

**River Bend Town Council
Work Session Minutes
October 10, 2024
Town Hall
7:00 p.m.**

Present Council Members: Mayor Pro Tempore Buddy Sheffield
Lisa Benton
Brian Leonard
Barbara Maurer
Jeff Weaver

Town Manager: Delane Jackson
Town Clerk: Kristie Nobles
Town Attorney: Trey Ferguson
Police Chief: Sean Joll
Finance Director: Mandy Gilbert

Members of the Public Present: 24

CALL TO ORDER

Mayor Pro Tempore Sheffield called the meeting to order at 7:00 p.m. on Thursday, October 10, 2024, at the River Bend Town Hall with a quorum present.

He held a moment of silence for the unexpected sudden passing of Mayor Kirkland.

VOTE – Approval of Agenda

Councilwoman Benton motioned to accept the agenda as presented. The motion carried unanimously.

VOTE— Office of Mayor Vacancy

The Manager stated that with the sudden passing of the Town Mayor, it leaves a vacancy for that position. He provided the schedule of filling the vacancy through appointment versus the election, stating that the election is less than a month away and would be over before the town could follow the town's process to fill the vacancy through town appointment.

Councilman Leonard motioned to leave the office of the mayor vacant until a new mayor is sworn into office following the election and to let the Mayor Pro Tem fill in for the mayor's duties until that time. The motion carried unanimously.

Discussion –Water Treatment Process

The Manager introduced Brandon Mills, Public Works Director, and stated he was there to answer questions from the Council. The Manager stated that Councilman Weaver requested to have the water treatment process on the agenda for discussion. Councilman Weaver stated that there have been several complaints regarding water quality from residents. He asked the Town Manager what the town is doing short-term to solve the discolored water. The Town Manager stated that there is not a quick, easy solution. The Manager then gave a description of how an aquifer works and the treatment process the town's water goes through before being distributed to resident's homes. He stated that Brandon and himself have met with contractors within the past month and are currently waiting on a quote to replace the Birm media. He stated that the contractor said that replacing the media may not solve the problem. The Manager stated that the North Carolina Department of Environmental Quality has provided system flushing recommendations and will be in town next week to do a walk through. Councilman Weaver

suggested that the town wait for the quotes before making any decisions. The Manager agreed. Councilman Weaver asked if there was a way to track complaints for water issues. The Manager stated that he would have something posted on the town website to collect complaints.

At this time, Mayor Pro Tem Sheffield called for a five-minute recess.

VOTE—WWTP Engineering Services Agreement Amendment

The Manager discussed the presented WWTP Engineering Services Agreement Amendment, which would scale back the original scope of service. The Manager stated that he was approached by a resident, who expressed concern with scaling back the scope and suggested that the town inquire about funding the original scope with a loan. The Manager stated that he has included some loan information in the packet if anyone wanted to discuss it. The Council agreed to scale back the project with the presented amendment.

Councilman Weaver motioned that the Council pursue a reduced scope of work for the WWTP project. The motion carried unanimously.

Councilman Weaver motioned to approve the WWTP Engineering Services Agreement Amendment as presented. The motion carried unanimously. (see attached)

VOTE - Chapter 3.05 – Boards and Commission Amendment

The Manager stated that the Council has discussed amending Chapter 3.05, Boards and Commissions and he has revised the amendment as the Council requested. He reviewed the requested changes.

Councilman Leonard motioned to adopt the language as presented. The motion carried unanimously. (see attached)

VOTE – Canebrake Traffic Control Device

The Manager stated that the River Bend Police Department completed a traffic survey on Canebrake Drive. He stated that the data from that survey reflects that the average speed for that area during the time of the survey is 9.3 mph. Councilman Leonard expressed gratitude to Sergeant Fell for completing this survey.

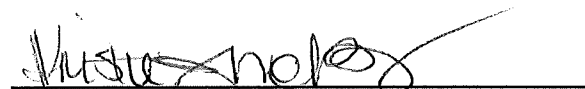
Councilman Leonard motioned to implement the recommendations of the Police Department as presented. The motion carried unanimously. (see attached)

REVIEW – Agenda for the October 17, 2024, Council Meeting

The Council reviewed the agenda for the October 17, 2024, Council Meeting.

ADJOURNMENT/RECESS

There being no further business, *Councilman Leonard moved to adjourn. The motion carried unanimously.* The meeting was adjourned at 9:15 p.m.



Kristie J. Nobles, MMC, NCCMC
Town Clerk



ENGINEERS

PLANNERS

SURVEYORS

LANDSCAPE ARCHITECTS

October 1, 2024

Mr. Delane Jackson, Town Manager
Town of River Bend
45 Shoreline Drive
River Bend, North Carolina 28562

SUBJECT: WWTP Enhancements
Phase 1 Value Engineering Re-design
Engineering Amendment No. 2

Dear Delane:

Pursuant to the Town's request, attached is Engineering Amendment No. 2 for the WWTP Enhancements project. This Amendment is for services required to re-design the Value Engineered solution as Phase 1 of the proposed WWTP improvements.

Phase 1 will incorporate a new concentric ring Treatment Unit (TU) #1 to replace the existing TU #1. The new TU #1 will be equivalent in size to the existing TU #2. TU #2 will be rehabilitated and re-partitioned such that treatment capacity is equally shared between both Treatment Units creating true duality. Most of the structures originally planned in the wetland areas will be postponed until a future phase of construction. The Influent Flow Meter/Vault, Preliminary Treatment Unit, rehabilitated Surge Tank/Surge Dosing Pumps, Chlorine Feed Building and rehabilitated Dechlorination Feed Building will remain as part of the Phase 1 project.

The modified scope of services and fees of Amendment No. 2 include Re-design; Geotechnical, Wetland and Construction Permitting; Bidding/Negotiation; Construction Administration; and Resident Project Representation Services.

If everything appears in order, please place this item on the agenda for the next Town Council meeting for approval.

Should you have any questions, please feel free to call.

With best regards,

A handwritten signature in blue ink, appearing to read "Greg", is written over a faint circular stamp.

Gregory J. Churchill, P.E.
President

Cc: File

Encls.

This is EXHIBIT K, consisting of 2 pages, referred to in and part of the Agreement between Owner and Engineer for Professional Services dated November 10, 2022.

AMENDMENT TO OWNER-ENGINEER AGREEMENT
Amendment No. 2

The Effective Date of this Amendment is: September 30, 2024.

Background Data

Effective Date of Owner-Engineer Agreement: November 10, 2022

Owner: Town of River Bend

Engineer: Rivers & Associates, Inc.

Project: WWTP Enhancements

Nature of Amendment: [Check those that are applicable and delete those that are inapplicable.]

Additional Services to be performed by Engineer

- Modifications to services of Engineer
- Modifications to responsibilities of Owner
- Modifications of payment to Engineer
- Modifications to time(s) for rendering services
- Modifications to other terms and conditions of the Agreement

Description of Modifications:

The WWTP Enhancements project will be re-designed to include the Value Engineered solution as Phase 1 of the proposed improvements. Phase 1 improvements will include rehabilitation and enhancement to provide increased service life, but does not increase capacity or enhance treatment capability at this juncture. Phase 1 will incorporate a new concentric ring Treatment Unit (TU) #1 to replace the existing TU #1. The new TU #1 will be of equivalent size to the existing TU #2. Treatment Unit #2 will be rehabilitated and re-partitioned such that treatment capacity is equally shared between both Treatment Units creating true duality. The new and rehabilitated Treatment Units will each include an integral aeration zone, clarifier, chlorine contact chamber and aerobic digester. Phase 1 will maintain the previously designed Influent Flow Meter/Vault, Preliminary Treatment Unit, rehabilitated Surge Tank/Surge Dosing Pumps, Chlorine Feed Building, and rehabilitated Dechlorination Feed Building. All other previously designed equipment will be excluded from Phase 1 construction. Civil, structural and electrical designs will be modified as required to accommodate the revisions. Refer to Exhibit J – Special

Provisions (Amendment 2), Appendix 2 to Exhibit C – Standard Hourly Rates Schedule (Amendment 2), and Appendix 3 to Exhibit C – Summary of Engineering Fees (Amendment 2) for further descriptions.

Services to be provided for Phase 1 include:

<u>Engineering Services</u>	<u>Cost</u>	<u>Payment Method</u>	<u>Estimated Time to Complete</u>
Phase 1 VE Re-design	\$118,500.00	Lump Sum	3 months
Phase 1 VE – Geotechnical, Wetland & Construction Permitting	\$16,500	Hourly plus Reimbursables	3 months in parallel with Re-design
Phase 1 VE Bidding or Negotiating	\$33,500.00	Hourly plus Reimbursables	3 months
Construction Administration Phase	\$190,000.00 \$199,000.00	Hourly plus Reimbursables	15 months
Resident Project Representative Services	\$260,000.00 \$273,000.00	Hourly plus Reimbursables	15 months

Agreement Summary:

Original agreement amount:	\$ <u>639,000.00</u>
Net change for prior amendments:	\$ <u>22,000.00</u>
This amendment amount:	\$ <u>190,500.00</u>
Adjusted Agreement amount:	\$ <u>851,500.00</u>

Change in time for services (days or date, as applicable): 12 months

The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect.

OWNER:

Town of River Bend

By:
Print

name: Buddy Sheffield

Title: Mayor Pro Tempore

Date Signed: Oct. 17, 2024

ENGINEER:

Rivers & Associates, Inc.

By:
Print

name: Gregory J. Churchill, P.E.

Title: President

Date Signed: 10-1-24

This instrument has been
preaudited as required by the
Local Government Budget and
Fiscal Control Act.

Amanda B Gilbert
FINANCE OFFICER 10/18/24

This is **EXHIBIT J**, consisting of 1 page, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated November 10, 2022.

Special Provisions (Amendment 2)

In order to reduce overall construction costs, the WWTP Enhancements project will be re-designed to include the Value Engineered solution as Phase 1 of the proposed improvements. Phase 1 improvements will include rehabilitation and enhancement to provide increased service life, but does not increase capacity or enhance treatment capability at this juncture.

Phase 1 will incorporate a new concentric ring Treatment Unit (TU) #1 to replace the existing TU #1. The new TU #1 will be of equivalent size to the existing TU #2. Treatment Unit #2 will be rehabilitated and re-partitioned such that treatment capacity is equally shared between both Treatment Units creating true duality. The new and rehabilitated Treatment Units will each include an integral aeration zone, clarifier, chlorine contact chamber and aerobic digester.

Phase 1 will maintain the previously designed Influent Flow Meter/Vault, Preliminary Treatment Unit, rehabilitated Surge Tank/Surge Dosing Pumps, Chlorine Feed Building, and rehabilitated Dechlorination Feed Building. All other previously designed equipment will be excluded from Phase 1 construction. Civil, structural and electrical designs will be modified as required to accommodate the revisions.

Basic services for Re-design include preparation of revised computations, design memorandum, construction plans, and specifications, etc. Re-design services will be performed in accordance with Exhibit A Article A1.03 of the Engineering Services Agreement. Basic services will be provided on a lump sum basis in the amount of \$118,500.00 in accordance with Exhibit C Article C2.01. The period of service to accomplish the Phase 1 Re-design services is estimated to be 3 months.

Basic services associated with subsequent bidding and construction phases include (1) Phase 1 Bidding or Negotiating, (2) Construction Administration, and (3) Resident Project Representative (RPR) Services. The previously designed and permitted WWTP Enhancements project was advertised for bid twice, but no award was made. The Phase 1 Re-design and re-permitted project will require additional Bidding or Negotiation phase services. These services will be performed in accordance with Exhibit A Article A1.04 of the Engineering Services Agreement. Phase 1 VE – Bidding or Negotiating services will be performed on an hourly plus reimbursables basis estimated at \$33,500.00 in accordance with Exhibit C Article C2.01. The estimated period of service for bidding or negotiating is 3 months following advertisement of the project for bids. Construction Administration and RPR services will also be required. The previously estimated fees for these services have been revised based on current billing rates. Construction Administration and RPR services will be performed in accordance with Exhibit A Article A1.05 of the Engineering Services Agreement. Construction Administration services will be provided on an hourly plus reimbursables basis estimated at \$199,000.00 in accordance with Exhibit C Article C2.01. RPR services will be performed on an hourly plus reimbursables basis estimated at \$273,000.00 in accordance with Exhibit C – Compensation Packet RPR-2. The period of service for provision of construction administration and RPR services is estimated to be 15 months.

Additional services associated with Phase 1 Re-design will include (1) geotechnical evaluation, (2) wetland delineation and (3) re-permitting only as required. Subsurface geotechnical borings, evaluation and recommendations will be provided relative to site preparation and foundation support beneath the new TU #1. Wetlands delineation will be conducted in the area located immediately to the southwest of the existing TU #1 to ensure construction and fill does not encroach into existing wetlands. Verification by the US Army Corps of Engineers will not be sought if no fill will encroach in wetland areas. Setback waivers from surface waters will be addressed in similar manner to that provided in the previous NPDES Authorization to Construct (ATC) Permit. Re-permitting will be required for (1) NPDES ATC and (2) NCDEQ Division of Water Infrastructure (DWI) Plans and Specifications Funding Approval. Other permits previously obtained (NC DEMLR Erosion & Sedimentation Control, NC DEMLR Stormwater Permit, and NC DEMLR General Discharge Permit) are believed to remain valid as disturbed area will be reduced, and construction will be confined within the previous Limits of Disturbance (LOD). Additional services for Phase 1 VE – Geotechnical, Wetland and Construction Permitting will be performed on an hourly plus reimbursables basis estimated at \$16,500.00 in accordance with Exhibit C – Compensation Packet AS-1. Geotechnical and Wetland sub-consulting services will be conducted in parallel with Re-design. The period of service estimated to obtain required permits is 3 months following applications submittal. All additional services are provided in accordance with Exhibit A Article A2.01 of the Engineering Services Agreement.

Appendix 2 to Exhibit C - Current Standard Rates Schedule (Amendment 2) is attached.

Appendix 3 to EXHIBIT C- Summary of Engineering Fees (Amendment 2) is attached.

This is **Appendix 2** to **EXHIBIT C**, consisting of 1 Page, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated November 10, 2022.

Standard Hourly Rates Schedule (Amendment 2)

A. *Standard Hourly Rates:*

1. Standard Hourly Rates are set forth in this Appendix 2 to this Exhibit C and include salaries and wages paid to personnel in each billing class plus the cost of customary and statutory benefits, general and administrative overhead, non-project operating costs, and operating margin or profit.
2. The Standard Hourly Rates apply only as specified in Article C2, **and are subject to annual review and adjustment as of June 30th.**

B. *Schedule of Hourly Rates:*

Hourly rates for services performed on or after the Effective Date are:

<u>EMPLOYEE CLASSIFICATION:</u>	<u>HOURLY RATES:</u>
Principal	\$195.00
Project Manager	\$140.00 to \$190.00
Project Engineer	\$115.00 to \$175.00
Design Engineer	\$90.00 to \$110.00
Landscape Architect	\$90.00 to \$140.00
Planner	\$75.00 to \$100.00
Designer	\$85.00 to \$130.00
CAD Technician	\$70.00 to \$80.00
Project Surveyor	\$95.00 to \$140.00
Party Chief	\$60.00 to \$115.00
Surveyor Technician	\$50.00 to \$70.00
1-Man Robotic	\$105.00 to \$140.00
Resident Project Representative	\$65.00 to \$110.00
Administrative Assistant	\$65.00 to \$80.00
Field Tech	\$70.00
Intern Tech	\$40.00
Sub-Consultants and Fees	1.15 x Cost
Travel	Current IRS Rate
Miscellaneous Expense	Cost

This is **Appendix 3 to EXHIBIT C**, consisting of 1 page, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated November 10, 2022.

Summary of Engineering Fees (Amendment 2)

C2.01.1 Compensation for Basic Services (other than Resident Project Representative) - Lump Sum Method of Payment

A.1.a.	Study and Report Phase	<u>\$20,000.00</u>
A.1.b.	Preliminary and Final Design Phase	<u>\$88,000.00</u>
A.1.g.	Phase 1 Value Engineering (VE) Re-design	<u>\$118,500.00</u>

C2.01.2 Compensation for Basic Services (other than Resident Project Representative) – Standard Hourly Rates Method of Payment

A.4.d.	Bidding or Negotiating Phase	<u>\$32,000.00</u>
A.4.e.	Construction Administration Phase	<u>\$199,000.00</u>

C2.04 Compensation for Resident Project Representative Basic Services – Standard Hourly Rates Method of Payment

A.1.	Resident Project Representative Services	<u>\$273,000.00</u>
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C2.05 Compensation for Additional Services – Standard Hourly Rates Method of Payment

D.1.	Environmental, Wetland and Construction Permitting	<u>\$19,000.00</u>
D.2.	Additional Boundary and Topographic Surveys	<u>\$13,000.00</u>
D.3.	Record Drawings	<u>\$17,000.00</u>
D.4.	Value Engineering (VE)	<u>\$22,000.00</u>
D.5.	Phase 1 VE - Geotechnical, Wetland and Construction Permitting	<u>\$16,500.00</u>
D.6.	Phase 1 VE - Bidding or Negotiating Phase	<u>\$33,500.00</u>

C2.01.1 through C2.05 TOTAL \$851,500.00



ENGINEERS

PLANNERS

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LANDSCAPE ARCHITECTS

**Re-design Value Engineered Solution to WWTP Enhancements Project
Town of River Bend
September 8, 2024**

Start Date	End Date	Task
8/1/2024	9/1/2024	1 month - Amendment to ESA
9/1/2024	1/1/2025	4 months - Re-design, Wetlands Delineation, Geotechnical Investigation
1/1/2025	4/1/2025	3 months - Permitting
4/1/2025	7/1/2025	3 months - Bidding/Re-bidding Timeframe
7/1/2025	9/30/2026	15 months (456 calendar days) - Contract Timeframe
9/30/2026	12/31/2026	3 months - Extra Construction/Submit Reimbursement/Closeout Paperwork

AN ORDINANCE TO AMEND THE CODE OF ORDINANCES OF THE TOWN OF RIVER BEND

BE IT ORDAINED by the Town Council of the Town of River Bend that the Town Code of Ordinances, Title III, Administration, Chapter 3.05, Board and Commissions, be amended as follows:

PARKS AND RECREATION ADVISORY BOARD

§ 3.05.001 ESTABLISHMENT.

A Parks and Recreation Advisory Board (the Board) is hereby created and established.

§ 3.05.002 PURPOSE.

The purpose of the Board is to advise the Town Council (Council) and Manager on parks and recreation issues to include, but not be limited to, town parks and recreation areas, safety matters in town parks and recreation areas, and recreational activities in town parks and recreation areas. The Board shall work on other issues assigned by the Council or Manager

§ 3.05.003 POWERS AND DUTIES.

The Board shall report to the Town Council and shall have the following powers and duties:

- (A) At the direction of the Council and/or Manager, conduct studies and make recommendations on matters relating to parks and recreation issues.
- (B) At their request, assist the Council and/or Manager in the resolution of complaints and concerns registered by the town's citizens, governmental agencies, or other entities.
- (C) All Board reports, recommendations, or requests for actions shall be coordinated, when appropriate, with other town boards working through the Manager and Council.
- (D) Because the Board is advisory in purpose, no Board member shall make, or have the authority to make, any contractual or financial obligations or arrangements on behalf of, or for, the town.
- (E) The Board, at its discretion and operating within its budget, may organize and administer Council and/or Manager approved parks and recreational activities and events to serve the residents of River Bend. The Board may be asked to organize special events or activities by the Council and/or Manager.

§ 3.05.004 COMPOSITION AND TERMS OF OFFICE.

- (A) There shall be seven (7) members of the Board, to be appointed by the Council for 2-year staggered terms. All members shall serve without compensation. The terms of office shall commence on July 1 and end on June 30, 2 years later, unless appointed to fill a vacancy, in which the term would begin immediately and end when the term was scheduled to end.
- (B) All members shall be residents of the town.

§ 3.05.005 ORGANIZATION AND PROCEDURES.

- (A) At the first regular meeting each year following June 30, the Board shall elect a Chair, Vice Chair and a Secretary. The Secretary need not be a member of the Board. The name and contact information for each officer shall be immediately forwarded to the Town Clerk. Any subsequent change in officers shall also be forwarded to the Town Clerk.
- (B) The Board shall set a date (Ex: 2nd Thursday of each month), time and place to conduct its regular meeting. The schedule of regular meetings for the Board shall be maintained in the Office of Town Clerk.
- (C) The Board shall hold a minimum of 4 scheduled meetings per year. Special meetings may be called by Chair, the Manager, or 2 members of the Board. All meetings of the Board shall be conducted in a public, accessible place. All official meetings of the Board shall be held in a town-owned building or on the town's campus. All meetings shall be open to the public, shall be conducted under the rules of order established by Council, and shall be in accordance with state laws, in particular, the Open Meetings Law. A written agenda shall be prepared and distributed to all Board members and the Liaison at least 48 hours prior to all meetings. Copies of the agenda shall be available to the public at all meetings. A written record of minutes of each meeting shall be kept by the Secretary or, in their absence, a designated person and shall include information on attendance, findings, recommendations, and actions taken by the Board. A draft copy of the minutes shall be provided to the Town Clerk within 10 business days of the meeting. At the next regular meeting of the Board, the draft minutes shall be presented to the Board for official acceptance. Within 10 days of adoption by the Board, a signed copy of the minutes shall be provided to the Town Clerk for retention. In accordance with applicable law, minutes of Board meetings are public record. Board minutes shall be posted on the Town's web page in a manner consistent with the process of posting Town Council minutes.
- (D) A quorum, comprised of more than half the current membership, shall be present at the meeting to take any official action required or authorized by this subchapter. Only appointed Board members are eligible to vote. The Chair is eligible to vote on all matters.
- (E) The Board may adopt by-laws, rules, and other procedures not inconsistent with the town's ordinances and laws of North Carolina, with approval by the Town Manager.
- (F) Pursuant to G.S. § 160D-109, members of appointed boards providing advice to the Town Council shall not vote on recommendations regarding any zoning map or text amendment where the outcome of the matter being considered is reasonably likely to have a direct, substantial, and readily identifiable financial impact on the member.
- (G) Any official recommendation, arising out of the Board, shall be submitted in writing to the Town Council through the Board's liaison or the Town Manager.
- (H) Board activities, events, functions (not to include official Board meetings) may be held at non-town owned property or facilities, with the written consent of the property owner, provided that the activity does not conflict with any other provision of the Town's Code of Ordinances.

ENVIRONMENT AND WATERWAYS ADVISORY BOARD

§ 3.05.015 ESTABLISHMENT.

An Environment and Waterways Advisory Board (the Board) is hereby created and established.

§ 3.05.016 PURPOSE.

The purpose of the Board is to advise the Town Council (Council) and Manager on environmental and waterways issues and to provide recommendations on waterways and environmental issues or concerns relating to use, preservation, conservation and protection of such resources within the town. The Board shall work on other issues assigned by the Council or Manager.

§ 3.05.017 POWERS AND DUTIES.

The Board shall report to the Town Council and shall have the following powers and duties:

- (A) At the direction of the Council and/or Manager, conduct studies and make recommendations on matters relating to environmental and waterway issues.
- (B) At their request, assist the Council and/or Manager in the resolution of complaints and concerns registered by the town's citizens, governmental agencies, or other entities.
- (C) All Board reports, recommendations, or requests for actions shall be coordinated, when appropriate, with other town boards working through the Manager and Council.
- (D) Because the Board is advisory in purpose, no Board member shall make, or have the authority to make, any contractual or financial obligations or arrangements on behalf of, or for, the town.
- (E) The Board, at its discretion and operating within its budget, may organize and administer Council and/or Manager approved projects related to environmental and waterway activities and events to serve the residents of River Bend. The Board may be asked to organize special events or activities by the Council and/or Manager.
- (F) To engage in activities to further public education and understanding of the importance of waterways and the environment to the community, and voluntary means by which these resources may be protected.

§ 3.05.018 COMPOSITION AND TERMS OF OFFICE.

- (A) There shall be seven (7) members of the Board, to be appointed by the Council for 2-year staggered terms. All members shall serve without compensation. The terms of office shall commence on July 1 and end on June 30, 2 years later, unless appointed to fill a vacancy, in which the term would begin immediately and end when the term was scheduled to end.
- (B) All members shall be residents of the town.

§ 3.05.019 ORGANIZATION AND PROCEDURES.

- (A) At the first regular meeting each year following June 30, the Board shall elect a Chair, Vice Chair and a Secretary. The Secretary need not be a member of the Board. The name and contact information for each officer shall be immediately forwarded to the Town Clerk. Any subsequent change in officers shall also be forwarded to the Town Clerk.
- (B) The Board shall set a date (Ex: 2nd Thursday of each month), time and place to conduct its regular meeting. The schedule of regular meetings for the Board shall be maintained in the Office of Town Clerk.

- (C) The Board shall hold a minimum of 4 scheduled meetings per year. Special meetings may be called by Chair, the Manager, or 2 members of the Board. All meetings of the Board shall be conducted in a public, accessible place. All official meetings of the Board shall be held in a town-owned building or on the town's campus. All meetings shall be open to the public, shall be conducted under the rules of order established by Council, and shall be in accordance with state laws, in particular, the Open Meetings Law. A written agenda shall be prepared and distributed to all Board members and the Liaison at least 48 hours prior to all meetings. Copies of the agenda shall be available to the public at all meetings. A written record of minutes of each meeting shall be kept by the Secretary or, in their absence, a designated person and shall include information on attendance, findings, recommendations, and actions taken by the Board. A draft copy of the minutes shall be provided to the Town Clerk within 10 business days of the meeting. At the next regular meeting of the Board, the draft minutes shall be presented to the Board for official acceptance. Within 10 days of adoption by the Board, a signed copy of the minutes shall be provided to the Town Clerk for retention. In accordance with applicable law, minutes of Board meetings are public record. Board minutes shall be posted on the Town's web page in a manner consistent with the process of posting Town Council minutes.
- (D) A quorum, comprised of more than half the current membership, shall be present at the meeting to take any official action required or authorized by this subchapter. Only appointed Board members are eligible to vote. The Chair is eligible to vote on all matters.
- (E) The Board may adopt by-laws, rules, and other procedures not inconsistent with the town's ordinances and laws of North Carolina, with approval by the Town Manager.
- (F) Pursuant to G.S. § 160D-109, members of appointed boards providing advice to the Town Council shall not vote on recommendations regarding any zoning map or text amendment where the outcome of the matter being considered is reasonably likely to have a direct, substantial, and readily identifiable financial impact on the member.
- (G) Any official recommendation, arising out of the Board, shall be submitted in writing to the Town Council through the Board's liaison or the Town Manager.
- (H) Board activities, events, functions (not to include official Board meetings) may be held at non-town owned property or facilities, with the written consent of the property owner, provided that the activity does not conflict with any other provision of the Town's Code of Ordinances.

PLANNING BOARD

§ 3.05.035 ESTABLISHMENT.

A Planning Board (the Board) is hereby created and established.

§ 3.05.036 PURPOSE.

The purpose of the Board is to advise the Town Council (Council) and Manager on planning and zoning issues to include, but not be limited to, establishment or revision of districts, regulation and restriction of the erection, construction, reconstruction, alteration, repair or use of buildings, structures or land in accordance with G.S. § 160D-109. The Board shall work on other issues assigned by the Council or Manager.

§ 3.05.037 POWERS AND DUTIES.

Pursuant to G.S. § 160D-109, the Board shall report to the Town Council and shall have the following powers and duties:

- (A) At the direction of the Council and/or Manager, conduct studies and make recommendations on matters relating to planning and zoning issues.
- (B) At their request, assist the Council and/or Manager in the resolution of complaints and concerns registered by the town's citizens, governmental agencies, or other entities.
- (C) All Board reports, recommendations, or requests for actions shall be coordinated, when appropriate, with other town boards working through the Manager and Council.
- (D) Because the Board is advisory in purpose, no Board member shall make, or have the authority to make, any contractual or financial obligations or arrangements on behalf of, or for, the town.

§ 3.05.038 COMPOSITION AND TERMS OF OFFICE.

- (A) There shall be seven (7) members of the Board, six (6) being appointed by the Council for 2-year staggered terms. The seventh member shall be a citizen living in the town's extraterritorial jurisdiction (ETJ) and shall be appointed by the Craven County Commissioners in accordance with G.S. § 160D-109. All members shall serve without compensation. The terms of office shall commence on July 1 and end on June 30, 2 years later, unless appointed to fill a vacancy, in which the term would begin immediately and end when the term was scheduled to end.
- (B) All town-appointed members shall be residents of the town.
- (C) Only the Craven County Commissioners have the authority to remove the ETJ member from the Board. Any ETJ vacancy shall be filled by the Commissioners.
- (D) All members of the Board shall have equal rights, privileges and duties with regards to all matters within the town's planning and zoning jurisdiction.

§ 3.05.039 ORGANIZATION AND PROCEDURES.

- (A) At the first regular meeting each year following June 30, the Board shall elect a Chair, Vice Chair and a Secretary. The Secretary need not be a member of the Board. The name and contact information for each officer shall be immediately forwarded to the Town Clerk. Any subsequent change in officers shall also be forwarded to the Town Clerk.
- (B) The Board shall set a date (Ex: 2nd Thursday of each month), time and place to conduct its regular meeting. The schedule of regular meetings for the Board shall be maintained in the Office of Town Clerk.
- (C) The Board shall hold a minimum of 4 scheduled meetings per year. Special meetings may be called by Chair, the Manager, or 2 members of the Board. All meetings of the Board shall be conducted in a public, accessible place. All official meetings of the Board shall be held in a town-owned building or on the town's campus. All meetings shall be open to the public, shall be conducted under the rules of order established by Council, and shall be in accordance with state laws, in particular, the Open Meetings Law. A written agenda shall be prepared and distributed to all Board members and the Liaison at least 48 hours prior to all meetings. Copies of the agenda shall be available to the public at all meetings. A written record of minutes of each

meeting shall be kept by the Secretary or, in their absentee, a designated person and shall include information on attendance, findings, recommendations, and actions taken by the Board. A draft copy of the minutes shall be provided to the Town Clerk within 10 business days of the meeting. At the next regular meeting of the Board, the draft minutes shall be presented to the Board for official acceptance. Within 10 days of adoption by the Board, a signed copy of the minutes shall be provided to the Town Clerk for retention. In accordance with applicable law, minutes of Board meetings are public record. Board minutes shall be posted on the Town's web page in a manner consistent with the process of posting Town Council minutes.

- (D) A quorum, comprised of more than half the current membership, shall be present at the meeting to take any official action required or authorized by this subchapter. Only appointed Board members are eligible to vote. The Chair is eligible to vote on all matters.
- (E) The Board may adopt by-laws, rules, and other procedures not inconsistent with the town's ordinances and laws of North Carolina, with approval by the Town Manager.
- (F) Pursuant to G.S. § 160D-109, members of appointed boards providing advice to the Town Council shall not vote on recommendations regarding any zoning map or text amendment where the outcome of the matter being considered is reasonably likely to have a direct, substantial, and readily identifiable financial impact on the member.
- (G) Any official recommendation, arising out of the Board, shall be submitted in writing to the Town Council through the Board's liaison or the Town Manager.
- (H) Board activities, events, functions (not to include official Board meetings) may be held at non-town owned property or facilities, with the written consent of the property owner, provided that the activity does not conflict with any other provision of the Town's Code of Ordinances.

COMMUNITY APPEARANCE COMMISSION

§ 3.05.055 ESTABLISHMENT.

A Community Appearance Commission (herein after, the Board) is hereby created and established.

§ 3.05.056 PURPOSE.

The purpose of the Board is to advise the Town Council (Council) and Manager on community appearance issues to include, but not be limited to, enhancing the appearance of the town, making recommendations for planting of trees, shrubs or other planting materials on town owned property including town right-of-ways, and any other matter that affects the overall appearance of the town. The Board shall work on other issues assigned by the Council or Manager.

§ 3.05.057 POWERS AND DUTIES.

The Board shall report to the Town Council and shall have the following powers and duties:

- (A) At the direction of the Council and/or Manager, conduct studies and make recommendations on matters relating to community appearance issues.
- (B) At the request of the Council and Manager, assist in the resolution of complaints and concerns registered by the town's citizens, governmental agencies, or other entities.

- (C) All Board reports, recommendations, or requests for actions shall be coordinated, when appropriate, with other town boards working through the Manager and Council.
- (D) Because the Board is advisory in purpose, no Board member shall make, or have the authority to make, any contractual or financial obligations or arrangements on behalf of, or for, the town.
- (E) The Board, at its discretion and operating within its budget, may organize and implement Council and/or Manager approved projects related to community appearance. The Board may be asked to conduct special projects or activities by the Council and/or Manager.

§ 3.05.058 COMPOSITION AND TERMS OF OFFICE.

- (A) There shall be seven (7) members of the Board, to be appointed by the Council for 2-year staggered terms. All members shall serve without compensation. The terms of office shall commence on July 1 and end on June 30, 2 years later, unless appointed to fill a vacancy, in which the term would begin immediately and end when the term was scheduled to end.
- (B) All members shall be residents of the town.

§ 3.05.059 ORGANIZATION AND PROCEDURES.

- (A) At the first regular meeting each year following June 30, the Board shall elect a Chair, Vice Chair and a Secretary. The Secretary need not be a member of the Board. The name and contact information for each officer shall be immediately forwarded to the Town Clerk. Any subsequent change in officers shall also be forwarded to the Town Clerk.
- (B) The Board shall set a date (Ex: 2nd Thursday of each month), time and place to conduct its regular meeting. The schedule of regular meetings for the Board shall be maintained in the Office of Town Clerk.
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- (E) The Board may adopt by-laws, rules, and other procedures not inconsistent with the town's ordinances and laws of North Carolina, with approval by the Town Manager.
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- (G) Any official recommendation, arising out of the Board, shall be submitted in writing to the Town Council through the Board's liaison or the Town Manager.
- (H) Board activities, events, functions (not to include official Board meetings) may be held at non-town owned property or facilities, with the written consent of the property owner, provided that the activity does not conflict with any other provision of the Town's Code of Ordinances.

§ 3.05.070 APPOINTMENT/REMOVAL TO BOARD

- (A) No appointment to fill a vacancy on an Advisory Board shall be made until the vacancy has been advertised for at least 2 weeks. Applicants are encouraged to attend the Council meeting where their consideration of appointment is scheduled, whereby they will be introduced to the Council.
- (B) The following application procedure shall be followed by all applicants:
 - (1) Any person interested in appointment to an Advisory Board shall complete and submit an Advisory Board Application.
 - (2) Before being considered for appointment, an applicant must have attended at least 1 meeting of the Advisory Board they request to be appointed to.
 - (3) All applications for appointment will be reviewed by the Advisory Board. The Advisory Board shall consider all applicants and submit a recommendation for appointment to the Town Council.
 - (4) The Advisory Board Liaison shall submit the appointment recommendation to the Town Council.
- (C) Advisory Board members may resign at any time for any reason. All resignations must be immediately reported in writing or via email to the Town Manager by the Chair, or Liaison. Once a member's resignation becomes effective, that member may only be considered for reappointment following the procedure described herein.
- (D) The Council may remove a Board member, at its discretion, by vote in an open meeting. A Board member who misses 3 consecutive meetings without being excused by the Board shall be considered to have resigned membership in the Board.

- (E) Council members may not serve on an Advisory Board. Upon appointment or election to the Council, an Advisory Board member shall immediately resign from the Advisory Board or be removed from the Advisory Board by a vote of the Council.

ADVISORY BOARD LIAISON

§ 3.05.080 ESTABLISHMENT.

An Advisory Board Liaison Section is hereby created and established.

§ 3.05.081 PURPOSE

As codified in Chapter 3.05 of the Town Code of Ordinances, the Town of River Bend has multiple Advisory Boards. In addition to the Advisory Boards listed therein, the town may also have other groups that function in roles similar to an Advisory Board (such as Community Watch, Board of Adjustment, etc.). Also, from time to time, the Town Council (Council) may create a special committee to address a particular topic. A member of Council may be appointed to serve as liaison for such groups (Board). Liaison appointments are only made by an official action of Council. The purpose of this section is to define the role of a liaison.

§ 3.05.082 ROLE OF LIAISON

- (A) A Council-appointed liaison is not a member of the Board. Rather, the liaison is a resource to support the Board in the completion of its assigned duties, subject to the following guidelines:
 - (1) A liaison has no authority to supervise or manage the Board. The liaison shall not take part in any votes or decision making of the Board.
 - (2) Generally put, a liaison shall not attempt to influence the work or recommendations of the Board. More specifically, a liaison shall not take part in the Board's deliberations or discussions unless:
 - a) The Board requests the liaison's participation in a particular discussion. The liaison's input shall represent the position of Council, or the liaison shall identify their input as representing their personal opinion.
 - b) The liaison determines that he/she must speak up in order to remind the Board of Council's directives, town policies, the Open Meetings Law, public records requirements or other specific information which may be necessary to prevent the Board from taking inappropriate action.
- (B) The liaison shall be mindful that the Board is only taking action or doing work that is within the Board's Power and Duties as outlined herein or as otherwise prescribed by Council. If such a deviation occurs, the liaison shall notify the Board's Chairperson. If such deviations continue, the liaison shall notify the Mayor, Council and Town Manager.
- (C) The liaison shall serve as the conduit between the Council and the Board. The liaison shall bring to the Council any requests from the Board, such as, but not limited to, the following:
 - (1) Questions about the Board's scope of work.
 - (2) Requests from the Board to change the Board's scope of work.
 - (3) Requests of town resources to further the Board's work.

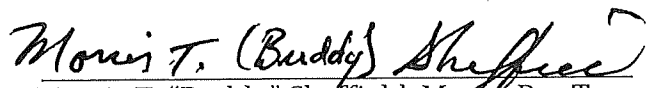
- (4) Recommendations from the Board to the Council. All recommendations from a Board shall be provided in writing and signed by the Board's Chairperson. The liaison shall follow the town's agenda policy for placing the recommendation on the next Council agenda. Similarly, the liaison shall bring to the Board any directions, requests, or concerns from the Council.
- (D) The liaison should attend all regular meetings of the Advisory Board. When they cannot, they should notify their back-up and the back-up should attend. The liaison shall stay informed of Board activity/action by attending Board meetings or conferring with its members. The liaison shall update the Council at least quarterly (per fiscal year) on the work of the Board by submitting a written report of Board actions. The report shall be included in the Council's regular meeting agenda packet during the months of October, January, April and July. Such reports shall represent the Board's action during the previous quarter.

§ 3.05.083 BOARD OVERSIGHT


- (A) If a Board member or member of the public feels that there is an issue with the operations of the Board, they may speak to the liaison about their concern, in an effort to seek a remedy or clarification.
- (B) If the liaison is unable to resolve the issue, the liaison shall bring the issue to the Mayor, Mayor Pro-Tem and Town Manager for discussion and possible further action. If the issue requires Council action, the Mayor or Mayor Pro-Tem shall bring the issue to the Council by following the town's agenda policy.
- (C) If a liaison feels that there is an issue with the operations of the Board, they shall speak to Board's Chairperson. If the issue is not resolved, the liaison shall bring the issue to the Council for consideration by following the town's agenda policy.

This Ordinance shall be in full force and effect upon its adoption.

Adopted this the 10th day of October, 2024


Morris T. "Buddy" Sheffield, Mayor Pro Tem

ATTEST:


Kristie J. Nobles, Town Clerk, MMC

TRAFFIC CONCERNS
CANEBRAKE LANE AT CANEBRAKE
DRIVE
RIVER BEND, NC



SEPTEMBER 2024
REPORT COMPLETED BY:
RIVER BEND POLICE DEPARTMENT
SGT. S.M. FELL

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Complaint History:

On September 16, 2024, a phone call to the River Bend Police Department was received from the River Bend Public Works Department in reference to speed bumps being placed in the roadway of the Canebrake Dr. area.

Upon investigation of the speed bumps, it was observed that there were two (2) sets of speed bumps placed in the roadway. One set was located at the intersection of Canebrake Ln. and Canebrake Dr. The second set was in or around the intersection of Canebrake Dr. and Stillwater Ct.

Officers spoke to citizens within the Canebrake community and discovered that residents took it upon themselves to purchase and place the speed bumps on their street due to several residents in the area and delivery personal speeding on their road. Upon speaking to the citizens further about the issue, the main complaint appeared to be traffic speeding around the turn on to Canebrake Dr. from Canebrake Ln.

The speed bumps were removed by the citizens upon request.

Prior History:

There are no known crashes that have occurred with this community.

There has not been any complaints of traffic violations reported in the past that could be located in RMS.

Geography and Demographics of Canebrake:

- The Canebrake community is made up of 29 residential homes
- The posted speed limit is currently 25 M.P.H.
- Canebrake Ln. is 177 feet long
- Majority of residents in the Canebrake community are over the age of sixty (60)
- This is a very active community among neighbors interacting with each other by walking to various events they host each week within the community
- The residents can be found daily walking for exercise
- The Canebrake community does not have sidewalks
- There are approximately five (5) children living in the community
- The youngest children are between four (4) and five (5)
- There are no outlets to Canebrake
- There is only one (1) entry and exit to the community
- The two (2) youngest children reside at the intersection of Canebrake Ln. and Canebrake Dr.
- The children ride their bicycle in the roadway

What is a Speed Study:

A speed study is an analysis of the speeds at which vehicles are traveling on a particular road or section of road. This type of study is typically conducted by local or state transportation agencies in order to identify areas where speeding is a problem and to develop strategies for addressing the issue. Speed studies can be used to assess the effectiveness of speed limit enforcement, engineering solutions (such as speed bumps), and public education campaigns.

One of the traditional methods for conducting a speed study is to use a radar gun to measure the speeds of passing vehicles, but this requires the time of personnel.

Speed studies are important tools for transportation planners and engineers, as they can help identify areas where speeding is a problem and where safety improvements are needed.

Speed Survey:

A speed study was conducted the week of September 16th through September 20th, 2024.

The results of the speed study shows that four (4) vehicles were between 16-20 miles per hour (MPH). One (1) vehicle was travelling 26-30 MPH. These vehicles were recorded on the All Traffic Solutions radar calming device while making a right turn from Canebrake Ln. onto Canebrake Dr.

During this speed study, there were 101 vehicles that made the right turn from Canebrake Ln. onto Canebrake Dr. The peak travel times were between 1400 to 1800 hours during the day.

The speed study results are attached to this report.

Recommendations:

After the speed study results were gathered, lengthy discussions with traffic specialists held, and on-scene observations of the Canebrake roadway; the River Bend Police Department makes the following recommendations.

The recommendations made are the least intrusive to the community, easiest to enforce and can take place quickly without high cost to the town.

The first recommendation is to start with one (1) stop sign on the Canebrake Ln. at Canebrake Dr. This will force drivers to reduce speed and stop prior to making the right turn on to Canebrake Dr.

Canebrake Ln. is 177 feet long from Shoreline Dr. to Canebrake Dr. The Average car in the United States is 14 feet and 7 inches. This would allow approximately eleven (11) vehicles to fit in that span or several school buses. The prospect of a traffic buildup that would cause any influence of traffic on Shoreline Dr. would be highly improbable.

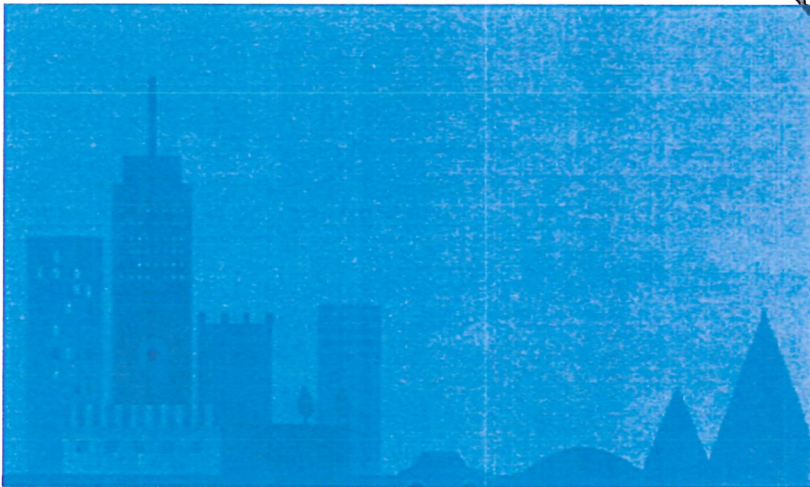
The second recommendation would be to place a "Slow, Children at Play" sign on Canebrake Ln. The sign location would be approximately halfway between Shoreline Dr. and Canebrake Dr. facing the entrance of the community.



Google Maps Canebrake Dr



Imagery ©2024 Airbus, Map data ©2024 Google 20 ft

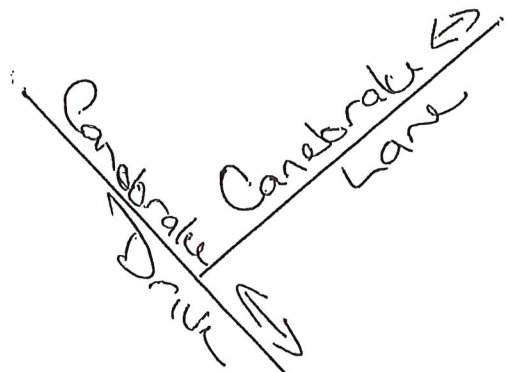


Intersection
of
concern

Canebrake Dr

- Directions
- Save
- Nearby
- Send to phone
- Share

River Bend, NC 28562



ITEM 6

Canby

Start: 2024-09-13
 End: 2024-09-19
 Times: 0:00:00-23:59:59

Speed Bins: Size 5, Range 1 to 150
 Time View: By Hour (Total Volumes)

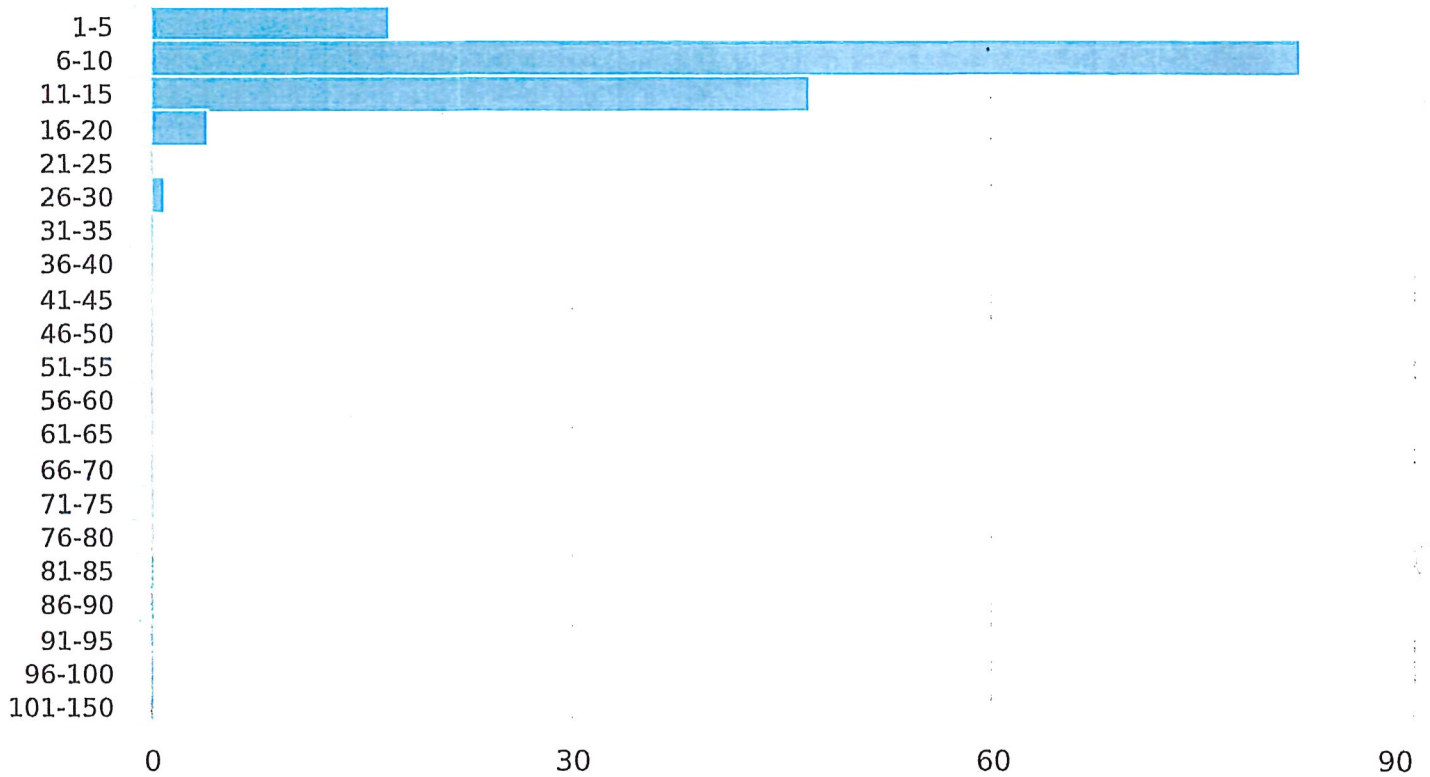
Time	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	71 to 75	76 to 80	81 to 85	86 to 90	91 to 95	96 to 100	101 to 150	Avg Speed	Total
0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
1:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.0	1
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
3:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.0	1
4:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.0	1
5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
7:00	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5	6
8:00	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.0	5
9:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.7	3
10:00	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.7	7
11:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.7	3
12:00	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.6	5
13:00	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.5	8
14:00	1	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.2	17
15:00	0	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	12
16:00	2	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	21
17:00	0	10	6	2	0	1	?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.4	19
18:00	8	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.8	23
19:00	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.7	9
20:00	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.1	7
21:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.0	1
Total	17	82	47	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.3	151



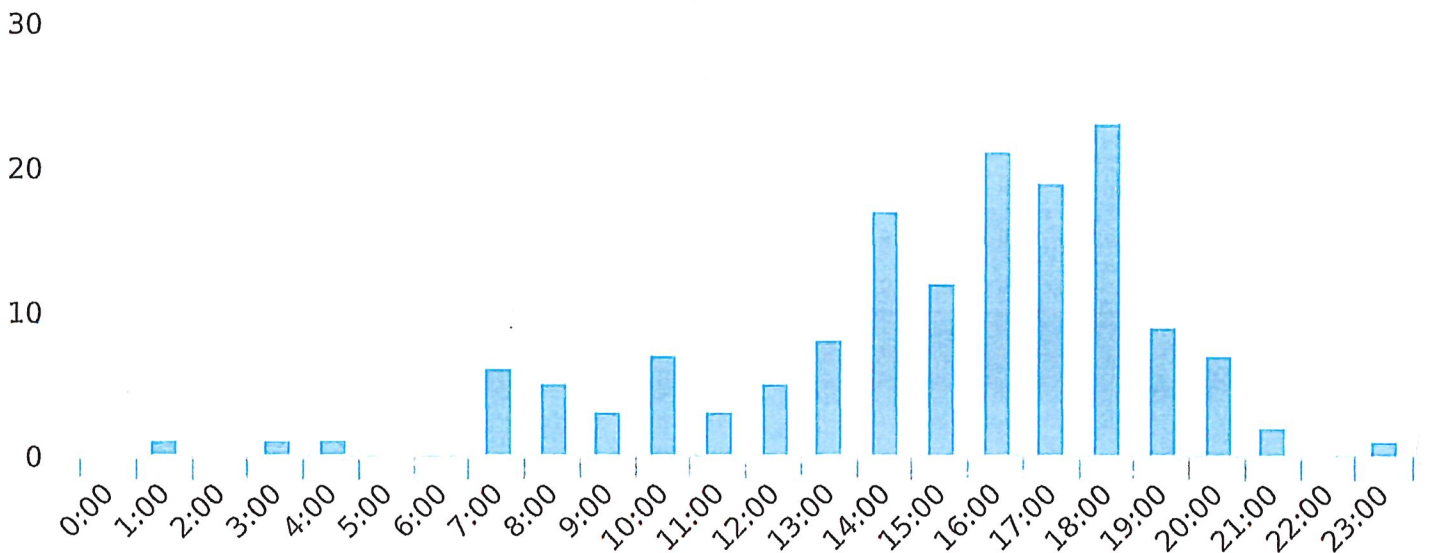
Start: 2024-09-13
 End: 2024-09-19
 Times: 0:00:00-23:59:59

Speed Bins: Size 5, Range 1 to 150
 Time View: By Hour (Total Volumes)

Total Volume by Speed Distribution



Volume over Time

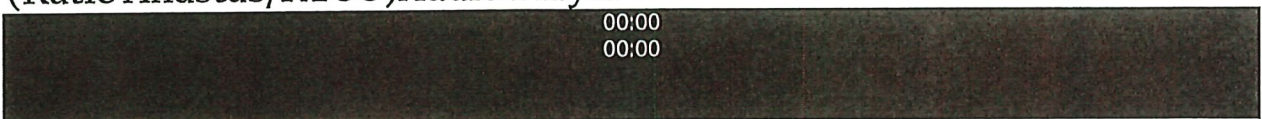


Why does that speed limit sign say 19 1/2 mph?

May 4, 2023 by Katie Anastas, KTOO



A sign at the airport tells drivers to go no faster than 19 1/2 mph. (Katie Anastas/KTOO)Audio Player



On a rainy afternoon at the Airport Dike Trail, Laura Minne is walking her dog, Bodhi. Over on the airport side of the fence, a

speed limit sign tells drivers to go no faster than 19 1/2 miles per hour.

When asked if she has a theory for why it's such a specific number, Minne laughs.

"I can only imagine," she says. "Whoever did it has to be pretty wonderful to have that humor."

Airport Manager Patty Wahto says that person was a member of the airfield crew several years ago. The idea was to get the attention of the many workers who were driving faster than the actual speed limit of 20 mph.

"When the 20 mph signs were posted, you could ask people what the speed limit was," Wahto wrote in an email. "They would either answer that they didn't know, or that they didn't think there was a speed limit posted."

Studies show drivers [remember fewer details](#) about routes they're more familiar with. Dwight Hennessy is a professor at Buffalo State University who studies traffic psychology.

"The reality is, we can't pay 100% perfect, focused attention on everything all the time," Hennessy said. "If you have a monotonous environment, where everything is the same, breaking it up grabs our attention. We're more likely to process things once we've paid attention to them."

That's why the 19 1/2 sign works, he said. It stands out, which makes drivers think about the speed limit more.

Time will tell whether the temporary speed limit and radar signs will reduce wintertime crashes on Egan. But, at the airport, the 19 1/2 sign seems to be doing the trick.

The Science and Safety of Speed Limits



In the past week or so I've driven past two speed limit signs that particularly caught my attention. I was able to get a photo of one of them (pictured above.) Not 10 mph or even 15 mph. 13.

That's odd, I said aloud to myself.

ITEM 6

Then I got to wondering ... Is the speed limit set 13 mph because of speed and safety risks (acceptable at 10 mph, but too dangerous at 15 mph), or because of the psychology of using an uncommon number. Is the posted speed limit set to a different number to catch our attention and, thereby encourage us to be mindful of our speed?

Why Install an All-Way Stop?

An all-way stop is an effective and cost-efficient way to improve the safety of an intersection and reduce the risk of serious crashes. Converting intersections into all-way stops has been shown to reduce fatalities and injuries by 77 percent.

The N.C. Department of Transportation recommends an all-way stop only after a thorough evaluation of the intersection. That evaluation includes an analysis of the traffic volumes, crash history, sight distance and a field investigation.

Benefits of an All-Way Stop

- [Improves safety](#) while causing a minimal increase in travel time.
- Reduces the need for drivers to wait until there is a safe gap in opposing traffic.
- Are more predictable compared to traffic signals.
- Can serve as a temporary solution until a permanent improvement, such as a roundabout, can be funded and constructed.
- Are more cost-effective than other types of safety projects.

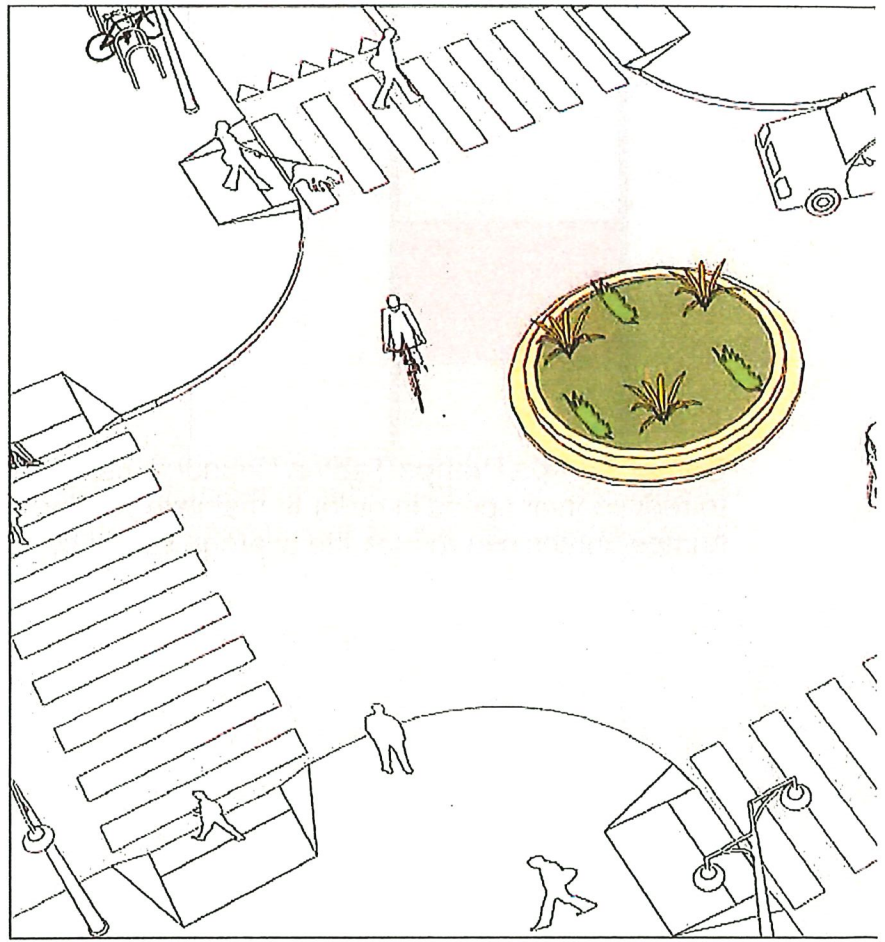
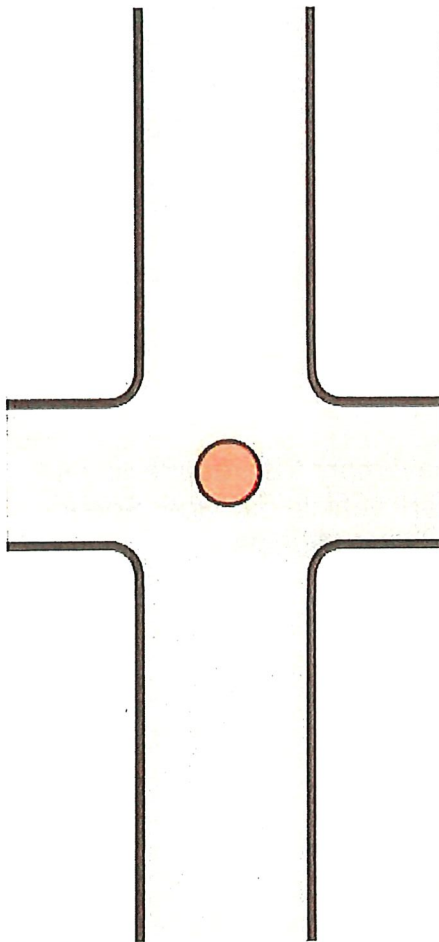
Top 5 benefits of speed bumps

- Speed bumps as speed limit controllers.
- Speed bumps as speed controllers for drivers' and pedestrians' safety.
- Speed bumps as traffic controllers.
- Speed bumps for traffic calming control.
- Speed bumps as a regulator of the parking area.
- Speed bumps as a savior during the slippery winter.

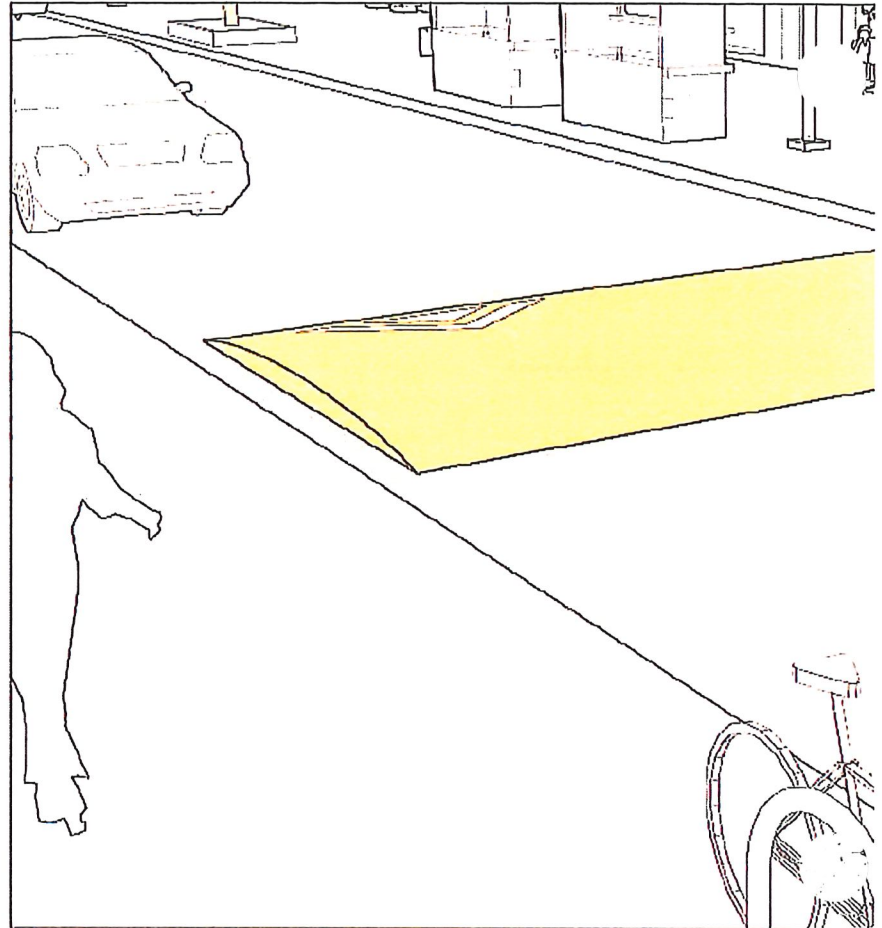
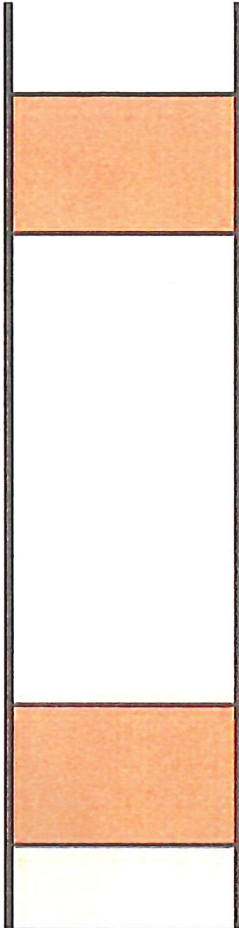
Learn more about traffic calming measures, besides police enforcement, that help slow traffic and increase safety. Sources: [Global Designing Cities Initiative](#) & [SMATS Traffic Calming Measures](#)

About

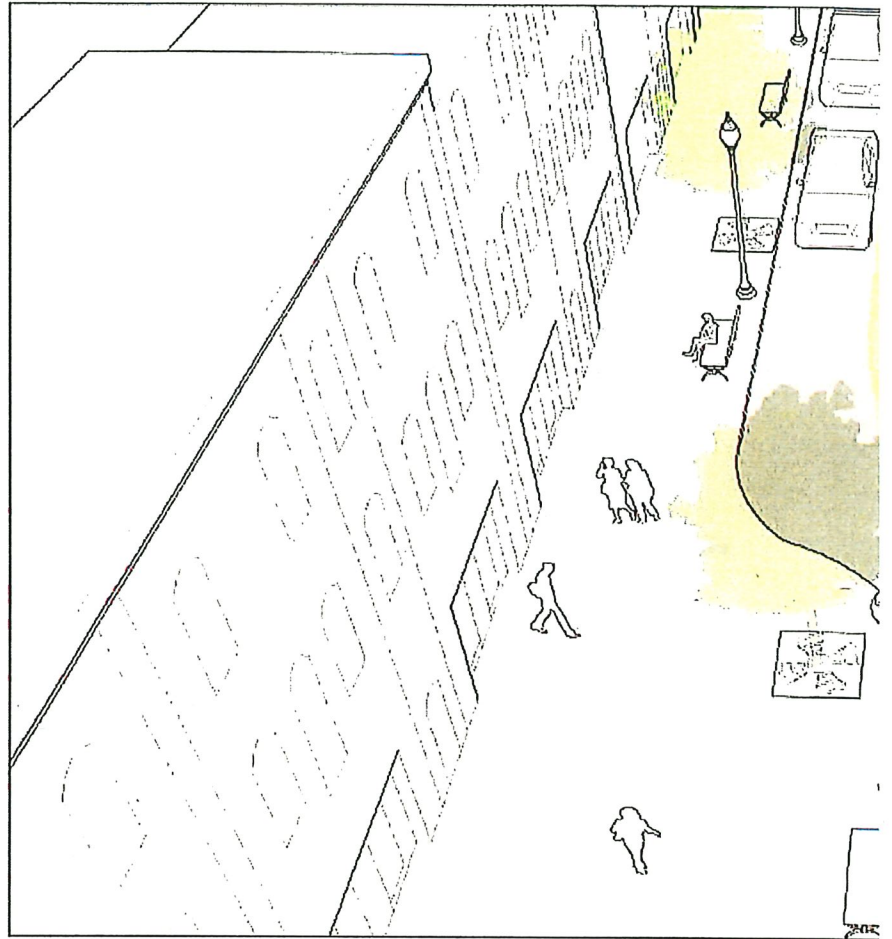
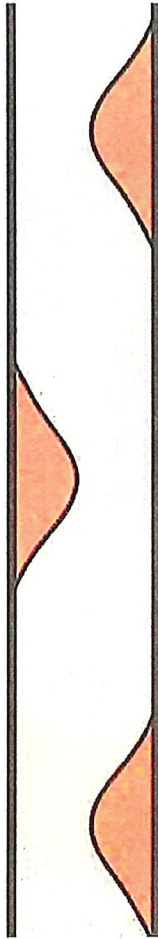
- Ended on Jun 30, 2023
- 1 participant
- 5 phases
- Share



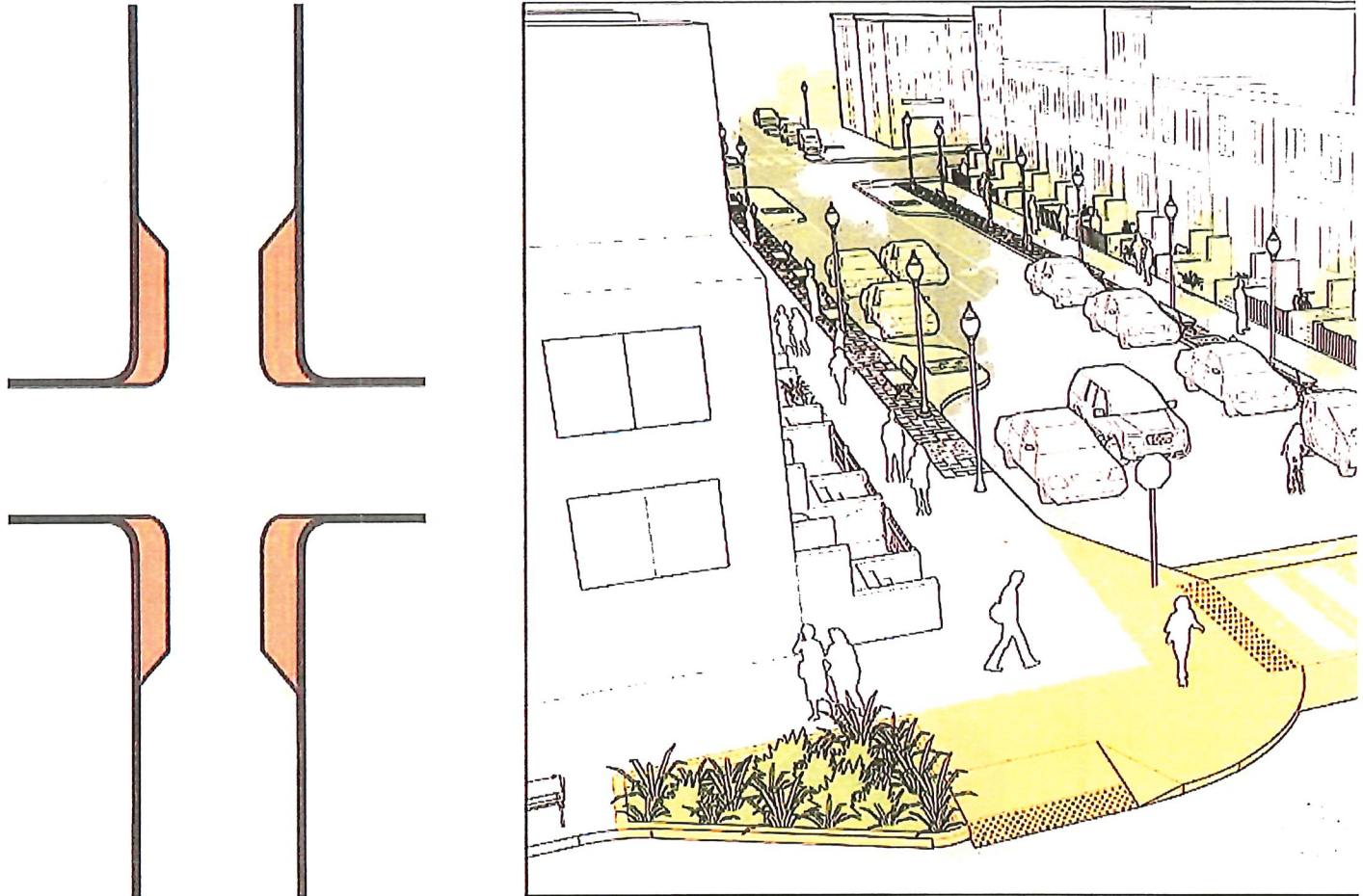
Traffic Circles Add a round center island to intersections. Drivers must slow down and change directions to navigate. These circles require drivers to slow down and pay attention to their surroundings in order to maneuver around them. Traffic circles create pedestrian crossing and landscaping opportunities, making them ideal for busier residential roads with traffic cut-through and higher speeds. Traffic circles are NOT roundabouts.



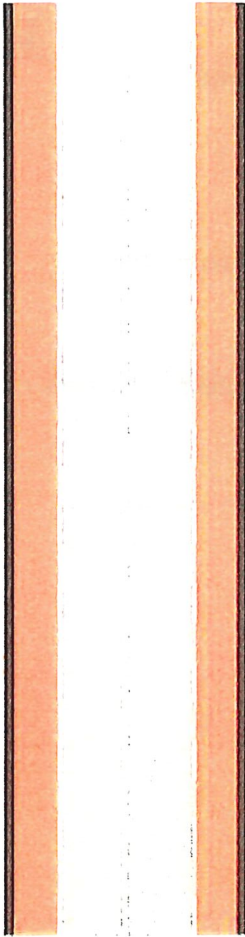
Speed Bumps/Humps/Tables Rounded, raised areas of pavement that require drivers to reduce their speed in order to maintain comfort and prevent vehicle damage. Speed bumps/humps can reduce the average speed by 10-25% between humps.



Chicanes Pairs of bump outs that introduce curves into otherwise straight roads and encourage people to drive 10-30 percent slower as they weave through them. This requires motorists to steer back and forth in order to navigate the road, causing speed reductions and more cautious driving. Chicanes work best on low volume roadways with lower speed limits, making them ideal for residential neighborhoods.



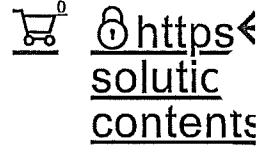
Bump Outs Strategically narrow streets and intersections to encourage people to slow down. Additionally, bump outs reduce pedestrian crossing distances. Check out the intersection of Paint Street and Second Street to see these in person.



Lane narrowing can be accomplished through widening of sidewalks, creating bicycle lanes, landscaping, or inserting raised medians in the center of the roadway. Narrow lanes encourage driver alertness, and cause motorists to slow down in order to increase driving comfort. Narrowed lanes also contribute to residential areas by providing more room for pedestrian activity and greener streets.

MOST ORDERS SHIP WITHIN 24 HOURS
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SKU: CSPD001-025

25mph Flashing Speed Limit Sign

\$899.99

Shipping Weight: 12.00 pounds

Quantity In Basket: None

SHEETING OPTIONS:

- Engineer Grade
- Diamond Grade + \$50.00

ITEM 6

CONFIGURATION OPTIONS:

Standard Battery & Solar Panel (Timer Included)

Qty

-	1	+
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ADD TO CART

ADD TO WISH LIST

DESCRIPTION

+

Our Solar LED Flashing Speed Limit Sign (MPH) is a bright and energy efficient traffic sign that is built for durability and will increase driver awareness wherever it is placed! Made to MUTCD specifications and includes a 5W solar panel, junction box (with built-in rechargeable battery), MPH sign and mounting brackets. An ideal addition to school zones, shopping centers and other high-risk areas!

Product Specifications:

- TYPE: 25mph Solar Traffic Safety Sign
 - CODE: CSPD001-025
 - MUTCD CODE: R2-1
 - SOLAR PANEL: 12V, 5W monocrystalline silicone
 - BATTERY: Lithium battery 12V/7200mAh
 - BATTERY SPAN: 3-5 years
 - WORKING TIME: After one full charge, 5-7 consecutive days
 - WORKING MODE: 24/7 or Dusk to Dawn
 - OPTIONAL: Timer activation (+\$100)
 - VISIBLE DISTANCE: >2500 feet
 - DIMENSIONS:
 - PRODUCTS: 18" (W) x 24" (H) inches (rectangle)
 - SHIPPING: 26" (W) x 26" (H) x 6" (D) inches
 - WEIGHT: 10lbs (without junction box)
 - SIGN COLOR: White
 - LED LIGHT COLOR: White
 - REFLECTIVE SHEETING:
 - STANDARD: Engineer grade reflective sheeting
 - OPTION: Diamond grade
 - MUTCD COMPLIANT
 - OTHER SPEEDS AVAILABLE
 - WARRANTY: 3 Year Full Warranty
- *STANDARD HARDWARE: FITS 3" to 4" DIAMETER POSTS*

INCLUDES:

- Solar panel + Junction box -holds motherboard and rechargeable battery
- Sign
- Mounting hardware

ITEM 6

The CSPD001-020 adheres to the MUTCD standards found within MUTCD guidelines Section 2A.07 for Retro-reflectivity and illumination

- Illumination of a sign by Light emitting diodes (LEDs)
- Sign Element to be Illuminated: (1) Symbol or word message (2) Portions of the sign border
- LED's are placed within 1 border unit of border
- LED's are same color as sign background
- LED's are within 1/4" in width
- LED's flashing at a rate of 50 times per minute
- Background of sign is standard 3M reflective engineering grade material

[DOWNLOAD PRODUCT SHEET \(http://ledlighting-solutions.com/PDF/CSPD001-025.pdf\)](http://ledlighting-solutions.com/PDF/CSPD001-025.pdf)

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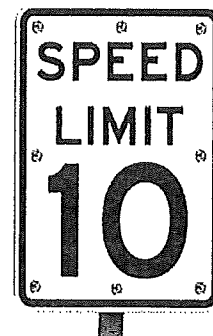
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ITEM 6

\$899.99

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This speed limit sign is a solar flashing sign that acts as a warning signal to oncoming drivers to be aware of the current speed limit to abide by. Using flashing traffic signage helps avoid and prevent fatal car crashes, severe injury, and vehicle damage. The bright blinking lights intensify and augment visibility at all times (both day and night) and under all weather conditions. Our solar powered LED blinking sign is visible from more than 2500 feet away. Increased visibility ensures increased driver and pedestrian safety. Our solar powered stop sign uniquely combines an aluminum alloy board and a solar board, in order to maximize durability, functionality, and efficiency. Due to the fact that this product is solar powered it has the ability to run and function in any area with adequate sunlight.



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