

June 19, 2024

City of Greensboro
Parks and Recreation Department
301 S. Greene Street, Suite 300
Greensboro, NC 27401

RE: East Greensboro Greenway Design Scope of Work

Dear Ms. Jernigan,

The John R. McAdams Company (Consultant) is pleased to submit this preliminary scope of work to the City of Greensboro (Client) to complete 100% design and construction documents for the East Greensboro Greenway.

TASK 01 - GRANT ADMINISTRATION + PROJECT MANAGEMENT

ADMINISTRATIVE TASKS

Administrative tasks include resource allocation, internal and external meetings, meeting documentation, coordination with sub-consultants, invoicing, budgeting, and schedule management.

KICK-OFF MEETING

Consultant shall attend an in-person kick-off meeting with the Client. The purpose of the kick-off meeting is to accomplish the following:

- Review the goals and objectives of the project and scope of services to be provided.
- Review and refine the project schedule with key milestone deliverables, meetings reviews, and approvals needed and allocated time for Client Team reviews.
- Define the communication process. A project contact list will be established including email addresses so that all parties will be included in the exchange of critical information.
- Review invoicing requirements and monthly reporting expectations.

BI-WEEKLY COORDINATION MEETINGS WITH THE CLIENT

Consultant shall conduct bi-weekly coordination meetings with Client to efficiently communicate over the life of the project. These meetings support timely decision making, early identification of issues and a well-informed Client.

GRANT ADMINISTRATION

Consultant shall assist Client and the Greensboro Urban Area MPO with monthly and quarterly reporting to USDOT pursuant to the requirements outlined in the grant agreement executed for the Project.

TASK 02 – SURVEY

BOUNDARY SURVEY

Surveyor shall conduct a perimeter survey in accordance with the Standards of Practice for Land Surveying in North Carolina. Horizontal Control will be referenced to North Carolina Geodetic Survey datum NAD83 adjustment. As-built plans will be requested from NCDOT/GDOT to reference for right-of-way and easements. This information will be compiled into a composite plat to aid in the field recovery of property corners creating the exterior limits of the development. Easements of record will be shown and referenced if they can be established by deed or plat.

UTILITY DESIGNATION (PRIVATE UTILITY LOCATING)/LEVEL B

Conductive utilities will be marked utilizing Geophysical prospecting techniques in conjunction with radio, audio, and electromagnetic equipment. Multiple utility sweeps will be performed to identify any unknown conductive utilities. All non-conductive utilities will be marked utilizing above ground features utility plats and/or as built, and recollections. Utilities will be marked utilizing standard marking paint and/or flags and whiskers in accordance with APWA standard code to ensure accuracy in the collection of the information. Basic Maintenance of Traffic will be provided. Basic MOT includes the following: cones and signs as needed. Client will ensure access to all publicly owned parcels.

TOPOGRAPHIC/LOCATION SURVEY

Surveyor shall perform a topographic and location survey on the detailed areas of the proposed project corridor. A digital terrain model to define existing topography and grades for use in determining earthwork and property impacts will be created. The planimetric information necessary for design of improvements includes, but is not limited to, the following:

- Sufficient horizontal and vertical data points (spots and breaks) throughout the project corridor to create a digital terrain model to accurately define existing topography and grades for use in determining earthwork and property impacts;
- Drainage features survey shall include top of bank shots and channel shots with break lines to accurately depict drainage features within the survey limits;
- Drives- location, type and width;
- Buildings- location type and size;
- Parking lots- locations and layout;
- Landscape areas, woods lines, and trees (all trees in open areas 8" diameter and above)
- Signs- location, type and size;
- Pavement Markings;
- Fences- location, type and size; and
- Utilities (valves, manholes, meters and pedestals) - location and type. Locations of underground utilities will be based on above ground structures:

- Storm Drainage – location, size (with sizes labeled on each side of inlet), type, top, invert elevations, and inlet and outlet locations both inside and outside planimetric limits;
- Sanitary Sewer – location, size, type, top, and invert elevations;
- Water – location of valves, meters, and hydrants;
- Light Poles – location of poles and pole number; and
- Gas – location valves and meters.

DELIVERABLES

- > Base boundary, topographic and planimetric survey files in DWG format.

TASK 03 - 25% DESIGN PLANS

The Consultant will prepare design criteria and 25% Design Plans for submittal, modification, and approval by the Client. Design plans will include survey, jurisdictional wetland delineation, greenway alignment, profiles, access points, bridge locations, and typical cross sections for the greenway. Greenway design elements may include, but are not limited to, horizontal and vertical alignments, preliminary construction limits, preliminary structure siting, and preliminary flood modeling. Consultant will prepare a preliminary Opinion of Probable Construction Cost (OPCC) to be used by the Client to determine construction budget.

DELIVERABLES

- > 25% Plan Set including: Cover Sheet, General Notes, Typical Sections, Plan and Profile Sheets, Cross Section Sheets
- > 25% OPCC

TASK 04 - 50% DESIGN PLANS

Based on greenway design standards, site constraints and design criteria established in Task 03 and any Client comments received on the 25% Design Plans, the Consultant will develop 50% Design Plans for submittal, modification, and approval by the Client. Greenway design elements will include updated elements from the 25% Design Plans, superelevation, preliminary drainage, preliminary easements, railing locations, retaining wall locations and envelopes, utility conflicts, accessible curb ramp and driveway locations. Geotechnical investigations and recommendations will be completed by Consultant during this phase of design. Consultant will prepare a revised OPCC based on the 50% Design Plans to be used by the Client to validate and/or update construction budget.

DELIVERABLES

- > 50% Plan Set including: Updated sheets from 25% Design Plans, Detail Sheets, Impacted Parcel Index, Construction Access Plan, Traffic Control Plan (general notes and written phase description only), Preliminary Structures Plans (based on geotechnical information provided)
- > 50% OPCC
- > Geotechnical Recommendations Report
- > Preliminary Drainage Calculations

- > Preliminary Easement Exhibits

TASK 05 - 75% DESIGN PLANS

Based on any Client comments received on the 50% Design Plans developed in Task 04, the Consultant will develop 75% Design Plans for submittal, modification, and approval by the Client. Greenway design elements will include updated elements from the 50% Design Plans, utility relocations, traffic signal designs, erosion control design, and pavement marking/signage design. Consultant will prepare a revised OPCC based on the 75% Design Plans to be used by the Client to validate and/or update construction budget.

DELIVERABLES

- > 75% Plan Set including: Updated sheets from 50% Design Plans, Drainage Summary, Pavement Marking Plan, Signage Plan, Traffic Control Plan (phase drawings and pedestrian/roadway detour routes as necessary), Signal Plans, Utilities-by-Others (UBO) Plans, and Erosion Control Plans.
- > 75% OPCC

TASK 06 - UTILITY + RAILROAD COORDINATION

UTILITY COORDINATION

Consultant will identify ownership of private utilities (dry utilities) within the project corridor and coordinate with the utility owners on what will need to be relocated, adjusted, or abandoned. The design and adjustment of privately owned utilities will be the responsibility of the respective owners. Consultant will review utility relocations to make sure they do not conflict with the greenway design or each other. Consultant will contact the private owners and request the utility owners provide private utility relocation plans.

Consultant will develop Utilities by Others (UBO) plans which will be used in the field to verify existing utilities, locations, types, available sizes, and available services to buildings. Existing and proposed private utility locations will be shown on the UBO plans. The UBO plans will include retaining or removing existing utility poles and hand holes, and relocating utility services, provided by utility companies. Consultant will utilize information provided by private owners to determine restrictions to relocations. Such information will be utilized to determine the costs and benefits of shifting the alignment(s) versus relocating the private utility facilities.

Prior to the completion of the 25% Design Plans, Consultant will conduct a preliminary utility coordination meeting to review the proposed design with utility owners. The utility owners will be asked to begin drafting their conceptual private utility relocation plans at this time.

After 25% Design Plans are complete, plans will be provided to the utility companies to begin their investigations. Consultant will schedule a kickoff meeting with all known utility companies to discuss the proposed work and the potential impacts to the utilities. During the 50% Design Plans phase, Consultant will provide drainage design plans to all private utilities. Consultant will coordinate with utility owners to determine restrictions to relocations, and to

identify cost-prohibitive adjustments. This will occur such that development of private utility relocation plans, and any necessary easements may be coordinated and included in the 75% Design Plans. Consultant will work with utility owners to identify areas that may require additional permanent utility easements (PUE), advanced excavation (fill or cut) and/or tree clearing to prepare site for new pole locations. Consultant will conduct a final utility coordination meeting to review the proposed utility design with utility owners.

Utility Construction Plans consisting of any water and sewer relocation design, construction coordination of these relocations (both dry and wet utilities), and lighting coordination are considered Additional Services. Consultant will continue to assist with utility coordination efforts through the bid phase.

RAILROAD COORDINATION

The project requires railroad coordination as the greenway will cross railroads in four different locations (E Market St, S Dudley St, S Benbow Rd, and S English St). Three of the crossings will be grade-separated and one will be at-grade, featuring improvements to an existing pedestrian and roadway crossing. The crossings at E Market St and S Benbow Rd will both be a grade-separated underpass with no proposed modifications to the existing structure and will require coordination with Norfolk Southern (NS) and North Carolina Railroad (NCRR), respectively. The crossing at S Dudley St will be at-grade and focus on enhancing the existing pedestrian and roadway elements present. The proposed grade-separated crossing at S English St will be part of a future NCDOT-led project and coordination will not be a part of this project.

The Consultant shall coordinate only and shall not become responsible for design or construction by NCRR or NS as a result of performing the work of this task.

Initial Coordination

Consultant will obtain a Right-of-Entry from North Carolina Railroad (NCRR) and Norfolk Southern (NS) and the associated railroad protective liability insurance certificates to allow field survey activities. Any fees associated with this work shall be paid directly by the Client.

Design Coordination

Consultant will attend up to four (4) total coordination meetings with Rail Owners and/or the Rail Operators staff to present the crossing concepts to gather initial feedback. Consultant will prepare meeting minutes to document any feedback received.

Consultant will apply for a Preliminary Engineering (PE) Agreement with both NCRR and NS. Obtaining the PE Agreement will allow the NS General Engineering Consultant (GEC) to review railroad submittals. The Client will be required to pay the force account estimate for engineering services associated with the railroad reviews.

Consultant will develop and submit concept plans for the railroad crossings to NCRR and NS as a concept package required by NCRR and NS. These concept plans will be submitted prior to the 30% Design plans.

Plans associated with the railroad crossings will be submitted to both NCRR and NS for each of the 75%, 90% and 100% designs. Consultant will coordinate with both the NCRR and the GEC to incorporate comments after each of submittal.

EXCLUSIONS:

Not included in this scope is the coordination in obtaining the executed Construction Agreement (CA) with NCRR and NS. It is anticipated this work will be additional services and can be scoped at a later time. Before the CA can be executed, the Client will be required to pay the force accounts estimate for construction engineering/inspection and flagging services during construction.

TASK 07 – NEPA + PERMITTING

For the purposes of this project, the Consultant shall be required to submit, track, and apply for plan approval for Construction Documents from the appropriate agencies including code enforcement, floodway/ FEMA, NCDEQ, and Army Corps of Engineers. Approvals shall be the responsibility of the Consultant. Drawings, details, specifications, and studies necessary to obtain these approvals shall be the responsibility of the Consultant. All permit fees shall be paid directly by the Client. Permit submittals may include the following:

GREENSBORO STORMWATER DIVISION

Floodplain Development: Per local Floodplain Regulations, grading in the regulated floodway will require the submission of a Floodplain Development Permit (FDP) with certification requirements including a flood impact assessment (FIA) study. The Client understands that a no rise/no impact certification along with associated technical data is required. If CLOMR and LOMR are required, that task will be covered under additional services and are not included within this agreement. The Consultant will prepare the Floodplain Development Permit application and accompanying technical study and submit to the local floodplain administrator for review. Additionally, this includes observing local community floodplain and floodways and meeting documentation requirements of that process.

NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY

Consultant will design the erosion control plans by specifying erosion control measures, which minimize erosion and limit off-site sedimentation during construction of the project. The design will be in accordance with the requirements of the North Carolina Department of Environmental Quality (NCDEQ), Division of Energy, Mineral, and Land Resources (DEMLR).

Consultant will show erosion control measures and any special details not shown in the Erosion Control Manuals as part of the construction plan set. Following an initial review by the Client, Consultant will submit erosion control plans and supporting documentation to the Regional Office of NCDEQ for review and approval. Upon approval of the erosion control plans, Consultant will apply for the NCG01 permit. This scope of services includes responding to two rounds of comments from NCDEQ. Based on NCDEQ current review standards, a land disturbance permit will not be

issued until documentation of permit approvals and easement acquisition can be provided. The Client will be responsible for signing and notarizing the NCDEQ Financial Responsibility Form and paying the required review fees for the project.

NATIONAL ENVIRONMENTAL POLICY ACT COMPLIANCE

Consultant will provide the coordination, investigations, data collection and analyses to complete a Type I B Categorical Exclusion and coordinate with applicable agencies, NCDOT, and FHWA in order to obtain an approved signed document, pursuant to the 2019 Programmatic Agreement “Documentation Requirements and Approval Procedures for Federal-Aid Projects Classified as Categorical Exclusions”. Contractor will complete the “Type I or II Categorical Exclusion Action Classification Form” (v2019.2) or the most recent version if revised prior to completion. To complete the Categorical Exclusion Action Classification Form, Consultant will:

- Coordinate with the appropriate federal and state agencies to fulfil NEPA requirements as well as related statutes as applicable, including Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, Section 4(f) of the U.S. Department of Transportation Act of 1966, and Section 6(f) of the Land and Water Conservation Act;
- Complete sections A through E of Appendix E of the Categorical Exclusion Action Classification Form “Documentation Requirements and Approval Procedures for Federal-Aid Projects Classified as Categorical Exclusions” Programmatic Agreement, dated October 2019, which includes a description of the project, purpose and need, a description of proposed improvements, and special project information that briefly summarizes relevant project information that affected alternative selection which may include: costs, alternative analysis, traffic control and staging, and resource agency/public involvement; and
- Evaluate the impacts of the project and complete the checklist items in section F2 of Appendix E of the “Documentation Requirements and Approval Procedures for Federal-Aid Projects Classified as Categorical Exclusions” Programmatic Agreement, dated October 2019.

Natural Resources Technical Report

Consultant will prepare a Natural Resources Technical Report (NRTR) consistent with the NCDOT template and Preliminary Jurisdictional Determination (PJD) for the Project Study Area. Consultant will perform the following tasks for environmental studies:

- Develop a Study Area for the environmental reviews.
- Complete pre-field work activities such as gathering US Fish and Wildlife Service data on listed species, National Wetlands Inventory Mapping, Federal Emergency Management Agency Mapping (FEMA), etc.
- Delineate jurisdictional streams and wetlands within the Study Area. The identification of surface waters will be in general accordance with the USACE 1987 Wetland Delineation Manual and subsequent USACE clarification memorandums. Identification of streams will be in general accordance with the NCDEQ Identification Methods of the Origins of Intermittent and Perennial Streams.
- Verify riparian buffer requirements for streams within the Study Area.
- Review the Study Area for endangered and threatened plant species.
- Prepare a NRTR in the NCDOT format. Include stream and wetland data forms.

- Prepare PJD Request packet for submission to the US Army Corps of Engineers (USACE)/Division of Water Resources (DWR).

ARMY CORP OF ENGINEERS AND NORTH CAROLINA DIVISION OF WATER RESOURCES

Consultant will prepare and submit Section 401 and 404 permit applications for regulatory agency review. USACE reserves the right to make the determination as to what type of permit will apply based upon their review of the project plans. Consultant will prepare and submit on the Client's behalf the following:

- > Agent Authorization (Signed by Client),
- > JD Forms,
- > Pre-Construction Notification (PCN),
- > 401 Application Fee, and
- > a one (1) to two (2) page technical memo documenting federally protected species habitat assessment, NHP, SHPO, WRC, and USFWS coordination, pre-project summary, and proposed grading and stabilization/restoration.
- > The Consultant assumes one (1) field verification meeting with the USACE and NCDWR to verify jurisdictional features within the project boundary.
- > This scope assumes that environmental impacts will not exceed the threshold of NWP 42/ GC 4139 for recreational facilities. No environmental impact mitigation is included in this scope.

Deliverables:

- > Natural Resources Technical Report
- > Preliminary Jurisdictional Determination
- > Categorical Exclusion Document

CITY OF GREENSBORO DEVELOPMENT REVIEW

Consultant will coordinate plan approval or provide verification that Development Review is not required for the project.

NCDOT

The Consultant will develop encroachment packages for NCDOT maintained roads. Each encroachment shall include relative plans and delineations of work being performed as part of the greenway project within the NCDOT Right of Way. The Consultant shall fill out the appropriate encroachment and coordinate with the appropriate NCDOT District Office to ensure the Department is satisfied and approves of the proposed work.

DELIVERABLES

- > Approved Permits - Two (2) rounds of drawing revisions due to reasonable regulatory review are included in this Scope.

TASK 08 - COMMUNITY ENGAGEMENT

Meaningful public involvement allows the community to express concerns, contribute ideas, and gain a better understanding of the project as it relates to their community. The East Greensboro Greenway Feasibility Study included extensive public engagement that will be the foundation of this design project. Throughout the design process Consultant shall assist Client to perform additional stakeholder and public engagement as outlined in the subtasks below.

COMMUNITY ENGAGEMENT PLAN

Consultant will collaborate with Client to create a comprehensive Community Engagement Plan. The plan shall include activities and strategies through completion of 100% design and construction documents that will:

- > Identify all potential stakeholders, including local residents, businesses, government agencies, community organizations, environmental groups, and commuters.
- > Detail involvement of NCDOT Community Engagement Office and other community engagement partners that may be needed in review.
- > Create a stakeholder map that categorizes stakeholders based on their influence, interest, and impact to tailor engagement strategies for different groups.
- > Define the objectives of stakeholder engagement, such as gathering input, addressing concerns, and building support.
- > Specify strategies and methods for engaging different stakeholder groups, considering their unique needs and preferences.
- > Detail stakeholder engagement and public information activities (including the number of rounds and alignment with proposed design milestones)
- > Detail format, materials, schedule, location (virtual or in-person) and responsibilities for each activity.
- > Detail procedures for inviting participants to meetings and publicizing events.
- > Provide information on Environmental Justice (EJ) population (i.e. Limited English Proficiency, zero vehicle households, etc.) and best practices to share project information and solicit targeted feedback from these populations.

STEERING COMMITTEE

In coordination with the Client and Greensboro Urban Area MPO County, the steering committee formed during completion of the feasibility study will continue to meet to guide the development of the design effort. This group includes stakeholders along the study corridor, and membership may include: NCDOT, NCDEQ, NC A&T University, Bennett College, City of Greensboro staff, East Greensboro Now, and other stakeholders as advised by the Client. > McAdams will facilitate up to six (6) steering committee meetings, up to two (2) of which shall be in-person, that will meet throughout the design process. Consultant will strive to make each meeting meaningful through clear communication, careful preparation and agendas that move the study forward. The working group will be the main venue for conducting the analysis and work of the study.

DESIGN CHARETTE

Consultant shall hold up to three (3) in-person design charrettes prior to completion of Task 4 (50% design plans) to collect community feedback to inform the design of the East Greensboro Greenway. Topics covered may include lighting, wayfinding and signage, public art, rest areas, vegetations and tree plantings, and pedestrian and bicyclist safety improvements at signalized and unsignalized intersections as well as midblock road crossings. One (1) of the design charrettes shall be focused on the East Market Street Corridor and will be planned executed in close collaboration with NCA&T staff, and participants shall include NCA&T students and faculty as well as members of the public.

PUBLIC INFORMATION

Consultant will provide updated project information to the public through digital newsletters, social media posts, Consultant shall assist the client to provide information updates to the public throughout the course of design activities. Consultant shall prepare content and design up to three (3) digital newsletters to provide project updates and project information to the public. The first newsletter will be in the beginning stages of the design effort (25-50% design) the second newsletter will inform the public about design progress and permitting efforts (75% design) and the third newsletter will be published near the close of design activities (90-100% design) to prepare the community for construction activities. Additionally, Consultant shall prepare content for up to five (5) social media posts including graphics and captions. One (1) social media graphic and one (1) caption will be developed per post. Graphics and captions will be modified to the specific restrictions (size/aspect ratio/etc.) of each platform (Facebook, Instagram, X/Twitter, and LinkedIn).

DELIVERABLES

- > Community Engagement Plan
- > Steering Committee meetings (up to 6, 2 in-person)
- > Digital Newsletters (up to 3)
- > Social Media Content (up to 5)
- > Design charrette

TASK 09 - 90% DESIGN PLANS

Based on any Client comments received on the 75% Design Plans developed in Task 05, comments from coordination with utilities and the railroad in Task 06, and comments from permitting agencies in Task 07 the Consultant will develop 90% Design Plans for submittal, modification, and approval by the Client. Greenway design elements will include updated elements from the 75% Design Plans, final right-of-way / easements, and final drainage design. Consultant will prepare a revised OPCC based on the 90% Design Plans to be used by the Client to validate and/or update construction budget.

PROJECT MANUAL

Client-Provided Specification Data: The Client shall provide Client's standard front-end specifications and forms documents to the Consultant. The Consultant shall review the provided documents and shall meet with the Client to

review all project-specific edits that are required. Once reviewed and approved by the Client, the Consultant shall implement all project-specific edits as directed. The Consultant shall not modify the Client's standard specification documents beyond that approved and directed as project-specific requirements. The Consultant shall be responsible to assemble all specification data into the final set of Contract Documents. The Client-provided specification documents include the following:

- > Cover Page
- > Table-of-Contents
- > Notice to Bidders
- > Instruction to Bidders
- > General Conditions
- > M/W/SBE Provisions
- > Division 01 General Requirements
- > Forms (Standard Client Construction Forms)

Supplementary Conditions

The Consultant may develop and propose Supplementary Conditions of the Contract. However, all Supplementary Conditions must be approved by the Client prior to implementation into the Contract Documents.

Technical Specification Sections

The Consultant shall develop, provide, and coordinate technical specifications required for the project. Specifications shall be based on unit price bids and provided in NCDOT format.

DELIVERABLES

- > 90% Plan Set including: Updated sheets from 75% Design Plans, Earthwork Summary, and Final Structures Plans
- > 90% OPCC
- > Final Drainage Calculations
- > Preliminary Project Manual (specifications and special provisions)

TASK 10 - 100% CONSTRUCTION DOCUMENTS

Based on any Client comments received on the 90% Design Plans developed in Task 09, the Consultant shall prepare 100% Construction Documents, Specifications, and a final OPCC for submittal, modification, and approval by the Client. 100% Construction Documents will contain the comprehensive technical information necessary for accurate pricing/bidding and construction by qualified contractors, and be sealed by the appropriate licensed professional, i.e., landscape architect, professional engineer (civil/structural), etc., carrying professional liability insurance. Documents may require the preparation of "add-alternates or deducts" to meet budget requirements. If the Client requires any additional information to be included in the specifications, it will be provided to the Consultant by the Client for information purposes only.

BIDDING

The Consultant shall provide services as outlined in the “Formal Construction Project” procedure. Bid documents shall be prepared for Single Prime Contract. Bid documents shall be prepared for a unit price bid. Bid Documents will be distributed through the Consultant as PDF documents. Interested bidders shall contact the Consultant to be placed on the plan holder list and receive the PDF documents. The Consultant is fully responsible for the distribution of all addenda to the bidders.

The Consultant shall prepare any necessary written addenda (up to two assumed), or clarifications based on contractor’s questions and distribute it to all on the prospective bidder plan list.

The Consultant shall administer a pre-bid meeting with prospective contractors and suppliers for the project to answer questions regarding the project.

The Consultant shall administer a bid-opening meeting with prospective contractors and collect bids for the project.

The Consultant shall review for “equivalency” and approve reasonable contractor and supplier requests for substitutions of materials that are presented prior to the bid opening and prepare written addenda and distribute it to all on the prospective bidder plan list.

The Consultant shall determine if the low bidder is properly licensed to perform the Work.

The Consultant shall prepare a certified bid tab and bid recommendation to the Client for governing body review and approval.

DELIVERABLES

- > 100% Construction Plans including: Updated sheets from 90% Design Plans
- > 100% OPCC
- > Final Project Manual
- > Bid Addenda
- > Certified Bid Results and Responsive Low Bidder Recommendation

NOTES

Drawings shall comply with applicable requirements of the Americans with Disabilities Act and Accessibility Guidelines (A.D.A.A.G.) and current applicable State and local codes. AASHTO criteria shall govern greenway alignment and details. Specifications must comply with North Carolina G.S. 133-3 as ratified July 1993 for competitive items and substitution of materials.

Documents may require the preparation of "add-alternates" or deducts to meet budget requirements. This scope assumes up to two (2) add-alternates.

PROJECT SCHEDULE

Milestone	2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Task 1. Project Management + Grant Administration												
Project Kick-off Meeting/NTP			◇									
Bi-Weekly Coordination Meetings			◇	◇	◇	◇	◇	◇	◇	◇	◇	◇
Grant Administration												
Task 2. Surveys												
Geotechnical												
Subsurface Utilities Engineering												
Topographic/Location Survey												
Task 3. 25% Design Plans												
25% Design												
Task 4. 50% Design Plans												
50% Design												
Task 5. 75% Design Plans												
75% Design												
Task 6. Utility and Railroad Coordination												
Task 7. Environmental Review and Permitting												
NEPA												
Section 401/404 Permits												
Task 8. Community Engagement												
Steering Committee				◇	◇	◇	◇	◇	◇	◇	◇	◇
Design Charette												
Public Information												
Task 9. 90% Design Plans												
90% Design												
Task 10. 100% Construction Documents												

◇ Meeting

PROJECT BUDGET

Task 1: Project Management + Grant Administration (approximately 3% of design cost)	\$53,000
Task 2: Survey	\$420,000
Task 3: 25% Design Plans	\$263,000
Task 4: 50% Design Plans	\$315,000
Task 5: 75% Design Plans	\$210,000
Task 6: Utility and Railroad Coordination	\$189,000
Task 7: Environmental Review and Permitting	\$105,000
Task 8: Community Engagement	\$79,000
Task 9: 90% Design Plans	\$158,000
Task 10: 100% Construction Documents	\$26,000
Contingency (5%)	\$89,000
Total	\$1,907,000

CONCLUSION

We appreciate the opportunity to propose our services and look forward to continuing to serve the City of Greensboro.

Sincerely,

MCADAMS



Andrew Hickling, PE

Active Transportation Practice Lead, Transportation Department