CITY OF HENDERSONVILLE REQUEST FOR QUOTES # 221525001 FOUR SEASONS BLVD POLLINATOR BED PROJECT January 2022

The City of Hendersonville, North Carolina (City) is requesting quotes for implementing a pollinator bed on Four Seasons Blvd. Contractors interested in providing landscape installation services in Hendersonville need to respond to this request with a bid.

The proposed project is a pollinator bed. The scope of work includes herbicide application, disctilling, adding mulch and compost, erosion control, adding fertilizer and/or lime, testing soil, watering, planting perennials, shrubs, grasses, trees, and weeding. The pollinator bed is located at the point of the triangle island that is encompassed by Four Seasons Blvd (HWY 64 W), 7th Avenue, and Duncan Hill Road in Hendersonville, NC, hereinafter "Project." The area consists of several commercial businesses and public roads. The physical location of the project is shown in green below:



The following item(s) have already been obtained by the City for this project:

Planting Plan (Appendix A)
Planting Notes dated 7-6-20 (Appendix B)
NCDOT Encroachment Agreement (Appendix C)
Initial Soil Test Report (Appendix D)

The City has established the following timeline for bidding and construction of the project:

- RFQ Submission November 16, 2022
- Vendor Questions Deadline December 1, 2022 at 3:00 PM
- Proposal Deadline December 15, 2022 at 3:00 PM
- Proposal Review –December15 18, 2022
- Firm Selection December 19, 2022
- Contract Negotiation –December 19-20, 2022
- City Council Approval Jan 5, 2023
- Construction Notice to Proceed January 6, 2022
- Final Completion 4/20/2023

The successful firm will demonstrate proficiency and experience in landscaping, adherence to all applicable building codes and local ordinances, management, preparation of package, construction inspection, and administration services. Anticipated services include, but are not limited to:

- Compile and evaluate existing information regarding the project and site, including solicitation of input from City Staff and other parties as deemed necessary.
- Provide planning and site analysis, condition assessment, and any additional necessary permitting.
- Perform all necessary coordination with the City, Henderson County, utilities, and any other interested party.
- Obtain all necessary permits/approvals required to construct the project.

Companies interested in performing these services must exhibit relevant experience with this type of work and should emphasize both the experience and capability of the personnel who will actually perform the work. At a minimum, all interested firms are required to submit a statement of qualifications and experience containing the following information:

Summary:

- A summary should provide a brief but thorough overview of how the firm can provide these services to the City.
- Include an introductory statement and a summary of the firm's experience with the work described above.
- Provide firm name, address, telephone number, email address, and main contact person(s).
- Provide the year in which firm was established and any former names under which the firm operated.

Experience:

- Provide a list of (3) projects of similar size and scope completed by the firm within the past ten (10) years. This shall list the following as a minimum:
 - Owner's name and contact information (mailing address, email addresses and phone numbers).
 - Name, location, and detailed description of the project.
 - Design and construction cost of each project and number of change orders, including monetary impact of each.
 - Summary of project actual costs compared to original and revised project budget(s)/estimate(s).
 - Project start and completion dates.
 - Project staff and their role(s).

References:

- Provide at least three (3) references that the City may contact to verify your qualifications, experience and involvement in the stated engineering activities and projects.
- Job title, telephone numbers, e-mail address and for each reference listed should be included in your statement of qualifications.

The attached qualification statement evaluation (Appendix E) will be used in the selection process. The City intends to award the project to the firm or team that is determined to be best qualified.

A clear, well-defined scope of services and price for the work will be negotiated with the apparently most qualified firm (or partnered firms). If these negotiations are unsuccessful, the City will negotiate with the next-most qualifiedfirm (or partnered firms). The City will continue in like manner until negotiations are successful. The successful firm/partnered firms will be required to enter into the City's standard professionalservices agreement. Notwithstanding the foregoing, the City may elect to terminate the processat any time.

Submissions must be sent in PDF format and emailed to twooten@hvlnc.gov by 3:00 PM July Eastern Time (EST) on Thursday, December 15, 2022. PDF files must contain the signatures of company representatives who are authorized to execute documents on behalf of the firm. Submissions received after the deadline will not be considered. The City reserves the right to reject any and all submissions received and to waive minor informalities. Incomplete proposal responses will not be considered. The selected firm(s) will be expected to enter into an agreement with the City as soon as possible following notification.

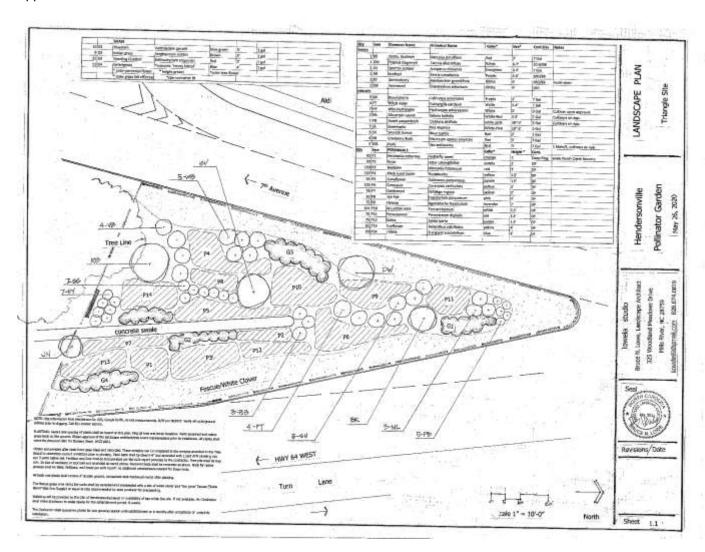
Any questions regarding this request should be directed to Tom Wooten at twooten@hvlnc.gov. Written requests for clarifications to this RFQ will be accepted until 3:00 PM on Thursday, December 1, 2022. If necessary, the City will issue a written addendum on the City website to clarify any issues raised.

The City of Hendersonville accepts no responsibility for any expense related to preparation or delivery of qualification statements. All materials and documents submitted by the firm or design team in response to this RFQ or any additional requests for materials and documents made by the City for evaluation pursuant to this RFQ will become the property of the City and will not be returned. The selected firm(s) shall be responsible for all costs incurred during negotiations.

It is the policy of the City of Hendersonville that all original documents, reports, studies, and other data produced as a direct result of the services performed under the contract shall become the property of the City of Hendersonville. Any copyrighting of material produced, and data compiled because of the services performed by the successful firm(s) shall be in the City of Hendersonville's name. Where licensed material is incorporated as an integral component of the services provided the firm shall register the City as a licensed user and shall provide the City with one complete copy of the licensed material.

Selection of a firm shall include the use of good faith effortsby the public entity to notify minority firms of the opportunity to submit qualifications for consideration by the public entity. It is the practice of the City to make a good faith effort to procure the submission of proposals by historically underutilized businesses as part of the selection process. The City seeks to provide all persons and businesses a fair and equal opportunity to participate in all aspects of its contracting and procurement programs and to prohibit all discrimination against persons or businesses in pursuit of these opportunities. The City of Hendersonville is an Equal Employment Opportunity Employer.

Appendix A:



Pollinator Gardens, Hendersonville Tree Board- Planting Notes 7-6-20

- 1. Soil test- read results for each site
- 2. Call 811 to locate utilities
- 3. Check with NCDOT and City of Hvl for any permits, approvals
- 4. Mow site low, kill weeds, disc-till site
- For Spring planting 2021, let site freeze/thaw then til again in early Spring 2021
- Lightly mulch, straw or plant cover crop and install erosion control as needed
- 7. Add leaf or other compost from Hvl
- 8. Add fertilizer, lime per soil test and til entire site
- 9. Soil test to check results of amendments
- Install water tap/ meter or make provisions for watering
- Layout planting areas using flags or stakes for trees and shrubs, paint out bed areas for shrub masses, native grasses and perennial beds.
- 12. Layout all trees and shrubs first, then begin layout of grasses and shrub bed areas. Finally, layout perennials. Some locations may change from plan so beds may have to be modified-this is usual.
- 13. Planting- dig tree and shrub pits 2x the root or container size. Backfill with a mix of 3 parts existing soil from hole and 1 part planting mix. Planting mix recommended is AMY's Planting Mix (Asheville mulch yard). Water in plants during backfill to eliminate air pockets, lightly tamp soil to firm.
- 14. Form a water berm around trees and shrubs and mulch with 2" double ground aged hardwood or pine mulch. (Cason's, Avl Mulch yard, or City of Hvl)
- 15.Make provisions for watering and weeding during the grow in period. Mulch entire site with 3" of specified mulch.



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR

J. ERIC BOYETTE SECRETARY

July 20, 2020

Encroachment No.:

202045029

Location:

US 64 at Seventh Avenue

County:

Henderson

District Engineer:

Lonnie Watkins, PE

Mr. Tom Wooten Public Works Director 305 Williams St. Hendersonville, NC 28792

Dear Mr. Wooten:

Attached for your files is a copy of a contract which has been properly executed for the encroachment on NCDOT right-of-way designated as US 64 at Seventh Avenue within the island to install vegetation/plantings within the NCDOT ROW, as shown on the attached plan.

NOTE The plantings shall be installed and maintained by the City of Hendersonville. Any new trees shall not exceed 12 feet at full maturity to avoid existing utility lines.

If you have any questions please contact Carl Ownbey, Engineering Technician III, whom you can reach at the District Engineer's office at (828) 891-7911.

alnnie Waltin Lonnie Watkins, PE

District Engineer

Brian Burch, PE

Division Engineer

BB/LW/co

WITNESSETH

THAT WHEREAS, the party of the second part desires to encroach on the right of way of the public road designated as
Route(s) HWY 64 , located Triangle area between HWY 64, 7h Avenue, and
Duncan Hill Road
with the construction and/or erection of: Small trees within the forested area and convert the grass area to landscaped area
(at the East end of the triangle). City shall maintain all new plantings. The new trees should not be more than twelve feet high
At maturity to avoid any utility lines, where applicable.

WHEREAS, it is to the material advantage of the party of the second part to effect this encroachment, and the party of the first part in the exercise of authority conferred upon it by statute, is willing to permit the encroachment within the limits of the right of way as indicated, subject to the conditions of this agreement;

NOW, THEREFORE, IT IS AGREED that the party of the first part hereby grants to the party of the second part the right and privilege to make this encroachment as shown on attached plan sheet(s), specifications and special provisions which are made a part hereof upon the following conditions, to wit:

That the said party of the second part binds and obligates himself to install and maintain the encroaching facility in such safe and proper condition that it will not interfere with or endanger travel upon each highway, nor obstruct nor interfere with the proper maintenance thereof, to reimburse the party of the first part for the cost incurred for any repelrs or maintenance to its readways and structures necessary due to the installation and existence of the facilities of the party of the second part, and if at any time the party of the first part shall require the removal of or changes in the location of the said facilities, that the said party of the second part binds himself, his successors and assigns, to promptly remove or after the said facilities, in order to conform to the said requirement, without any cost to the party of the first part.

That the party of the second part agrees to provide during construction and any subsequent maintenance proper signs, signal lights, flagmen and other warning devices for the protection of traffic in conformance with the <u>latest Manual on Uniform Traffic Control Devices for Streets and Highways</u> and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the Division Engineer of the party of the first part.

That the party of the second part hereby agrees to indemnify and save harmless the party of the first part from all damages and claims for damage that may arise by reason of the installation and maintenance of this encroachment.

It is clearly understood by the party of the second part that the party of the first part will assume no responsibility for any damage that may be caused to such facilities, within the highway rights of way limits, in carrying out its construction and maintenance operations.

That the party of the second part agrees to restore all areas disturbed during installation and maintenance to the satisfaction of the Division Engineer of the party of the first part. The party of the second part agrees to exercise every reasonable precaution during construction and maintenance to prevent eroding of soit, sitting or pollution of rivers, streams, takes, reservoirs, other water impoundments, ground eurifaces or other property; or pollution of the elf. There shall be compliance with applicable rules and regulations of the North Carolina Division of Environmental Management, North Carolina Sedimentation Control Commission, and with ordinances and regulations of various counties, municipalities and other official agencies relating to pollution prevention and centrol. When any installation or maintenance operation disturbs the ground surface and existing ground cover, the party of the second part agrees to remove and replace the sod or otherwise reestablish the grass cover to meet the satisfaction of the Division Engineer of the party of the first part.

That the party of the second part agrees to assume the actual cost of any inspection of the work considered to be necessary by the Division Engineer of the party of the first part.

That the party of the second part agrees to have available at the encroaching site, at all times during construction, a copy of this agreement showing evidence of approval by the party of the first part. The party of the first part reserves the right to stop all work unless evidence of approval can be shown.

Provided the work contained in this agreement is being performed on a completed highway open to traffic; the party of the second part agrees to give written notice to the Division Engineer of the party of the first part when all work contained berein has been completed. Unless specifically requested by the party of the first part, written notice of completion of work on highway profects under construction will not be required.

That in the case of noncompliance with the terms of this agreement by the party of the second part, the party of the first part reserves the right to stop all work until the facility has been brought into compliance or removed from the right of way at no cost to the party of the first part.

That it is agreed by both parties that this agreement shall become void if actual construction of the work contemplated herein is not begun within one (1) year from the date of authorization by the party of the first part unless written waiver is secured by the party of the second part from the party of the first part.

R/W (161A): Party of the Second Part certifies that this agreement is true and accurate copy of the form R/W (161A) incorporating all revisions to date.

IN WITNESS WHEREOF, each of the parties to this agreement has caused the same to be executed the day and year first above written.

DEDARTMENT OF TRANSPORTATION

ATTEST OR WITNESS:	BY: Domin Wathers Asst. Manager of Right of Way DISTRICT ENGINEER Tom Wooden		
F	Director of Public Works		
	City of Hendersonville Second Party		

INSTRUCTIONS

When the applicant is a corporation or a municipality, this agreement must have the corporate seal and be attested by the corporation secretary or by the empowered city official, unless a waiver of corporate seal and attestation by the secretary or by the empowered City official is on file in the Raleigh office of the Manager of Right of Way. In the space provided in this agreement for execution, the name of the corporation or municipality shall be typed above the name, and title of all persons signing the agreement should be typed directly below their signature.

When the applicant is not a corporation, then his signature must be witnessed by one person. The address should be included in this agreement and the names of all persons signing the agreement should be typed directly below their signature.

This agreement must be accompanied, in the form of an attachment, by plans or drawings showing the following applicable information:

- All roadways and ramps.
- 2. Right of way lines and where applicable, the control of access lines.
- 3. Location of the proposed encroachment.
- 4. Length and type of encroachment.
- Location by highway survey station number. If station number cannot be obtained, location should be shown by distance from some identifiable point, such as a bridge, road, intersection, etc. (To assist in preparation of the encroachment plan, the Department's roadway plans may be seen at the various Highway Division Offices, or at the Raleigh office.)
- Drainage structures or bridges if affected by encroachment.
- Typical section indicating the pavement design and width, and the slopes, widths and details for either a curb and gutter or a shoulder and ditch section, whichever is applicable.
- 8. Horizontal alignment indicating general curve data, where applicable.
- Vertical alignment indicated by percent grade, P.I. station and vertical curve length, where applicable.
- Amount of material to be removed and/or placed on NCDOT right of way, if applicable.
- Cross-sections of all grading operations, indicating slope ratio and reference by station where applicable.
- All pertinent drainage structures proposed. Include all hydraulic data, pipe sizes, structure details and other related information.
- 13. Erosion and sediment control.
- 14. Any special provisions or specifications as to the performance of the work or the method of construction that may be required by the Department must be shown on a separate sheet attached to encroachment agreement provided that such information cannot be shown on plans or drawings.
- The Department's Division Engineer should be given notice by the applicant prior to actual starting of installation included in this agreement.
- 16. Method of handling traffic during construction where applicable.
- 17. Scale of plans, north arrow, etc.

STANDARD SPECIAL PROVISIONS FOR ENCROACHMENTS REVISED - FEBRUARY 2011

- Notify the District Engineer's office at least 3 day's prior to commencing work and again upon completion of work. (828-891-7911)
- Traffic control devices and procedures shall be installed to ensure public safety and shall comply with the latest
 edition of the <u>Manual on Uniform Traffic Control Devices</u> and the N.C. Department of Transportation's <u>Standards</u>
 and <u>Specifications for Roads and Structures</u>.
- Contact the appropriate Utility Company(ies) involved and make satisfactory arrangements to adjust any utilities in conflict with the proposed work prior to construction.
- 4. Any drainage structure disturbed or damaged shall be restored to its original condition as directed by the District Engineer. Drainage structures shall not be blocked with excavation, construction or other materials. In addition, any drainage pattern that is altered must be repaired / modified. This work must meet NCDOT standards, and result in proper and adequate drainage of disturbed area. This includes but is not limited to culverts, ditches, shoulders, or drainage structures. The District Office is to be notified of any changes made.
- Trenching, bore pits and/or other excavations shall not be left open or unsafe to pedestrian or vehicular traffic overnight or during holidays and weekends and shall comply with all O.S.H.A regulations and requirements.
- 6. All fill areas/backfill shall be compacted to 95% density in accordance with AASHTO T99 as Modified by NCDOT. All material to a depth of 8.0" below the finished surface of the sub-grade shall be compacted to a density equal to at least 100.0% density in accordance with AASHTO T99 as modified by NCDOT. The sub-grade shall be compacted at a moisture content which is approximately the required to produce the maximum density indicated by the above test method. The contractor shall dry or add moisture to the sub-grade when required to provide a uniformly compacted and acceptable sub-grade.
- Proper temporary and permanent measures shall be installed and maintained for the duration of the encroachment to control erosion sedimentation in accordance with local, State and Federal regulations.
- Materials and workmanship shall conform to the N.C. Department of Transportation's <u>Standards and Specifications for Road and Structures</u> and Roadway <u>Standard Drawings</u>.
- Strict compliance with <u>The Policies and Procedures for Accommodating Utilities on Highway Rights of Way</u> shall be required.
- 10. Silt basins shall be removed as soon as possible and shall not infringe on the roadway or components of the roadway including required clear recovery areas or any other areas traversable by vehicles.
- 11. It is the encroaching party's responsibility to determine if any permits are required by other local, state and federal governments to perform the work described in the encroachment and to secure such permits before any construction begins.
- 12. Any work requiring equipment or personnel within 5.0' of the edge of the travel lane shall require a lane closure in accordance with NCDOT <u>Standards and Specifications for Roads and Structures</u> and <u>Roadway Standard Drawings</u> manuals and the latest edition of the <u>MUTCD</u> or supplements thereof.
- 13. No material or equipment storage will be allowed within 30.0° of the edge of the travel lane without the permission of the Engineer. Absolutely no material or equipment storage will be allowed within 15.0° of the edge of the travel lane.
- 14. NCDOT does not guarantee the right of way on these roads, nor will it be responsible for any claim for damages brought by any property owner by reason of this installation.
- 15. If any blasting is required, the maximum peak particle velocity shall be limited to 4.0 in/sec. As measured at the closest structure extremity.

- 16. Any changes to the encroachment must be submitted in writing to the Engineer for review and comment. Failure to request changes may result in cancellation of the encroachment agreement.
- All disturbed right of way monuments shall be reset by a NC licensed Surveyor in accordance with NCDOT Standards and Specifications for Roads and Structures and Roadway Standard Drawings manuals.
- 18. No lane closures will be allowed prior to 8:30 AM or after 4:30 PM (time changes can be approved on a case by case basis). No lane closures will be allowed on Sundays or on State observed holidays (without prior approval).
- 19. All manhole lids, water valves/meters and applicable concrete encasements shall be set flush with the natural ground elevation and should be located so as to minimize interference with highway drainage. All fire hydrants must be located a minimum 5.0° behind the ditch line.
- 20. All longitudinal installations of proposed encroachments shall be located as close to the outside edge of the Right of Way and as far away from the outside edge of the nearest travel lane as possible to the satisfaction of the District Engineer.
- All manholes and vaults shall be of a design approved by the State Design Services Engineer. A list of previously "Approved Manholes and Vaults" may be obtained from the State Design Services Engineer.
- All driveways altered during construction shall be at a minimum returned to a state comparable with the condition of the driveways prior to construction.
- 23. An Executed copy of this Encroachment agreement will be present at the construction site at all times during construction. If safety or traffic conditions warrant such an action, NCDOT reserves the right to further limit, restrict or suspend operations within the right of way.
- 24. All roadway signs which are removed due to construction shall be reinstalled as soon as possible.
- 25. Ingress and egress shall be maintained to all business and dwellings affected by the project. Special attention shall be paid to police and fire stations, fire hydrants and hospitals.
- 26. Vegetative cover shall be established on all disturbed and damaged areas to the satisfaction of the District Engineer in accordance with the attached Seeding and Mulching guidelines. The N.C. Department of Transportation reserves the right to modify the guidelines for unique situations or as recommended by the Area Roadside Environmental Engineer.

SEEDING AND MULCHING GUIDELINES

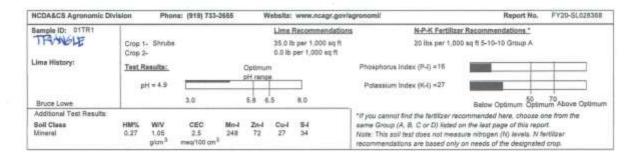
Sept. 1 – April 30
100 Lb./Ac
15 Lb./Ac.
500 Lb./Ac.
4000 Lb./Ac.
25 Lb./Ac.
40 bales/Ac.

NOTES

- A. Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application is adjusted to provide the same amount of nutrients as the 10-20-20 analysis.
- B. Hard Fescue may be substituted for Kentucky 31 Fescue and Vice Versa however see the above table as the rate of application for the two materials is different.
- C. Seeding and mulching operations shall be adapted to various weather or soil conditions as necessary for the successful establishment and growth of the grasses and legumes as directed by the Engineer.

- 27. The encrosching party shall comply with all applicable federal, state, and local environmental regulations, and shall obtain all necessary federal, state, and local environmental permits, including but not limited to, those related to sediment control, storm water, wetland, streams, endangered species, and historical sites.
- Excavation within 1000 feet of a signalized intersection will require notification by the party of the second part to the Division Traffic Engineer at telephone number 828-631-1185. All traffic signal or detection cables must be located prior to excavation.
- 29. With directional boring, under no condition shall jetting alone or wet boring with water of utility pipelines be allowed. Directional boring using jetting with a Bentonite (or equivalent material) slurry is approved at a minimum depth of ten (10) feet below the pavement surface (fifteen feet below the surface of controlled access roads) and five (5") below any ditch line. Any parallel installation utilizing the directional boring shall be made at a minimum depth of three (3") feet (cover) below the ground surface except where the parallel installation crosses a paved roadway. The tip of the drill string shall have a cutter head. Any changes shall be submitted to the District Engineer for approval prior to construction. An overbore shall not be more than two (2") inches greater than the diameter of the pipe or encasement will be considered. If the encroachment agreement includes a statement signed and sealed by a North Carolina Registered Professional Engineer, indicating that an over bore in excess of two (2") inches of the pipe or encasement will arch and no damage will be done to the pavement or substrade.
- Any open cut pavement must be repaired / replaced with an NCDOT approved Bituminous material within 48
 hours. NCDOT will not be responsible for damages incurred to the traveling public where the pavement has been
 cut.
- 31. That the party of the second part agrees to provide traffic control devices, lane closures, road closures, positive protection and/or any other warning or positive protection devices necessary for the safety of motorists and workers during construction and any subsequent maintenance. This shall be performed in conformance with the latest NCDOT Roadway Standard Drawings and Standard Specifications for Roads and Structures and Amendments or Supplements thereto. When there is no guidance provided in the Roadway Standard Drawings and Specifications, comply with the Manual on Uniform Traffic Control Devices for Streets and Highways and Amendments or Supplement thereto. Information as to the above rules and regulations may be obtained from the Division Engineer of the party of the first part.
- 32. As part of any utility encroachment where structures will be installed above ground, the following conditions shall apply. "Any and all components of this utility encroachment that extend vertically beyond ground elevation must be provided with a 3 foot radius that is regularly maintained or kept clear of vegetation for the purpose of visibility. This includes poles, guy wires and anchors, pedestals, cabinets, etc. All utility owners are to place visible sleeves on all guy wires. Failure to comply with this condition will forfeit the utility owner's right to reimbursement for damages from NCDOT resulting from future mowing operations."
- 33. NCDOT WORK ZONE TRAFFIC CONTROL QUALIFICATIONS AND TRAINING PROGRAM:
 - a. Effective July 1, 2010, all flagging operations within NCDOT Right of Way requires qualified and trained Work Zone Flaggers.
 - Effective July 1, 2011, qualified and trained Work Zone Traffic Control Supervisors will be required on Significant Projects.
 - c. Training for this certification is provided by NCDOT approved training sources and by private entities that have been pre-approved to train themselves. If you have questions, contact our web site at https://connect.ncdot.gov/projects/WZTC/Pages/Training.aspx or NCDOT Work Zone Safety Program at 919-707-2660.

Appendix D:



NCDA&CS Agronomic Division Phone: (919) 733-2556 Website: www.ncagr.gov/agronomi/	Report No. FY20-SL02836
Bruce Lowe	Page 3 of 1
Inderstanding the Soil Report	
Application of time at the recommended rate will relieve and pirt to the optimum range. Do not apply too much lime. When and pirt secones too high, lowering it is very difficult. Often, the best solution then is to choose plants that can tolerate a high pirt. Choosing delomitic lime can be advantageous because it confains the nutrients calcium and magnesium. Pelleted time is easier to pread unformity than powdered lime. Lime can be applied at any time of year, but because it reacts slowly, it is best to apply it serveral months before a new planting. Widning it into the soft will speed the reaction time. Lime applied to the soft subsection that subsection that subsection that subsection the soft subsection that subsection that subsection that subsection that subsection the soft subsection that subsection the soft subsection that subsection that subsection the soft subsection that subsection that subsection the soft subsection that subsection the soft subsection that subsection the soft subsection that subsectio	Report Abbreviations CEC cation exchange capacity Cu-I capper index HMM4 percent humic matter Mm-I manganese index pH sod pH S-I suffur index SS-I soluble set index WV weight per volume Zn-I zinc index Time Fertilizer Application to Coincide with Plant Growth Cycle; Bermudagnass: May, Juty, Sept Camtippedgrass: May St. Augustine grass: May, August Tall feacure Sept, Nov. Feb Zoysis: May, Juty Piowerslahrubs: prior to planting or during the growing sesson Vegetables: prior to planting
Group A: low P-I + low K-I Group B: low P-I + high K-I Group C: high P-I + low K-I Group D: N only	A Homeowner's Guide to Fertilizer
5-10-10 @ 20 b 5-10-5 @ 20 b 8-0-24 @ 12 b 15-0-0 @ 7 b 3-0-0 @ 30 b 18-45-0 @ 6 b 15-0-14 @ 7 h 21-0-0 @ 5 b	Note 4: Ferhization of Lawns, Gerdens 5. Gmamentals.
10-10-10 @ 10 lb 16-24-10 @ 6 lb 6-6-18 @ 18 lb 16-0-0 @ 6 lb	Caring for Your Lawn & Environment
11-15-11 @ 10 b 9-13-7 @ 11 b 5-5-16 @ 20 b 28-0-4 @ 4 b 8-15-8 @ 12 b 9-17-8 @ 11 b 10-0-14 @ 10 b 12-5-6 @ 8 b	Carolina Lawns
8-15-8 @ 12 lb 9-17-8 @ 11 lb 10-0-14 @ 10 lb 12-8-8 @ 8 lb *Since these rates supply 1 lb N per 1,000 sq ft, use half the rate if contipede is the grass type.	Soil Acidity and Liming: Besic Information for Farmers & Gardeners

Appendix E:

Firm Name:

Four Seasons Blvd Pollinator Bed - Proposal Review Scoring Sheet 1

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Evaluation Criteria	Scoring Weight	Your Score	Range	Notes	
1) Reputation, Quality and Experience of the Firm - What work experience, if any, do they have on similar projects? - Was their role in past projects comparable to the proposed role for this project? - Does the scale of past experience compare to the scale of this project? - How does their experience compare to others?	25%		(Score 1-25)	Criteria 1 - Does the firm provide a sufficient and detailed explanation of their approach to accomplishing the tasks? Did references give a report?	
2) Experience of Proposed Team Are there multiple firms working together to fulfill the scope of the project? What education and certifications does the firm have? How does the experience of this firm compare to others?	15%		(Score 1-15)	Criteria 2 - Is this a single firm or group? Are they qualified?	
3) Past work history Has the firm worked with the City of Hendersonville before and if so what was it a positive experience?	15%		(Score 1-15)	Criteria 3 - If group has not worked with the City of Hendersonville before it will receive maximum score.	
4) Timeline - Is the firm available for the proposed timeframe? Can the firm acquire the appropriate plants in the allotted time frame?	15%		(Score 1-15)	Criteria 4	
5) Pricing Has the firm quoted a price that fairly represents the project scope?	30%		(Score 1-30)	Criteria 5 - Fair and competitive pricing?	
Total	100%	0			