Strip Malls, City Trees, and Community Values

Kathleen L. Wolf

Abstract. Strip malls (also known as mini-malls) are a common urban land use, historically promoted by U.S. zoning practices that concentrate retail and commercial development in a narrow band along arterials and major streets. More recently, communities are redeveloping mini-mall zones, expanding landscape plantings as biotechnology, and attempting to create a sense of place. This study assessed public response to urban forest and landscape options. Surveys depicted varied roadside, property-edge treatments. Residents of three major cities in the Pacific Northwest, U.S., were asked to indicate their preferences and perceptions concerning a four-concept framework: visual quality, retail perceptions, patronage behavior, and pricing for goods and services. Respondents preferred landscaped roadways and report positive retail behavior such as willingness-to-pay 8.8% more for goods and services in well-landscaped malls. Roadside management guidelines are proposed based on the research results.

Key Words. Contingent valuation; mall; preference; public response; retail; roadside; survey; visual quality.

Strip malls have become a prevalent commercial land use throughout the United States. They offer small-scale retail and commercial services and products, generally serving local communities. These commercial hubs are often deplored for their inefficient use of space and lack of visual quality, yet they are often the product of local zoning practices that encourage concentration of small businesses in off-street centers.

Many communities are interested in either improving the visual quality of new commercial corridors or redeveloping existing commercial streets to better align with community values concerning sustainability. Survey research was done to learn more about public perceptions of urban strip malls and to suggest landscape practices for communities or developers who want to improve the visual quality of a strip mall setting. Prior studies show positive shopper inferences about businesses in central business districts having a quality landscape (Wolf 2005). Similar principles and methods were used to explore public response to strip mall landscape alternatives.

BACKGROUND

Mini-Malls

The first strip mall shopping center in the United States was the Country Club Plaza in Kansas City, Missouri, built in the 1920s (Strip Mall 2007). Strip malls (also known as mini-malls) are now ubiquitous in urbanized areas, consisting of a row of multiple (usually connected) storefronts having associated off-street parking. Although fairly new in human history, the strip mall reflects ancient commercial planning; a road focuses the movement of people and some of those passersby want to buy something. Because many U.S. cities conduct single-use zoning, retail and commercial zones are often concentrated in a narrow band along arterials and highways with residential communities located nearby.

Mini-malls are service-oriented and usually contain small-scale stores that serve everyday needs of nearby residents (such as a video store or a small restaurant). They serve dual purposes of shopping convenience for nearby residential communities and provide relatively inexpensive retail spaces for startup and small businesses. Therein lies the tension. Built at fairly low cost, and visible to thousands who drive by each day, strip malls are criticized for being ugly, contributing to the demise of traditional business districts, and reducing social interactions among shoppers. Nonetheless, strip mall architecture is simple and sturdy, maximizing usable space while keeping real estate costs low. Businesses having slim profit margins and low capital reserves are able to rent or lease affordable retail space and offer basic goods and services to a community (Stewart 2005).

Urban Landscape Assessment

Landscape assessment studies have been used since the 1960s to explore public perceptions and values associated with landscapes and their management. Generally, people of all ages and cultural backgrounds prefer natural views to built settings, and unkept nature in urban settings is less preferred than well-maintained nature. The presence of trees generally enhances public judgment of visual quality in cities (Ulrich 1986; Smardon 1988; Dwyer et al. 1994). Urban scenes containing trees (particularly large ones) are consistently highly preferred (Ulrich 1986), and the general public rates the benefits of urban trees highly (Lohr et al. 2004). Plants contribute to roadside visual quality. In a California study (Evans and Wood 1980), people judged simulations of proposed residential development for scenic quality and preferred highly vegetated highway corridors. Van passengers recorded attractiveness ratings for urban roadside views in Minnesota (Nassauer and Larson 2004); highest values were awarded to road segments having nature features and well-designed plantings and structural elements. A national study found that drivers prefer urban expressway landscapes having large trees that screen adjacent commercial properties (Wolf 2003, 2006).

Community Economics

Psychologic assessments of urban landscapes suggest that aesthetic response is more than a mere reaction to what is beautiful or pleasant, but is an expression of a complex array of perceptual and cognitive processes (Kaplan and Kaplan 1989). Public responses have economic consequences. Talented workers and
firms are attracted to places that have high levels of amenities and environmental quality (Florida 2005). Real estate values are enhanced by landscape and vegetation. Market prices of homes are increased approximately 7% by the presence of trees in yards and at the property edge, and those homes near a naturalistic open space gain 10 to 20% in value (Wolf 2007).

Trees and nature also generate economic benefits for commercial and retail enterprises. In one study, rental rates were 7% higher for commercial office properties having a quality landscape (Laverne and Winson-Geideman 2003). In studies of downtown business districts, shoppers report increased patronage and purchasing behavior in districts having a quality urban forest. Consumers report being willing to pay 9% to 12% more for goods and services in districts having a mature tree canopy (Wolf 2005). Merchants pay close attention to the quality of indoor design features such as product layout, music, and store lighting. Shoppers accept higher prices for goods in stores having attractive settings and positive staff. Visual quality of the outdoor environment appears to also impact price behavior (Wolf 2004).

METHODS AND PROCEDURES

Research Questions

Some communities have concerns about the aesthetics of retail areas and are also working to improve the ecosystem services within built landscapes. Several research questions guided a social science study to learn more about public response to the presence of plants in strip mall environments:

1) How does vegetation influence public response to visual quality of strip mall developments?
2) Are there any differences in consumers’ patronage behavior related to a mall’s visual amenities?
3) Does landscape character influence what consumers would be willing to pay for goods and services?

Survey Construction

Survey methods were selected to conduct the research. An eight-page photo questionnaire began with a photo preference exercise. A photographic image sample was generated using a combination of photography of actual strip mall settings and digital editing. Three base images depicted building and parking conditions typical of strip malls in temperate North American cities. Image selection was done to reduce variability of visual content and known confounds in public preference response were avoided such as overhead utility lines, tidiness, and upkeep (Nasar 1987; Herzog and Gale 1996). Each base image was digitally edited to represent eight conditions of varied landscape treatment of vegetation structure (tree and shrub combinations), management approach (whether manicured or naturalistic), and spacing (linear equidistant or random). The final presentation set contained 27 black and white images; 26 were randomly presented in the questionnaire. Respondents rated how much they liked each image on a Likert scale from 1 = not at all to 5 = very much and high preference.

Several additional banks of variables were provided to test consumer perceptions and behavior associated with varied landscape scenarios. Two hypothetical scenarios were constructed using photographic composites and plan sketches (Figure 1). Scenarios differed with respect to quantity and arrangement of vegetation. Secondary visual distractions (such as litter, building age, and

![Figure 1. Visual presentation of survey scenarios.](image)
utility lines) were avoided. The No Vegetation district scenes contain no trees or shrubs, showing uninterrupted rows of storefronts. The Mature Vegetation scenario depicts a similar street scene with street trees of mature height and associated shrubs. No conflicts of trees with structures or infrastructure are apparent.

Respondents were asked to project their shopping behavior. Each respondent saw both scenarios but responded to one hypothetical place. Three sets of variables measured consumer response. Respondents provided ratings on perceptual descriptions of the district and reported their likely behavior on five patronage variables. A final section presented a contingent valuation method exercise, asking respondents to indicate their willingness-to-pay values for a list of goods and services. Contingent valuation is an economic analysis tool typically used to assess values for nonmarket, environmental public goods (such as wildlife conservation, clean air, and environmental protection). In this study, the tool was applied to an urban forest environment.

**Respondent Sampling**

Residents of three major cities in the Pacific Northwest region of the United States were selected for the survey sample frame: Seattle, Washington; Tacoma, Washington; and Portland, Oregon. These cities were chosen because they are the three largest population centers in the geographic region and have extensive strip mall development. It was assumed that the selected respondent populations and the strip mall settings of these cities do not differ distinctly from other temperate climate urban centers.

A random list of mailing addresses was purchased from a commercial list broker generated within zip codes selected to represent typical urban areas having strip malls. After pretesting, self-administered surveys were mailed to a sample of 1,200 households. Mailing procedures (including reminders) generated 165 reasonably complete responses, and given that 63 were nondeliverable or not completed, the response rate was 14.5%. A 20% to 25% return was expected of responses, and given that 63 were nondeliverable or not completed, the response rate was 14.5%. A 20% to 25% return was expected of urban mail surveys decades ago (Sommer et al. 1990), but response rates have fallen (Elmendorf and Luloff 2001).

The questionnaire ended with several demographic and background items. Thirty-three percent of respondents were in their 20s and 30s, 44% were in their 40s and 50s, and 24% were in their 60s or older. The majority of respondents were male (60%) and white (85%). Twelve percent of responding households contained a single person, whereas 36% were two-person households with 46% claiming to be composed of three or more persons. Forty-seven percent of households had persons 18 years or younger. Stated annual household income varied considerably. Twenty-one percent claimed $35,000 or less per year, 49% selected the $35,000 to $50,000 range, whereas 30% earn greater than $75,000 annually. Meanwhile, U.S. median household earnings for the study year were $38,885 and regionally $39,067 for Oregon and $47,421 for Washington states.

There are issues of generalizability resulting from survey response. The low response rate raises possibilities of nonresponse and/or self-selection bias. Resources were not available to test for nonresponse issues. Also, the respondent profile indicates potential inference limitations with regard to gender and ethnicity.

**ANALYSIS AND RESULTS**

Data analysis involved several approaches. Descriptive statistics, followed by factor analysis, revealed categories of response in the preference ratings. For scenarios, individual response items were first tallied, then combined using data reduction methods to look for underlying categories, and then compared for differences in response between conditions of streets having and not having trees.

**Visual Preference**

Prompt images depicted a gradient of vegetation treatments. Does the presence of vegetation affect visual quality of small mall retail settings? Considering the range of mean preference ratings, scenes having only lawn in the foreground came in at approximately 1.5 and display uninterrupted views of mall buildings. Images having trees, alone or in association with shrubs, registered the highest means of approximately 3 to 3.5.

Principal axis factor analysis with Varimax rotation was used to extract underlying common dimensions based on observed covariation of individual images. Several decision rules were used to determine inclusion of any item within a specific category (Kaplan and Kaplan 1989). Four categories emerged from the analytic procedure, accounting for 66% of the total variable variance, and included 25 images.

Each group was assigned an assemblage epithet describing principal content. After dimensional analysis, new variables were constructed by aggregating means across all category items (Figure 2).

Factor analysis categories typically reflect multiple perceptual influences such as vegetation content, spatial configuration, and built to nature balance. The images of Mixed Screen display a combination of trees and shrubs at the property edge. The vegetation composition is varied, depicting mixed species and irregular placement of plants. Foreground landscape obscures views of midground buildings. Ordered Trees images contain large trees planted in regular order at the property edge with the ground plane planted in grass. Category 3, Shrub Edge, depicts border plantings of both sheared and naturally maintained low-growing shrubs. Unlike the two other categories, background buildings are in full view behind the vegetated edge. The base images, containing No Vegetation in the foreground, formed a fourth category with uninterrupted views of a parking area and buildings.

The lowest rated category contains views of strip mall buildings visually unmitigated by landscape vegetation. From the most barren scenes of buildings and parking lots, category preference means increase with increased quantities and structure of vegetation. Preference ratings take a major step up with the addition of shrub and hedge plant materials. Another preference increment is added when trees are planted with the highest visual quality values being assigned to tree plantings having associated shrub materials.

**Scenario Analysis**

**Place Perceptions**

While viewing two scenarios, respondents were asked to rate their level of agreement with a series of descriptive statements about one of the locations using Likert scales (1 = “strongly disagree” to 7 = “strongly agree”). Categories were statistically derived and labeled using the analytic approaches described for visual preference data. Four categories contained 16 of 25 original items...
Table 1. Place perceptions—categories and means comparisons.

<table>
<thead>
<tr>
<th>Scenarios</th>
<th>Perceptions categories</th>
<th>No Vegetation [Mean (SD)]</th>
<th>Mature Vegetation [Mean (SD)]</th>
<th>Independent samples t-test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1: Business Quality</td>
<td>3.76 (0.88)</td>
<td>4.30 (0.93)</td>
<td>t = –3.552, P &lt; 0.001, df = 144</td>
<td></td>
</tr>
<tr>
<td>Category 2: Amenities and Attractions</td>
<td>2.97 (1.31)</td>
<td>5.23 (1.21)</td>
<td>t = –10.902, P &lt; 0.001, df = 147</td>
<td></td>
</tr>
<tr>
<td>Category 3: Positive Merchants</td>
<td>3.82 (1.07)</td>
<td>4.77 (1.18)</td>
<td>t = –5.107, P &lt; 0.001, df = 144</td>
<td></td>
</tr>
<tr>
<td>Category 4: Wayfinding</td>
<td>5.90 (0.81)</td>
<td>4.27 (1.31)</td>
<td>t = 9.003, P &lt; 0.001, df = 149</td>
<td></td>
</tr>
</tbody>
</table>

Note. Item ratings: 1 = strongly disagree through 7 = strongly agree.

and accounted for 60% of total variance. Individual variables were combined to construct dummy variables, and responses were compared between the mall scenarios (Table 1) using alpha levels that were adjusted for multiple comparisons (0.05/4 = 0.0125).

The presence of trees and shrubs enhances judgments of Amenities and Attractions. Respondents strongly inferred that the green mall was associated with a more positive atmosphere, cleanliness, image and to be a more favorable place for residents and tourists alike. Such findings are not surprising because prior studies about nature and city streets found that evaluative appraisals (Nasar 1987) and affective response (Sheets and Manzer 1991) are boosted by the presence of trees.

Results for categories Business Quality and Positive Merchants are informative. There was no obvious indication of the condition of neither stores nor merchants, yet respondents attributed significantly better business conditions and interactions for the scenario with more plantings. Quality and selection of products, level of customer service, and merchant helpfulness were all judged to be more positive in the vegetated mall. This finding is consistent with positive judgments of merchants and shops found in studies of central business districts that have a quality urban forest canopy (Wolf 2005). A consumer’s cognitive interpretations and representations of place extend to include the quality of social interaction and response that he or she expects.

An inverse relationship was found for the Wayfinding category. Study participants highlighted the common complaint of business people that vegetation can restrict visibility of signage and storefronts. Drive-by views and the search for a particular store may be hindered by dense lot-edge landscape.

Shopper Patronage

Respondents were queried about potential patronage behavior using categorical response variables (Table 2). Response frequencies were analyzed to evaluate the relationship of reported actions to mall character. Responses on all but one patronage variable were found to be significantly higher when comparing Mature Vegetation to No Vegetation conditions.

An inverse pattern of response was evident. Responses for no-vegetation settings are concentrated at the low end of each of the patronage variables’ values and become less frequent moving toward the high end. Mature Vegetation malls exhibit fewer low value responses, and response frequencies increase across higher values. Associations of positive patronage response to landscaped
malls are not linear; responses to vegetated conditions exhibit a slight decline at the variables’ highest response levels but generally remain at higher frequencies than for the more barren streetscape.

Why is the relationship of landscape and patronage behavior important? Multiple parameters affect the revenue potential of a site. For instance, visit frequency and duration, and customer travel range, have implications. Respondents claimed greater travel times for a mall that is landscaped, suggesting an expanded travel range, have implications. Respondents also attributed social traits and characteristics of the in-store experience based on vegetation conditions. Judgments of products and merchants were more positive in heavily landscaped places as were inferences about product value, place perceptions, shopper patronage, and product pricing—guided a comprehensive measures approach that demonstrates the value of a green consumer environment. The product pricing results are often of greatest interest to merchant audiences, but other measures yield insights as to why shoppers may be willing to pay more for products in malls having better landscape quality.

Study images displayed a range of streetscape revisions. Public judgments of visual quality were most enhanced by the presence of trees and associated vegetation. Landscape influences obvious place qualities and provides cues of retail experiences for which there is no direct information. Although preference ratings were higher for landscaped settings, ratings of this study fell short of the highs in studies of central business districts (Wolf 2005), suggesting concerns about strip malls and reduced visual quality.

Positive judgments about maintenance and image were also associated with the presence of landscape, despite the scenario base images having the same levels of building care and site tidiness. Respondents also attributed social traits and characteristics of the in-store experience based on vegetation conditions. Judgments of products and merchants were more positive in heavily landscaped places as were inferences about product value, product quality, and merchant responsiveness.

Urban greening advocates are often challenged to demonstrate fiscal benefits from trees and other vegetation in urban settings. Responses on patronage variables relate directly to revenue potential, because they indicate a potentially expanded customer

would be available in a strip mall, representing product classes generally used by marketers: convenience, shopping, and specialty goods.

Respondents were asked to state the price they would be willing to pay for each of 15 items. Three index variables were constructed. Significant differences were found when comparing means (Table 3). Respondents reported lower values for goods in the No Vegetation mall. Price differences between scenarios are considerable: approximately 34% for convenience, 40% for shopping, and 23% for specialty goods. Analysis using weighted standardized scores across all products generated a more conservative 8.8% difference, a finding consistent with the 9% to 12% range found for central business districts (Wolf 2005). An “amenity margin” in pricing represents potential revenues that can offset landscape investment and management costs.

### Discussion

This and prior studies indicate that public response to retail landscapes extends from what is visually pleasing to implications for shopper actions. A four-concept framework—visual quality, place perceptions, shopper patronage, and product pricing—guided a comprehensive measures approach that demonstrates the value of a green consumer environment. The product pricing results are often of greatest interest to merchant audiences, but other measures yield insights as to why shoppers may be willing to pay more for products in malls having better landscape quality.

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**Table 2. Patronage variables—scenario comparisons.**

<table>
<thead>
<tr>
<th>Patronage variable</th>
<th>No Vegetation</th>
<th>Mature Vegetation</th>
<th>Scenarios</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time willing to travel to reach place?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pearson $\chi^2 = 11.310, P &lt; 0.004, Cramer’s $V = 0.271$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 10 min</td>
<td>55</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>10 to 20 min</td>
<td>41</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>More than 20 min</td>
<td>4</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>100%</td>
<td>n = 82</td>
</tr>
<tr>
<td>Distance willing to travel?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pearson $\chi^2 = 5.185, P &lt; 0.075, Cramer’s $V = 0.183$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 2 mi</td>
<td>40</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>2 to 5 mi</td>
<td>32</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>More than 5 mi</td>
<td>28</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>100%</td>
<td>n = 82</td>
</tr>
<tr>
<td>Time would spend during visit?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pearson $\chi^2 = 11.327, P &lt; 0.003, Cramer’s $V = 0.272$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 10 min</td>
<td>29</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>10 to 30 min</td>
<td>54</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>More than 30 min</td>
<td>17</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>100%</td>
<td>n = 81</td>
</tr>
<tr>
<td>Frequency or how often return?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pearson $\chi^2 = 17.664, P &lt; 0.000, Cramer’s $V = 0.354$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than once a month</td>
<td>54</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Once a week to once a month</td>
<td>33</td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>Once a week or more</td>
<td>13</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
<td>100%</td>
<td>n = 76</td>
</tr>
</tbody>
</table>

Response frequencies expressed as percentages.

**Table 3. Products pricing—scenario comparisons.**

<table>
<thead>
<tr>
<th>Index</th>
<th>No Vegetation [Mean (SD)]</th>
<th>Mature Vegetation [Mean (SD)]</th>
<th>Independent samples t-test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convenience</td>
<td>7.74 (3.23)</td>
<td>10.34 (4.10)</td>
<td>t = –3.840, P &lt; 0.000, df = 116</td>
</tr>
<tr>
<td>Shopping</td>
<td>37.88 (16.60)</td>
<td>52.96 (17.68)</td>
<td>t = –4.650, P &lt; 0.000, df = 110</td>
</tr>
<tr>
<td>Specialty</td>
<td>54.64 (26.25)</td>
<td>67.24 (24.58)</td>
<td>t = –2.220, P &lt; 0.03, df = 79</td>
</tr>
</tbody>
</table>

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Planning and Management

The constructed scenarios presented extreme vegetation conditions. It should not be assumed that there is a linear relationship between various landscape treatments and retail behavior. Nonetheless, the results of this study have implications for vegetation planning and management in urban streets and corridors.

Planting Spaces

Based on public preferences, the space allocations for vegetation should be reconsidered. Municipal and county code may require perimeter landscape, but the widths of the planting zones are usually inadequate. Narrow planting strips that limit the quantity and quality of soil cause plant stress and force plant-to-infrastructure conflicts such as heaved paving. Better site design may be able to achieve identical functional requirements (e.g., building footprint and parking) yet provide larger consolidated spaces more suited to plants.

Many local governments are promoting or requiring low-impact development practices to improve stormwater management. Low-impact development physical features (such as bioswales and rain gardens) can be designed and landscaped to serve multiple functions. Although they may be installed for water control purposes, their quality and character can also serve as a retail amenity.

Visibility and Vegetation Configuration

Reduced visibility of storefronts and signage resulting from vegetation is a major concern of merchants. The reduced ratings on wayfinding perceptions confirmed that customers are not as likely to see internal businesses if a mall is surrounded by trees. Two solutions are possible.

Large trees were associated with the highest visual ratings. Careful management and pruning for building views can enable greater street level visibility while sustaining the amenity values that big trees provide for shoppers. Merchants should understand the life cycle of trees in that young trees are short and sparse enabling storefront views followed by an interim period of growth that may limit visibility for several years. Later canopy raising and thinning of large trees by pruning is a better management strategy for visual quality enhancement than topping at sign levels or planting smaller trees whose mature canopy height is the same as business windows and signage.

Midrange visual responses offer a compromise in planting design. Larger, more upright vegetation can be planted intermittently to create a green "frame" to momentarily focus a driver’s eye. Presenting businesses and their products using vegetation frames may help drivers to more easily distinguish individual retailers within an unceasing stream of complex roadside stimulus and reduce visual distractions that can influence driver response and safety.

Signage Design

Signage may be the ultimate point of tension concerning tall vegetation and business visibility. Individual businesses typically have large signs above their storefronts, ideally visible from the road, and may have individual signs closer to the road. These signs are often placed at considerable cost.

CONCLUSIONS

The limited geographic application of this study and a low survey response rate may limit generalizability of the findings. Yet positive public response to city trees in the retail environment is consistent with multiple recent studies. Additional research would confirm the perceptual and behavioral relationships of nature and commerce. Trees and retail environment studies should be replicated in urban areas of other biogeographic zones, across various retail settings, across seasons, and target a broader array of human demographic groups. In situ data recording of pricing and behavior across retail vegetation conditions would address issues of survey self-reporting and nonresponse biases.

This study investigated consumer response in a prevalent retail setting. Small malls are ubiquitous in cities of many industrialized nations, are frequented by many shoppers, but may be held in disdain by some. They are the places where many small business dreams begin, then grow or fail. Communities are ever more interested in creating transportation corridors that support entrepreneurship but provide a better experience of place and environmental services. Results of this study indicate that the presence of trees and smaller plants positively influences public response to strip mall settings. Roadside landscape and
vegetation contributes to the environmental quality of the urban environment and retail vitality.

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Résumé. Les allées commerciales sont communes en milieu urbain, historiquement favorisées par les pratiques de zonage aux États-Unis qui consistent à concentrer le commerce de détail dans une étroite bande le long des grandes artères. Plus récemment, les communautés ont redéveloppé les allées commerciales en augmentant les aménagements paysagers afin de créer un milieu plus convivial. Cette étude vise à évaluer la réponse du public face à diverses options de paysages et de forêts urbaines. L’enquête a permis de décrire une variété d’allées le long des voies publiques et d’aménagements le long de ces dernières. Les résidants de trois villes majeures de la Côte Nord-ouest du Pacifique des États-Unis ont été questionnés sur leurs préférences et leurs perceptions concernant un concept autour de quatre éléments de base: la qualité visuelle, les perceptions face au commerce de détail, le comportement de la clientèle, les prix pour les biens et les services. Les répondants préféraient des allées paysagères et ont indiqué être prêts à payer jusqu’à 8,8% de plus pour les biens et services dans des allées commerciales bien aménagées. Des lignes directrices de gestion des allées commerciales sont proposées à partir des résultats de cette recherche.


Resumen. Los mini-malls son un uso común de los terrenos urbanos, históricamente promovido en los Estados Unidos en zonas que concentran desarrollo comercial al por menor en una banda estrecha a lo largo de calles arteriales y principales.

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Más recientemente, las comunidades están rediseñando las zonas con mini-malls, expandiendo plantaciones en el paisaje como biotecnología, e intentando crear un sentido de lugar. Este estudio evaluó la respuesta pública al bosque urbano y diferentes opciones paisajísticas. Los formularios descritos variaron los tratamientos del lado de la calle y la propiedad. Los residentes de tres ciudades principales en el Noroeste del Pacífico, U.S. fueron cuestionados para indicar sus preferencias y percepciones concernientes a una estructura de cuatro conceptos: calidad visual, percepciones de venta al detal, patrón de comportamiento y precios de bienes y servicios. Los cuestionados prefirieron los lados de las calles con paisajes y reportaron un comportamiento positivo tal como buena disposición a pagar 8.8% más por bienes y servicios en malls paisajísticos. El manejo de guías para las calles es propuesto con base en los resultados de la investigación.