



IMPACT OF ROAD EXPANSIONS ON BUSINESS LOCATION AND COMMERCIAL SPACE CHOICES IN MINNA, NIGERIA

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ABSTRACT

Purpose: This study investigates the influence of urban construction activities on land use and commercial space preferences in Nigerian cities, using Minna, Niger State, as a case study. It examines how construction projects influence the type and location of commercial spaces chosen by business owners and investors, explores spatial distribution patterns, and assesses the relationship between infrastructure development and evolving commercial dynamics.

Design/Methodology/Approach: A mixed-methods approach integrating quantitative and qualitative methods was employed. Data were collected from 120 purposively selected respondents, business owners, real estate agents, and investors, from Bosso Road, Tunga, and Central Market in Minna. Structured questionnaires and key informant interviews were used to obtain data. Quantitative analysis was conducted using SPSS version 26, applying descriptive statistics, Chi-square tests, and multiple regression. Spatial patterns were further examined using Geographic Information System (GIS) mapping.

Findings: Findings suggest that although urban construction correlates with spatial changes, other non-measured factors, such as social networks, rent cost, and customer proximity, may be stronger determinants of business location choices.

Research Limitations/Implications: The study is limited to selected commercial districts in Minna, restricting generalisation to other cities. The purposive sampling technique may also limit representativeness.

Practical Implications: Despite statistical insignificance, the study offers useful insights for urban planners and policymakers. The observed spatial shift in commercial development underscores the need for proactive urban planning, improved data-driven land use management, and equitable infrastructure distribution to guide sustainable commercial expansion.

Originality/Value: This study contributes to urban development literature by empirically examining the interplay between urban construction and commercial space dynamics in a medium-sized Nigerian city. It highlights the complexity of commercial location decision-making, demonstrating that infrastructure improvements alone may not significantly influence investment preferences without supporting socioeconomic and policy factors.

Keywords: Commercial preference, urban construction, Minna, land use, business location, spatial development

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1.0 INTRODUCTION

In Nigerian cities such as Minna, rapid urbanisation, infrastructure expansion, and new construction projects are reshaping urban land use and redefining business location choices (Brown & Ikiriko, 2025). Over the last decade, road upgrades, housing estate development, and the proliferation of shopping plazas, particularly in Bosso, Tunga, and Chanchaga, have significantly transformed the city's spatial and economic landscape (Muhammad & Musa, 2024). These developments have enhanced connectivity, but they have also triggered changes in commercial clustering, rent distribution, and investor preferences for specific corridors. Businesses increasingly locate near upgraded roads and junctions to maximise visibility and accessibility (Boricha et al., 2025), while older commercial areas experience a gradual decline or repurposing.

However, the pattern of commercial relocation and land-use change in Minna appears uneven and poorly understood. Some areas like Bosso Road and Tunga have experienced rapid growth in high-end commercial complexes, while traditional business corridors such as Shango, Maitumbi, and Kpakungu show mixed signs of stagnation and informal expansion (Bako et al., 2024). This inconsistency raises questions about whether ongoing urban development directly influences business location choices or if other contextual factors like security, affordability, and social proximity are more influential. Empirical studies on these interactions in Minna are limited, leaving a significant research gap in understanding how construction-driven spatial changes affect commercial property decisions.

Furthermore, while global literature emphasises the transformative role of infrastructure in shaping land value and accessibility (Alexander & Okpakam, 2024; Tuffour & Anokye, 2025), local-level analyses linking urban construction to commercial space dynamics in medium-sized Nigerian cities remain sparse. Existing studies tend to generalise national trends without spatially grounded evidence. Therefore, this study focuses specifically on Minna to assess how road construction and associated urban development influence the type and location of commercial spaces preferred by business operators and investors. By integrating Bid-Rent Theory and Central Place Theory, the study provides a theoretical lens to explain how land value gradients, accessibility advantages, and hierarchical service patterns drive spatial reorganisation. The findings aim to support urban policymakers in designing data-driven, inclusive zoning frameworks that balance infrastructure expansion with equitable commercial growth.

2.0 LITERATURE REVIEW

2.1 Conceptual Perspectives on Road Infrastructure and Commercial Land Use

Road infrastructure remains a fundamental determinant of urban land use configuration and commercial activity distribution. Beyond facilitating mobility, roads perform critical economic and spatial functions that influence land values, business clustering, and investment behaviour (Yakubu et al., 2020; Zhang & Cheng, 2023). In most developing cities, road networks define accessibility hierarchies that shape the intensity and type of land use along major corridors. Improved accessibility reduces travel time and enhances visibility, thereby making certain locations more desirable for business operations (Usman & Yakubu, 2022).

In Nigeria, the increasing pace of urbanisation has intensified the link between road development and commercial property transformation. As cities expand, commercial establishments tend to

cluster around newly upgraded or strategically located roads, reinforcing patterns of urban growth and real estate investment (Kromer, 2023; Hafiz et al., 2025). For example, in Minna, Niger State, the expansion and resurfacing of arterial roads have spurred the establishment of retail plazas, offices, and hospitality businesses along major corridors such as Bosso and Tunga (Sulaiman, 2021). Wider roads not only attract vehicular and pedestrian traffic but also elevate the economic potential of adjacent land, thereby encouraging investors to transition from informal structures like kiosks to more permanent and formal buildings (Rui & Othengrafen, 2023; Nani et al., 2025; Yadav, 2025).

Globally, similar processes have been observed where infrastructure expansion acts as a catalyst for land use intensification and the emergence of new commercial hubs (Kotir et al., 2024; Chomal et al., 2025; Mutie et al., 2025). However, the pace and pattern of these transformations depend on the extent to which infrastructure planning is integrated with urban land policies, zoning laws, and investment incentives (Mutie et al., 2025).

2.2 Theoretical Framework

2.2.1 Bid-Rent Theory

The Bid-Rent Theory, originally formulated by Alonso (1964), provides a foundational framework for understanding how accessibility and land value interact within urban systems. The theory posits that different land users are willing to pay varying levels of rent depending on the proximity of a location to the central business district or other critical nodes of accessibility. Businesses that depend heavily on customer flow, such as retail and service enterprises, tend to compete for locations closer to high-traffic corridors, where accessibility and visibility are greatest (Dedan, 2023; Astarini & Utomo, 2025).

Applied to Minna, this theory explains the concentration of commercial developments along major expanded roads. As accessibility improves, land values increase, compelling investors to maximise returns by converting underutilised plots into high-yield properties such as plazas and office complexes. This aligns with observed shifts from informal roadside stalls to multi-storey commercial buildings in rapidly urbanising Nigerian cities.

2.2.2 Central Place Theory

Complementing the bid-rent perspective, Central Place Theory (Dacey, 1965; Parr, 2017; Waddell-Henowitch et al., 2025) explains the hierarchical organisation of urban centres and their service areas. It argues that urban functions and facilities tend to concentrate in accessible locations that serve as “central places” for surrounding settlements. Improved road networks reinforce these hierarchies by connecting lower-order centres to higher-order ones, facilitating the flow of goods, services, and people. In the Minna context, the improved connectivity of key corridors has increased the city’s attractiveness as a commercial hub within Niger State, leading to the emergence of new service centres along transport routes.

The integration of both theories offers a robust framework for analysing how road infrastructure influences business location choices and the spatial reorganisation of commercial activities. While Bid-Rent Theory explains the microeconomic dynamics of land value and competition for space, Central Place Theory provides a macro-spatial understanding of how accessibility shapes urban commercial hierarchies.

2.3 Empirical Evidence from Nigeria and Beyond

Empirical studies across Nigeria and other developing contexts have affirmed the significant role of road infrastructure in shaping urban land use and commercial development. Nuhu et al. (2024) observed that in Abuja, the construction of modern road networks led to a surge in commercial property investment and an upward adjustment in rental values. Similarly, Ilo & Ezeodili (2025) documented how infrastructural improvements in Enugu triggered a wave of real estate redevelopment and modernisation of business premises.

In Minna, road infrastructure projects such as the Bosso Tunga dualization have influenced spatial business distribution, with investors interpreting these projects as signals of long-term growth and profitability (Bako et al., 2024). The clustering of banks, retail stores, and hospitality outlets along these corridors underscores the economic logic of accessibility in investment decision-making. This is consistent with global findings that infrastructural accessibility enhances both the perceived and actual returns on commercial property investment (Collier et al., 2020; Awuah & Abdulai, 2022; Khalaj et al., 2023).

Despite these benefits, some studies caution that road expansion can produce uneven outcomes. For instance, Festus et al. (2020), Kinuthia et al. (2021), and de Sousa et al. (2023) warn that poorly coordinated infrastructure projects may exacerbate urban sprawl, speculation, and environmental degradation if not supported by land use controls. The challenge is particularly acute in secondary cities like Minna, where institutional capacity for planning enforcement remains weak (Bako et al., 2024).

2.4 Challenges and Contradictions in the Literature

While most studies affirm the positive relationship between road infrastructure and commercial growth, few have critically examined the contextual variations that mediate this relationship. For example, accessibility gains do not automatically translate into equitable development, as high land values can displace small-scale traders and informal businesses. Similarly, the mere presence of infrastructure does not guarantee efficient land use unless accompanied by regulatory frameworks that prevent speculative acquisition and haphazard development (Khalaj et al., 2023). Moreover, existing research often treats road infrastructure as an isolated variable, overlooking how its impacts interact with socioeconomic factors such as income levels, planning institutions, and urban governance. This limits the applicability of generalised conclusions to the nuanced realities of Nigerian mid-sized cities, where informal economies dominate and land administration systems remain weak.

2.5 Identified Research Gap

Although the literature establishes a strong link between road infrastructure and commercial property dynamics, there is a notable paucity of context-specific studies focusing on secondary urban centres such as Minna. Most empirical investigations have concentrated on Nigeria's major metropolitan areas like Abuja, Lagos, and Enugu, leaving smaller cities under-researched despite their rapid transformation and strategic regional importance. Furthermore, few studies have systematically applied Bid-Rent and Central Place theoretical frameworks to analyse how road expansions influence business location preferences and investment decisions in such contexts.

Therefore, this study seeks to fill this gap by critically assessing how road expansion projects in Minna affect commercial space preferences and business clustering patterns. Through this inquiry, it aims to contribute to both the theoretical discourse on land use and the practical formulation of policies for sustainable urban infrastructure planning in Nigeria.

3.0. AREA OF THE STUDY

Minna, the capital of Niger State, lies between latitudes 9°37'–9°55'N and longitudes 6°29'–6°47'E. It has undergone rapid urban expansion driven by road infrastructure projects and commercial redevelopment (Bako et al., 2024). The study focused on three major corridors, Bosso Road, Tunga, and Chanchaga, representing zones with different levels of road expansion and commercial growth. Bosso Road connects the Federal University of Technology, Minna, and hosts small and medium enterprises (SMEs); Tunga contains newly developed mini-plazas and shopping complexes; while Chanchaga reflects a mix of formal and informal commerce (Bako et al., 2024). These areas were selected to capture diverse commercial responses to road improvements.

4.0 METHODOLOGY

4.1 Research Design

This study adopted a mixed-methods research design to examine the effects of road expansion projects on commercial space preferences in Minna, Niger State. The design combined quantitative, qualitative, and spatial data to strengthen the reliability and interpretive depth of findings through triangulation (Creswell & Plano Clark, 2018; Bryman, 2016). Integrating these approaches made it possible to isolate and understand both the measurable and perceptual effects of road construction on business location decisions.

4.2 Population and Sampling Procedure

The study population comprised approximately 3,000 registered commercial entities along the three selected corridors. A total of 120 respondents were drawn through stratified purposive sampling, ensuring representation from the main actors affected by road expansion:

Business Owners (n = 50): representing traders, tenants, and operators whose location decisions depend on accessibility and exposure. *Developers* (n = 40): representing investors and property developers responding to emerging commercial opportunities created by improved roads.

Planning and Land Officers (n = 30): representing public officials responsible for development control, zoning, and infrastructure planning.

This stratification allowed comparative analysis across stakeholder groups and ensured the quantitative and qualitative findings reflected diverse perspectives on the same urban phenomenon.

4.3 Data Collection Methods

4.3.1 Quantitative Data

Quantitative data were obtained using a structured questionnaire administered to 120 respondents across the three corridors. The questionnaire contained five sections: demographic information, location rationale, accessibility changes, effects of road expansion, and commercial investment preferences. Each item was designed to directly link road expansion indicators such as improved access, reduced travel time, visibility increase, and road width changes to respondents' decisions on space type, rental value, and relocation choice.

Responses were measured on a five-point Likert scale, and data were analysed using SPSS version 25. Descriptive statistics (frequencies, percentages, means) summarised patterns, while Chi-square tests examined associations between road expansion variables and commercial location

preferences. To further isolate the effect of road expansion on commercial outcomes, multiple regression analysis was employed to assess how accessibility improvements and infrastructure quality predicted space preference and business clustering (Pallant, 2020).

4.3.2 GIS and Spatial Analysis

To support the statistical findings with spatial evidence, Geographic Information System (GIS) tools were employed. Using ArcGIS 10.8, the study mapped the three corridors and identified the distribution and density of commercial properties relative to expanded roads. GIS analysis included spatial overlay and buffer techniques to measure proximity and clustering patterns before and after expansion. This spatial analysis complemented the survey and regression outputs by visually representing how accessibility improvements affected commercial concentration along each corridor.

4.3.3 Qualitative Data

To capture deeper insights and interpret quantitative patterns, 15 semi-structured interviews were conducted with selected planners, developers, business owners, and municipal officials. Interviews lasted 25–40 minutes and explored perceptions of infrastructure-led growth, investment behaviour, displacement pressures, and planning challenges.

Additionally, field observations were carried out along Bosso, Tunga, and Chanchaga to record building typologies, signage density, parking spaces, and traffic flow patterns (Kawulich, 2005). These observations provided contextual evidence supporting GIS and survey findings and helped verify on-site commercial transformations linked to road expansion.

4.5 Data Analysis

Data analysis followed a triangulated sequence. Quantitative survey data were analysed with SPSS for descriptive and inferential statistics, while regression models identified predictors of commercial space preference. GIS results spatially visualised these patterns, showing how proximity to expanded roads influenced business clustering and land use intensity. Qualitative data were transcribed and subjected to thematic analysis following Braun and Clarke (2019), identifying recurring themes such as accessibility advantage, infrastructure-led investment, and relocation pressures.

The integration of statistical, spatial, and thematic findings ensured that the analysis reflected both measurable effects and lived experiences, thereby reinforcing the study's mixed-methods integrity.

4.6 Validity, Reliability, and Ethical Considerations

Methodological validity was enhanced through triangulation among survey, interview, and spatial data sources. Reliability was ensured through pilot testing of instruments and consistent coding during data entry. Ethical approval was secured from the Niger State Ministry of Commerce and Industry, and all participants provided informed consent. Anonymity and confidentiality were maintained throughout data collection and analysis.

5.0 PRESENTATION AND DISCUSSION OF RESULTS

5.1 Shifts in Commercial Preferences

Descriptive evidence indicates that business owners in Minna are gradually relocating from traditional and congested centres toward emerging corridors such as Tunga and Chanchaga. These

new areas offer improved accessibility, better parking, and reduced congestion compared with older zones near the city centre. Dualised roads and modern complexes have made these corridors more attractive to investors and small businesses. Respondents cited accessibility (84%), reduced congestion (63%), and proximity to residences (52%) as major motivations for relocation.

This pattern supports decentralization tendencies and infrastructure-led spatial reorganization observed in other Nigerian cities (Bakare, 2024; Carmody et al., 2024). Table 5.1 presents the comparative distribution of preferred commercial spaces in 2015 and 2025.

Table 5.1. Comparison of commercial space preferences in Minna: 2015 versus 2025

Type	2015 (%)	2025 (%)	Net Change (%)
Traditional open-market stalls	50	30	-20
Roadside kiosks	25	15	-10
Shopping plazas/complexes	15	35	+20
Mixed-use residential/commercial	10	20	+10

Source: Field Survey (2025)

These descriptive shifts reflect structural reorientation rather than direct causal effects, as later inferential tests show no statistically significant relationship between construction and spatial preference.

5.2 Key Determinants of Location Preference

From the 120 valid responses analysed, five determinants were frequently cited: proximity to roads (84%), affordability (68%), security (63%), parking availability (59%), and planning clarity (45%).

Table 5.2. Factors influencing commercial space preference (n = 120)

Factor	Frequency	%
Roads & Infrastructure	101	84.2
Rent & Affordability	82	68.3
Security & Environment	76	63.3
Parking & Accessibility	71	59.2
Regulation & Planning	54	45.0

Source: Field Survey (2025)

These results suggest that while infrastructural development motivates business relocation decisions, affordability and environmental conditions remain equally relevant. Hence, infrastructure expansion may create *enabling conditions* rather than serve as a direct determinant of preference.

5.3 Inferential Results: Testing the Construction–Preference Link

A chi-square test examined whether construction activities are significantly associated with location preference (old versus new areas).

Table 5.3. Contingency Table of Construction and Commercial Preference

Construction	New Area	Old Area
Yes	72	50
No	50	28
$\text{Chi-square} = 0.33, df = 1, p = 0.568$		

Source: Analysis (2025)

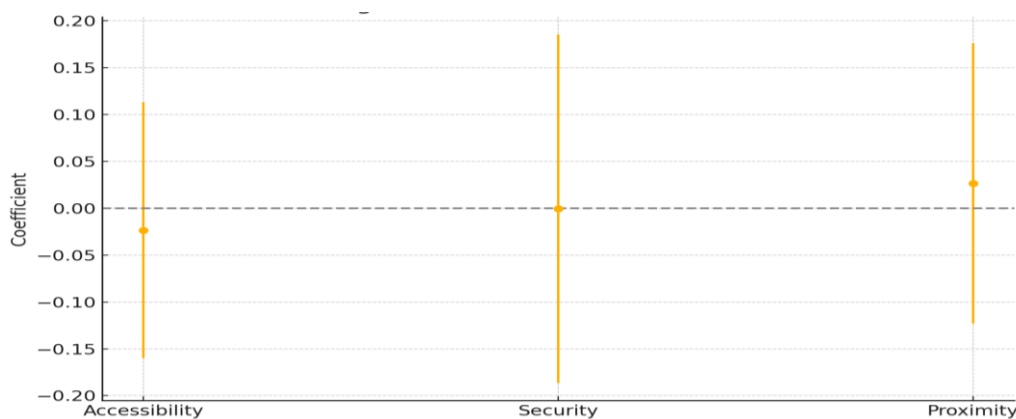
Since $p > 0.05$, there is no statistically significant association between construction activity and commercial location preference. Similarly, a regression model assessing accessibility, security, and infrastructure proximity as predictors of preference found no significant effects (Table 5.4).

Table 5.4. Summary of Regression Output

Predictor	Coefficient	P	95% CI
Accessibility	-0.0234	0.736	-0.160, 0.113
Security	-0.0005	0.996	-0.187, 0.186
Infrastructure Proximity	0.0265	0.727	-0.123, 0.176

Source: Analysis (2025)

Quantitatively, therefore, construction activities do not exert a direct or statistically measurable effect on where businesses choose to locate. This contradicts the descriptive trend but reflects the multifactorial nature of location decisions, where economic and regulatory factors moderate infrastructure impacts.

**Figure 4.1:** Regression Coefficients with 95% CI

Source: Analysis (2025)

All predictors are statistically insignificant ($p > 0.05$).

5.4 GIS-Based Commercial Hotspot Mapping: The spatial analysis complements the statistical findings by revealing non-uniform patterns of business concentration. Hotspot mapping shows emergent commercial clusters along the dualized Tunga–Chanchaga corridor, while older central zones display dispersion and decline.

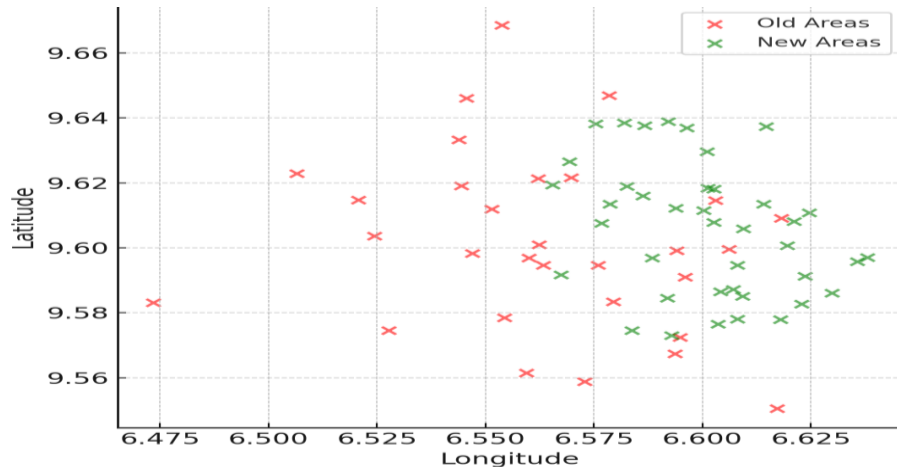


Figure 5.1. GIS Commercial Hotspots in Minna

Source: *Field Analysis (2025)*

This spatial visualization suggests that although construction does not statistically predict preference in the short term, it reshapes spatial opportunities that businesses later exploit. The pattern therefore reflects *indirect or lagged effects* of infrastructure improvement on commercial redistribution.

5.5 Qualitative insights and Synthesis

Interview data deepen understanding of this nuanced relationship. Respondents described how road expansion altered customer flow, transport routes, and visibility. One tailor explained:

“I moved to the bypass because customers increased after the road was completed rent is higher, but worth it.”

Such narratives align with previous studies linking road dualization with commercial relocation (Iroh & Kayode-Ojo, (2023). Yet, several business owners also cited forced displacement, high costs, and delayed compensation suggesting that infrastructure gains are unevenly distributed.

These qualitative and GIS findings illustrate *perceived* and *spatial* effects not captured by quantitative tests. Therefore, rather than disproving influence, the statistical insignificance indicates that construction effects operate indirectly, mediated by affordability, tenure security, and planning clarity.

5.6 Discussion

Overall, the findings of this study reveal a complex and context-dependent relationship between infrastructure expansion and the evolution of commercial spatial preferences in Minna. While descriptive, spatial, and qualitative evidence clearly demonstrate the emergence of new business clusters along recently dualized corridors such as Tunga and Chanchaga, the statistical analysis indicates that this association is not directly causal. Rather, the expansion of roads and other forms

of urban infrastructure operates as a facilitating condition that enables market actors, business owners, developers, and investors to reconfigure their location strategies over time. This means that construction activities themselves do not automatically cause businesses to relocate; instead, they reshape the underlying physical and economic geography within which commercial decisions are made.

The quantitative models, which yielded statistically insignificant coefficients for accessibility, security, and infrastructure proximity, underscore this point by suggesting that other intervening variables such as affordability, land use regulation, tenure security, and the perception of long-term profitability mediate the influence of infrastructure on business decisions. In contrast, the GIS-based hotspot analysis and interview narratives point to a more gradual and adaptive behavioral process. Entrepreneurs appear to interpret improved infrastructure as a signal of potential market expansion, leading them to establish new clusters near upgraded roads only after observing sustained customer traffic and investment stability. This adaptive behavior demonstrates how the economic impact of infrastructure is delayed, diffused, and contingent upon market interpretation, not merely physical provision. The synthesis of these findings aligns strongly with contemporary urban economic and spatial development theories, particularly those emphasizing accessibility externalities and path-dependent urban growth. According to Alonso's (1964) bid-rent theory urban land-use framework, accessibility improvements alter the perceived value of space, but their ultimate effect depends on how users and investors respond to these new spatial opportunities. Similarly, Seto et al. (2020) argue that infrastructure-driven development is path-dependent meaning that early infrastructure choices create enduring trajectories of investment and land use that only become evident over time. The evidence from Minna reinforces these theoretical insights: road expansion serves as a triggering factor that enhances the spatial potential of peripheral zones, yet the manifestation of new commercial clusters results from a market-led adjustment process rather than direct causation.

Consequently, the study reframes its central claim. Road expansion in Minna does not unilaterally determine where businesses locate, but it creates enabling spatial conditions that improved accessibility, increase visibility, and enhance connectivity that stimulate entrepreneurial responses and incremental investment. This finding has practical implications for urban policy and planning. It suggests that infrastructure investment should be accompanied by complementary interventions such as fair land allocation, transparent development control, and targeted support for small and medium enterprises to fully translate infrastructure improvements into sustainable commercial growth. The true impact of construction, therefore, lies not in its immediate statistical significance but in its capacity to restructure urban opportunity landscapes, within which businesses, investors, and local institutions interact to shape the evolving commercial geography of Minna.

6.0 CONCLUSION AND RECOMMENDATIONS

The study examined how road expansion and construction activities influence commercial space preferences and business distribution in Minna, Niger State. The findings reveal that infrastructure expansion reshapes the city's commercial geography, yet the effect is indirect and context-dependent rather than causally deterministic. Quantitative results indicated no statistically significant relationship between construction activities and location preferences, but qualitative and spatial analyses demonstrated adaptive business responses, confirming that accessibility improvements act as enabling rather than determining factors. Businesses increasingly relocate

from congested traditional centers to emerging corridors such as Tunga and Chanchaga, where dualized roads, improved visibility, and modern facilities create favorable investment conditions. These shifts correspond with Bid-Rent and Central Place theoretical postulates, showing how accessibility and centrality shape urban commercial hierarchies. However, the outcomes are uneven. Formal commercial spaces and middle-income consumer markets benefit most, while informal traders face exclusion through rising rents and redevelopment pressures. This pattern aligns with global and national evidence of infrastructure-led gentrification, where road upgrades and urban renewal accelerate socio-spatial inequality (Bakare, 2024; Carmody et al., 2024). As Bakare (2024) observed, compliance with planning regulations and accessibility to emerging business districts are key determinants of firm decisions and operational stability. Consequently, Minna now exhibits a form of urban dualism a spatial and socioeconomic divide between formal, capital-intensive business corridors and the informal sectors struggling for survival on the city's periphery.

The study therefore concludes that while road expansion supports commercial modernization and stimulates new investment nodes, it also reinforces spatial inequality unless guided by inclusive urban policies. Infrastructure alone does not drive sustainable development; rather, it must be integrated with social inclusion, fair zoning, and participatory planning to ensure that both formal and informal enterprises thrive within Minna's evolving commercial landscape. The study therefore, provides the following recommendations:

1. **Affordable Development:** Building codes and urban renewal policies should mandate the inclusion of affordable retail and office spaces for micro and small enterprises within new commercial complexes, especially along high-traffic corridors. This approach will prevent the exclusion of low-income traders and support inclusive economic participation.
2. **Inclusive Policy and Spatial Equity:** Urban master plans should designate mixed-use commercial zones that accommodate both formal and informal business activities. By integrating traditional markets and small stalls within redevelopment projects, city authorities can minimize displacement and sustain diverse commercial ecosystems.
3. **Trend Monitoring and Data-Driven Planning:** Government and planning agencies should employ GIS-based mapping to monitor business migration trends and commercial clustering patterns. Such continuous data tracking will enable proactive zoning adjustments, better traffic management, and equitable distribution of infrastructure benefits.
4. **Stakeholder Engagement and Transparency:** Local authorities, developers, and community groups should establish regular consultative forums where project plans, compensation processes, and spatial changes are openly discussed. Early engagement fosters trust, mitigates disruptions, and ensures that road construction benefits are shared equitably across social classes.
5. **Integrated Infrastructure and Economic Policy:** Infrastructure development should be aligned with economic empowerment programs, including credit access, vendor training, and relocation assistance for displaced traders. This coordination will transform road projects from mere physical upgrades into sustainable engines of inclusive urban growth.
6. **Regulatory Enforcement and Planning Discipline:** Strengthening enforcement mechanisms for land use and construction standards will help control unplanned sprawl and speculative development. Clear regulatory frameworks can also guide investors toward sustainable, well-serviced zones and enhance overall city functionality.

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