



4800 Ashford Dunwoody Road
Dunwoody, Georgia 30338
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MEMORANDUM

To: Mayor and City Council

From: Ishri Sankar, Capital Projects Manager

Date: September 14, 2020

Subject: **Approval of Design Contract Amendment with AECOM for Intersection Improvements at Chamblee Dunwoody Road and Womack Road**

BACKGROUND

The Chamblee Dunwoody Road at Womack Road intersection is currently entering the final design stage. During the preliminary design, storm water deficiencies were identified on Chamblee Dunwoody Road that need to be addressed as part of the intersection project. To address the deficiencies, the stormwater flowing southward on Chamblee Dunwoody Road needs to be collected along the roadway and discharged into the existing storm network which is approximately 625 feet away. The additional surveying and design needed for the extended stormwater infrastructure was not anticipated as part of the original design scope.

Since the new stormwater pipe will require removal of the existing curb and sidewalk, it is proposed to build new curb and sidewalk to match the wider sidewalk recently completed on the east side of Chamblee Dunwoody Road. As discussed at the August 24th Council meeting, the sidewalk would be 6 feet wide sidewalk with a grass buffer varying between 2 and 4 feet in most locations except where utility and right of way constraints require the buffer to be reduced. AECOM has provided an estimate not to exceed \$28,670 to update the plans to include new storm drainpipes and upgrade the curb and sidewalk.

RECOMMENDED ACTION

Staff requests authorization to increase AECOM's contract by \$28,670 to \$130,580 for final design and construction documents.

August 3rd, 2020

Mr. Michael Smith
Director of Public Works
Attn: Mr. Ishri Sankar, PE
City of Dunwoody
4800 Ashford Dunwoody Rd.
Dunwoody, GA 30338

**Re: Change Order #1 – Drainage & Shoulder Improvements South to Nerine Circle
Scope and Fee Proposal
Womack Rd. at Chamblee Dunwoody Rd. Intersection Improvement**

Dear Michael,

Enclosed please find our technical proposal and fee estimate for additional scope to extend the proposed, closed drainage system south along Chamblee Dunwoody Road (CDR) to the nearest existing closed system drainage which is in the general area of Nerine Circle. The intent will be to follow the plan spelled out in Ishri's email dated May 4th, 2020 which is attached to this letter as Exhibit A.

"...As such, I would like to propose this idea. We install the new structure at Manget Way and then cross Chamblee Dunwoody to the West side with our new closed drainage. We would then install new curb, beauty strip, closed drainage and sidewalk on the west side. We could then utilize the existing crossing at 5210 Chamblee Dunwoody Road – although the pipe may need to be upsized if it's not at 18" RCP. We would continue the curb and sidewalk upgrades to the southern Nerine Circle for a logical terminus. This would also give us the ability to analyze and fix any gutter spread issues on the west side."

Task 1 – Survey

Accura Engineering will perform topographic and property survey. The previously established CDR survey corridor will be extended south approximately 900-ft to the southern intersection of Nerine Circle. The corridor width on the east shoulder will be reduced since no construction is expected to occur on that side. The survey will take approximately four (4) weeks to complete after notice to proceed.

Task 2 – Design

AECOM will develop the construction plans and quantities necessary to illustrate the proposed drainage changes and shoulder improvements. The plans will utilize the same conventions as and be incorporated into the overall plan set for Womack Road at Chamblee Dunwoody Road Intersection Improvement Project.

The affected plans sections are listed below. Approximately twenty (20) additional drawings are anticipated.

- Section 1 – Cover
- Section 2 – Index
- Section 4 – General Notes
- Section 5 – Typical Sections
- Section 6 – Summary of Quantities
- Sections 13 – Roadway Construction Plans
- Section 17 – Driveway Profiles
- Section 21 – Drainage Area Map

- Section 22 - Drainage Profiles
- Section 23 - Earthwork Cross-Sections
- Section 24 - Utility Plans
- Section 54 – Erosion Control Plans (BMP's only)
- Section 60 – Right of Way Plans

Existing vegetative buffers: Several of the properties along the west side of CDR (5254 CDR being the most critical) with existing landscaped, vegetative buffers. These buffers may be impacted by the proposed shoulder improvements. AECOM will evaluate avoidance and minimization options. If it is not feasible, the City may want to consider replacing these buffers. Scope for landscaping is not included in this proposal but can be added at the City's discretion.

Task 4 –MS4

The project will now result in over 5,000 SF of new impervious area and, as such, will be subject to the City's MS4 policy. The MS4 scope and fee included in this proposal applies only to the 900-ft of additional project area recently added down to Nerine Circle. As a further condition, the City will need to authorize the MS4 contingency budget from the original proposal for AECOM to complete the full MS4 scope for the entire project.

Deliverables

The deliverable will be the same as originally proposed; however, the plan set will now include additional sheets and accommodations to cover down to Nerine Circle.

Meetings

No meetings are included in this proposal.

Excluded from the scope of services

The following items are excluded from the scope and fee.

- SUE services. Per previous discussions, the City will conduct any necessary SUE.
- Landscape and hardscape design
- Utility coordination. It is assumed that the City will lead the coordination activities.
- No GDOT coordination or submittals are included.
- The design fee does not include hours for significant modifications to the vertical alignment of the existing road.
- Right of way staking
- Public meetings or other public outreach
- Environmental permitting
- Traffic counts
- Construction oversight or administration
- Irrigation design
- NEPA services
- Permitting for traffic signal modifications
- Lighting design
- Shop drawing review
- No Phase I or II ESA scope or fee has been included
- Special provisions
- No detention or drainage studies beyond storm sewer design and MS4
- Geotechnical elements such as pavement evaluation, soil survey, and wall/bridge foundation investigations

Fee

AECOM will fulfill the scope outlined herein for the **lump sum fee of \$28,670.**

This fee is broken down by task below. A detailed hourly breakdown can be provided upon request.

Task 1: Survey	\$ 6,330
Task 2: Roadway Design	\$ 18,835
Task 3: MS4	\$ 3,505
Total	\$ 28,670

Note that the City will need to authorize the MS4 contingency budget from the original proposal in addition to the MS4 amount above for AECOM to complete the MS4 design for the entire project.

Schedule

AECOM anticipates a total duration of eight (8) weeks to complete the scope as outlined in this proposal; this includes three (3) weeks for survey and five (5) weeks for design.

Project Management

Will Sheehan, P.E. will be the project manager and point of contact for this project. Project invoices will be submitted to the City on a monthly basis.

We look forward to continuing quality work with the City of Dunwoody. Please feel free to contact Will Sheehan at 678.808.8962 or by email to william.sheehan@aecom.com should you have any questions.

Thank you.



Garrick Edwards, P.E.
Director of Transportation



Will Sheehan, P.E.
Roadway Engineer