DOWNTOWN GRENSBORO Streetscape Master Plan

























ACKNOWLEDGMENTS



CITY OF GREENSBORO

Adam Fischer, PE | Director, Department of Transportation Chris Spencer, PE | Engineering Division Manager Deniece Conway, PE | Engineering Supervisor Kym Smith | Public Meetings Coordinator Dee Brown | Office Administrator Jake Keys | Social Media Manager Amanda Lehmert | Social Media Specialist David Parrish | City Manager Nancy Vaughan | Mayor Yvonne Johnson | City Council Member Marikay Abuzuaiter | City Council Member Michelle Kennedy | City Council Member Sharon Hightower | City Council Member Goldie Wells | City Council Member Justin Outling | City Council Member Nancy Hoffman | City Council Member



DOWNTOWN GREENSBORO, INC.

Zack Matheny | President, CEO
Sherrie Simpson | Chief Financial Officer
Julia Roach | Director of Operations
Julia Strandberg | Events and Social Media Manager

Kim Norris | Office Administrator

Tammi Thurm | City Council Member



KIMLEY-HORN AND ASSOCIATES, INC.

Brandon White, PLA, ASLA | Associate & Project Manager Dan Greenberg, PLA | Landscape Architect

Fred Burchett | Professional Traffic Ops Engineer



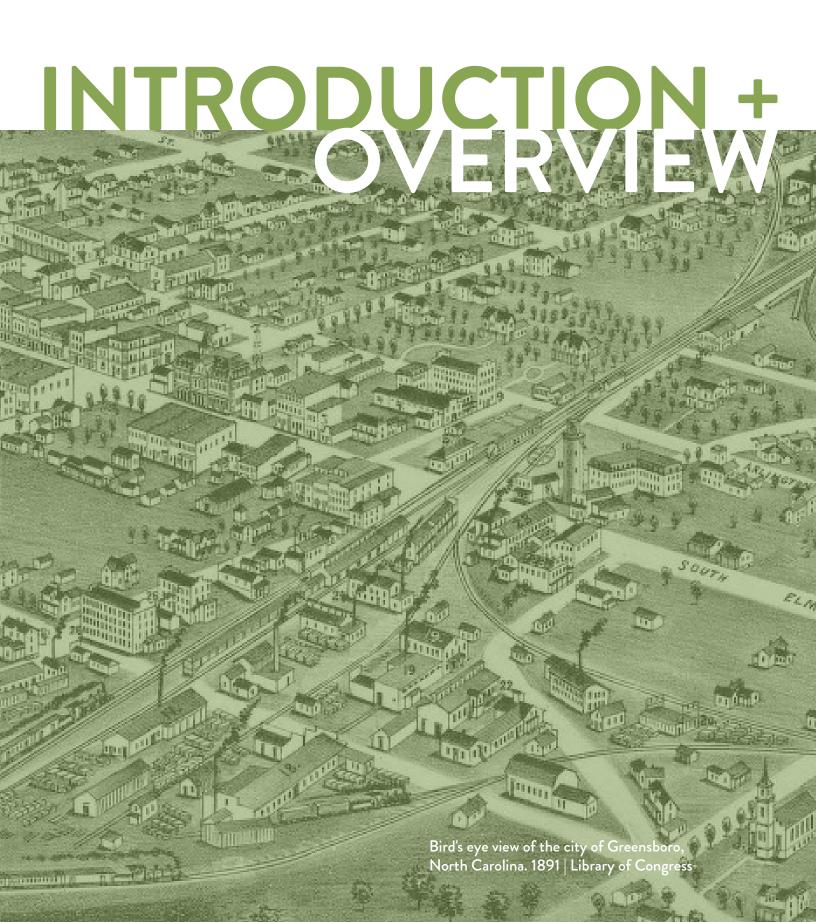
MIG, INC.

Mukul Malhotra | Principal Chris Beynon | Principal Phil Myrick | Director Rishi Dhody | Urban Designer Fiona Cahill | Urban Designer Kelsey Hubbard | Associate Logan Woodruff | Associate

TABLE OF CONTENTS

1	INTRODUCTION + OVERVIEW			Friendly Avenue 104		
	Project Overview	08		Eugene Street	108	
	Project Area	10		Lindsay Street	110	
	Project Goals	12		Washington Street	112	
	Past Planning Efforts	13		McGee Street	114	
	Project Process	14		Lewis Street	118	
	Document Overview	16		February One Place	122	
2	EXISTING CONDITIONS		6	DESIGN GUIDELINES		
	Historic Context	20		Roadways	128	
	Regional Context	22		Sidewalks + Landscaping	130	
	Assets	24		Street Furnishings	132	
	Challenges + Opportunities	36		Paving	133	
	Gridieriges - Opportunities	30		Signage	134	
3	VISION + FRAMEWORK			Public-Private Interface	135	
	Vision Statement	44	7			
	Vision Elements	46		STREETSCAPE ELEMENTS		
	Framework	48		Sidewalk Paving Treatments	139	
	Street Typologies	50		Vehicular Paving Treatments	140	
	Framework Elements	52		Streetscape Materials + Layout	141	
				Street Tree Treatments	142	
4	PRIMARY STREETS			Sidewalk Drains + Covers	144	
	South Elm Street	58		Pedestrian Facility Treatments	145	
	North Elm Street	64		Bike Facility Treatments	146	
	Davie Street	70		Site Furnishings	147	
	Church Street	78		Transit Furnishings	151	
	Market Street	86		Fence + Wall Treatments	152	
	Bellemeade Street	92		Digital Media	153	
5	ADDITIONAL STREETS					
	Greene Street	98				
	Battleground Avenue	100				
	Smith Street	102				





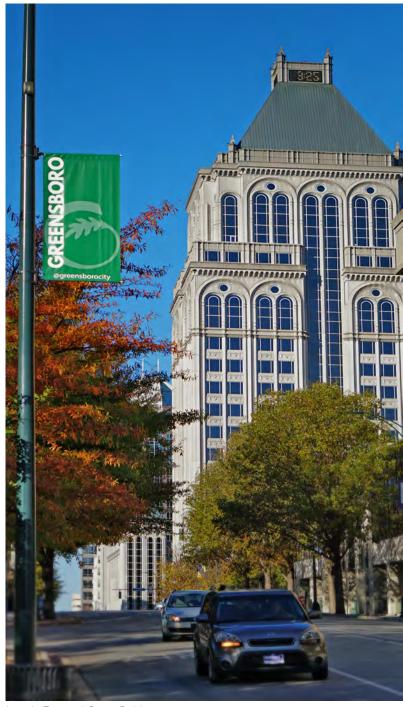
PROJECT OVERVIEW



The Downtown Greensboro Streetscape Master
Plan was made possible by a \$38.5 million
Community and Economic Development Bond,
with the goals of inducing redevelopment,
increasing employment and economic
development, and preserving older neighborhoods.
The funds will be used to buy, build, improve, or
otherwise equip urban revitalization and community
development projects.

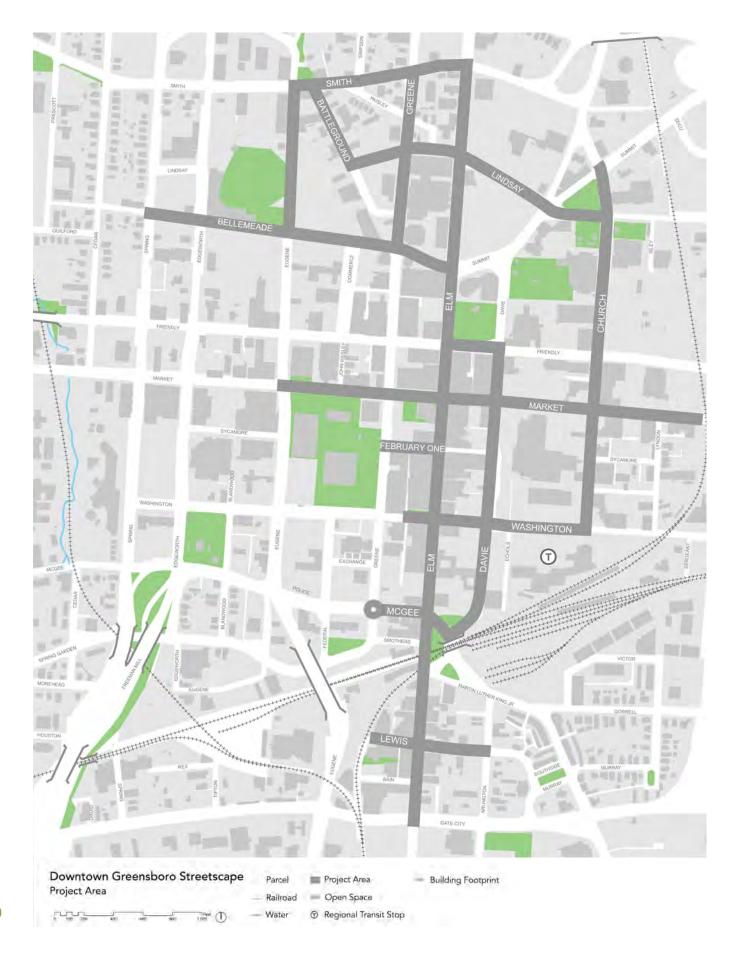
The first of these projects focuses on improvements to downtown streets, for which \$25 million of the funds from the Community and Economic Development Bond is dedicated. Streetscaping serves as critical infrastructure to improve the pedestrian experience, encourage walking and biking, reduce automobile traffic, and improve the quality of experience downtown. It creates places that people want to visit, while providing a cohesive framework for existing uses and promoting continued economic development.

The purpose of the Downtown Greensboro
Streetscape Master Plan is to create a cohesive
overarching streetscape framework to guide
development and improve the social, physical, and
economic well-being of the Downtown area.



Lincoln Financial Group Building

PROJECT AREA



Project Area Selection

The Streetscape Master Plan project area was determined in concert with the City of Greensboro and Downtown Greensboro, Inc. Street selection was based on a variety of factors, but primarily focused on current and potential economic impact. Supporting factors were also considered, such as popularity, connectivity, historic importance, and safety. Taken together with current and adjacent City of Greensboro projects, the central core of Downtown Greensboro is undergoing a significant transformation that will benefit from the streetscape vision and guidelines described herein.

Focusing on the streetscape framework and the way people interact and move around Downtown, five streets were identified as Primary Streets within the project area; each street was analyzed in depth for their existing character, general assets, challenges, opportunities, and overall vision. The following Primary Streets were identified:

Primary Streets

- Elm Street, extending north from Gate City
 Boulevard to Smith Street
- Davie Street, extending north from McGee
 Street to Friendly Avenue
- Church Street, extending north from Washington Street to Summit Avenue
- Market Street, extending east from Eugene Street to the railroad underpass at Murrow Boulevard
- Bellemeade Street, extending east from Spring Street to Elm Street

Additional Streets

While these Primary Streets are the focus of this plan, other streets are also important to the overall downtown streetscape network. Such streets are designated as Additional Streets and are reviewed for their complimentary function to the identified Primary Streets. The following streets were identified as Additional Streets:

- Greene Street
- Battleground Avenue
- Smith Street
- Friendly Avenue
- Eugene Street

- Lindsay Street
- Washington Street
- February One Place
- McGee Street
- Lewis Street

PROJECT GOALS



Triad Stage

Stakeholder meetings and community workshops were held to identify a holistic set of Project Goals for the Downtown Streetscape. The following goals were identified (listed in no particular order):

- Improve Safety and Comfort
- Encourage Walking and Biking
- Enhance Downtown's Identity
- Incorporate Art and Distinctive Design Elements
- Create a Clear Road Map for Phased Improvements
- Catalyze Economic Development
- Strengthen Existing Business
- Attract New Private Developments
- Attract New Residents
- Create Community and Stakeholder Ownership

PAST PLANNING EFFORTS

In recent decades, the planning efforts by the City of Greensboro and various civic groups, such as Downtown Greensboro, Inc. (DGI), have sought to guide the development of the downtown district. These initiatives sought to harness economic development opportunities, establish infrastructure and design standards, and preserve valuable historic and cultural assets. This project builds upon this rich history of planning that includes the following documents, among others:

- 2035 Long Range Transportation Plan (2013)
- · Downtown Area Consolidated Plan (2010)
- · Downtown Greensboro Design Manual (2010)
- · Action Plan for Greensboro's Public Art Program (2009)
- Greensboro Downtown Area Plans (1998-2008)
- Greensboro Urban Area Bicycle, Pedestrian & Greenway Master Plan (2006)
- · Connections 2025 Comprehensive Plan (2003)



February One Place

PROJECT PROCESS

January	February	March	June	September	
• Project Kick-off	• Downtown Leadership	• Community Forum #1	• Community Forum #2	Streetscape Corridor	
Data Gathering	Visioning Meetings	Streetscape Design	Streetscape Design	Master Plan	
	Visioning Charrette	Concept Meetings	Concept Meetings	Design Guidelines	



Visioning Charrette



Stakeholder meeting with merchants

The project kicked-off in January 2018 with a Downtown site tour and extensive analysis of the project area. Client team meetings were held, and a review of existing City traffic data was completed with the aim of best understanding the way in which the Downtown streetscape is currently functioning and where it can be improved. It was vital to the process to involve key community leaders as they are the ones who know and understand their City best. A Visioning Charrette with key stakeholders, community members and elected officials helped affirm the primary project goals and identify emerging streetscape opportunities.

Regular in-person meetings were held with
City Staff and local agencies to gain input and
help inform the planning process. Monthly
calls maintained a steady pace for the plan and
continuously kept everyone on the same page while
moving the plan forward. Stakeholder and Focus
Group Meetings with local businesses, residents,
property owners, artists and interest groups
curated a dynamic overall vision for the plan.
Collaboration with a diverse group of stakeholders
helped ensure that this streetscape plan is rooted
from a strong community vision and synergistic
foundation

Online surveys were utilized as a key resource to gain input from the community throughout the planning process. The first of two surveys opened in mid-March and asked respondents to submit their thoughts on a digital map, pinning precise locations and offering ideas on what works and what needs to be improved within the Downtown study area. Over 570 respondents participated in this interactive online survey, pinning nearly 3,500 individual ideas onto the map.

Following the opening of the first survey came the first community Open Houses and Community Design Charrette Workshops. These events allowed community members and stakeholders alike to come together and productively discuss and refine ideas. Attendees had the opportunity to imagine and create their own streetscapes by cutting and pasting different street section components together and creating their ideal future street cross section. Large wall posters of each of the Primary Streets were also displayed for attendees to vote on their favorite images of potential streetscape elements and comment on the overall design.

A second set of Open Houses and Community Workshops were held in June to further discuss and refine the emerging design concepts. Once these emerging concepts became more refined a second survey was opened to gain further public insight on these newly informed designs. Respondents were asked to pick their top priority streets out of the identified Primary Streets, voice their level of overall support and share their thoughts on the proposed streetscape improvements. Almost 300 people fully completed this second survey.



First set of Community Open Houses and Design Charrettes



Second set of Open Houses and Community Workshops

DOCUMENT OVERVIEW



Davie Street

Master Plan Contents

Chapter 2: Existing Conditions

An in-depth assessment of Downtown's existing conditions, from its rich history and context to current infrastructure such as pavement, drainage, and grading. Visual and sensory influences are also considered. Assets, challenges, and opportunities are identified to better understand the factors influencing Downtown Greensboro's streetscape.

Chapter 3: Vision and Framework

Illustrating the overarching vision and framework of the plan, this chapter discusses key driving aspects of the Greensboro streetscape such as gateways, placemaking nodes, and districts that will help inform the overall design. Street typologies are broken down into five different categories, each depicting different characteristics all within the Downtown streetscape.

Chapter 4: Primary Streets

The five Primary Streets: Elm Street, Davie Street, Church Street, Market Street, and Bellemeade Avenue, are closely analyzed for existing character, multi-modal mobility considerations, and potential future roles.

Chapter 5: Additional Streets

Ten Additional Streets: Greene Street,
Battleground Avenue, Smith Street, Friendly
Avenue, Eugene Street, Lindsay Street,
Washington Street, Lewis Street, McGee Street
and February One Place are all examined for
existing and potential future roles.

Chapter 6: Design Guidelines

This chapter outlines the design elements that will shape the character of Downtown Greensboro. These elements include: roadways, sidewalks and landscaping, signage, street furnishings, and the public-private interface. These design guidelines will be applied to the identified Primary and Additional Streets, helping dictate a design direction for future improvements.

Chapter 7: Streetscape Elements

An illustrated catalog of streetscape elements, including paving treatments, furnishings, and more.

Supporting Documents

Accompanying documents include a description of street improvement prioritization, supplemental meeting notes, survey results, rendered plan layouts, and exhibits from the planning process.



Community Workshop Meeting