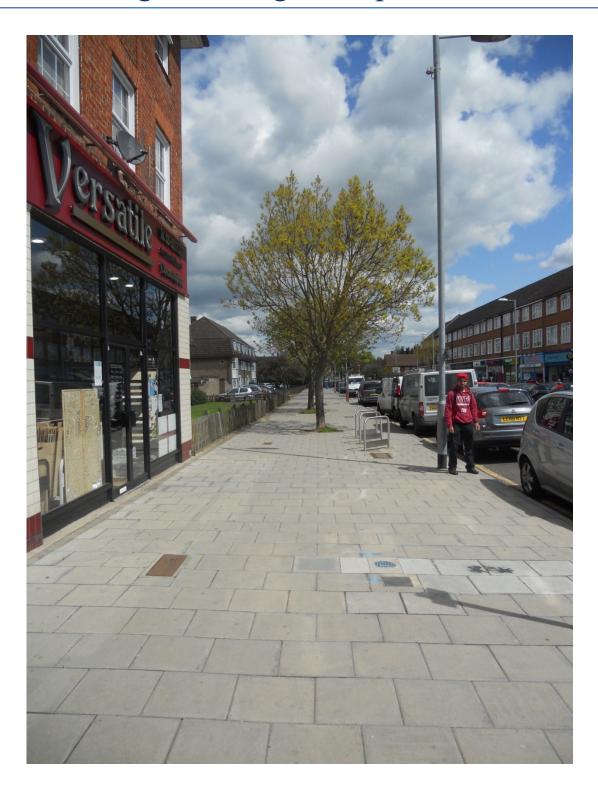
# A Study of Local Centers in The Royal Borough of Kingston upon Thames



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An Interactive Qualifying Project submitted to the faculty of Worcester Polytechnic Institute in partial fulfillment of the requirements of a Degree of Bachelor of Science

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This project was the work of four WPI undergraduate students submitted to the faculty as evidence of completion of a degree requirement. WPI routinely publishes these reports on its website without editorial or peer review

# **Abstract**

The purpose of this project was to update and expand the 2009 Local Centers Study for the Kingston Council. The team devised an improved audit methodology to obtain and synthesize data on the status and health of local urban centers. The study found most centers are in good health with only a small handful ailing. The report can serve as a template for future studies of center health and deficiency in Kingston and other boroughs.

# Acknowledgements

We would like to thank many people for helping us throughout the duration of our project, providing us with valuable information and insights. Their expertise and guidance allowed us to expand and fulfill the potential for our project.

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# **Executive Summary**

In the Royal Borough of Kingston (RBK), communities often rely on local shopping centers for convenience goods, highlighting the importance of healthy centers. To ensure that the health of the centers in Kingston continue to flourish, national, regional, and local planning policies have been devised and implemented in order to encourage the growth of the centers and community alike. For these policies to be put into effect, the policy and planning division of the Kingston Council conducts health checks of all of their local centers every five years. The result of the most recent check, conducted in 2007, was the 2009 report: "Royal Borough of Kingston upon Thames Local Centres Study." The primary purpose of this project was to assess the status and health of local centers in the RBK and offer recommendations for future policy based off these assessments. We developed the following 5 objectives to fulfill this purpose:

- 1. Identify and inspect policies and practices that directly influence local centers and their viability and vitality;
- 2. Clarify the scope, purpose, and methods of the project;
- 3. Assess the vitality and viability of the local centers within the RBK;
- **4.** Identify center deficient areas within the RBK that have potential to support a center; and,
- **5.** Recommend policies and practices to enhance the viability and vitality of local centers and sites for new centers within deficient areas.

#### **Methodology**

Based on an extensive review of the literature and discussion with council staff, we designed our audit methodology to collect data on the following Key Performance Indicators (KPIs): occupancy rates, diversity of current usage (use classes), pedestrian flow and environmental quality. Anchor tenants, such as convenience stores or grocers, are thought to have a substantial impact on the health of local centers, but they are vulnerable to development elsewhere in the borough and can be smothered by larger stores that offer similar goods at district centers. Consequently, we were careful to record the presence or absence and types of convenience stores in each center.

Building on the protocols used in 2007, the team developed several tools to gather the data, including: a Center Audit Checklist, a Shop Keeper Survey, a Shopper Survey, a Center

Summary form, and a Survey Manual. The Center Audit Checklist was designed to collect data on transportation, quality of the public realm, and other observations of the center. Not measured in previous studies, the quality of the realm is a relatively imprecise term used to refer primarily to the aesthetics of the urban environment, such as the presence of trees, the quality of the street furniture, and the absence of street clutter, rubbish, and graffiti. The team pre-tested the audit protocols in several local centers to address implementation issues and calibrate the methods to assure consistency in data collection regardless of which team member was collecting the data. In 2009, outside consultants were hired to conduct statistically representative residential surveys. Conducting similar residential surveys was beyond the scope of this project, but the team conducted convenience surveys with 44 shoppers and 19 shopkeeper surveys. These surveys provided additional qualitative information that supplemented the audit data. Getting a reasonable sample of shoppers to agree to answer survey questions was difficult because many centers had little foot traffic during the day and many shoppers were reluctant to take the time. To supplement the surveys completed in the various centers, we distributed an online version of the survey to the Kingston Council staff and team members went to seven libraries asking the patrons to fill out the survey based on the center they visited most. We created a Center Summary form to expedite the data entry from the surveys and center audits. As an aid to future data collection efforts in the borough, the team developed a Survey Manual that outlined, in a step-by-step fashion, the methodology and criteria used in the study. Ideally, future studies will follow the manual, thus providing data readily comparable to this 2012 report.

# **Findings**

In the assessment of the Borough's local centers, the team found that since the last study many of the centers have stabilized in health and composition, breaking the downward trend that had been evident since 1989. Most of the centers in Kingston are performing well and will remain viable and vital for years to come. Some centers would benefit from small additions such as road signs or designated pedestrian crossings. We identified only three centers that appear to be performing poorly. Ace of Spades and Chiltern Drive have high vacancy rates and Chiltern Drive is simply not meeting the role of a local center because it failed to have an adequate diversity of outlets available. The team determined that the factors that contribute to healthy centers had been thoroughly identified in the 2009 report and have not changed. They include:

- Inclusion of an adequately sized convenience store − 150m²+ gross;
- Prominent location;
- Adequate parking provision;
- Minimal catchment area overlap;
- Good pedestrian environment such as sufficient pedestrian crossings, and;
- Broad range of retail, service, and evening economy attractions (e.g. A3 and A5 uses)

The data revealed that occupancy rates among A1 units have stabilized from the downward trend of the past few decades. Additionally, there has recently been a slight increase in the percentage of A1 comparison shopping units becoming A1 convenience stores. With the exception of the two re-bounded and reclassified centers, Kingston Road (South)/Park Road and Cambridge Road, the numbers of units has not changed substantially overall or among individual centers. In fact, in 15 out of the 25 centers the numbers of units have not changed since 2009. Of the remaining 8 centers that were not reclassified there were only slight changes in the numbers of units caused by shops expanding and taking over other addresses or splitting into several new units.

Through the use of GIS analysis, the team found the number of households served by the local centers had decreased overall with one exception and that the deficiency areas identified in the 2009 report still exist. Due to difficulty determining previous methods used in determining deficiency areas for the previous studies comparison of actual numbers do not provide useful figures. As such future studies should focus on rigorously defining a method for GIS analysis and document the process for future studies. Some suggested points to take into account are as follows:

- Major roads and rail lines are essentially pedestrian barriers and should be used to break deficiency regions.
- Distances should be either 'as the crow flies' or walking distance, ideally walking distance, as this is more representative of the actual conditions the report is trying to measure.

• If data can be obtained from neighboring boroughs on A1 convenience outlets near the boundary of the Borough some of the deficient regions adjacent to the boundary could show significant reductions in un-served populations during analysis.

Plotting the location of healthy and less healthy centers on GIS-generated base maps failed to reveal any association with unemployment rates, levels of deprivation, or ethnicity in the borough. Likewise, there was no apparent relation between quality of the public realm and center success. For example, Chiltern Drive has a high quality public realm but is ailing as a local center. The team did, however, find a link between lower quality of the public realm and the presence of busy streets in centers. A busier street decreased the overall quality of the public realm due to high traffic and limited crosswalks in the center, making navigation both difficult and dangerous. While not directly practical for the borough's planning team, the transport and highway team might use these findings to choose their next target for improvement works.

Based on this limited assessment, there are no clear factors that explain why some centers are successful and others fail although it is clear that the absence of a key anchor tenant, adequate access and parking, and center visibility are key variables. Average outlet vacancy rates on a neighborhood basis only provide trends in the vacancy over time and masks the wild fluctuations in individual center vacancy rates over time. From the shopkeepers and shoppers, the team found that the most common complaint was expensive parking and a lack of parking. We found vacancy rates to be most useful in substantiating a diagnosis of poor health but not necessarily an indicator of poor health.

#### Recommendations

Based on the results of the study, the team has recommendations in two areas; methodological suggestions for future studies and policy options to maintain and encourage center viability and vitality. Future studies will benefit from the tools we devised through the audit process and if used again in accordance with the survey manual will produce comparable data. Surveys of residents need to be more thorough to attain a wider breadth of data as well gain different opinions from varying demographics.

In terms of policy recommendation, the Council should continue to encourage diverse uses of centers. Efforts in improving the visibility of lower traffic centers through posted signs would help centers maintain the revenue needed to stay vital. Council support and advocacy of appropriately sized A1 convenience outlets will help centers gain or maintain an anchor tenant. Appropriately sized A1 convenience outlets provide centers with enough draw for prospective tenants and visitors to further enhance center viability and vitality.

# **Authorship Page**

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2.2	A.B, S.J & V.S	A.B. & S.J
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# Introduction

Major urban areas typically contain a number of discrete town centers or nodes of economic activity that vary in size and function. For example, in the Royal Borough of Kingston upon Thames (Figure 1) the retail hierarchy comprises of one metropolitan center (Kingston Town Center), three district centers (Tolworth, Surbiton, and New Malden), and 25 local centers. This hierarchy can be seen in Figure 4, however, it should be noted that this map is of the boroughs centers in 2005. Kingston Town Centre "is one of London's most successful metropolitan town centers and is a popular regional shopping destination attracting approximately 18 million shoppers a year from a wide catchment area" (Core Strategy, 2012) including Surrey and other parts of south London. Lower in the hierarchy, three district centers supplement the role of Kingston Town Centre and provide a valuable range of walk-to shops and services for their local communities. This leaves local centers, which are substantially smaller than district centers. Typically, they include a small number of shops in 'parades' or as clusters at key intersections. Local centers provide a limited range of "day to day" goods and services for local residents, particularly to those who have limited access to larger centers. The vitality and viability of town centers throughout the retail hierarchy varies over time in response to a variety of factors such as suburbanization, economic conditions and changes in consumer shopping habits.

The planning profession has long recognized that healthy town centers are essential for the creation and maintenance of successful, sustainable communities and meeting the needs of residents. Consequently, since the 1940s planning policies at the national, regional and local levels have reflected this through guidance that seeks to manage and enhance centers. Most recently, the National Planning Policy Framework (NPPF), adopted in 2012, directs local planning authorities (LPAs) to:

- "recognize town centers as the heart of their communities and pursue policies to support their viability and vitality;" and,
- "Where town centers are in decline, local planning authorities should plan positively for their future to encourage economic activity." ("National Planning Policy", 2012, p. 7)

The London Plan (2011), produced by the Greater London Authority (GLA), which states that London boroughs should undertake regular town center health checks to inform strategic and local policy and implementation, provides further regional guidance<sup>1</sup>.

Accordingly, the Royal Borough of Kingston upon Thames' Local Development Framework (LDF) has developed policy documents that focus on maintaining and enhancing its town centers. The Core Strategy (2012) which serves as the borough's principal development plan dedicates one strategic and two development management policies to achieving these objectives and a Town Centre Area Action Plan (AAP), K+20 (2008) which sets out specific policy guidance for Kingston Town Centre. Core Strategy (2012) policy CS12 states that the Council will:

- "update the Local Centres Study (2009) and explore how to improve local shopping provision in residential areas with the greatest deficiency (Areas 6 and 7 outlined in the Local Centres Study (2009))
- conduct regular town centre healthchecks[sic]"

As stated in the Core Strategy these center health checks are to be regularly occurring, and historically have occurred every five years. This study is meant to continue this cycle and update the 2009 study as well as expand the number of criteria considered. These additional criteria include measurement of the quality of the public realm and interviews with outlet owners within the centers.

Through the review of the existing network of local centers in Kingston the team found that with the exception of a few centers the borough's local centers were performing well. Of those centers performing well, some needed small changes to further enhance their viability and vitality. The ailing centers on the other hand need significant aid from the council or need to be revaluated in their status as a center. We preformed geospatial analysis to investigate demographic influences, catchment area populations, and deficient populations. Our GIS analysis found that most of the deficient households were located in New Malden. Additionally, since the 2009 study the majority of the deficient areas have decreased in overall population contained. The team did not find any demographics that correlated directly to the poor health of

<sup>&</sup>lt;sup>1</sup> See London Plan Policy 2.15 for further information.

centers or vice-versa. Furthermore the quality of the public realm factors measured had no bearing on the overall performance of any given center.

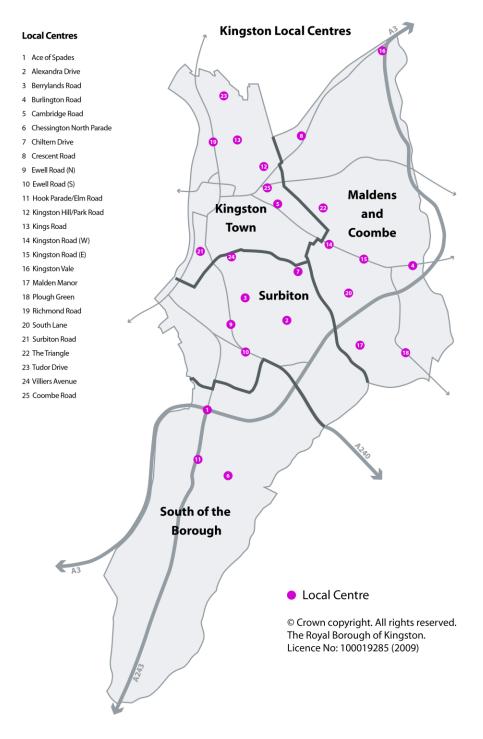


Figure 1: The Royal Borough of Kingston upon Thames and its Local Centers

# **Literature Review**

Over the last several decades, urban planning has become a key aspect of the UK's policy making. As of March 2012, new national legislation, in the form of the NPPF, superseded the Planning Policy Statements to provide an overarching direction to the efforts of regional and local government authorities. The role of local centers has become a major topic of urban planning as governmental bodies look for ways to promote center health and development, as well as residents' equality of access to necessity goods. To evaluate the health of these local centers, a series of audits are discussed. Furthermore, the development of effective policy recommendations requires a comprehensive understanding of prior works in the field.

# 2.1 The Royal Borough of Kingston upon Thames

Located in the Southwest of London, the Royal Borough of Kingston upon Thames, one of the four Royal Boroughs, acted as a market town in the past and maintains a similar role today (Figure 2). Once abundant with aircraft manufacturers, past decades have led Kingston to place a greater emphasis on retailing, with the redevelopment of a large portion of Kingston Town Center as a pedestrian area.

Overall, Kingston is a relatively affluent borough with a growing ethnic population. For 2010/2011, the budget for the borough was £131.607m; however, in the coming year, Kingston expects revenues to decrease 9.8% ("Statement of accounts 2010/11," 2011). Between 2005 and 2010, the population has grown by 7.2% with 2,168 houses built between 2003 and 2008. Kingston's largest age group is 20-24 year olds, which can be partially attributed to Kingston University. A larger portion of Kingston's residents use public transportation compared to the populations of London as a whole and England, with 21% of commuters using the train compared to 13% and 5% respectively. Non-white populations accounted for 16% of the population in 2001 (Borough Profile, 2011) increasing to 23.6% in 2011 (Table 1). As can be observed in Figure 3, minorities in Kingston are clustered towards the Northeast; when compared to the centers that are classified as district and larger (Figure 4<sup>2</sup>) it is evident that the New Malden district center is the only large center in an area of increased non-white population.

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<sup>&</sup>lt;sup>2</sup> This figure is from the 2009 report and is used illustratively.



Figure 2: Location of Kingston in London

In accordance with the planning policies, the Kingston council tries to promote the health and development of centers throughout the borough to enhance the vitality of the various neighborhoods and equality of access. To help guide its efforts, the council has conducted several center health assessments over the last ten years. The most recent of these studies was conducted in 2009 and concluded that, of the 28 centers, four centers needed to be reclassification, three were in need of significant support, three required boundary review and one parade needed to be classified as a center. This resulted in 25 remaining local centers in the borough. The study also found the residents in the South of the Borough were the most displeased with their shopping options. Additionally, the importance of parking, properly sized convenience stores, location, quality pedestrian environment, and outlet variety played roles of varying significance in center viability and vitality. These findings provide evidence supporting planning policy as well as directing its creation.

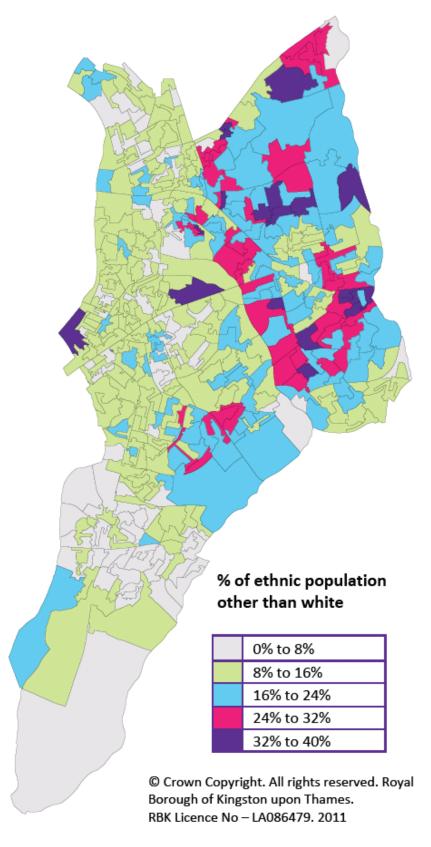


Figure 3: Ethnic Population in Kingston

Table 1: Population Numbers Based on Ethnicity (Greater London Authority, 2012)

Ethnicity	Population Projections 2011	Percentage of population
All Ethnicities	158,851	
White	121,336	76.4
Black Caribbean	1,162	0.7
Black African	2,365	1.5
Black Other	1,369	0.9
Indian	7,695	4.8
Pakistani	2,794	1.8
Bangladeshi	598	0.4
Chinese	3,368	2.1
Other Asian	7,079	4.5
Other	11,086	7.0

# 2.2 Government Planning Policies

The United Kingdom has designed much of its planning policy in order to maximize benefits to local communities while minimizing negative impacts of urban growth and development. Key issues in urban planning include environmental impact, urban development, accessibility of retail space, and affordable housing. The Planning and Compensation Act of 1991 required local authorities to develop Unitary Development Plans (UDPs) to ensure consistent and integrated development throughout the nation.

The Kingston Unitary Development Plan, adopted in 2005 by the Kingston Council, outlined policies intended to guide developments made to improve the borough. Promulgated by central government, Planning Policy Guidance 6 and 13 along with Regional Planning Guidance 3 directed the development of the UDP. These planning documents provided guidance on the development of town and district centers.

They stipulated that the placement of town centers should be arranged such that they are centrally located providing easily accessible employment opportunities, relaxation, shopping, and other forms of entertainment. To improve viability, the borough encouraged the use of upper floors of buildings in the town centers (i.e., those above business outlets) as housing and other mixed-use purposes that would benefit the community at large. In an effort to maintain the economic stability and accessibility of district centers, the unit uses were strictly controlled to ensure that groups of non-retail stores, such as restaurants, did not dominate and disrupt the flow of pedestrian traffic and access to stores along main streets ("Unitary development plan," 2005).

The Local Development Framework (LDF), implemented in 2007, replaced the UDP, providing a more rigorously defined policy for achieving the same goals. The level of community involvement, through the draft writing and the policy making process, is fostered in the LDF. For example, the "Statement of Community Involvement" encourages the community to interact and help shape the creation of policy documents ("Statement of community," 2007). The overarching goals of the Core Strategy, from the Development Plan Documents, are to sustain and augment the environment in the largest center, Kingston Town Centre, and to improve the range and quality of services offered in district centers in New Malden, Surbiton, and Tolworth to better complement Kingston Town Centre (See Figure 4). To help on the shop level, the Council will explore improvements that can be made to support struggling shops, especially those outside the district centers. To protect the future of these centers, the Council will ensure that any new shop is a good fit for its location. The Council will also ensure that the new shop will not have major adverse effects on local jobs, the environment, or disrupt the center and its patrons ("Planning for the future," 2011). The Kingston Council has a well-defined plan for the present and the future when it comes to the planning, maintenance, and updating of district centers.

When passed in March of 2012, the National Planning Policy Framework (NPPF), superseded all past policies. In an effort to make planning policy accessible to the public, the NPPF "replace[d] over a thousand pages of national policy with around fifty" (National Planning Policy Framework, 2012, p. ii). The overarching goal of the NPPF is to increase economic, social, and environmental sustainability in communities, specifically in homes, centers, and transportation. For local centers, the NPPF stipulates that policy clearly defines center

boundaries, promotes outlet variety within a center, and recognizes the needs of businesses as they change over time. Furthermore, when town centers suffer financially the Council's plans must help encourage economic growth. The NPPF suggests that the sustainable development it strives to achieve has three key aspects: economic, social, and environmental. To fulfill the social aspect, a local government must provide adequate housing, foster the growth of strong, vibrant communities, and create a high quality building environment which provides accessible local services (National Planning Policy Framework, 2012). Healthy, well-developed local centers address the economic and environmental aspects of the sustainable development outlined in the NPPF.

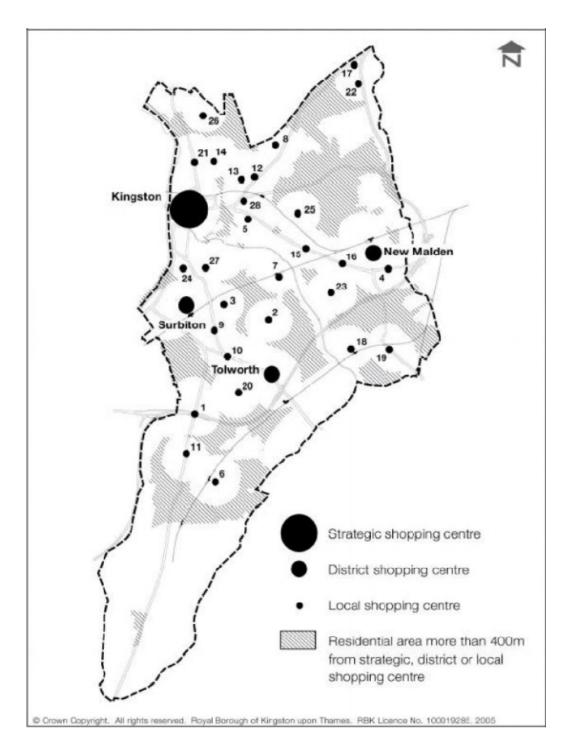


Figure 4: Map of Centers Within Kingston Outlining Center Size and Deficiency Regions

# 2.3 Community Impact

Local centers play a key role in providing a community with access to basic essentials and can even create an improved sense of community spirit (West, 2003). The convenience that these centers provide to residents improves their quality of life by reducing time wasted on

traveling when shopping; this makes it easier to purchase "top up" items and promotes a sense of community by providing local meeting and leisure places. While goods may be less expensive at large district centers, local centers justify their existence through savings in "the cost of time and effort" necessary to access them (Warnaby et al., 2004, p. 461). Another key aspect of local centers is the improved accessibility for less mobile groups of citizens. The elderly, young, and poor are often either unable to drive or own a car. This would leave them at a disadvantage if not for smaller, local centers, as large retailers are often located further away and are consequently out of reach (Bromley et al., 2002; Williams et al., 2001). Employment opportunities provided by centers encourage growth in a region (Thorpe, 1983). Strong attractive centers also lure prospective residents and meet the needs of current ones due to their convenience and concomitant increase in local property values (Colwell, 1985). Because of these contributions, governmental bodies have a vested interest in tracking and helping local centers deal with negative interactions between themselves and the larger types of centers.

# 2.4 Center Competition and Dynamics

Often small centers are forced to compete with large shopping developments; this leads to the decay of these neighborhood centers (Page, 1996). The inability of local grocers to compete with large supermarkets exemplifies this trend. These smaller local food markets are often the anchoring tenants in their local centers, thus when they go out of business the entire center can fail (Gatzlaff et al., 1994; Guy, 1996). The loss of an anchor tenant reduces the draw of the center as a whole, threatening the future of the smaller tenants that remain (Gatzlaff et al., 1994). Chain superstores, such as Tesco and Sainsbury, attract customers leaving independent grocers to 'shutter their windows' (Guy 1996). A related cause of decline is the unregulated over-development of an area, over saturating the market with competing shops and centers (Balsas, 2004; Thorpe, 1983). Large centers are often purposely built to be a shopping destination, allowing for planning of layout and design prior to construction. They also get the benefit of a central management structure, one of the goals of which is to maintain the public environment and aesthetics. Local centers lack these luxuries provided for larger centers; therefore, the protection from the local government is key in maintaining healthy local centers. Managing local centers properly requires a practical definition of a healthy center.

#### 2.5 Center Health

The two overarching terms that are often cited in literature focusing on the health of a center are vitality and viability (Balsas, 2004; Bromley et al., 2002; Ravenscroft, 2000). Vitality can be seen as a reflection of the flux of customers through the center and viability as the attractiveness of the center to new or continued investment (Ravenscroft, 2000). When vital and viable, a "city center feels lively to people and [...] it has a capacity for commerce to live in it" (Balsas, 2004, p. 103). While it may seem obvious even to the casual observer if a particular center is 'healthy', Ravenscroft (2004, p. 2537) notes, "there is currently little understanding of what factors contribute to the health of town centers, nor how these factors should be measured." Research done by Balsas (2004, p. 103) takes into account the viability and vitality but adds extra elements of "sense, fit, access and control" further complicating the definition of center health. He suggests that informal health checks can be performed annually by "getting feedback from town-center stakeholders or through score-based town-center health checks" but cautions that such checks are very subjective and can vary from day to day (Balsas, 2004 p. 103). As a result, it is suggested that studies break health check measurements into several Key Performance Indicators (KPIs) (Balsas, 2004; Bromley et al., 2002; Ravenscroft, 2000; Warnaby et al., 2004) such as:

- Occupancy rates;
- Diversity of current usage;
- Pedestrian flows; and,
- Environmental quality.

The KPIs are based on quantifiable data rather than feedback from stakeholders to enhance the objectivity, comparability, and reproducibility of the health assessments. Of the four listed KPIs, local government only directly influences environmental quality, in the form of the quality of the public realm.

# 2.6 Quality of the Public Realm

Outdoor spaces open to public access are known as the public realm. In the planning literature, there are multiple ways to characterize the public realm. For example, Cardiff, a city in the UK, lists ten key characteristics. According to Cardiff, in considering the quality of the public realm, one must take into account: cleanliness, accessibility, attractiveness, comfort,

inclusiveness, vitality and viability, functionality, distinctiveness, safety and security, and robustness (Cardiff Council, 2011). This exhaustive list can be reduced into more readily measurable characteristics: cleanliness, accessibility, attractiveness, and safety. To a large degree, these qualities are subjective and broad; however, by reducing them into a set of quantifiable criteria, they become readily analyzable (Davies, 2000).

The amount of rubbish, gum, and general dirtiness of an area determines its cleanliness (Cardiff Council, 2011). Accessibility depends on the ease of access and the amount of street clutter. A center that is highly accessible should be easy to traverse for both an average citizen and someone with mobility issues such as the young or old as well as those with disabilities. For example, centers can have low curbs, ramps, or include tactile pavements with bright colors that indicate the placement of pedestrian crossings to the visually impaired (Cardiff Council, 2011). Street clutter is the measure of the density of street furniture and other fixed objects can directly affect the accessibility and the aesthetics of an area. Large amounts of clutter lead to pedestrian bottlenecks, making many of the activities performed in a center difficult (Davies, 2000).

Attractiveness can be broken down into quality of the street furniture, quality of pavement, and graffiti. The Cardiff Council believes that street furniture dramatically impacts the public realm noting that, "when thoughtfully designed and positioned, items create a straightforward, functional and comfortable environment for all users of the public realm" (Cardiff Council, 2011). Over abundant street furniture leads to obnoxious street clutter, whereas elegant placement can attract more visitors to a center and add to the visitors' experience (Davies, 2000).

In Western culture, recognition of graffiti as a legitimate art form has grown in recent years; however, this has made differentiating vandalism and art more difficult (Stewart, 1987). There are three main types of graffiti: 'tagging', 'throw-up' and 'pieces' (Werwath, 2006). Tagging is the well-known act of inscribing, spray-painting or otherwise putting down one's name in the simplest manner. 'Tagging' generally lacks aesthetic appeal and is typically intended to show gang 'ownership' of an area (Stowers, 1997).

'Throw up' is essentially a more complicated method of tagging, generally creating a threedimensional image through perspective or additional layers of intricacy. 'Pieces', or murals, are signed, complicated images that can take multiple artists long periods of time to complete. Pieces are by far the most likely to be aesthetically pleasing and the form most likely to be considered art (Tucker, 1999). Due to the subjective nature of art, there is little consensus about whether or not graffiti is attractive, unattractive or demonstrates an area that is healthy and active or in decline. Consequently, academics and planners tend to focus on more easily measured key performance indicators (KPIs).

# 2.7 Center Revitalization

Most of the literature available focuses on using the KPIs to provide direction for center revitalization efforts (Bromley et al., 2002; Page, 1996; Ravenscroft, 2000; Warnaby et al., 2004). To reverse the decline of centers, both town and district, many strategies have been proposed in the literature. Initially, around the early 1980's, most revitalization efforts focused on placing centers under central management, such as Town Centre Management schemes (TCMs), by governmental authorities (Page, 1996). Products of central management schemes include "controlled parking schemes and the provision of appropriate facilities for users" (Page, 1996, p. 161). Over the years, research has repeatedly linked improving local parking and pedestrianization (Bromley et al., 2000) with improving health in ailing centers. As early as 1983, Thorpe identified accessibility, parking, and 'environment' (where environment encompasses the quality of public transport and the levels of pedestrianization) as key attributes to encourage revitalization.

Page (1996) identifies many of the methods by which TCMs endeavor to directly influence KPIs. In Page's examples, a TCM might distribute pamphlets, walking maps, or post signs in an attempt to improve the pedestrian flow. The success of TCMs' marketing efforts can be evaluated under two different categories, simple-effectiveness and objectives-effectiveness (Watson, 1997). Simple-effectiveness is the measure of quantitative metrics like the 'advertising value equivalents,' whereas objective-effectiveness measures the success resulting from marketing. Although significantly more complicated in measurement, objective-effectiveness provides practical information while simple-effectiveness measures quantities that do not necessarily correlate to improvements to centers. In their study, Warnaby and colleagues (2004) defined simple-effectiveness as the commercial value of the TCMs' produced advertisements in the private sector. The advertisement campaigns analyzed in the study were deemed successful in

terms of simple-effectiveness; unfortunately, they found objectives-effectiveness much more difficult to quantify.

The Kingston Town Centre Management Company and the Kingston Chamber of Commerce are examples of Kingston's implementation of TCM schemes. The Kingston Town Centre Management Company, better known as KingstonFirst, is an organization that works to improve centers through Business Improvement Districts (BIDs) with money collected from all local businesses. The first BID in 2004 attracted more customers by making the center streets cleaner and safer through reducing violent crime by 25% (KingstonFirst, 2009). BID2, which aimed to continue goals from the original BID and improve public transport through 2015, was voted upon and passed by local businesses in 2009. The Kingston Chamber of Commerce allows small and medium sized businesses that are local to, or trading in, Kingston to become members. Membership gives access to networking events and various workshops held throughout the year. Kingston upon Thames strongly supports its larger centers thus protecting and growing a vital part of the local identity and economy.

Totally Locally, another center aid program, was created by the Department for Communities and Local Government to increase local shopping through numerous activities and initiatives. This is a "social enterprise that provides a free marketing and branding campaign to towns nationwide" ("Parades to be," 2012, p. 12). The purpose of this program is to promote growth on the micro community level instead of promoting large shopping or grocery stores. Totally Locally tries to change the mindset of shoppers by highlighting the benefits of shopping locally and supporting the well-being of the surrounding town. This is a simple option from a council's point of view because Totally Locally is a free volunteer campaign. So far, town reports have concluded that the overall community engagement has increased on a business, retail group, and individual level. One of the best ways to measure community involvement and gage the use of local centers is through surveys of local people and businesses.

# 2.8 Surveying

Surveying shop owners and shoppers within a center provides an additional set of data, which aids in the evaluation of KPI's and consequently the development of planning policy. The appropriate use of surveys uncovers trends in the behavior of shoppers and sheds light on the preferences shoppers have when visiting a center (Connely, 2012). To optimize the amount of

completed surveys and the quality of data garnered, the audience, types of questions, clarity and length of the survey must be considered (Kuniavsky, 2003). Workers on lunch break during the week tend to be pressed for time with their time whereas weekend shoppers have more free time. Written responses take substantially more effort to analyze and drive off more surveyee's than multiple-choice questions but potentially provide additional information not considered by the survey writers. Likewise, lengthier surveys provide more information per person surveyed but tend to reduce the response rate.

Some information that can be collected at local centers through surveys include:

- Frequency
- Volume
- Distance Traveled
- Type of Shopping
- Products Purchased
- Center Stability

The frequency refers to the regularity of customers visiting a center. Volume refers to the number of shoppers that visit a center. Distance traveled involves the distance a shopper travels to a center. Products purchased and type of shopping are inter-related because the types of products purchased can dictate the overall type of shopping such as convenience or comparison shopping. The center dynamics refers to the overall stability of the market. Interviewing a shop owner, for example, can shed light on the current market and the overall health of the center. Due to the nature of the project and interviews with various individuals, there are restrictions and limitations that need to be established to keep the interview focused (Kuniavsky, 2003). An effective interview of the type used in these studies refrains from asking any personal questions and establishes a scope for the interview so it can be done in a small amount of time.

Many of the shopkeepers have limited time due to the flow of customers, and since the customers are the first priority a quick survey that is not time demanding is essential (Connely, 2012). During the course of the interview, it is plausible that it may go on a tangent due a subsidiary question or an interviewee's responses, therefore it is important to keep a set of questions on hand with guidelines to keep the interview cogent (Kuniavsky, 2003).

# 2.9 Conclusion

Throughout the background research, numerous relevant policies and guidelines that promote the diversity, viability, and vitality of a center to encourage prosperity are referenced. As a large urban community, Kingston requires local centers to sustain people that are not in close proximity to a district center. Making sure these local centers are healthy is critical to supplying the community with convenience goods. Some of the factors that play into center success are the variety of outlets, traffic flow, and the overall quality of the public realm. Using the data collected, planners aim to devise and shape planning policies to promote healthy centers. This knowledge lays the foundation for analyzing local centers and their outlets in order to create a reproducible and pragmatic study for the council. The last audit conducted by the RBK was published in 2009 and now requires updating and expanding. The methods for assessing center health are constantly evolving and the improved methods for the RBK local center study will be discussed in the next section.

# 3 Methodology

The goal of this project was to assist The Royal Borough of Kingston upon Thames in updating its 2009 Local Centres Study and to fulfill the policy requirements of Core Strategy Policy CS12. The project comprised the five following objectives:

- 1. Identify and inspect policies and practices that directly influence local centers and their viability and vitality;
- 2. Clarify the scope, purpose, and methods of the project;
- 3. Assess the vitality and viability of the local centers within the RBK;
- 4. Identify center deficient areas within the RBK that have potential to support a center and;
- **5.** Recommend policies and practices to enhance the viability and vitality of local centers and sites for new centers within deficient areas.

# 3.1 Objective 1: Identify and inspect policies and practices that directly influence local centers and their viability and vitality

The project team conducted an extensive review of planning policy and guidance pertaining to the role of local centers and their vitality and viability in communities. The discussion in the literature does not fully expose the nuances of Kingston's center-community relationship, thus we interviewed experts in the field to parse out said nuances. Building on the suggestions of our sponsor, we developed a list of individuals in different boroughs that we could interview to learn about the methods of similar studies throughout London. Other potential interviewees included staff within the borough and experts from within the planning community, such as planners from local boroughs. These other boroughs, Sutton, Merton, and Mole Valley, all conducted similar studies. The interviews helped us identify new sources of data, methods, and types of analysis and fortify the research presented in the literature review. The team conducted semi-structured interviews via email, telephone, and in person. The interviews consisted of open-ended questions based on research of past models and the project goals. The topics of discussion for the interviews incorporated the professional experience of the individual along with research questions pertaining to the studies that they conducted or managed.

# 3.2 Objective 2: Clarify the Scope, Purpose, and Methods of the project

Upon arrival, the team clarified the scope and purpose of the project such that the proposed methods aligned with the goals and preferred protocols of the sponsor. After a series of

project development meetings with pertinent staff in the council, the team resolved various methodological questions, including:

- How should the center boundaries be defined?
- What Geographical Information Systems (GIS) and other databases contain information relevant to the study (such as building footprints, floor space by business, etc.)?
- Which Key Performance Indicators should be used in the updated study?
- What features and criteria should be used in evaluating the quality of the public realm?
- How can we design this study to yield comparable in future studies?

# How should the center boundaries be defined?

Defining center boundaries was an essential component in preparing to survey local centers. From our review of the literature and past center assessments, it was unclear how center boundaries were defined. However, following a discussion with our sponsor, we found that the center boundaries are rigidly defined in the existing planning policy guidance. If outlets or other structures were outside of the boundaries, then they should be noted in the audit to be incorporated later on in the council database.

What GIS and other databases contain information relevant to the study (such as building footprints, floor space by business, etc.)?

Using Kingston's GIS system, Integrated Spatial Information System (ISIS), we identified additional land use and individual property data that would not typically be found in other Council archives (e.g. floor space information, easting and northing co-ordinates and planning permissions history). The database allowed the generation of base maps of the centers, giving the team a handheld, explicit guide defining what was and was not part of the center. Using this database, the team pictorially and graphically represented trends from the data and surveys on maps to help establish areas of deficiency as well as catchment areas. From this information, maps of deficient regions were synthesized.

# Which Key Performance Indicators should be used in the study?

From the literature review, we identified more than eight potential performance indicators; however, after discussions with our sponsor, the team discovered that many were not pertinent to this study nor were impractical to measure in a seven-week period. The final choice of KPI's, listed in Table 3, includes: unit occupancy/use class, unit vacancy levels, quality of the public realm, parking availability, floor space, number of outlets and available modes of transportation. With the exception of floor space data, which were available from existing council databases, all of the data were gathered in the field by the team.

What features and criteria should be used in evaluating the quality of the public realm?

Quality of the public realm was not evaluated in the 2009 Local Centres Study, but the borough staff was eager to include such an evaluation in the updated center evaluation. Through meetings with members of the planning team and a review of Council documents and additional relevant literature on the public realm, the team determined which criteria would be most pertinent in evaluating the quality of the public realm. After some deliberation the research team determined that the following criteria were most appropriate in an assessment of the quality of the realm:

- 1. accessibility;
- 2. litter and cleanliness;
- 3. planting and landscaping;
- 4. street clutter;
- 5. quality of street furniture;
- 6. security; and,
- 7. quality of pavement (Appendix B).

It was agreed that the public realm data (as well as a text overview, use class and vacancy data, photographs, and policy recommendations) would be recorded in the center summaries. These

center summaries would document the conditions in each local center individually and be included as an appendix to the overall study (Appendix C).

How can we design this study to yield comparable data in future studies?

Developing clear definitions and collection protocols will ensure that future efforts will collect consistent and comparable data. To aid the Council in this regard, the team developed a survey manual (Appendix D) that outlined our methodology in a step-by-step fashion and detailed how to fill out center summary forms.

# 3.3 Objective 3: Review of Existing Centers

Before officially beginning center audits, the team went through several 'dry runs' of the auditing process to ensure that each member knew the correct procedure and would produce consistent results. After this calibration process was completed, the team performed audits of Kingston's 25<sup>3</sup> local centers in teams of two.

These pairs audited three to five centers daily depending on the distance between centers and their combined size. The auditing process consisted of noting changes in unit ownership, performing shop owner and shopper surveys and filling out the center audit checklist. Typically, one team member would record changes in outlet occupancy, use class and unit vacancy on a printed Excel spreadsheet while the other performed shop owner and shopper surveys (Appendix E, F). A1 outlets required further classification as either convenience (Food and non-alcoholic beverages, tobacco, alcoholic beverages, newspapers and periodicals and non-durable household goods) or comparison (goods one would shop around for, or everything that is not convenience). In addition, both team members filled out center audit checklists (Appendix B) that dealt with the amount of parking, cycles, bus stops and the quality of the public realm. The aforementioned characteristics were characterized on a 1-5 scale with 1 being very poor, 3 being average and 5 being excellent. Comments describing the team member's reasoning accompanied each rating differing from a score of 3, thus ensuring that adequate thought went into the scoring. The team took several photographs in each center to illustrate varying qualitative and quantitative aspects of the public realm as well as the type and number of particular use classes. These photographs

<sup>&</sup>lt;sup>3</sup> In the 2009 Local Centres Study there were 28 centers. However, the policy recommendations in that study were used as part of the LDF evidence base to formulate Core Strategy policies. This resulted in the following: (insert table or text from Core Strategy Proposals Map Changes Document)

were later used in the center summaries to substantiate claims about quality of the public realm and help devise recommendations for policy.

The criteria used for judging the quality of public realm in local centers was compiled into a short document for team members to refer to while surveying. It aided in maintaining the uniformity of the data collected. As the team surveyed more centers, further information regarding methods used was folded into the document to create the Survey Manual (Appendix D). The purpose of the Survey Manuals is to provide future surveyors with data collection guidelines to ensure comparability between surveys. In addition to data collection guidelines, the manual contains information on approaches to data analysis.

The largest obstacle to overcome in the auditing process occurred when team members attempted to survey shoppers. An overwhelming majority of accosted shoppers declined to participate in the survey. The first trial consisted of twenty-five people asked to be interviewed with only five volunteering their time. The team attributed this unexpected issue to a combination of factors including poor weather conditions, timing (e.g. workers being on lunch breaks) and that the local centers, with their abundance of convenience shopping, primarily attracted shoppers with little time to spare.

To remedy the lack of shopper surveys conducted, the team explored three alternative options. Firstly, to contact local resident associations throughout the borough and use those as a means of obtaining a representative source of information from their members or the organizations as a whole. Secondly, to circulate a targeted internal email to Council staff in the Planning and Highways and Transportation Teams that lives within the borough. Thirdly, to perform shopper surveys at targeted locations in the borough. Discussions on the proper location concluded that visiting Kingston's seven local libraries during the school holidays (half term holidays) would provide the team with a captive audience and produce the best results in a limited timeframe. The team decided to employ both methods two and three as Council employees could complete the survey at their convenience and day time library visitors were less likely to be in a hurry as they had already set aside time in their schedule to visit the library. Method one was rejected on the grounds of having limited time to contact resident associations and organize meetings that coincided with their existing schedules.

Surveys targeting shopkeepers were comparatively more successful. Some difficulties were encountered; sometimes shop keepers were too new to the area and thus could provide limited background knowledge about the success and function of the local center or they were long term tenants that tended to raise issues that were unrelated to the survey or the planning function of the Council. Overall, the insights gained through these surveys greatly improved the team's ability to judge each center's health.

**Table 2: Key Performance Indicators and Evaluation Methods** 

Key Performance Indicator	Evaluation Method
Unit occupancy/use class	Unit occupancy can be determined during the audit using the use classes from Appendix A – Use Classes. Generally the use class will be apparent by observing the outlet. If observation fails the council archive should also have information on the use class of each unit.
Unit vacancy levels	Vacancy levels will be polled as part of the center audits by simply noting the number of vacant units in each center. If units are determined to be going out of business the unit will not be counted as vacant. Not yet open units will also be counted as vacant.
The quality of the public realm	The quality of the public realm is determined through evaluation of a center's accessibility, litter/cleanliness, plants/soft landscaping, street clutter, quality of street furniture, security, and quality of pavement.
Parking availability	The quantity and type of parking will be included in the center audit checklist. Type can be broken down into: Private parking associated with stores Residential Metered Residential only Unrestricted Pay-and-display Other (with comments)
Floor space	The council archives will provide floor space numbers. In the event that the archives are not sufficient GIS surveying data can be used to produce a reasonable estimate of floor space.
Number of outlets	Number of outlets is the total number of units within the center and can be derived from the unit occupancy/vacancy measurements.
Transportation Methods	Indication of public transit, such as bus stops and train stations, in the area as well as indication of facilitation of other modes of transport (e.g. cycles)

## 3.4 Objective 4: Identifying Catchment Areas and Areas of Deficiency

Whilst assessing the health of the 25 local centers was the ultimate purpose of this project, another key aspect was investigating whether residents' needs for local shops and services were being met. In planning terms, this could be assessed by identifying retail deficiency areas<sup>4</sup>. According to this study, the definition of a retail deficiency area is a location that is over 400m away from a convenience shop. However, in order to identify retail deficiency areas in the borough, the team needed to measure the catchment areas<sup>5</sup> of each center and identify any catchment area overlap<sup>6</sup>. As such, those areas not covered by a catchment area were identified as areas of retail deficiency.

To address Objective 4 of the study and identify which deficiency areas had populations large enough to support an additional local center, however, further analysis was required. For instance, the team had to discount large areas of uninhabited open space (such as the Green Belt or Metropolitan Open Land) and other non-residential areas that were in deficiency areas as well as retail located outside of center bounds. To do this, the team employed ISIS/ArcGIS software and basic graphical overlay methods to analyze the land use designations within those deficient areas. Then the team ranked the deficient areas by population (Deficiency Area 1 having the largest population) and compared the data to the catchment areas of existing local centers. This exercise made it possible to explore potential correlations between the overall performance of a center, its catchment area population and the general socio-demographic characteristics. For example, variables such as age, ethnicity, and affluence would have a bearing on the type of local shops and services that would meet residents' needs and the types of policy recommendations the study could make. This type of analysis was an update of the analysis preformed in the 2009 Local Center Study.

#### 3.5 Objective 5: Assessing Center Health and Recommendations

By using the data obtained from the team's center audits, making comparisons with data from the 2009 study and ISIS/GIS analysis, the team formulated local policy recommendations. The purpose of these recommendations was to both promote the vitality and viability of the existing centers and guide the creation of new local centers in retail deficient areas.

<sup>&</sup>lt;sup>4</sup> Deficient areas are defined as areas beyond the catchment area of a center

<sup>&</sup>lt;sup>5</sup> Catchment area is defined as the region within a 400m radius of the midpoint of a center.

<sup>&</sup>lt;sup>6</sup> Catchment overlap is defined as a region within a catchment area of two or more centers

Between the collected data and previous data from the 2009 study, the team was able to conduct quantitative analysis by comparing vacancy rates, property use class, and the overall number of outlets. The data could be objectively compared and contrasted, whereas quality of the public realm, requiring subjective, qualitative analysis, was not recorded previously. As stated, previous studies did not consider the quality of the public realm nor accessibility in the form of parking, bus stops and cycle racks.

While the 2009 study used a small selection of the Key Performance Indicators suggested by the planning literature, the 2012 study explored many more KPIs and allowed more qualitative analysis of the local centers in particular. This qualitative data provided a more holistic view of why some centers performed well and why others were less successful. As stated in the literature review, however, a prescriptive, standard method of discerning center health does not exist. For that reason, the methods employed in this study may not be directly comparable with other local planning authorities. Nevertheless, through a mixture of the commonalities in the planning policy and guidance, recommendations from experts, methods used in the 2009 study, and the team's own understanding at the end of the process, the team was able to develop a clear and robust methodology.

## 4 Findings

The findings are a result of both health check of each individual center and GIS analysis of catchment areas and deficient regions. First, the team provides a treatment of the spatial relationships of centers and their catchment areas as well as an investigation of various demographics and their correlations to the acquired data. This treatment includes an evaluation of deficiency regions as well. Next the team analyzed trends in the center data over the previous center studies and data since 1989. The quantitative analysis delves into number of outlets, vacancy, main anchor stores, floor space, use-class distribution, and the rate of change between use classes. The qualitative measurements include quality of the public realm and visitor and business owner opinions in relation to local center shopping. The findings are concluded with a table summarizing the centers with targeted recommendations for each individual center.

#### 4.1 Spatial Relationships

Spatial analysis of the data provides many insights into how centers perform in relation to their surroundings. The team investigated the number of households within a 400m radius of each center and the number of households outside of any 400m radiuses from convenience stores. Additionally analysis was performed to investigate the relationship between unemployment, deprivation, and non-white ethnic groups.

#### **4.1.1 Catchment Area Characteristics**

Figure 5 shows the center catchment areas highlighted in green around each of the 25 local centers. Only six centers do not have catchment region overlap. To account for this overlap the team assigned households in the overlap regions to the physically closest center 'as the crow flies'. From the GIS analysis, the team found data comparison between the 2009 and current study to be impossible as the addition and removal of centers drastically changed the total number of households in a centers catchment area. This phenomenon is easily observed in the data (Table 3 and Table 4) for Coombe Road where supposedly there was a -110% change in households when in reality Cambridge Road (E) was removed and Cambridge Road was established as a center which substantially cut into the catchment area of Coombe Road due to their proximity to each other. One meaningful conclusion that can be drawn from the given data is the overall minor change in population within the catchment areas of the local centers.

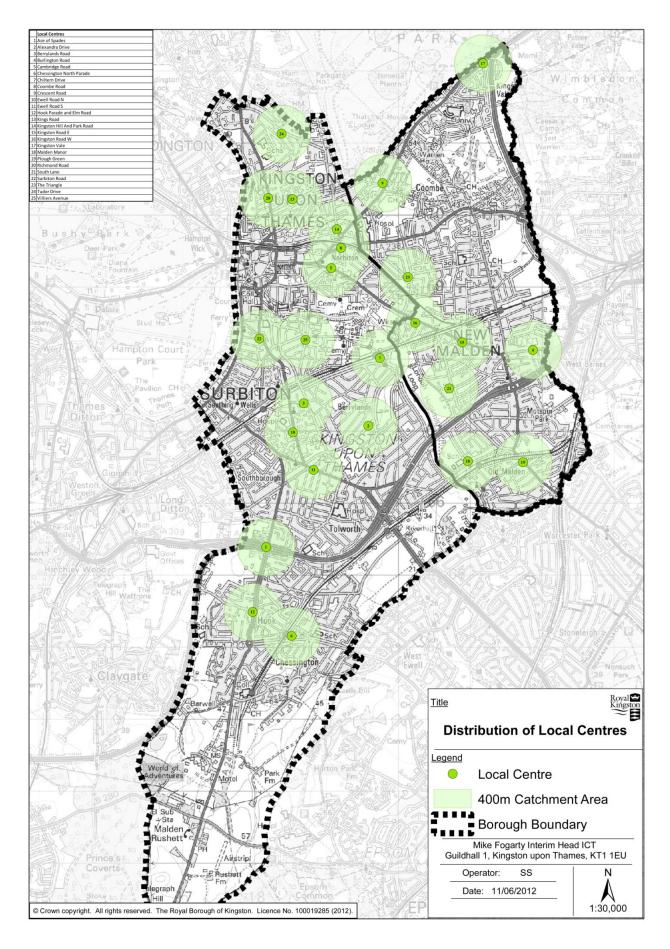


Figure 5: Catchment Regions of each of the 25 Local Centers

**Table 3: Count of Properties by Neighborhood** 

	Count of
Neighborhood	Properties
Kingston	10919
Maldens and	
Coombe	8921
Out of Borough	6
South of the	
Borough	3435
Surbiton	7468
Grand Total	30749

**Table 4: Count of Properties Within Center Catchment Area 2007-2012** 

	Catchment Area	Catchment Area		Percent
Center Name	Households 2007	Households 2012	Difference	Change
Ace of Spades	1082	1025	-57	-6%
Alexandra Drive	596	916	320	35%
Berrylands Road	1805	1951	146	7%
Burlington Road	787	1157	370	32%
Cambridge Road	N/A	2085	N/A	N/A
Chessington North Parade	910	1121	211	19%
Chiltern Drive	471	561	90	16%
Coombe Road	1504	717	-787	-110%
Crescent Road	978	1159	181	16%
Ewell Road (N)	2081	1605	-476	-30%
Ewell Road (S)	1304	1244	-60	-5%
Hook Parade/Elm Road	1100	1291	191	15%
Kings Road	1763	1622	-141	-9%
Kingston Hill/Park Road	1900	1602	-298	-19%
Kingston Road (E)	1448	1649	201	12%
Kingston Road (W)	894	1046	152	15%
Kingston Vale	337	455	118	26%
Malden Manor	803	1005	202	20%

Plough Green	780	865	85	10%
Richmond Road	1259	1247	-12	-1%
South Lane	525	681	156	23%
Surbiton Road	1400	1991	591	30%
The Triangle	838	1210	372	31%
Tudor Drive	655	1020	365	36%
Villiers Avenue	1178	1524	346	23%
Cambridge Road (E)	1710	N/A	N/A	N/A
Kingston Hill (N)	1058	N/A	N/A	N/A
Red Lion Road	1160	N/A	N/A	N/A
Robin Hood Way	426	N/A	N/A	N/A
Total	30752	30749	-3	0%

#### 4.1.2 Areas of Deficiency in Convenience Goods Provision

Figure 6 shows the deficiency areas ranked in ascending order. The deficient areas neighboring the boarder may be deceiving, as retail located outside of Kingston is not accounted for when drawing deficient regions. The largest of the deficiency regions is region 8 with 3,145 'unserved' households. This number is misleading, as a majority of the houses could be located in a small subsection of the region. Therefore, it is much more informative to have smaller deficiency regions. Ideally, each deficiency region should be roughly the size of a center catchment area. In addition, railroad tracks or highways split the regions like 8. These act as barriers that are difficult to cross thus reducing the usefulness of local centers placed near these regions.

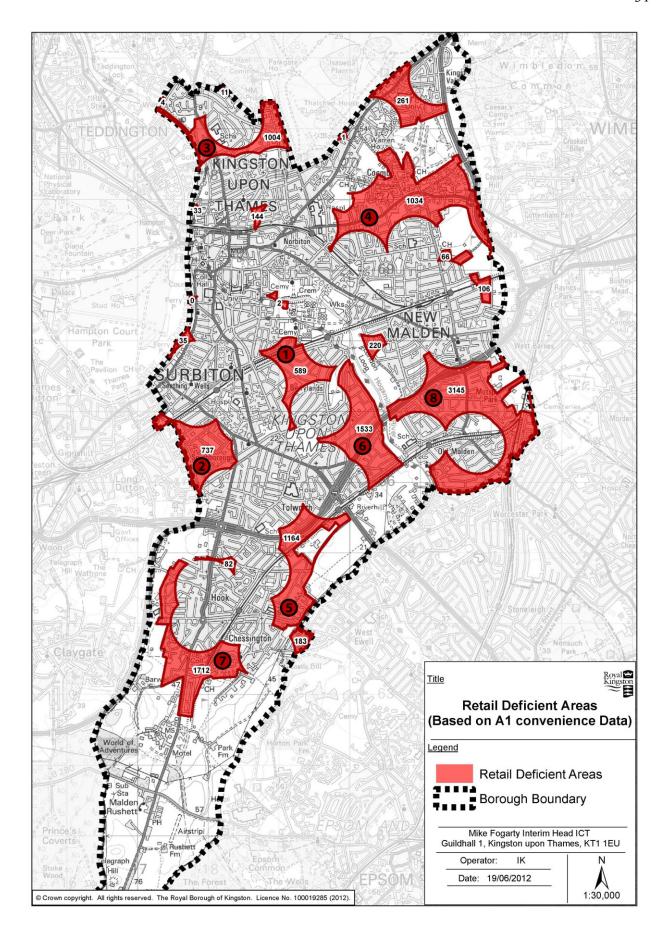


Figure 6: Retail Deficient Areas

#### 4.1.3 Center Health and Demographics

The team's analysis of the center health as it related to demographics, mainly unemployment, non-white ethnic populations, and deprivation found no link between the sets of data. Maps of centers and demographics data can be found in Figure 7, Figure 8, and Figure 9.

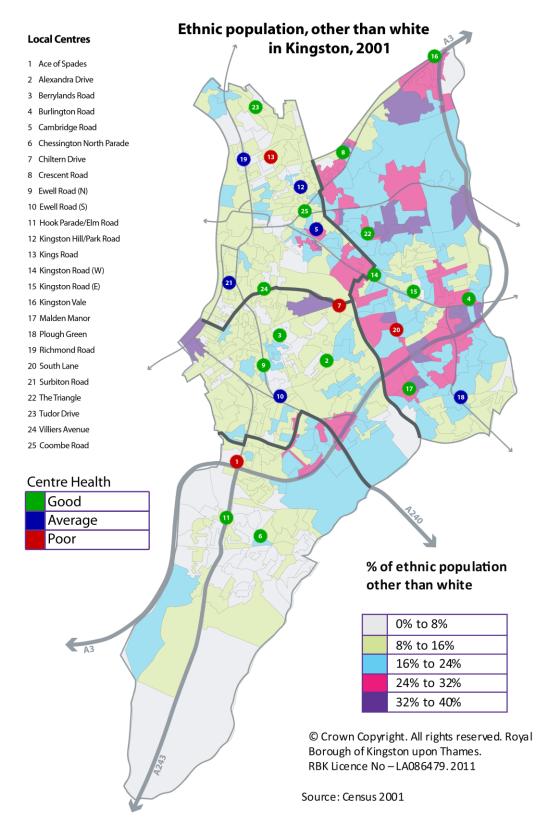


Figure 7: Non-white Ethnicities and Center Health

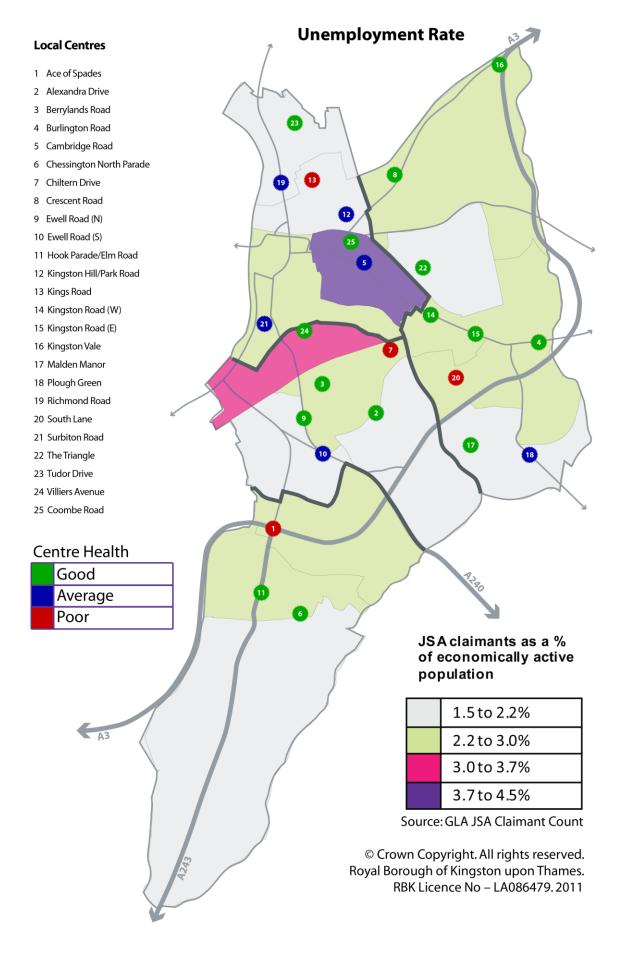


Figure 8: Unemployment Rate and Center Health

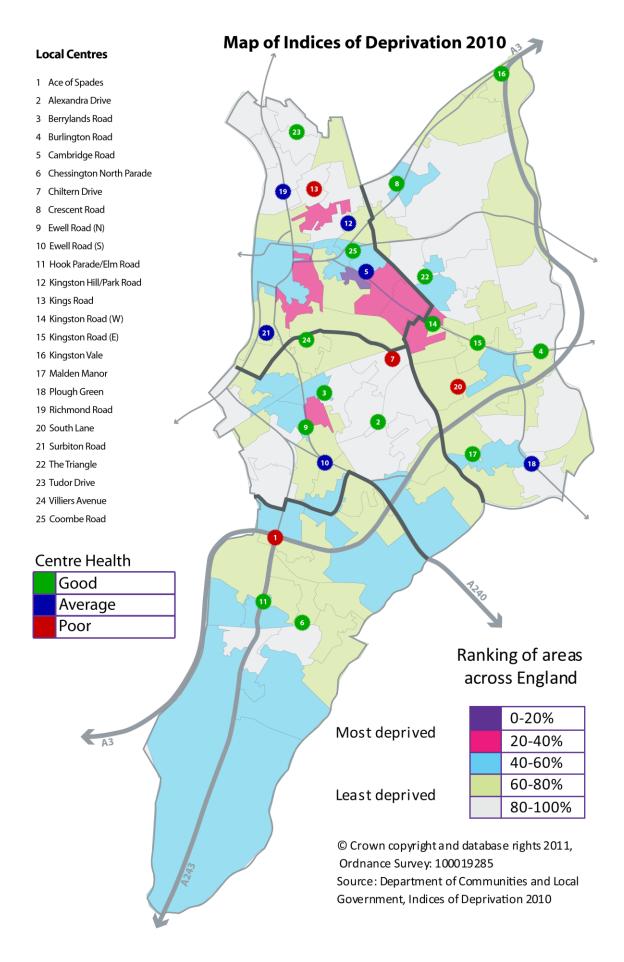


Figure 9: Ranking of Deprivation Overlaid with Center Health

#### 4.2 Health Check Assessment

Through the analysis of both quantitative and qualitative data the team assessed the health of the 25 local centers. This data included outlet use class, floor space, vacancy rates, shopper and shop owner surveys, and data resulting from prior local center studies. The quantitative data was examined from a center, neighborhood, and borough level to provide targeted recommendations as well as an overview of the health for the neighborhoods and entire borough. Qualitative data was used to supplement and reinforce our findings and recommendations.

#### 4.2.1 Outlet Numbers

Figure 10 shows that the numbers of outlets in most of the centers have changed little since 2002. The number of outlets in 15 of the centers during 2012 is the same as they were in 2002. Cambridge Road stands out as a newly created center with 16 outlets, while the Kingston Hill South/Park Road center increased from 20 to 35 outlets due to boundary changes in the designation of the center. The remaining centers fluctuations can be explained as a result of multiple physical property addresses being absorbed or removed from under one shop front. An example of this would be a once successful restaurant shrinking down from occupying two addresses to one as business slows. None of the centers have seen an overall decline in the number of outlets since 2002.

As shown by Figure 11 the overall number of centers does not dramatically change with the variation below 15 outlets due to the addition and removal (not shown in Figure 10) of local centers in between 2007 and 2012. The changes, rather, are in the composition of the outlets within the center and not the number itself.

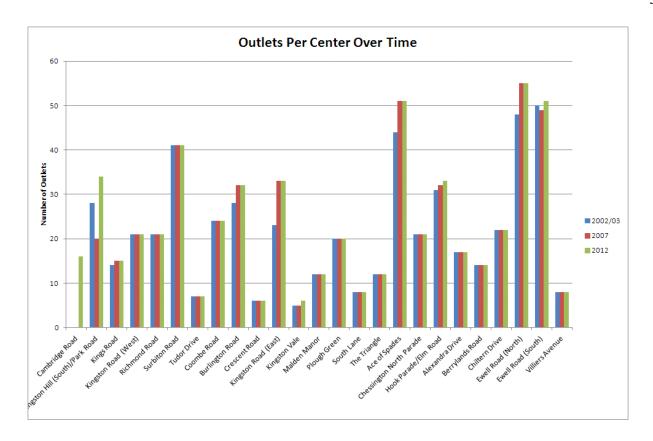


Figure 10: Outlets per Center Over Time

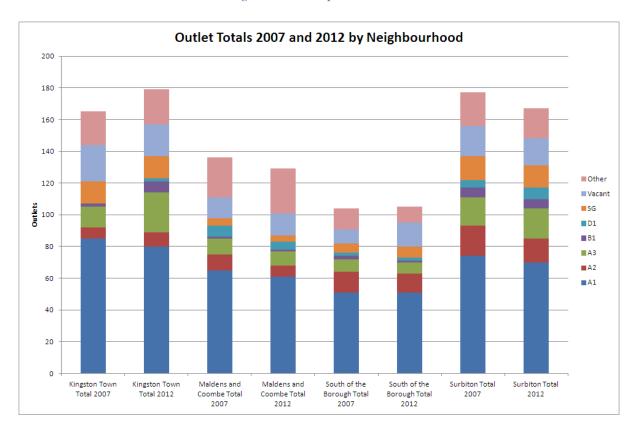


Figure 11: Outlet Usage Broken Down By Use Class and Neighborhood in 2007 and  $2012^\dagger$ 

After slowly increasing on a year-to-year basis the total number of outlets has not changed since the last set of data gathered. This is true even with the adjusted center boundaries and center reclassifications between 2007 and 2012. In accordance with the larger number of centers contained within Kingston Town and Surbiton there are also more outlets. The inverse of this is also true; the South of the Borough has the least centers and also the least number of shops.

Table 5: Outlet Numbers by Year<sup>†</sup>

Neighborhood	1989	1996	2003	2007	2012
<b>Kingston Town</b>	147	161	172	165	180
Maldens & Coombe	124	124	122	136	129
Surbiton	161	163	165	177	167
South of the Borough	100	100	96	104	105
BOROUGH TOTAL	532	548	555	582	581

#### 4.2.2 Vacancy

Vacancy rates at the entire Kingston level (Figure 12) only show the vacancy rates have increased about 7 percentage points. The South of the Borough had increased vacancies while the other three neighborhood's vacancy rates decreased. The most useful way to analyze the vacancy data is at the center level (see example Figure 13). Large fluctuations in centers often indicate that the center in question is very small where one vacancy could account for up to 20 percentage points of change. Often high vacancy rates can suggest a center is doing extremely poorly as illustrated by Chiltern Drive (Figure 13) and Ace of Spades (Figure 14). Each center needs to be evaluated on a case-by-case basis in terms of acceptable vacancy levels as the percentages are so tied to the center size

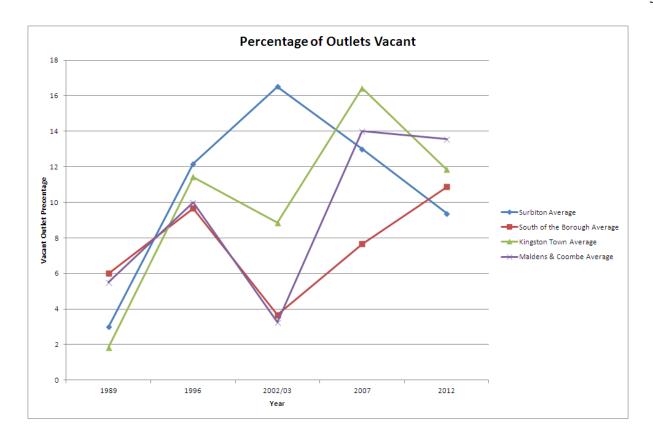


Figure 12: Percentage of Outlets Vacant by Neighborhood

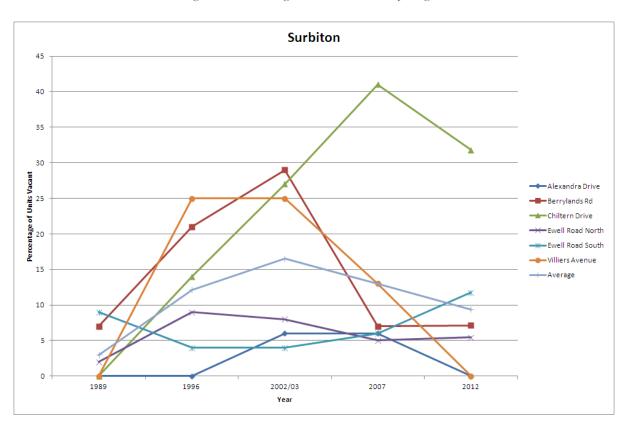


Figure 13: Percentage of Outlets Vacant in Surbiton Neighborhood

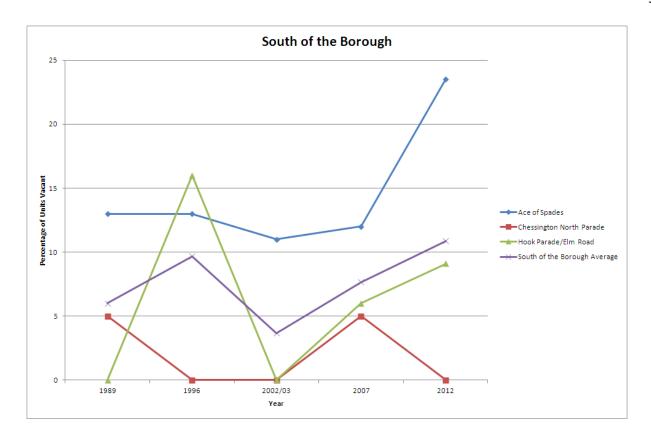


Figure 14: Percentage of Outlets Vacant in the South of the Borough Neighborhood

#### 4.2.3 Use Classes

Since 1989 there have been a decreasing number of A1 outlets in all of the Kingston neighborhoods. Since the 2009 Local Center Study both Maldens and Coombe and the South of the Borough have not changed in A1 outlet numbers whereas Surbiton lost one A1 outlet and Kingston Town gained one. This suggests that overall the change in A1 outlets has stagnated as compared to the past decline. The overall percentage of A1 follows this trend of stagnation even with the rebounding, removal, and addition of centers since the 2009 study. The largest shifts in usage were A2/A3 (-5%) and 'other' (+7%) between 2007 and 2012 (Table 6) leaving just less than one in five units being A2/A3 and just over one in four units being 'other'.

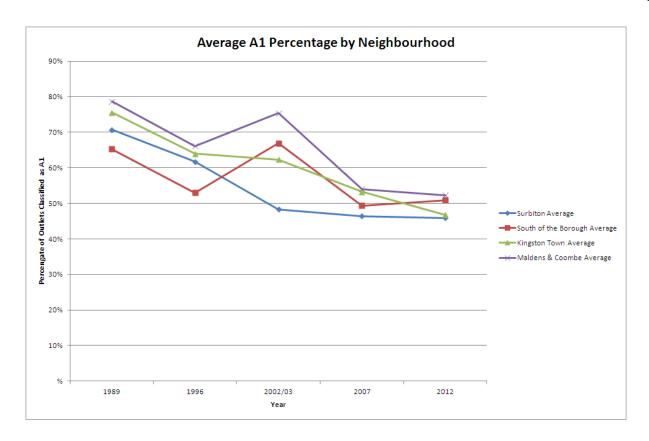


Figure 15: Average Percentage of A1 Outlets by Neighborhood

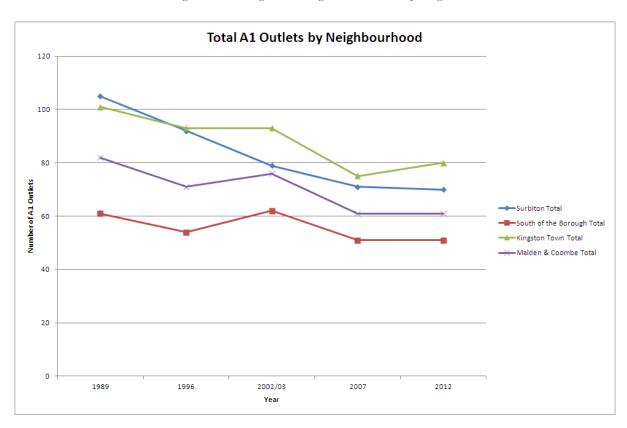


Figure 16: Total A1 Outlets by Neighborhood

Figure 17 shows a more concise makeup of the usages of the outlets on a per neighborhood basis. A decent portion of shops in many of the neighborhoods are made up of 'other' usage which include C usages which are buildings used as housing and a handful of other A, B, and D usages (See Appendix A – Use Classes). As evident in other figures A1 makes up the bulk of the outlets. Following A1, the largest use depends on the center with Kingston Town having a large number of A3 units, Maldens and Coombe's having 'other', South of the Borough having vacancies, and Surbiton with both 'other' and A3 having the next largest percentage of outlets. Exact figures for the usages can be found in Appendix G – Use Class Count by Center.

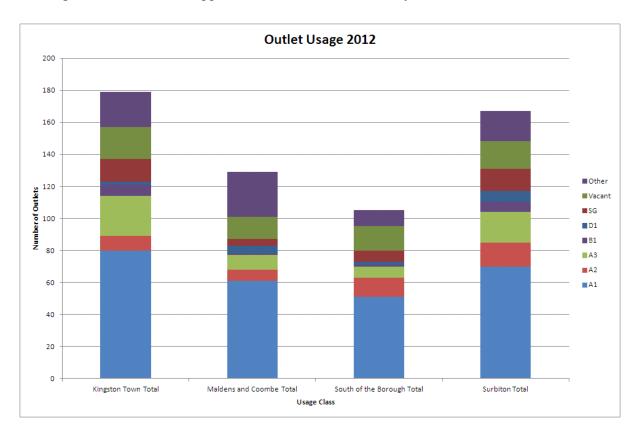


Figure 17: Outlet Usage in 2012

**Table 6: Use Changes**<sup>†</sup>

		1996								
	A	.1	A A	.3	•	<b>V</b>	Ot	her		tal 1ber
Neighborhood	No	%	No	%	No	%	No	%	No	%
Kingston Town	103	59	34	19	20	11	18	10	175	22
Maldens and Coombe	77	62	31	25	15	12	1	1	124	22
South of the Borough	54	54	19	19	11	11	16	16	100	18
Surbiton	98	60	33	20	16	10	16	10	163	29
Borough Totals	332	59	117	21	62	11	51	9	562	
					2002	2/03				
	A	.1	A	2/		2/03	Ot	her		tal 1ber
Neighborhood	No No	\1 %					Oti	her %		
Neighborhood  Kingston  Town			A	.3	1	V			Nun	nber
Kingston	No	0/0	No	%	No	√ %	No	%	Nun No	nber %
Kingston Town Maldens and	<b>No</b>	59	<b>No No</b> 39	23	No 15	<b>%</b> 9	<b>No</b> 16	9	Nun No 172	% 2
Kingston Town Maldens and Coombe South of the	No 102	<b>%</b> 59 66	39 26	23	No 15	% 9 5	No 16 10	9	Nun No 172	2 22

		2007								
	A	1	A2	A2/A3		V		ier	Total Number	
Neighborhood	No	%	No	%	No	%	No	%	No	%
Kingston Town	85	52	35	21	23	14	22	13	165	28
Maldens and Coombe	65	48	29	21	13	10	29	21	136	23
South of the Borough	51	49	24	23	9	9	20	19	104	18
Surbiton	74	42	45	25	19	11	39	22	177	30
Borough Totals	275	47	133	23	64	11	110	19	582	

		2012								
	A	1	A2	A2/A3		V		ier	Total Number	
Neighborhood	No	%	No	%	No	%	No	%	No	%
Kingston Town	80	45	34	19	20	11	45	25	179	30
Maldens and Coombe	61	47	16	12	14	11	38	29	129	22
South of the Borough	51	49	19	18	15	14	20	19	105	18
Surbiton	70	49	34	20	17	10	46	28	167	29
Borough Totals	262	45	103	18	66	11	149	26	580	

# 4.2.4 Rate of Change

When the totals for the neighborhood and boroughs are viewed, it is apparent that there has been little overall change since 2007. It is important to note not only the stability in the borough total, but also the individual neighborhoods. This excludes the possibility that on average the

borough is doing well but on a per neighborhood basis some are performing exemplary whereas some are in rapid decline. On a per center basis none of the centers have lost or gained a significant number of A1 outlets further excluding either exceptional or rapidly declining centers which could be masked by neighborhood averages (See Appendix G – Use Class Count by Center). The largest changes were in Kingston Hill South/Park Road, which can be attributed to the re-bounding of the center adding 6 A1 outlets, and Surbiton Road that had five A1 outlets reclassified as A3. Nine centers saw small increases in total A1 outlet numbers while 10 saw small negative changes and nine saw no change causing overall changes to be minor. In terms of A1 convenience neighborhoods saw a slight increase as depicted in Figure 18. This change could be attributed to a more inclusive interpretation by the team or could be due to the possibility of many comparison good retailers moving into district and metropolitan centers as many comparison goods such as electronics are mainly sold through large retailers. Data from individual centers regarding comparison goods can be seen in Appendix G – Use Class Count by Center.

**Table 7: Rate of Change in Retail (A1) Provision**<sup>7</sup>

Neighborhood	No of A1 in	No of A1 in	No of A1 in '02/'03	No of A1 in '07	No of A1 in	Change '89-'96	Change '02/3-'96	Change '07- '02/3	Change '12-'07
Surbiton	105	92	79	71	70	-13	-13	-8	-1
South of the Borough	61	54	62	51	51	-7	8	-11	0
<b>Kingston Town</b>	101	93	93	75	80	-8	0	-18	5
Maldens & Coombe	82	71	76	61	61	-11	5	-15	0
<b>Borough Total</b>	349	310	310	258	262	-39	0	-52	4

<sup>7</sup> This table contains different values for 1989-2007 as compared to the 2009 Local Center Study because the outlets in centers removed are not counted.

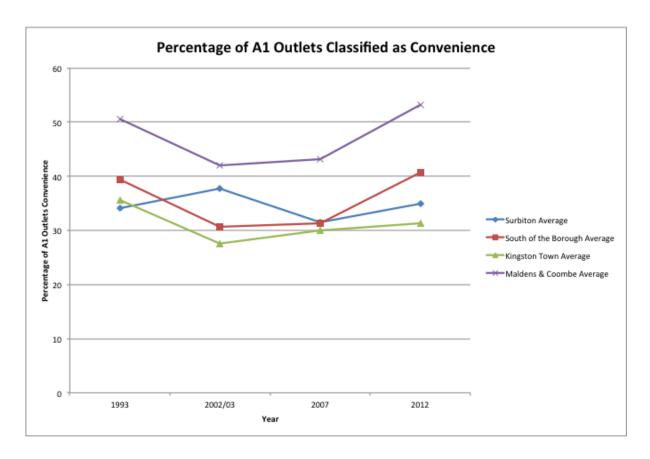


Figure 18: Percentage of A1 Outlets Classified as Convenience

#### 4.2.5 Main Anchor Stores

Grocers with floor spaces above 150m<sup>2</sup> usually act as anchor tenants. As the South of the Borough lacks district and metropolitan centers, these roles of anchor tenants are emphasized. They can be the only grocery options for a much larger distance than in other neighborhoods in the borough. In fact, all of the centers in South of the Borough have grocers with at least 150m<sup>2</sup>. It appears that in other neighborhoods with metropolitan and district centers, anchor food stores are not as important.

**Table 8: Main Anchor Food stores** 

Center	Neighborhood	Floor space (m <sup>2</sup> gross)	Store Name
	South of the		
Ace of Spades	Borough	178.06	SK Superstore
	South of the		
Ace of Spades	Borough	280.68	Londis
	South of the		
Chessington North	Borough	534.38	Sainsbury's
Ewell Road (North)	Surbiton	337.01	Londis
	South of the		
Hook Parade	Borough	686.9	Budgens
	South of the		
Hook Parade	Borough	406.74	Tesco Express
Kings Road	Kingston Town	163.17	Co-op Local
	Maldens &		
Malden Manor	Coombe	255.6	Londis
	Maldens &		The Co-operative
Plough Green	Coombe	496.7	Food
	Maldens &		
The Triangle	Coombe	151.7	Tesco Express

#### 4.2.6 Floor Space

Total floor space per center ranges from 7,690m<sup>2</sup> to 12,560m<sup>2</sup>. Compared to values obtained in 2007 (Appendix H – 2007 Floor space) Kingston Town was the only center with additional floor space while the other three centers lost total floor space. Possible causes of this may be outlets transitioning to uses not counted in gross floor space, or more likely, as a result of the removal of center status from four centers as a result of recommendations given in 2009. It is important to note the number of centers is not indicative of the total floor space of a neighborhood. In the case of Maldens and Coombe compared to the South of the Borough the former has eight centers compared with three in the latter, yet the South of the Borough has more floor space, 10,546m<sup>2</sup> compared to 7,690m<sup>2</sup>. On an individual center level both Ewell Road centers remain the largest centers as compared with South Lane and Kingston Vale having the least overall floor space.

Table 9: Floor Space Gross (m<sup>2</sup>) - 2012<sup>8</sup>

Neighborhood	Total	A1	A1 Conv	A1 Comp	A2	A3	B1	D1	SG	Vacant
Kingston Town	11,778	7,389	2,406	4,983	404	1,378	255	107	1,287	959
		63%	20%	42%	3%	12%	2%	1%	11%	8%
<b>Maldens and Coombe</b>	7,690	4,868	2,791	2,077	376	726	66	297	265	1,092
		63%	36%	27%	5%	9%	1%	4%	3%	14%
South of the Borough	10,546	6,322	3,111	3,211	971	840	65	181	456	1,712
		60%	29%	30%	9%	8%	1%	2%	4%	16%
Surbiton	12,560	5,437	1,414	4,023	1,053	1,546	563	508	1,557	1,897
		43%	11%	32%	8%	12%	4%	4%	12%	15%
Borough Total	42,574	24,016	9,723	14,293	2,804	4,490	948	1,092	3,565	5,659
		56%	23%	34%	7%	11%	2%	3%	8%	13%

<sup>&</sup>lt;sup>8</sup> Additional use classes such as C1, A4, and A5 are not accounted for in total floor space as the 2009 Local Centre Study did not account for these as a result of PPS6 Paragraph 1.8 main town center uses.

Table 10: Centers with Most Floor Space in a Specific Use Class - 2012

<b>Use Class</b>	Center Name	Floor space (m2)
A1	Hook Parade/Elm Road	2,860.22m
A1		
Convenience	Hook Parade/Elm Road	1,621.21m
A1	Kingston Hill (South)/Park	
Comparison	Road	1,747.46m
A2	Chessington North Parade	457.44m
A3	Ewell Road (North)	1,044.18m
B1	Ewell Road (North)	232.00m
D1	Ewell Road (South)	287.32m
SG	Surbiton Road	1,029.67m
Vacant	Ace of Spades	1,374.94m

When compared to the centers having the most floor space within a specific use class in the 2009 report it is apparent major shifts have occurred. Ace of Spades has more than two times the vacant floor space in 2012 than Chiltern Drive had in 2009.

#### 4.2.7 Quality of the Public Realm

After comparing quality of the public realm scores (Table 11) to various centers it became clear that there is little to no correlation between the two. One of the highest scoring centers, Chiltern Drive, was simultaneously one of the worst performing centers. There are centers with high quality of the public realm scores that are doing well some that are doing poorly. Likewise, the same was true of centers with low public realm scores. Interestingly, a correlation arose between the presence of busy roads and low quality of the public realm scores.

**Table 11: Quality of the Public Realm** 

	/	(S) (S)	ades Regards	a dive	ds Road	on Road	Lesing C	on the contract of	on Paral	hond b	Cold Co	d (A)	00 <sup>4</sup> 00 <sup>8</sup>	adeletica de la constantia de la constan	A September 1	HILL ROS	d d	Road &	Road of	Age A	Adard Could to	Jeen Jeen of	d Road	ne of the contract of the cont	Road Trial	udor di	ve hveri
Accessibility	1.8	3.5	2	3	3.5		4	3	4.5	3	3.8	2.5	3	2	3	3	2.5	3.5	3	4	2	3	1.8	4	3	3.5	
Litter/Cleanliness	3	4	3	3	3.5	4	4	3	3	2	3	3	3	2	4	3	2.5	3.5	3	5	3	4	3	3	4	3.5	
Planting/Soft Landscaping	3	5	3	3	3	2.5	3.5	3.5	4	3	3	3.8	3.1	4.5	3	4	3	3	3	3	3	5	2.5	4.5	4	3.3	
Street Clutter	1.3	3	2	2	4	3	4	3	4	3	3	3	2.8	3	3	2	2	4	2	4	2.5	3	2	3	2	4	
Quality of Street Furniture	3	3	3	3	3	3	3.5	3.3	3	3	3	2.8	3	2.5	3.5	3	3	3.8	3	3	3	3.5	3	3	3	3	
Security	3	3	3	3	3	4	3.5	3	3	3	3	4.5	3	3	3	3	3	3	3.5	3	3	3.5	3	3	3	3	
Quality of Pavement	2.5	2.5	4	2	3	4.5	5	2	3	2.5	2	3	2	3	4	3	2.5	4	3	5	2.5	3	2.5	4	4	4	

#### 4.2.8 Qualitative Surveys

In the field, the team conducted forty-four surveys of shoppers within the borough of Kingston. It is important to note that there was a sampling bias due to the methods. Originally shoppers would be surveyed at each center, but due to a poor sample size an alternate approach of surveying customers of the seven local libraries of Kingston. The libraries include: Hook and Chessington, Tolworth, New Malden, Old Malden, Kingston, Surbiton, and Tudor Drive.

Out of the surveys conducted, the primary occupants were from all four of the Kingston boroughs: Kingston Town, Maldens and Coombe, Surbiton, and South of the Borough. Ten out of the forty-four people listed Kingston Town as their neighborhood, and stated Richmond Road, Surbiton Road, and Kings Road were their primary area of local shopping. Four of the people shopped at Richmond, four at Surbiton, and two and Kings Road. For the shoppers at Richmond, it is clear to see that primarily people in the surrounding mile visit it on a regular basis. A majority of the shoppers have used this center for the last one to five years and will most likely continue to do so. The shopping was primarily top-up and weekly.

Two shoppers were from Maldens and Coombe and listed Kingston Rd. East and Malden Manor as their primary centers respectively. Both have been shopping at the centers for more than five years and visit the center for convenience purposes due to the proximity and visit roughly once a week. Three shoppers were from South of the borough and all listed hook Parade/Elm Road as their primary local center. Two of the individuals have been to this center for more than years and one as of this year. All visit the center on a weekly basis and are top up shoppers within walking distance of the center. One visitor out of all the surveys was from Surbiton and listed Villiers Avenue as the center they visit. The individual only purchases specific items thus not going to the center very frequently.

The remaining twenty-five surveys did provide any substantial data because the individual did not know what neighborhood they resided nor were willing to divulge that information. This proves to be a deterrent however the majority noted that they shop at the Kingston Town Center for all their shopping needs.

**Table 12: Health Check Conclusions** 

#### **Kingston Town**

## Coombe Road

The Coombe Road center lies along an averagely busy road. Since 2007, the number of vacant storefronts has not changed from 5. The road is navigable by a few pedestrian crossings. Although it lacks a larger A1 convenience shop (e.g. Londis, Tesco Express, etc.), the center was healthy and had visitors passing through during the visit. Portions of the center have parking along the front; however a bus stop takes most of the prime parking real estate choking the center of parking. That said, alternative transportation methods are available with the aforementioned bus stop providing public transit access and cycle racks available to cyclists. The sidewalks at places were laid out such that the pedestrian would need to weave back and forth to navigate passing through the center. Shopkeepers suggested that the area was quite stable and doing well with a new restaurants having opened in the center.

**2009 Outlook:** The catchment overlap may reduce the viability of a center of this size in the medium to long term, and could justify consolidation and redevelopment opportunities. However, the provision of a suitably sized convenience store in the center would help enhance the center's viability.

**2012 Outlook:** The center remains healthy and has approximately 50% convenience outlets and has since added another core shop (butcher). Analyzed trends do not suggest the center is losing viability. However the 2009 recommendation of the provision of a suitably sized convince store still holds.

## Kings Road

The Kings Road center is located on a quiet road and is divided into three small frontages having between four and five shops per section of frontage. Parking is only available on the side of the streets where the frontages are located. The parking is further reduced as the center shares roughly half of the units facing Kings Road with residential buildings. A grocer is present; however, all but two of the other outlets present at this center sell non-essential goods that are not usable on a daily basis for nearby residents leaving the grocer as the only anchoring outlet. The low flux of traffic thought the area and reduced parking as well as the lack of other means of transportation severely limit the number of visitors to the center.

**2009 Outlook:** Will continue to trade satisfactorily provided the Coop store remains.

**2012 Outlook:** Due to the spread of the center over three streets many of the outlets do not gain any benefit from the Coop store. As a result the outlets further away from the coop are preforming poorly. Some of the strategies in Parades to be (2012) should be employed to aid in revitalizing the center.

# Kingston Hill South/ Park Rd

This center is effectively two nearby centers, the one on park road and the other near the roundabout. They should remain classified as one center but it is important to note the differences in quality of the public realm. Near the roundabout there was more trash, worse sidewalk but substantially more trees and other foliage. Farther down on Park Street there was a bit of foliage but the pavement was in much better condition. Despite the high usage of the roundabout going from one section of the center to another is not problematic. Businesses complain that the parking costs too much money and that since the recession they have seen a reduction in customers. Business owners also complained at the cost of rent in the area. This center's performance is average when considering the recession. Reducing the cost of parking might encourage additional trading.

**2009 Outlook:** Expand this center to include the areas immediately east and west of the Kingston Hill roundabout.

**2012 Outlook:** Since the 2009 study the recommendation advising the rebounding the center has been acted upon. Due to the high traffic through the area there is a large volume of passing trade, however most of this is untapped due to the lack of parking. Business owners also worried about high rent being a result of wealthy tenants. While rent control is outside of council control it is interesting that smaller business owners feel as though big name businesses are effectively the cause of higher rents in parts of the center.

## Kingston Road West

Since the last study, not much has changed in this very linear center. The center still has many specialty stores that have a larger than average catchment area and there is still no anchor tenant. The best and worst part of this center is the busy road that both gives the area lots of exposure and makes it noisy and somewhat unpleasant. The distinct lack of parking is a problem as shop owners attempt to attract people that are outside of walking distance. It is not in drastic need of more parking however; it may help the center continue to thrive.

**2009 Outlook:** This center is likely to continue to trade reasonably well as long as parking arrangements remain, as many of the stores are of specialist types, attracting trade from beyond the local catchment area.

**2012 Outlook:** Little has changed since the last recommendation. This center is in need of additional parking and an anchor tenant. Furthermore, the street clutter present would benefit from being reorganized to avoid pedestrian congestion.

## Richmond Road

This is a linear center on a busy road. Whilst it has some day-to-day convenience provision, its focus is much more on A3 and A5 outlets. It also has more specialist stores such as a picture-framing store than is the case in most other local centers. The specialist stores and the food and drink outlets no doubt trade there because of opportunity to attract passing trade, as well as the local walk-in custom. The center does not have dedicated parking.

**2009 Outlook:** Continue to trade successfully.

**2012 Outlook:** This center shows signs of failure with many vacancies and shop closures. Lack of main street parking may also be contributing to the lack of customers. Additionally the Council should work to promote a diversity of uses within the center.

## Surbiton Road

Surbiton Road center is located on a busy portion of Surbiton road. Due to the busyness of the road there is a high volume of passing trade, however, this causes the center to be difficult to navigate due to the limited marked road crossings. The sidewalk is blocked and narrowed in places by parked cars, signs the businesses have placed, and extended patios built by restaurants. Interviews with outlet owners and shoppers at Surbiton Road suggested dissatisfaction with the available shops. Both outlet owners and shoppers felt that there was a lack of core convenience shops such as a grocer, butcher, and baker. They also commented on the overwhelming presence of restaurants/cafes in the area expressing they felt there was an over abundance. Additionally parking was an issue shop owners rose expressing a desire for reduced maximum parking times (20 minutes was suggested) for shoppers who were visiting to quickly grab goods.

**2009 Outlook:** This center has improved in recent times and is likely to sustain this trend. Although, the high proportion of take away outlets and the need for more on-street parking will reduce the opportunity for the center to improve its range and quality in the same way other centers have e.g. Ewell Road North and Ewell Road South.

**2012 Outlook:** While the center seems to be trading well A3 class outlets make up a large portion of the outlets reducing the usefulness of this center in providing necessary shopping to the surrounding community. Furthermore due to the long term parking (2 hours) visitors looking to quickly pick up items are unable to do so for lack of parking. Pedestrian movement through the center is also difficult due to structures, signs, and other blockages on the pathway as well as the lack of pedestrian crossings between the sides of the center. This center will continue to trade well but appears to be serving the surrounding communities less and less as convenience units are replaced with A3 and other non-core shops.

## Tudor Drive

Tudor Drive is a purpose built center supporting 7 outlets that provides a range of convenience shopping and service facilities. Although there are no A3 or other leisure facilities. The center is located on a relatively quiet road, and is served by a dedicated access road with ample off-street parking. It is also on a bus route with a bus stop at the center of the parade. There has been a loss of 1 outlet to office use, but the center trades successfully. The center lacks an anchor store, which could possible bring in more business. In time, the center will most likely succeed due to public accessibility.

**2009 Outlook:** Continue to trade successfully.

**2012 Outlook:** No significant change from the 2009 outlook.

#### Maldens & Coombe

## Burlington Road

The Burlington Centre serves as a specialty convenience center providing a variety of goods from different ethnic backgrounds. It is easily accessible to the public to get to and hosts a variety of products depending on one's preferences. The overall quality of the pavement is not up to par in comparison with other centers, due to the numerous cracks and sloped pavement outside of outlets. There is an abundance of street clutter outside of the outlets causing the sidewalk to be narrow in some areas. The poor pavement and street clutter limits the pedestrian traffic of the center and proves to be a deterrent. In addition to the sidewalks, there is limited parking to the center as well and temporary parking such as deliveries, park directly on the walkways creating numerous obstructions.

**2009 Outlook:** This center will continue to trade reasonably well as it has a discrete catchment area. It benefits from passing trade and caters in large part for the established Korean community.

**2012 Outlook:** This center continues to trade well and provide specialty goods.

## Crescent Road

Located just off of the A308 motorway on Crescent Road the Crescent Road center has a good location for high visitor traffic. Not much has changed over the past three years; only one new outlet has opened. This small center is inset from the main roadway with a sufficient amount of parking. Due to this layout the center is perfect for stopping briefly and picking up essentials or dropping off dry cleaning. The team revisited this center for additional photographs and found a new cycle rack installed suggesting there is continued improvement being pursued by the council in these small centers.

**2009 Outlook:** This center will continue to trade satisfactorily, but could improve if signage was introduced on Kingston Hill to attract in more passing trade.

**2012 Outlook:** The 2009 recommendation has not been addressed and is still valid. Still, center appears to trade well.

## Kingston Road East

Kingston Road East is located on one side of a busy road and caters to a more ethnic population with many specialty grocers and Asian style restaurants. The nearby bus stop and busy road make this center easily available to a large number of people. The sidewalks were at times quite narrow due to storefront seating, which was in very good condition and provided customers a place to eat or visit without hesitation. There is limited parking availability on side streets because of residents parking, although it is not resident only parking. Parking on the curbside makes it difficult for pedestrians to walk, which can prove to be a deterrent for the young and elderly.

**2009 Outlook:** The center will continue to struggle, mainly because the lack of parking. Despite its location on a busy road it is unable to take advantage of its position.

**2012 Outlook:** Additional parking would increase the safety of the patrons, and increase the number of shoppers to the center. It is currently walking or bus transportation that brings customers.

## Kingston Vale

Since the last center study only one of the outlets has changed from a hairdresser to a restaurant. It is offset from the road insulating visitors from traffic. During the teams visit there was a continuous flux of new visitors indicating the good health of this center. The adjacent site of the petrol filling station has remained undeveloped. As stated in the 2009 study the site provides opportunity for the center to expand. The closest bus station was a few hundred meters from the center and the center lacked cycle racks leaving automobile transport the ideal method of getting to the center. The only residential areas are to the southwest of the center with undeveloped space surrounding it on its other sides. Despite the reduced number of households in its catchment area the center is vital.

**2009 Outlook:** Very successful center that will continue to trade well. The center's boundary should be expanded to include the site of the former petrol filling station site to the west of the center. The site provides the opportunity to expand retail/service offer.

**2012 Outlook:** Kingston Vale has only five shops making it the smallest center. Since the 2009 study the center continues to trade well with a strong core set of outlets. The service station still has yet to be developed for center expansion.

#### Malden Manor

This center is ideally suited for its location. Since the center is right next to a school it brings school children, their parents' and their teachers into the center's catchment area. There is a newsagent for the children to buy snacks on their way home and there are similarly other shops such as the grocer and dry cleaner, which can be made useful by adult patrons. The roundabout nearby is nicely landscaped, adding to the atmosphere of the center despite not being within its bounds.

**2009 Outlook:** The center will continue to trade reasonably well.

**2012 Outlook:** Reduce the amount of clutter on the sidewalk from the shop owners and street furniture. There are numerous students on bicycles and signs that identify the area as a school zone can protect the safety on the individuals due to the driving speed of locals within the area.

## Plough Green

The Co-Operative Food is the anchor of this center despite not providing parking for its patrons. There is a wide variety in the other shops, ranging from a betting office to a bakery. The center is in a nice area, partially across the street from the green space where it gets its name. The wide pavement makes travelling through the center easy despite the street clutter at the curb. The center is located on a fairly well travelled road but is able to maintain a neighborhood feel.

**2009 Outlook:** The continued trading of the Coop store is the critical factor in the center's continued trading success.

**2012 Outlook:** Add or move the pedestrian crossing closer to the bus stop and the pub's car park entrance. This center does not receive much advertisement; therefore signs pointing out some of the services can be implemented to improve customer attendance and revenue.

## South Lane

This center seems like it would only service people in the surrounding neighborhoods as it is small and not on a busy road. Though lacking a larger A1 convenience shop (e.g. Londis, Tesco Express, etc.), South Lane has other services useful to locals such as a hairdresser and an off-license. The atmosphere and aesthetics of this center fit well with the adjacent neighborhoods. If a large larger A1 convenience shop took up some of the vacant units, the overall health of the center would increase due to the larger draw of customers.

**2009 Outlook:** The center has a good range of provision, ample off-road dedicated parking, no catchment area overlap and although small in scale, and is likely to continue to trade very well.

**2012 Outlook:** Outlook is similar to that in 2009, as this center is great for people that live a few minutes walk or drive away. Additionally this center would benefit from a larger A1 convenience shop (e.g. Londis, Tesco Express, etc.).

# The Triangle

Of the center's 13 shops 4 are vacant, with the remaining shops getting by. It is aesthetically pleasing with several large trees, very little street clutter and an above average public realm; however, this is not enough to maintain the center. An A3 outlet would help draw people to the center, which could also improve business for the other shops. It is one of the few centers with enough parking to sustain people driving to a restaurant.

**2009 Outlook:** Trading in the center has been affected by the loss of the convenience provision, and will only improve when the vacant outlets are redeveloped.

**2012 Outlook:** Since the previous audit a Tesco has opened. Tesco will act as an anchor tenant and strongly enhances the viability and vitality of the center.

# South of the Borough

Ace of Spades

Ace of Spades is a large center with 51 outlets situated around the intersection of Hook Road and the A3. This leads to a feeling of disconnect in the center, as the sections divided by the A3 seem almost independent of each other. Many shops are new from 2009, with many repeated services (i.e. 5 hairdressers and barbers). The repetition of stores can signify multiple things, such as the competition among business owners or the fact that it's essential to the community. A shop owner of 36 years mentioned the negative changes mentioned above in the center between taking over her shop and how it is today. A Tesco is under construction, in place of a local convenience store, which should help bring more business to the center. The grocery mart can give the center more of a community feel, and may raise the overall moral of the center. A major downside of the center is the location. There is a very busy roundabout and a highway that intersect the center. This adds danger to the mix in terms of accessibility for youth, elderly, and handicapped.

**2009 Outlook:** It will continue to provide for both the needs of the local catchment population and the specialist needs of a much wider area (predominantly car visitors). Possible opportunities to enhance the trading prospect of the center would be by increasing the number of households through any redevelopment opportunities.

**2012 Outlook:** This center does not fully provide for its local catchment area, although the introduction of a Tesco should change that for the better. It is showing signs of failure due to numerous vacancies and shop closures. Additional parking is badly needed, although only if the center can begin to draw more patrons. Shop variety is needed to achieve this. Signs on the A3 should be expanded upon for advertisement.

# Chessington North Parade

Unlike most of its center counterparts, the Chessington North Parade is specifically designed around the local population, neighborhood, and nearby train station. While this is helpful for the usability of the center, it does lead to a slight loss of a community feel despite the infusion of residential dwellings. Adjacent to the train station, the center lies with one-way traffic to decrease congestion, and very wide sidewalks to enable pedestrian flow. Although the sidewalks are wide, there are trees planted in the middle of the walkway causing a deterrent and an obstacle. The center in itself provides for top-up shopping, comparison shopping, and food from cafes and grocers. The center location is ideal and was well designed to draw in commuters and local residents.

**2009 Outlook:** This center is set to continue its very successful performance. Opportunities to increase the catchment area population, perhaps in the locality of the railway station would enhance the trading potential of the center's stores, and aid possible expansion.

**2012 Outlook:** No significant change from the 2009 outlook with the addition of signs showing the way to/from the center from the bus and train stations.

Hook Parade/

Elm Road

After multiple visits to Hook Parade it is evident that is one of the busiest centers. It has a major thruway in between the center that is a deterrent because there is only one pedestrian crossing connecting each side of the center. There are a decent amount of parking spaces for the size of the center but it is still crowded due to the number of people within the vicinity. The amount of disabled parking spaces is small compared to the total number of spaces and not evenly distributed along the line of shops. Additionally, some businesses such as a pub, dentist, community center with a cafe and library are immediately adjacent to the center but not included in it. Therefore the boundary of the center needs to be adjusted to include these features. The center has a wide range of shops to attract patrons for both topup and one time purchases.

**2009 Outlook:** The 'hybrid' role of the center would be significantly enhanced by a larger anchor convenience store. The recent loss of Woolworths may provide an opportunity, however. The only other location that may offer up redevelopment opportunity is the site occupied by the post office and the Working Men's Club. Any potential to increase the catchment population through appropriate redevelopment will help sustain the center's vitality and viability.

**2012 Outlook:** The additions of a new grocer and a Community Centre have improved the attractiveness of the center. Adding more disabled parking spots and lengthen the time given to pedestrians at the pedestrian crossing to enable more flow of people would improve navigability of the center.

Surbiton						
Alexandra Drive	Alexandra Drive is located on a fork in the road causing the outlets to be laid out in an arched fission. The bordering roads are very quiet in comparison to most other centers surveyed helping the center feel welcoming and relaxed. Along the entire center frontage there is dedicated parking totaling to about 30 parking spaces. Additionally there is parking on the nearby streets. Overall parking is adequate for this center. Bus stops are relatively close (~100-200m) allowing easy access to public transport. Cycle racks were also present for use. This center has a higher than average quality of the public realm with its extremely wide sidewalks, slow street, and soft landscaping. The center has all of the core outlets to serve the surrounding area as well as a variety of specialty shops to draw visitors.					
	<b>2009 Outlook:</b> The center will continue to trade successfully due to broad range of facilities and the lack of overlapping catchment areas. To is little prospect for growth or expansion.					
	<b>2012 Outlook:</b> There is no significant change since 2009. Alexandra continues to trade well with a strong set of core shops for nearby residents. The dissimilar and uneven sidewalks are a slight hazard.					
Berrylands Road	The Berrylands Rd. center is a fairly small that serves its local community well, but has little draw for anyone outside of walking distance. It has the feel of a small local center because it is off the main roads and caters to cyclists and walkers. For its size, however, there is an abundance of dining options, both restaurants and take-away, suggesting that the center's busiest time may be after typical working hours. The car showroom at the edge of the center has been vacant for at least five years; this detracts from the aesthetic draw of the center as the corner it sits on shows the neglect.					
	<b>2009 Outlook:</b> This center will continue to serve both the convenience and the nighttime economy needs of the catchment population. The car showroom on the edge of the center that has been vacated could provide opportunity for expansion of retail or evening economy uses.					
	<b>2012 Outlook:</b> Adding parking and a larger A1 convenience shop (e.g. Londis, Tesco Express, etc.) may increase the draw of the center. The vacant car showroom could be a unique feature if an A1 or A3 outlet opened there.					

# Chiltern Drive

This center is a mid-sized local center with 22 outlets in a purpose built parade that sweeps down the incline terminating at Berrylands Railway Station. It is on a quiet residential road that brings no opportunity for passing trade. Vacancy is running at 40%, which is due to the poor access and linkages as well as the lack of a good anchor store. The center has lost its critical mass of retail attractions. B1 office uses have replaced A1 retail uses, which reduces the overall attraction of the center. It also discourages other retailers to either stay or locate in the center. The railway station is not delivering benefits, and the center is in need of renewal.

**2009 Outlook:** Continued decline unless a strategy is developed to expand the catchment population and/or consolidate the retail activity in a particular area, and allow change of use in other parts of the center. Higher density residential redevelopment could be appropriate given the location adjacent to the station. The delivery of more frequent rail services, from two to four services per hour, would make higher density residential outlets more viable. As would a reduction in the odors that emanate from the sewage treatment works. Addressing this problem is something Thames Water has on their agenda to carry out in the near future.

2012 Outlook: During the 2012 visit no odors were noticed while auditing the center. Rail services are still only 2 per hour in either direction as of the time of the audit. Due to the location on a cul-de-sac the only passing traffic stems from visitors to the station. Further the center is not visible from the roundabout that acts as an inlet essentially removing the chance for additional passing trade. The addition of a sign to the roundabout informing drivers of the center may help draw trade. The center itself has very little shopping available and only one convenience outlet. As such either Chiltern Drive needs significant Council intervention such as improving the diversity of units or preventing the loss of A1 to offices or to de-designate the center to a local parade as it is not currently functioning as a local center or serving its local catchment area.

# Ewell Road North

This large center is thriving despite the lack of parking. There is variety in the shops, bringing many different kinds of patrons to the center. The mix of convenience goods with many different kinds of more specialized shops, such as a music shop and a reptile pet shop attracts both local and non-local business. The size and mix of shops with other types of businesses give the center a metropolitan feel. In comparison to other centers, there aren't any outstanding features that set it apart from its other counterparts.

**2009 Outlook:** Continued success due to the diversity of the offer, the large resident catchment and the opportunity for passing trade. Redevelopment opportunities that increase the catchment population would be likely to enhance the center and could encourage better convenience store provision. This center is in greatest need of a modestly sized larger A1 convenience shop (e.g. Londis, Tesco Express, etc.). Possible sites for an A1 convenience shop could be the Surbiton Hospital Ewell Road frontage.

**2012 Outlook:** The Surbiton Hospital under renovation to become a Primary School and Health Centre will provide additional opportunities for the center. Additional parking or lifting the street parking restriction would be beneficial. In order to maintain a cleaner environment in the center there can be policies banning illegal rubbish disposal or organized programs to remediate the trash created such as sanitation sweeps.

# Ewell Road South

Splitting the center is a moderately busy roadway. Three pedestrian crossings along the main stretch of the center are evenly distributed to help the pedestrian access both sides. There is parking in front of some of the outlets; however bus stops/lanes restrict parking in some parts of the center. Two bus stops are located roughly in the middle of the center for easy public transit access. One missing transportation element are cycle racks leaving cyclists to lock their cycles to lamp posts or the few trees along the sidewalk. The quality of the public realm is average for this center with a higher accessibility due to the frequent pedestrian crossings and wide sidewalks and a lower pavement quality due to broken stones, uneven paving, and inconsistent pavement types. Despite the lack of a larger A1 convenience shop (e.g. Londis, Tesco Express, etc.), and therefore the core set of outlets, the center has many specialty outlets, which provide a good customer draw. The center has a good range of outlets for serving both the passing visitors and the visitors from the surrounding neighborhoods.

**2009 Outlook:** The success of the center is likely to continue given its diversity and niche in providing for the evening economy. This would be enhanced by the addition of a suitably sized convenience store.

**2012 Outlook:** The addition of a convenience store has added to the draw of the center but only highlights the need for more parking.

# Villiers Avenue

Villiers Avenue is located on a moderately busy road with inset pay and display parking located along the front. On either side of the center there are bus stops providing easy public transit to the center. There exists a bakery, cafe/restaurant, and multiple convenience/grocer outlets providing an extremely strong core set of outlets for this center. The quality of the public realm is higher than average. Pedestrian navigation of this center is easy with no sidewalk obstructions and even pavement.

**2009 Outlook:** The small size of the center, but marginally above average catchment (with no overlap) suggests it will continue to trade successfully. No obvious prospect for expansion.

**2012 Outlook:** Other than the possible addition of cycle racks this center is very good. It is trading well and will continue to do so with its strong set of core outlets.

#### **Conclusion & Recommendations**

In accordance with national, regional and local policy, the team checked the health of the 25 local centers within Kingston to provide evidence for future planning and policy. Planning policies, such as the NPPF, London Plan, and Kingston Core Strategy, all play an important role in maintaining the growth and prosperity of local centers. In reviewing the policy surrounding local centers, the team found changes on the national, London, and borough level. Policy at each level stresses the importance of viable and vital local centers and mandates that checks are preformed to ensure center health and inform strategies to rejuvenate those found to be ailing. As a result the team devised audit checklists to find deficiencies in the centers.

Overall, the geospatial results were inconclusive on both the deficiency region analysis and correlation of center health to various demographics. Through deficiency analysis, the team found an overall reduction in the number of households inside of major deficiency areas with the sole exception of deficiency area 7 (Figure 6). This anomaly might be a result of the merging of two deficiency regions since the last study. A large problem encountered was encountered while performing deficiency mapping. Originally, the team used the same technique that produce the findings in the 2009 report; however, only in the final hour of the study did the team discover that the analysis had been based on 'as the crow flies' 400m catchment areas whereas the previous study had 400m catchment areas based on walking distance. This made much of the results difficult to compare to past data. Future studies should focus on rigorously defining a method for GIS analysis and document the process for future studies. Some suggested points to take into account are as follows:

- Major roads and rail lines are essentially pedestrian barriers and should be used to break deficiency regions.
- Distances should be either 'as the crow flies' or walking distance, ideally walking distance, as this is more representative of the actual conditions the report is trying to measure.
- If data can be obtained from neighboring boroughs on A1 convenience outlets near the boundary of the Borough some of the deficient regions adjacent to the boundary could show significant reductions in un-served populations during analysis.

To assess the health of the centers a variety of quantitative and qualitative data instruments were used. To attain quantitative data, the team used a variety of performance indicators while qualitative data was gathered through surveying residents. The data collected for the quality of public realm helped determine which centers looked the healthiest aesthetically. Although a center may look healthy and aesthetically pleasing there was not any correlation to the overall success of the center. The surveys of shop owners and passing shoppers revealed that more people are migrating towards the larger district centers and Kingston Town Center instead of local centers due to variety and shopping overall. This leaves local centers to provide convenience or specialty goods.

Determining the viability and vitality of a center in a strictly defined way is difficult in that each center is different and serves a slightly different role in the community. The 2009 report identified the following key determinants of success:

- Inclusion of an adequately sized convenience store  $-150\text{m}^2+\text{gross}$ ;
- Prominent location;
- Adequate parking provision;
- Minimal catchment area overlap;
- Good pedestrian environment such as sufficient pedestrian crossings, and;
- Broad range of retail, service, and evening economy attractions (e.g. A3 and A5 uses)

We found these to be in line with determining the overall health of a center with a slight caveat on the good pedestrian environment. Good pedestrian environment mostly is comprised of accessibility and less so other measures of the quality of the public realm.

In accordance with these key determinants the team found 21 out of the 25 centers to be performing their role as a local center well without major questions about their longevity. However, four of the centers were not performing or the team had major reservations about their long-term health. Chiltern Drive was failing to meet the role of a local center. The center was comprised mostly of non-convenience goods or any sort of outlet visitors might visit day to day. Of the outlets occupied many were used as offices and those zoned as A1 only one out of the total five was a convenience outlet. While the center was bordered by a train station and had cycle racks it lacked visibility and easy bus access. Only five out of the total 22 outlets could a visitor buy a physical item. As such the team recommends either re-

designating the center as a parade or change policy to provide a more diverse set of outlets particularly A3-A5 as well as more A1 convenience. The Ace of Spades center has high vacancy rates jumping over 10% since the 2009 study. A new Tesco Express is opening in the area suggesting that the center may be on the road to recovery, but the center as a whole has the lowest percentage of convenience type A1 outlets in the South of the Borough. The Council needs to scrutinize applications for use change to ensure diversity. Additional centers that showed signs of deficiency were Kings Road and South Lane. The Kings Road center has a poor outlook due to the location of the center considering it is not on a major roadway. In addition to the location, there is little variety within the center although there is a large grocer. The South Lane center is ailing as well for a few reasons. The center is in a residential location but there are not any bus stops within the vicinity. There is a high vacancy rate among the outlets, which provides evidence of a poor outlook. There is little variety as a result of the high vacancy, which can affect the number of shoppers that actually visit the center. The center is lacking an anchor tenant such as a grocer to attract customers. In order for the center to thrive it is essential to have outlets that are not vacant as well as an anchor tenant to stimulate growth.

To make Kingston local centers healthier, initiatives can be taken within the borough to achieve this goal in addition to recommendations for each center. A new initiative, Totally Locally, was created to increase local shopping. This is a "social enterprise that provides a free marketing and branding campaign to towns nationwide" ("Parades to be," 2012, p. 12). The purpose of this program is to promote growth on the micro community level instead of promoting large shopping or grocery stores. An initiative similar to Totally Locally can be introduced in Kingston to help increase the local center shopping. It may take time to develop but will prove to be beneficial to the centers success and health. In following with the 2009 Local Centre Study the team produced a table of all of our relevant findings on a per-center basis. Table 12 essentially provides both a qualitative feel of a center and individualized recommendation and comparison to the 2009 studies outlook. Table 12 replicates the Health check Conclusions table in the 2009 Local Centres Study and includes the recommendations presented in 2009 to provide a better view of the changes and actions the Council has made based on the recommendations. The team reflecting our experience and views of each center has updated the center descriptions. The 2012 outlook is derived from a combination of visitor/shop owner opinions, trends in quantitative data, and through the team's comparison of all of the centers.

Recommendations that can be incorporated for each center include better parking arrangements, more bust stops or different traffic patterns to make a center more accessible and less dangerous to traverse, along with more signage to help advertise local centers to increase public awareness.

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# **Appendix A – Use Classes**

Table 13: Use Classes ("Change of use," 2011)

A1 Shops	Shops, retail warehouses, hairdressers, undertakers, travel and ticket agencies, post offices (but not sorting offices), pet shops, sandwich bars, showrooms, domestic hire shops, dry cleaners, funeral directors and internet cafes.			
A2 Financial and professional services	Financial services such as banks and building societies, professional services (other than health and medical services) including estate and employment agencies and betting offices.			
A3 Restaurants and cafes	For the sale of food and drink for consumption on the premises - restaurants, snack bars and cafes.			
A4 Drinking establishments	Public houses, wine bars or other drinking establishments (but not night clubs).			
A5 Hot food takeaways	For the sale of hot food for consumption off the premises.			
B1 Business	Offices (other than those that fall within A2), research and development of products and processes, light industry appropriate in a residential area.			
B2 General industrial	Use for industrial process other than one falling within class B1 (excluding incineration purposes, chemical treatment or landfill or hazardous waste).			
B8 Storage or distribution	This class includes open-air storage.			
C1 Hotels	Hotels, boarding and guesthouses where no significant element of care is provided (excludes hostels).			

C2 Residential institutions	Residential care homes, hospitals, nursing homes, boarding schools, residential colleges and training centers.
C2A Secure Residential institutions	Use for a provision of secure residential accommodation, including use as a prison, young offenders institution, detention center, secure training center, custody center, short term holding center, secure hospital, secure local authority accommodation or use as a military barracks.
C3 Dwelling houses	C3 (a) covers use by a single person or a family (a couple whether married or not, a person related to one another with members of the family of one of the couple to be treated as members of the family of the other), an employer and certain domestic employees (such as an au pair, nanny, nurse, governess, servant, chauffeur, gardener, secretary and personal assistant), a carer and the person receiving the care and a foster parent and foster child.
	C3 (b): up to six people living together as a single household and receiving care e.g. supported housing schemes such as those for people with learning disabilities or mental health problems.
	C3(c) allows for groups of people (up to six) living together as a single household. This allows for those groupings that do not fall within the C4 HMO definition, but which fell within the previous C3 use class, to be provided for i.e. a small religious community may fall into this section, as could a homeowner who is living with a lodger.
C4 Houses in multiple occupation	Small shared dwelling houses occupied by between three and six unrelated individuals, as their only or main residence, who share basic amenities such as a kitchen or bathroom.
D1 Non- residential institutions	Clinics, health centers, crèches, day nurseries, day centers, schools, art galleries (other than for sale or hire), museums, libraries, halls, places of worship, church halls, law court. Nonresidential education and training centers.
D2 Assembly and leisure	Cinemas, music and concert halls, bingo and dance halls (but not night clubs), swimming baths, skating rinks, gymnasiums or area for indoor or outdoor sports and recreations (except for motor sports, or where firearms are used)

# **Sui Generis**

Certain uses do not fall within any use class and are considered 'sui generis'. Such uses include: theatres, houses in multiple occupation, hostels providing no significant element of care, scrap yards. Petrol filling stations and shops selling and/or displaying motor vehicles. Retail warehouse clubs, nightclubs, launderettes, taxi businesses, amusement centers and casinos.

# **Appendix B - Center Audit Checklist**

# Property use classification

Classify each shop on the accompanying map and spreadsheet in accordance to the designations below. Shops require additional information, whether they are comparison or convenience.

- A1 Shop
  - Comparison
    - Every day items
    - Specialty items
  - Convenience
- A2 Financial or Professional Service
- A3 Restaurant or Café
- A4 Drinking Establishment (Night club excluded)
- A5 Hot food Takeaway
- B1 Business
- D1 Non-Residential (Clinics, Art Galleries, Churches)
- D2 Assembly or Leisure (Cinema, Gyms)
- V Vacant
- O Other

# **Parking Availability**

Add	the number of parking spaces next to amount
I   U   I   I	Metered – Amount: Residential Only Unrestricted – Amount: Pay-and-Display – Amount: Provided by Business – Amount: Other:

## **Other Transportation**

ш	Cycle Racks
	Bus Stops

o Number of stops:

		F		
Average Distance to bus stops				
1	2	3	4	5

<sup>\*1</sup> being distant from the center 5 being close

Opinion: Is the parking sufficient for the given area?

# **Quality of the Public Realm**

Scale from 1-5 one being very poor, five being very good

Accessibility					
1	2	3	4	5	
Litter/Cleanliness					
1 2 3 4 5					
Planting/Soft Landscaping					

Planting/Soft Landscaping					
1 2 3 4 5					

Street Clutter				
1	2	3	4	5

Quality of street furniture*				
1	2	3	4	5

Security				
1	2	3	4	5

Quality of Pavement				
1	2	3	4	5

\*The term street furniture encompasses features such as signage lampposts, lighting, seating, utility boxes, guardrails, street art, etc.

# **Environmental Quality Notes**

# **Appendix C - Centre Summary**

(Name of Centre)

## Parking and transportation information:

Cycles racks, bus stops and parking information as the surveyor's opinion on the sufficiency of the available parking.

# **Quality of the Public Realm Scores**

Average the scores from each team member and add reasons why a certain score was given if above or below 3. Add photos when useful/relevant.

- 1. Accessibility:
- 2. Litter/Cleanliness:
- 3. Planting/Soft Landscaping:
- 4. Street Clutter:
- 5. Quality of Street Furniture:
- 6. Security:
- 7. Quality of Pavement:

# **Written summary of Centre:**

Write a paragraph or two about the centre, using the information collected in the checklist, photos, and from interviews with the shop owners and shoppers. Include photos when relevant. Add predictions and recommendations for the Centre here as well.

# **Appendix D - Survey Manual**

#### Introduction:

The purpose of this manual is to streamline the data collection process for center studies and vitality and viability assessments in order to provide comparable data in subsequent surveys. Materials that a surveyor should take include both a camera and a survey pack containing: a center audit checklist, an Excel spreadsheet to fill in occupancy changes, a base map of the center, a visitor interview sheet, and a shop owner interview sheet. The Center Audit Checklist has a set of questions that need to be uniformly assessed by each group member as well as during any possible future audit. Upon return from centre visits, the surveyor should then fill out a centre summary. To do this the following criteria should be used to judge the qualities in question.

#### Filling out the Survey

From experience, one can survey 3-5 centers a day depending on size and then have time to fill out the surveys that same day. This is highly recommended, as it will ensure that the centers are fresh in your mind. If the survey is done over multiple days for additional interviews or the collection of other data, the summary should be updated after each visit.

## Occupancy and Unit Class

Using a spreadsheet filled with addresses, old occupancies and unit classes of units in the center go through the center and note any changes that may have occurred since the most recent study.

### **Parking**

Parking availability will serve as a quantitative measure as parking spaces can be counted. Mark down whether the available parking is convenient for use and if there is enough parking to adequately serve the center. Parking adjacent to shops within the center would be considered convenient whereas street parking on the other side of the street would not. The adequacy of parking is the most difficult to assess; therefore, the judging criteria need to be as thorough as possible. Adequate parking for the purpose of this study will be based primarily on the number of parking spaces per shop and the sizes of the stores. In addition to parking spaces the number of cycle racks and the location of bus stops will also be recorded with the primary focus remaining on parking spaces. The easiest way to determine adequate parking is through the supplemental shop owner interviews, as they will have the best knowledge of their respective centre or shop.

### Quality of the Public Realm

Quality of the public realm is analyzed through a set of criteria that can be ranked from 1 to 5 with rankings as following: 1- very poor, 2-below average, 3-average, 4-above average 5- exceptional. When certain criteria were not applicable, such as landscaping and plants, the rating was defaulted to 3. The criteria used to assess the quality of the public realm are:

### 1. Accessibility

- a. Navigation of the center
  - i. Enables very young, old, and handicapped to access shops
- b. Questions to Ask
  - i. Is the pavement even?
  - ii. Are there wheelchair ramps and textured tiles for the blind?
  - iii. Are there railings on stairs?
  - iv. Are the sidewalks very narrow?
  - v. Is there a cross walk for a dividing street
- c. Scoring for Category
  - i. Uneven pavement, unmarked curbs/steps, no railings, and other tripping hazards: Score of 1
  - ii. Some but not all of the following: Wide sidewalks, railings on stairs, disabled utilities and even pavement: Score of 3
  - iii. No obstructions on the wide sidewalks. Handicap ramps convenient and available for all locations and pedestrian paths. Railings on all steps. Score of 5

#### 2. Litter/Cleanliness

- a. Cleanliness
  - i. Bad Graffiti Graffiti should play a minor role in determining the cleanliness of most centers; however, its impact, be it positive or negative, can be difficult to determine. See below for a section on positive and negative graffiti.
  - ii. Chewing Gum on sidewalks
- b. Rubbish
  - i. Abundance of cigarette butts
  - ii. Litter on the ground
- c. Scoring Category
  - i. Graffiti on sides of buildings, rubbish in the streets and in walking areas and chewing gum under benches and tables. Score of 1
  - ii. No non-artistic graffiti, little to no rubbish outside bins. Score of 5
- 3. Planting/Soft Landscaping
  - a. Measure of the quality of plants
  - b. Scoring for Category
    - i. Solely weeds: Score of 1
    - ii. Not Applicable/Average: Score of 3
    - iii. Healthy plants that add to the aesthetics: Score of 5
- 4. Street Clutter
  - a. Consider the density not just the actual amount. In other words, a wider sidewalk means more items without excessive clutter.
  - b. Uniformity of Signage and Road Marking
  - c. Advertising/Signs
  - d. Obstructions
    - i. Too many barriers

- e. Excess structures
  - i. E.g. "Are there three sign posts when one would do?"
- f. Scoring for Category
  - i. Redundant signage/road markings, excess advertising, pedestrian paths obstructed: Score of 1
  - ii. Cleanly laid out signage and advertising as well as logical structure placement: Score of 5
- 5. Street Furniture
  - a. Lampposts
  - b. Utility Boxes
  - c. Guardrails
  - d. Street Art
  - e. Other Observations
  - f. Scoring for category
    - i. Street furniture serves little/no purpose and visually detracts from the area: Score of 1
    - ii. Street furniture as art and highly adds to the area either functionally or visually: Score of 5
- 6. Security
  - a. Public Safety
  - b. Neglected Regions
  - c. Lighting at Night
  - d. Scoring for category
    - i. Poorly lit at night, very "unsafe" feeling, substantial areas not in plain view: Score of 1
    - ii. Score of 3: Average
      - 1. Most, if not all centers scored a 3 when done during the daytime. This criterion is only descriptive when a centre has a score of 1 or 2.
    - iii. Well lit at night, very "safe" feeling, whole area easy surveillance: Score of 5
- 7. Pedestrian Walkways
  - a. Sidewalk upheaval
  - b. Cracks
  - c. Missing Pavers
  - d. Broken Stones
  - e. Scoring for category
    - i. All things listed above are true: Score of 1
    - ii. Sidewalks in very good condition, all stones are clean and in good condition, no cracks in any of the footpaths: Score of 5

The Environmental Quality section is left for personal notes. This can be observations such as: "All of the store fronts in this area have fallen into disrepair" or "There needs to be a major reworking of the signage/road way to increase the navigability and safety of the pedestrians." Further this area can be used to recommend improvements such as "A sign pointing to the center would help" or "There needs to be a substantial decrease in street clutter for this center to be navigable."

These are the criteria on which the centers should be judged and the methods by which the judging should rely. The purpose for such rigorously defined criteria and methods

are so that within a team or future survey the results from the Center Audit Checklist are consistent and reproducible.

# Good vs. Bad Graffiti

There will inevitably be a subjective component based on the surveyor, but tagging, the writing, painting or scratching into glass of one's name quickly, should always be considered "bad graffiti". For other forms of graffiti, the surveyor must use their sense of aesthetics to judge if it helps or hinders the look of the area. Murals or other forms of street art might attract or repel different demographics depending on the nature of imagery. Graffiti from the street artist Banksy can transform a business into a destination and raise property value. Conducting interviews with frequent shoppers to assess the public opinion on the graffiti and if it effects the shopping experience. If there is any question or significant concern about the graffiti it should be photographed. Err on the side of caution.

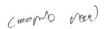
## **Centre Summary**

To summarize a centre, one should make note of a basic set of characteristics. These characteristics are:

- What is the immediate area like?
  - o Is there a busy road?
  - o Is it in a residential area or a business area?
  - o Atmosphere (e.g. relaxed, busy, quite)
- Transportation details
  - o Public transit
  - o Cycle racks
  - o Parking
- Public realm
  - How does this centre compare to others? Add appropriate details of how this distinction was made.

### **Example study Coombe Road (2012):**

The following is a centre audit checklist and centre summary filled out by a team member



## **Center Audit Checklist**

#### Property use classification

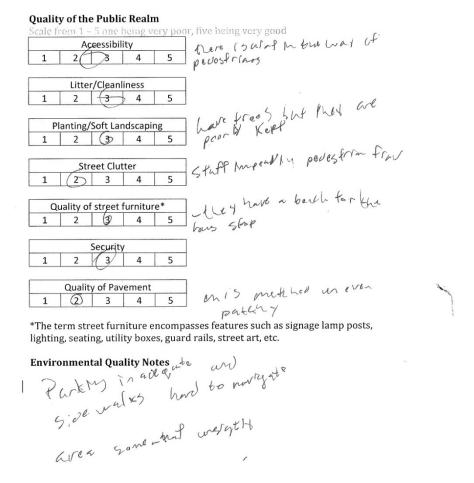
Classify each shop on the accompanying map and spreadsheet in accordance to the designations below. Shops require additional information, whether they are comparison or convenience.

- A1 Shop
  - o Comparison

    - Every day itemsSpecialty items
  - o Convenience
- A2 Financial or Professional Service
- A3 Restaurant or Café
- A4 Drinking Establishment (Night club excluded)
- A5 Hot food Takeaway
- B1 Business
- D1 Non-Residential (Clinics, Art Galleries, Churches)
- D2 Assembly or Leisure (Cinema, Gyms)
- V Vacant
- O Other

Parking A Add the nu ☐ Metere ☐ Reside ☑ Unrest ☐ Pay-an ☐ Provide ☐ Other:	umber o ed – Am ntial Or ricted -	of park ount: nly - Amor ay – A	unt: 4	) + <sup>*</sup> .	3 +		)(III)	
Other Tra		ation						
Cycle R								
Bus Sto		6 . 4						
٥	Numbe		_					
-	Aver	age Dis	stance	to bus	stop	os		
L	1	2	3	4	1	5		
	*1 bein	g dista	ant fro	m the	cent	er 5 b	eing c	

Opinion: Is the parking sufficient for the given area?



## Centre Summary - Coombe Road

## Parking and transportation information:

Cycles racks, bus stops and parking information as the surveyor's opinion on the sufficiency of the available parking.

Parking is available along the road in front of most shops. There were approximately 15 pay parking spots and a handful of unrestricted spots available. Two bus stops were located in the middle of the centre next to the bulk of the outlets. Overall parking is sparse and has been reduced in recent years by the addition of the bus stop.

# **Quality of the Public Realm Scores**

Average the scores from each team member and add reasons why a certain score was given if above or below 3. Add photos when useful/relevant.

- 1. Accessibility: 3 There was a good deal of obstacles in the sidewalk which was balanced out by wheelchair ramps and crosswalks.
- 2. Litter/Cleanliness: 3

- 3. Planting/Soft Landscaping: 3.5 There was a tree every 5-10m however the trees were poorly maintained.
- 4. Street Clutter: 3 Generally good, however at some parts pedestrian traffic was impeded.



Figure 19: Very Narrow Sidewalk Near Bus Stop

- 5. Quality of Street Furniture: 3.25 Overall average, however the bus station provided a bench to sit on.
- 6. Security: 3
- 7. Quality of Pavement: 2 The sidewalk was broken, non-uniform, and slanted.



## **Written summary of Centre:**

The Coombe Road centre lies along an averagely busy road. Since 2007, the number of vacant storefronts has not changed from 5. The road is navigable by a few crosswalks. Although it lacks a grocer, the centre was healthy and had visitors passing through during the visit. Portions of the centre have parking along the front; however a bus stop takes most of the prime parking real estate choking the centre of parking. That said, alternative transportation methods are available with the aforementioned bus stop providing public transit access and cycle racks available to cyclists. The sidewalks at places were laid out such that the pedestrian would need to weave back and forth to navigate passing through the centre. Shopkeepers suggested that the area was quite stable and doing well with a new restaurants having opened in the centre.

**Outlook:** This centre appears to be doing well, no changes required but as said in the 2007 report, a convenience store would enhance the centre's survivability.

## **Appendix E – Shopper Survey** Name (optional)\_\_\_\_\_ Name of Centre\_\_\_\_ Team Member\_\_\_\_ Date and Time Personal Details (optional): $\Box M \Box F$ □Under 18 □18-35 □35-50 □50+ 1. When did you start coming to this shopping centre? ☐ This Year □ Past Five Years ☐ Past Three Years ☐ More than Five years 2. How frequently do you visit? ☐ Multiple times a week □ Once every few weeks ☐ Once a week □ Not often 3. What kind of shopping do you typically do? □ Top Up $\square$ Monthly □ Weekly □ Only for specific items 4. How has this shopping centre changed over the past three years? ☐ Type of Stores □ Aesthetics ☐ Traffic Patterns ☐ Amount of Stores 5. How does this shopping centre compare to other ones that are nearby? 6. Why do you choose to shop at this centre? □ Location □ Cost □ Convenience □ Products 7. How do you usually get to the centre? □ Walking Train □ Driving □ Bus 8. Roughly, how far do you live from this centre? ☐ Less than 400 meters $\square$ 1 mile to 5 miles $\square$ 400 meters to 1 mile $\square$ More than 5 miles 9. What products do you typically buy? □ Electronics ☐ Groceries

Other (please list)Restaurant and Cafes

□ Clothes

- 10. If those products were unavailable at this centre, where would you go?
- 11. Best/worst things about this centre?
- 12. What do you think would make this centre better?

Name	Name of Centre
Name of Shop	Type of Shop
Date and Time	Team Member
working with Kingston Council.	and I am a student of Worcester Polytechnic Institute My group and I are currently conducting a Local Centre team will be assessing the vitality and viability of local et of performance indicators."
1. How long have you been	in business at this location?
a. If a long time, how	w has the centre changed (shops, area, customers)?
i. How has t	that influenced the shop?
b. Why did you choo	ose to have a shop in this centre?
2. What type of customers of	does your shop typically draw?
a. Are they different	t from the type of customer you hope to draw?
3. In a typical day, how man	ny customers do you usually serve?
a. Is there a particula	ar time of day that is generally the busiest?
4. How stable is the market	in the centre?
5. What effect has the econo	omic recession had, overall and specifically for your shop?
6. Best/worst things about the	he centre?

a. What could improve the centre?

# **Appendix G – Use Class Count by Center**

Center Name	Total Units in 2012	<b>A</b> 1	A1 Conv	A1 Comp	A2	А3	B1	D1	SG	Vacant Units
Cambridge Road	16	5	2	3	2	1	1	0	1	2
Kingston Hill (South)/Park Road	34	15	3	12	1	6	4	0	3	2
Kings Road	15	5	1	4	0	1	1	0	3	3
Kingston Road (West)	21	12	3	9	2	2	1	0	0	2
Richmond Road	21	8	2	6	1	3	0	0	2	2
Surbiton Road	41	15	4	11	2	7	0	1	5	6
Tudor Drive	7	5	2	3	0	0	0	1	0	1
Coombe Road	24	15	8	7	1	5	0	0	0	2
Kingston Town Total	179	80	25	55	9	25	7	2	14	20
Burlington Road	32	17	7	10	2	2	0	1	0	2
Crescent Road	6	5	2	3	0	0	0	0	0	1
Kingston Road (East)	33	11	6	5	0	3	0	1	3	1
Kingston Vale	6	3	2	1	0	1	0	1	0	1
Malden Manor	12	5	3	2	1	0	0	0	0	2
Plough Green	20	8	3	5	3	2	1	1	1	4
South Lane	8	4	3	1	1	1	0	0	0	1
The Triangle	12	8	4	4	0	0	0	1	0	2
Maldens and Coombe Total	129	61	30	31	7	9	1	5	4	14
Ace of Spades	51	21	4	17	2	4	1	0	3	12
Chessington North Parade	21	12	7	5	5	2	0	1	1	0
Hook Parade/Elm Road	33	18	8	10	5	1	0	1	3	3
South of the Borough Total	105	51	19	32	12	7	1	2	7	15
Alexandra Drive	17	10	3	7	2	1	1	1	2	0
Berrylands Road	14	7	3	4	0	2	1	0	1	1
Chiltern Drive	22	5	1	4	6	0	1	1	1	7
Ewell Road (North)	55	22	5	17	3	9	1	1	4	3
Ewell Road (South)	51	21	3	18	4	6	2	4	5	6
Villiers Avenue	8	5	4	1	0	1	0	0	1	0
Surbiton Total	167	70	19	51	15	19	6	7	14	17
Borough Total	580	262	93	169	43	60	15	16	39	66

# $Appendix \ H-2007 \ Floor \ space$

Neighborhood	Total	A1 Conv	A1 Comp	A1	A2	A3	B1	D1	SG	Vacant
Kingston Town	10,286	2,034	3,947	5,981	409	952	255	0	1,418	1,271
		20%	38%	58%	4%	9%	2%	0%	14%	12%
Maldens & Coombe	8,701	2,926	2,409	5,335	514	816	66	410	512	1048
		34%	28%	61%	6%	9%	1%	5%	6%	12%
South of the Borough	10,271	2,814	3,954	6,768	1,071	833	110	181	457	851
		27%	38%	66%	10%	8%	1%	2%	4%	8%
Surbiton	13,301	1,278	4,442	5,720	1,176	1,563	691	267	2,244	1,640
		10%	33%	43%	9%	12%	5%	2%	17%	12%
BOROUGH TOTAL	42,559	9,052	14,752	23,804	3,170	4,164	1,122	858	4,631	4,810
		21%	35%	56%	7%	10%	3%	2%	11%	11%

<sup>&</sup>lt;sup>†</sup> The data for 2007 includes centers removed in the 2012 study. Additionally the 2012 data contains centers added and additional outlets from re-bounded centers.