

WORK AUTHORIZATION FORM

STONECREST, GEORGIA

TO: Arcadis U.S., Inc.
2839 Paces Ferry Road
Suite 900
Atlanta, Georgia 30339

Work Authorization No.	<u>12c</u>
Submittal Date	<u>03/04/2024</u>
Date to Commence Services	<u>04/01/2024</u>
Date of Completion	<u>12/31/2024</u>

SUBJECT: Work authorization for:

Project Name:	<u>Turner Hill Road at Hayden Quarry Road – Concept Design</u>
Project Number:	<u>N/A</u>
Contract Number:	<u>1231546</u>

Arcadis U.S. Inc. is hereby authorized to perform the project scope of work services (*attached as Exhibit A*) in accordance with the above referenced Contract executed March 15, 2021, with Dekalb County, Georgia. This Work Authorization is executed with the City of Stonecrest, Georgia in accordance with Appendix I, Section V (O) - Cooperative Procurement, which extends the same terms and conditions contained within the referenced Contract.

Payment will be in accordance with the above referenced Contract, as applicable.

Total Lump Sum Cost - **\$ 60,000.00**

Agreed as to scope of services, time, schedule, and cost, this _____ day of _____, 20_____.

CITY OF STONECREST, GEORGIA

Arcadis U.S., Inc.

By: _____
Honorable Jazzmin Cobble
Mayor
Stonecrest, Georgia

By: _____
Matt McDow
Vice President

Exhibit A - Scope of Services

This Work Authorization is to complete a Traffic Analysis/Report, Environmental Screening, and Concept Design for Intersection Improvements at the Intersection of Turner Hill Road and Hayden Quarry Road.

The Scope includes:

Phase I: Traffic Analysis

A) Traffic Engineering (TE) Study:

- 1) Collect data necessary to complete a traffic study for the intersection. Data collection to include traffic counts, five-year crash history, and site visit.
- 2) Prepare existing and future traffic volumes following the GDOT Office of Planning methodology.
- 3) Complete traffic analysis for the intersection including existing, no-build, and build for open and design year.
- 4) Analysis will include Intersection Control Evaluation (ICE) analysis utilizing GDOT's ICE Tool.
- 5) Evaluate two build alternatives.
- 6) Prepare a TE Study that describes evaluations methodology, results, and recommendations for the preferred alternative at the intersection.

Phase II: Environmental

A) Environmental Screening:

- 1) Conduct site visit and desktop screening for environmental concerns and any required future permitting which may be applicable to the project in future design phases and construction.
- 2) Prepare an Environmental Screening Summary Memorandum

Phase III: Design

A) Concept Development:

- 1) Complete conceptual design development and layout for intersection improvements for two alternatives identified through the results of the TE Study.
 - a) One alternative is assumed to be a single-lane roundabout.
 - b) The Concept design will be restricted to development of general footprint through 2-dimensional analysis and not incorporate 3d design or models for detailed earthwork and limits.
 - c) For the conceptual roundabout layout, fastest paths analysis and calculations will not be completed as required by GDOT's full design process.
 - d) It is assumed that each of the alternatives will involve realignment of the western leg of the intersection to correct the deficient skew angle and alleviate the existing offset intersection.
- 2) Prepare Concept Display and Cost Estimate for two alternatives.
- 3) Conduct Concept Meeting with the City of Stonecrest.
- 4) Prepare revisions and submittal of (1) Preferred Alternative Concept Display and Cost Estimate.

Deliverables:

- 1) Traffic Engineering Study (pdf)
- 2) Concept Display
 - a. Roll map display for Concept Meeting (two alternatives)
 - b. e-file (pdf) for two alternatives.
 - c. Final Preferred Alternative (pdf)
- 3) Environmental Screening Memo (pdf)

Assumptions/Exclusions:

- 1) The scope of services includes a Kickoff and Concept Meeting. Additional meetings are excluded.
- 2) Revisions following the Concept Meeting will be reserved to one review with one round of comments. The revisions to the preferred alternative will establish the final deliverables.
- 3) All deliverables are e-submittals unless otherwise noted.
- 4) Traffic Volumes, analysis, and reports will not be submitted to GDOT for approval.
- 5) The Concept Report will utilize a Limited Scope Template but will not require GDOT approval or encompass full GDOT requirements.
- 6) A Public Meeting or any stakeholder meetings are not required.
- 7) The Environmental Screening is desktop in nature and does not include special studies, detailed field work and reports, outside coordination with public agencies, or approval by GDOT.
- 8) All work is conceptual in nature and does not include any tasks associated with Preliminary Plans, R/w Plans, Final Plans Design, or Construction activities.

FEE SCHEDULE:

Arcadis will perform the Scope of Services for a lump sum labor fee as detailed below.

Phase	Description	Amount
1	Traffic Engineering	\$19,754.54
2	Environmental Screening	\$5,790.54
2	Concept Development	\$34,454.92
	Total:	\$60,000.00

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in three counterparts, each to be considered as an original by their authorized representative.

Arcadis, U.S., Inc.

STONECREST, GEORGIA

By: _____ (SEAL)

Signature

Matt McDow

Name (Typed or Printed)

Vice President

Title

57-0373224

Federal Tax I.D. Number

_____ by **Dir.** (SEAL)

Honorable Jazzmin Cobble

Mayor

City of Stonecrest

Date

ATTEST:

Signature

Name (Typed or Printed)

Title

ATTEST:

Sonya Isom

City Clerk

City of Stonecrest

APPROVED AS TO SUBSTANCE:

City Engineer