CITY OF OPELIKA
CITY COUNCIL
WORKSESSION MEETING AGENDA

300 Martin Luther King Blvd.

October 19, 2021

TIME: 6:50 PM

1. CALL TO ORDER
    1. George Allen, Erica Norris, Robert Lofton, Todd Rauch, Eddie Smith

2. PRESENTATIONS

3. RESOLUTIONS
    1. Approve Change Order #1 Robinson Paving Co. for the Northpark Drive Improvement Project - ENG.
    2. Approve Proposal for Engineering Services with CDG for Design of Industrial Access Road for Project Crown - ENG.

4. ORDINANCES

5. GENERAL UPDATES

6. REVIEW/DISCUSS CURRENT COUNCIL MEETING AGENDA

7. GENERAL / DISCUSSION

8. END OF WORK SESSION

"In compliance with the Americans with Disabilities Act, the City of Opelika will make reasonable arrangements to ensure accessibility to this meeting. If you need special assistance to participate in this meeting, please contact the ADA Coordinator 72 hours prior to the meeting at (334)705-2083."

RESOLUTION NO. _____

RESOLUTION APPROVING CHANGE ORDER NUMBER 1 TO THE CONSTRUCTION CONTRACT WITH ROBINSON PAVING COMPANY FOR NORTHPARK DRIVE IMPROVEMENTS

WHEREAS, the City Council of the City of Opelika, Alabama previously approved a Construction Contract (the "Contract"), dated as of June 15, 2021, by and between the City of Opelika, Alabama (the "City") and Robinson Paving Company ("Robinson") for improvements to Northpark Drive (the "Project"); and

WHEREAS, the Engineering Department and the consultant construction engineering and inspection company, TTL, have determined that it is in the best interest of the Project to add pavement removal and an asphalt patching pay quantity item to the contract so that the structure and strength of the final pavement will be able to endure increased truck traffic on the industrial roadway; and

WHEREAS, Change Order Number 1 to the Construction Contract between the City and Robinson has been submitted to the City Council for approval; and

WHEREAS, Change Order Number 1 will increase the total contract amount by an additional $149,950.10 resulting in a new contract amount of 1,713,579.78; and

WHEREAS, said Change Order is necessitated by the addition of the pavement removal (milling) and asphalt patching pay item, and

WHEREAS, the City Engineer has reviewed all prices and documentation and found them to be reasonable, fair and equitable and recommends approval of Change Order Number 1; and

WHEREAS, the City Council endorses the statements, findings and recommendations of the City Engineer and hereby finds and determines that it is in the public interest to approve

Change Order Number 1; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Opelika, Alabama, as follows:

1. That Change Order Number 1 to the Construction Contract dated June 15, 2021, between the City and Robinson, a copy of which Change Order is attached hereto and incorporated herein by reference as Exhibit "A", is hereby approved.

2. That the Mayor is hereby authorized and directed to execute Change Order Number 1 in the name and on behalf of the City.

3. That the officers of the City and any person or persons designated and authorized by any officers of the City to act in the name and on behalf of the City, or any one or more of them, are authorized to do or cause to be done or performed in the name and on behalf of the City such other acts and to execute and deliver or cause to be executed and delivered in the name and on behalf of the City such other notices, certificates, assurances or other instruments or other communications under the seal of the City or otherwise, as they, or any of them deem necessary or advisable or appropriate in order to carry into effect the intent of the provisions of this Resolution and the attached Change Order Number 1.

4. That the amount of the Change Order shall be paid from the Future Capital Project Fund.

5. That the Controller is hereby authorized to make such budget adjustments and accounting entries as necessary to carry into effect the provisions of this Resolution and Change Order.

6. That the Revenue-Purchasing Manager is authorized and directed to issue all necessary and appropriate purchase orders to implement this Resolution.

7. That this Resolution shall take effect upon its passage and adoption by the City Council.

ADOPTED AND APPROVED this the _____ day of _____, 2021.

_____
PRESIDENT OF THE CITY COUNCIL OF THE CITY OF OPELIKA, ALABAMA

ATTEST:

_____
CITY CLERK

CITY OF OPELIKA
CHANGE ORDER

PURCHASE ORDER NUMBER 2104237 **CHANGE ORDER NUMBER** 1
DATE PO ISSUED 6/23/2021 **EFFECTIVE DATE OF CHANGE** 10/20/2021
BID NUMBER 21018 **ACCOUNT NUMBER** -09-9333-430-098061
DEPARTMENT Engineering
VENDOR/CONTRACTOR

Robinson Paving Company
5425 Shatulga Road
Columbus, GA 31907

DESCRIPTION OF PROJECT AND REASON FOR CHANGE:

The Engineering Department and the construction engineering and inspection consultant TTL, Inc., has determined that it is in the best interest of the project to add an asphalt patching pay item to the contract so the structure and strength of the final pavement will be able to endure the increased truck traffic of the industrial roadway. The original condition of the asphalt surface was unforeseen until the Walmart Distribution Center detour caused the existing pavement to fail under the increased truck loading.

The items and cost for the increase to the contract can be listed in the following attachment. The Engineering Department has reviewed the cost with TTL and find all of the proposed changes fair and reasonable and within the original scope of the contract. These items will need to be added to the contract with these changes.

ORIGINAL CONTRACT AMOUNT:	$1,563,629.68
CONTRACT AMOUNT PRIOR CHANGE:	$1,563,629.68
THIS INCREASE:	$149,950.10
THIS DECREASE:	$0
NEW CONTRACT AMOUNT:	$1,713,579.78

CHANGE APPROVED AND ADOPTED THIS _____ **DAY OF** _____, 2021

_____
GARY FULLER
MAYOR

City of Opelika
Northpark Drive Improvements

City of Opelika Bid No. 21018
TTL Project No. 20-10-00421.00

UPDATED 7 OCTOBER 2021

Change Order No. 1

September 29, 2021

Item No.	Quantity	Unit	Description	Unit Cost	Total Cost
CHANGE ORDER NO. 1					
General, Demolition, Clearing, Grubbing, and Earthwork					
CO1	1	l.s.	Mobilization and Demobilization	$100.00	$100.00
CO2	3700	s.y.	Milling/Planing Existing Pavement (Thickness Varies)	$8.00	$29,600.00
Base, Pave, and Curb and Gutter Improvements					
CO3	520	ton	Bituminous Concrete Upper Binder Layer, Patching, 1" Max Aggregate Mix (ALDOT 424B) (2.5" Max Compacted Thickness)	$119.33	$62,051.60
CO4	450	ton	Bituminous Concrete Lower Binder Layer, Patching, 1" Max Aggregate Mix (ALDOT 424B) (2.5" Max Compacted Thickness)	$119.33	$53,698.50
Traffic Control					
CO5	3	each	Portable Changeable Message Board	$1,500.00	$4,500.00
			Total Change Order No. 1		$149,950.10

The areas to be milled and patched (along with the depth) will be marked by TTL.
See attached Determination of Pay Quantities
Additional Calendar Days shall be provided to complete these revised improvements.

RESOLUTION NO. _____

RESOLUTION APPROVING PROPOSAL FOR ENGINEERING SERVICES BY AND BETWEEN THE CITY OF OPELIKA, ALABAMA AND CDG ENGINEERING & ASSOCIATES, INC., FOR ACCESS ROAD FOR THE FUTURE DEVELOPMENT OF "PROJECT CROWN" IN THE NORTHEAST OPELIKA INDUSTRIAL PARK

WHEREAS, the City of Opelika, Alabama (hereinafter called the "City") desires to construct an access road for the future development of "Project Crown" in the Northeast Opelika Industrial Park (the "Project"); and

WHEREAS, professional engineering services are needed for the Project; and

WHEREAS, CDG Engineering & Associates, Inc., ("CDG") is a professional engineering firm that possesses the requisite knowledge, skill and resources to provide design engineering services for the Project; and

WHEREAS, the City has received a Proposal for Design Engineering Services from CDG, including surveying, geotechnical services, roadway plans, water and sewer design, traffic signal design services and bid letting assistance and contract procurement services; and

WHEREAS, the estimated compensation due to CDG under the proposal is $112,000, which shall come from the Unassigned Fund Balance; and

WHEREAS, City staff recommends CDG to perform said services; and

WHEREAS, the City Council has reviewed the Proposal submitted by CDG and has determined that it is in the best interest of the City to enter into a contract with CDG for professional design engineering services.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Opelika, Alabama (the "City"), as follows:

1. That the Proposal submitted by CDG Engineering & Associates, Inc., a copy of which is attached hereto as Exhibit "A", be and the same is hereby approved, authorized, ratified

and confirmed in the form substantially submitted to the City Council with such changes thereto (by addition, deletion or substitution) as the Mayor shall approve which approval shall be conclusively evidenced by execution and delivery of said Proposal.

2. That the Mayor is hereby authorized to execute and deliver or cause to be executed or delivered in the name and on behalf of the City the proposal and such other agreements, contracts, notices, certificates, assurances or other instruments or other communications as he deems necessary or appropriate to carry into effect the intent of the provisions of this Resolution.

3. That the compensation to be paid to CDG under and pursuant to the Proposal shall come from the Unassigned Fund Balance. The Controller is hereby authorized and directed to make all necessary and appropriate budget adjustments to implement this Resolution.

4. That the Purchasing-Revenue Manager is hereby authorized and directed to issue a purchase order to CDG for the provision of design engineering services as outlined in the Proposal attached hereto.

5. That this Resolution shall take effect upon its passage and adoption by the City Council.

ADOPTED AND APPROVED this the _____ day of _____, 2021.

_____
PRESIDENT OF THE CITY COUNCIL OF THE CITY OF OPELIKA, ALABAMA

ATTEST:

_____
CITY CLERK

197 East University Drive
Suite #1
Auburn, AL 36830
Post Office Box 2155
Auburn, AL 36831
Tel (334) 466-9431
Fax (334) 466-9430

cdge.com

October 7, 2021

Mr. Scott Parker, PE
City of Opelika - City Engineer
P.O. Box 390
Opelika, Alabama 36803-0390

Reference: Opelika Park North Industrial Access Road
Opelika, Alabama
CDG Reference Number: R071321395

Dear Mr. Parker:

CDG Engineers & Associates, Inc (CDG) is pleased to submit this proposal to provide professional civil engineering services for the above referenced project. CDG understands that the Alabama Department of Transportation (ALDOT) anticipates award of Industrial Access funding to construct an access road for the future development of "Project Crown" in the North Opelika Industrial Park in Opelika, AL. The scope of work includes grade, drain, base, and pave of a new 25' wide two-lane access road, approximately 1,250 feet in length with curb and gutter. A closed storm drainage system, roadway lighting, and extension of water and sewer service will also be included in the project. We understand that the City owns and maintains the necessary right-of-way for the proposed roadway.

The scope of work has been prepared in a manner to follow the ALDOT procedures for plan development and construction approval. Our services for this proposal will generally include the following tasks to complete this project, which are hereafter described in more detail:

- Field Survey
- Geotechnical Services
- Roadway Plans (including Lighting Plans)
- Water and Sewer Design
- Letting Assistance & Contract Procurement

Field Survey

Our Field Survey services will be provided to aid detailed project design. Generally, the scope will include topographic surveying of existing conditions of the proposed roadway alignment. This proposal is based on the following specific tasks:

- Collection of field surveying data adequate for the layout and grading of proposed alignments, including the following:
    - Existing drainage and topographic features;
    - Location of existing right-of-way (ROW);
    - Location of both above ground and below ground utilities based on Alabama 811 (in accordance with CI/ASCE 38-02 Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data - Utility quality level C).
- CDG will prepare this survey in accordance with the current edition of the Standards of Practice for Land Surveying in the State of Alabama;
- The Survey shall be tied to the Alabama State Plane Coordinate System NAD83 (East Zone) and elevations will be referenced to NAVD88 Datum, 2011 geode model 12A.

Geotechnical Services

Our proposed scope of geotechnical services will be performed in general accordance with ALDOT's *State of Alabama Geotechnical Manual* (dated September 7, 2021). Due to the relatively minor slopes anticipated for the project, a slope study is not included in the scope. There are no bridges or retaining walls planned. Preliminary grading information indicates that maximum cuts and fills will be less than 5 feet.

In general, our services will include a subsurface exploration, laboratory soil testing, engineering evaluation, and preparation of a geotechnical report containing our findings and conclusions. Specifically, our proposed scope of services consists of the following:

- Site reconnaissance, soil test boring layout, and geologic map review. Boring locations and elevations will be identified in the field using surveying equipment.
- Mobilization of a truck-mounted drilling rig and 9 soil test borings in the proposed road area. Borings will extend to a depth of 15 feet below the existing ground surface or to refusal, whichever occurs first. Borings will contain Standard Penetration Tests at 2½-foot intervals in the upper 10 feet and on 5-foot centers thereafter.
- Installation of two 2-inch diameter PVC piezometers (total of 40 feet) to determine delayed groundwater readings.
- Laboratory tests to determine site-specific soil classification characteristics. Tests will include the following: Natural Moisture

Content, Grain Size Analysis and Atterberg Limits. Minimal existing topsoil is likely to be present at the site; therefore, topsoil testing is not included.

- Design of a new pavement section in accordance with AASHTO design procedures employing traffic information provided by others and an assumed soil subgrade support value based on our experience in the project area.
- Evaluation of the information gathered during the subsurface exploration and laboratory testing program and preparation of a geotechnical engineering report containing our findings and conclusions. The report will address the following items:
    - Site and project descriptions;
    - Local geology and its implications for the proposed development;
    - Subsurface conditions encountered at the boring locations;
    - Groundwater measurements at the time of the field work and delayed measurements at the piezometer locations;
    - Laboratory testing results;
    - Recommendations for subgrade preparation including treatment of unsuitable soils, reuse of on-site soils as fill and/or improved roadbed; and
    - Pavement section recommendations for the new industrial access road.

Roadway Plans

CDG will complete the final plan assembly detailing items of work necessary to complete construction of this project. The plan assembly will reference the ALDOT Standard Specifications for Highway Construction.

It is anticipated the plan assembly will include:

- Completion of final roadway construction plans. The plan assembly will likely include:
    - Typical Sections
    - Geometric Layout Sheets
    - Plan/Profile Sheets
    - Utility Sheets
    - Drainage Sections
    - Paving, Signing and Striping Layouts
    - Roadway Lighting Sheets

- Erosion and Sediment Control Plans
- Traffic Control Sheets
- Cross Sections
- Earthwork Summary Sheet
- Associated project notes, details and drawings

- Integration of Materials Report recommendations into plan assembly;
- Completion of project specifications and contract book;
- Future traffic counts will be produced based on trip generation and/or information provided by the incoming industry. No existing counts will be necessary;
- Preparation of construction cost estimate(s);
- Preparation of a Construction Best Management Practices Plan (CBMPP) document;
- Preparation of a National Pollutant Discharge Elimination System (NPDES) permit application. Required Fees will be the responsibility of the City;
- Submittal of comprehensive design package to City and ALDOT for review and approval. To facilitate approval of final plans, we propose the following review schedule:
  - 30% Plan Submittal and Review
  - 60% Plan Submittal and Review
  - 90% Plan Submittal and Review
  - Final Plan Submittal and Review

Water and Sewer Design

CDG will incorporate plan sheets to include the design of a water distribution main, gravity collection sewer main, and associated appurtenances along the proposed roadway right-of-way. The water and sewer design with include the following:

- Preparation of a preliminary alignment of both utilities and completion of review with the City and with Opelika Utilities (OU);
- Following City and OU review and approval of the alignment, prepare 90% plans to include plan and profile, as well as all required details associated with the mains;

- Preparation of technical specifications and incorporation into the overall Contract Documents. We will coordinate with OU's consultant to acquire any specifications desired by OU;

- Complete a review of 90% plans and specifications with the City and OU and revise to complete final documents;

- Prepare a construction cost estimate;

- During the letting and contract procurement phase described below, we will assist in answering any contractor questions, review submittals, and coordinate communication with OU.

It is not anticipated at this time that any permitting or easements will be required for the water and sewer extensions.

Letting Assistance & Contract Procurement

CDG will assist the City with a local bid letting, generally consisting of the following services:

- Upon City and ALDOT approval to bid, preparation of Notice of Advertisement to bid;
- Respond to Contractor requests for information during bid procurement;
- Fulfill Contractor orders for project plans;
- Assistance with local bid letting;
- Review bids and make recommendation of award to the City and ALDOT;
- Contract Procurement;
- Design team attendance at the Pre-Construction Meeting

Project Fee

CDG proposes to complete the above-described scope of services on a lump sum basis according to the schedule below. At the request of the City, a 5% contingency services budget is also included. Services under the contingency budget will be undertaken at the City request and negotiated as written amendments to the engineering services agreement.

Project Phase	Proposed Fee
Field Survey	$4,245
Geotechnical Services	$18,085
Roadway Plans	$61,030
Water and Sewer Design	$17,550
Letting Assistance & Contract Procurement	$5,760
Subtotal	**$106,670**
Contingency (5%)	**$5,330**
Total	**$112,000**

Please note that the following services are excluded from this proposal:

- Boundary Surveys;
- Right-of-Way tracts sketches and deeds;
- Right-of-Way negotiations and acquisition services;
- Relocation of any existing utilities;
- Construction & Engineering Inspections services;

We sincerely appreciate the opportunity to submit this proposal. Should you have any questions or need additional information regarding the proposal contents, please do not hesitate to call.

Sincerely,

CDG Engineers & Associates

T.J. Kelley
Project Manager

Matt Hawes, P.E.
Transportation Practice Leader