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AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING
Urban Planning

Flyover Spaces in the City Context:

Landscape Architecture for Urban commons

الفراغات الحضرية أسفل الكباري كأحد مكونات المدينة: تنسيق المواقع للفراغات
الحضرية العامة لاستيعاب الأنشطة الاجتماعية والثقافية

A Thesis submitted in partial fulfillment of the requirements of
the degree of
Master of Science in Architectural Engineering
(Urban Planning)

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Cairo - (2022)



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Statement

This thesis is submitted as a partial fulfillment of Master of Science in Architectural Engineering Engineering, Faculty of Engineering, Ain shams University. The author carried out the work included in this thesis, and no part of it has been submitted for a degree or a qualification at any other scientific entity.

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Abstract

Numerous urban agendas are detailed in the international literature in relation to urban sprawl, traffic transit sequences, and flyovers. Roads and bridges have been the focus of Egyptian urban policy for half a century, especially in the Greater Cairo Region 2050 vision. As a result of this approach, several elevated urban roadways cut through Cairo's urban fabric, ensuring city traffic. The shifting development patterns in Egypt have weakened the urban fabric. Elevated urban roadways and their different repercussions have long been debated globally, but not locally in Egypt. Highways have many social, ecological, and economic implications, but perhaps the most important is the potential for collective benefit. Current Egyptian policies have repurposed the areas under the flyovers despite their loss. This research aims at Examining the current situations of the proposed Development plans for spaces that located underneath recently constructed bridges in Cairo neighbourhoods. These obtained by studying international and local case studies with same neighbourood characteristics. Qualitative method, site observations, maps, surveys, exploratory walking routs, video-based recording, In-depth interviews with users and semi-structured interviews with field specialists were used to collect data. Users' Perspectives are used to assess the influence of activities and landscape architecture under flyovers on urban commons. The results demonstrate various experiences dependent on the age and species of neighbourhoods being developed on the bridge. The data demonstrated how communities perceive the spaces beneath elevated highways and the structure differently, and how a negative impact in one instance may be interpreted as a positive influence in another. The findings aid in the identification of potentially beneficial community activities that can improve residents' quality of life. Additionally, learn about the critical role of collaboration between the local community, stakeholders, authorities, and field experts in designing successful, active public spaces. When it comes to flyover placement in the heart of a city, the recommendations emphasise the importance of integrating urban design, landscape architecture, and socioeconomic parameters in the area.

Key words:

Under Flyovers; overpasses; landscape Architecture; Cairo, open public spaces; urban fabric; Neighbourhood; Aesthetic Quality; leftover spaces, place making; Cognition Process.

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Table of Contents

Abstract	IX
Key words:.....	IX
Acknowledgment.....	X
Table of Contents	XI
List of Figures	XIV
List of Tables	XVIII
Chapter 1	19
1.1 Introduction and Problem Framing	20
1.2 Research Objectives	21
1.3 Research Questions	22
1.4 Research Structure	22
1.5 Research Methodology	25
1.5.1 Data collection	25
1.5.2 Scope and limitation	26
Chapter 2	27
2.1 Flyover's terminologies and definitions	28
2.2 Flyover's Classifications and Typologies.....	31
2.3 Why flyovers/ Elevated urban highways.....	33
2.3.1 Overview of the international experience of urban elevated highways	33
2.3.2 International policies that promote elevated urban highways .	35
2.4 Flyovers' Lost spaces	38
2.4.1 Lost spaces definitions and classifications.....	38
2.4.2 An overview of the under flyover's spaces and causes	44
2.4.3 Under flyover's typologies	46
2.4.4 Potentials and benefits of viaduct activation.....	49

2.4.5 The impact/Issues of under flyovers in the urban context.....	51
2.4.6 How to deal with the phenomena of Elevated Highways Construction and their impact in the built Environment	53
Chapter 3.....	57
3.1 The Greater Cairo Region's (GCR) flyover development background ..	59
3.2 GCR elevated urban highways strategy	63
3.2.1 Egypt vision 2030: sustainable development strategies (SDS)	68
3.2.1.1 The 2030 Agenda	68
3.2.2 SDG for city and community sustainability	70
3.3 Criticism of Flyovers construction	72
3.4 Effects of Elevated highways infrastructure on the urban environment in Cairo.....	73
3.5 Cairo's new flyover public spaces.....	77
Chapter 4.....	81
4.1 Functionality and Spatial Structure.....	82
4.2 Human Behavior in the urban commons.....	84
4.3 Design strategies for urban landscape (UL) of public spaces	87
4.3.1 Key Aspects of a Successful Public Space in Urban environment.	88
Place-making principles	88
4.3.2 Perceptions of landscape and street urban design	91
4.3.2.1 Streets as public spaces.....	92
4.4 International case study.....	100
4.4.1 Under the Elevated structures' current usage	100
4.4.2 existing initiatives for improvement and challenges associated...	101
4.4.3. Mumbai, India: Nanalal D Mehta Garden.....	101
4.4.4 Conclusion and learnings (Guidelines).....	107
Chapter 5.....	109
5.1 Why Heliopolis Neighbourhood	110
5.1.1 Neighbourhood Background	110

5.2.2 Heliopolis district urban transformation	114
5.2.3 Heliopolis' New Flyovers	117
5.2.3.1 The impact of Heliopolis development on local residents and the environment.....	124
6.2 Research Study Framework	127
5.2.1 Data Collection and Spatial analysis.....	129
6.2.2 Activity mapping.....	130
Chapter 6	137
6.1 The Focus area and cause of selection.....	138
6.2 El Mahkama/Abu baker El Sidiq Flyover	138
6.3 Spatial Analysis and findings	140
6.3.1 Before and After	140
6.3.2 Interventions	141
Landscape Design elements	152
6.4 Human Behavior Analysis.....	156
6.4.1 Age and Gender Analysis (user's typology).....	156
6.4.3 Exploratory walking routs analysis.....	160
6.4.4 Activity Mapping.....	165
6.5 Users' satisfaction Analysis	168
6.5.2 Interview Results	168
6.6.1 Survey Results	172
6.7 Al-Mergahny Street	179
6.7.2 "Heliopolis Passage" under Al Merghany Flyover with Al-Thawra intersection.....	182
6.7.2.1 Spatial Analysis.....	183
6.7.2.2 Human behavior Analysis.....	189
Chapter 7	194
7.1 Discussion	195
7.2 Conclusion.....	197

7.3 Recommendations.....	200
References.....	207
Appendix:.....	221
الملخص.....	230
كلمات مفتاحية:.....	230

List of Figures

Figure 1. Research methodology diagram.	24
Figure 2. Flyover's classifications illustration.....	32
Figure 3. Simple Flyover; EL-Nozha and Salah Salem intersection.....	32
Figure 4. Cloverleaf Flyovers; Ain-AL Sera Flyover	32
Figure 5. urban void terminologies	39
Figure 6. The causes behind the formation of urban voids in the city and how the urban process creates a pattern of these voids.....	41
Figure 7. Illustration of the categorization and typology of leftover space..	42
Figure 8. Illustration of the categorization and typology of leftover space..	43
Figure 9. showing the different typology of leftovers created from the elevated highways establishment.....	44
Figure 10. Typologies of under flyover's spaces form and occupation	48
Figure 11. A broad range of possible solutions of spaces under Flyovers...50	
Figure 12. Highways underneath spaces significant impact on the environment according to the international literature review	53
Figure 13. Represent the ways to deal with the elevated Highways in the built environment	54
Figure 14. shows the highways being removed and replaced by underground tunnels in Barcelona's Gloria Square	55
Figure 15. Shows examples of utilizing the under flyovers.....	56
Figure 16. GC's population growth in comparison to Egypt's	58
Figure 17. Egypt's population and urbanisation growth rate.....	61
Figure 18. The planned decentralisation of GCR (in red) to the new satellite cities. The direction of urban development is served by the Regional Ring Road	64
Figure 19. The yellow lines represent the new 14 highway in the inner core of GCR by 2027 strategic vision stretching along 1000 km	64