
- Works by Manuel de Sola Morales
- Madrid Rio
- Ringland, Antwerp
- North Wharf Promenade
- Nieuwegein Markt
- Bloomingdale trail
- Cheonggyecheon stream
- Plans Bogota Le Corbusier
- Parkway Bogotá by Karl Bruner

Reflection

Relevance

Large infrastructural systems do not only pose a problem for the city of Bogotá, but for many car-based cities in North and South America. Large roads bearing the paradox of connecting on a city-wide scale and splitting the city and minimizing movement on a local level, as well as the non-public nature of the road, only for car-owners, are generic problems. A solution to these problems, in the context of Bogotá, could function as a precedent for other cities faced with similar problems.

Time planning

January

19 – P2 Presentation

Adjustments to strategy and masterplan

Further research/precedent research

February

Integration research/precedents with masterplan

Further development strategy

Conceptual adjustments punctual design

March

Integration research/precedents with punctual design

Integration research/precedents with masterplan

Further development strategy

April

4 – Retake sustainability exam

Further development punctual design

Further development masterplan

Further development strategy

May

Further development punctual design

Further development masterplan

Further development strategy

9-20 – P4 presentation

Adjustments design, all levels

June

Elaborate design on all levels

Create final presentation

20 – 30 – P5 presentation

July

1 – P5 presentation