



Huntsville, Alabama

308 Fountain Circle
Huntsville, AL 35801

Cover Memo

Meeting Type: City Council Regular Meeting **Meeting Date:** 6/22/2023

File ID: TMP-3019

Department: Engineering

Subject:

Type of Action: Approval/Action

Resolution authorizing the Mayor to execute Modification No. 4 to the agreement between the City of Huntsville, Alabama and Barge Design Solutions, Inc., for Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431, Project No. 65-10-RD08.

Resolution No.

Finance Information:

Account Number: 4018-71-00000-524042-00000000-

City Cost Amount: \$37,388.00

Total Cost: \$1,080,940.00

Special Circumstances:

Grant Funded: N/A

Grant Title - CFDA or granting Agency: N/A

Resolution #: N/A

Location: (list below)

Address: N/A

District: District 1 ☐ District 2 ☐ District 3 ☐ District 4 ☐ District 5 ☐

Additional Comments:

Modification No. 4 between City of Huntsville and Barge Design Solutions, Inc. for Huntsville Northern Bypass from 1.2 miles East of Pulaski Pike to U.S. Highway 431, consisting of updating plans to include intersection and signal modifications at U.S. Highway 431. Project No. 65-10-RD08.

RESOLUTION NO. 23-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to execute Modification No. 4 to the original Agreement between the City of Huntsville, Alabama and Barge Design Solutions, Inc., for Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431, Project No. 65-10-RD08.

BE IT FURTHER RESOLVED that the total contract amount be and hereby is modified from EIGHT HUNDRED SEVENTY-FIVE THOUSAND SEVEN HUNDRED FORTY-TWO AND NO/100 DOLLARS (\$875,742.00) to ONE MILLION EIGHTY THOUSAND NINE HUNDRED FORTY AND NO/100 DOLLARS (\$1,080,940.00), including this Modification No. 4, an increase of THIRTY-SEVEN THOUSAND THREE HUNDRED EIGHTY-EIGHT AND NO/100 DOLLARS (\$37,388.00). New end date: July 28, 2023. Agreement is substantially in words and figures similar to that document attached hereto and identified as "Modification No. 4 to the original Agreement between the City of Huntsville, Alabama and Barge Design Solutions, Inc., for Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431, Project No. 65-10-RD08," consisting of a total of three (3) pages plus fourteen (14) additional pages consisting of Attachment "A", and the date of June 22, 2023 appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 22nd day of June, 2023.

President of the City Council of the City of
Huntsville, Alabama

APPROVED this the 22nd day of June, 2023.

Mayor of the City of Huntsville,
Alabama

STATE OF ALABAMA)

COUNTY OF MADISON)

Modification No. 4 to the Agreement
between the City of Huntsville and Barge
Design Solutions, Inc., for Huntsville
Northern Bypass from 1.2 Miles East of
Pulaski Pike to U.S. Highway 431, Project
No. 65-10-RD08.

THIS IS MODIFICATION NO. 4 TO AN AGREEMENT entered into on the 24th day of March, 2011, in the amount of EIGHT HUNDRED SEVENTY-FIVE THOUSAND SEVEN HUNDRED FORTY-TWO AND NO/100 DOLLARS (\$875,742.00). The original Agreement is hereby amended by Modification No. 4 dated June 22, 2023, an increase of THIRTY-SEVEN THOUSAND THREE HUNDRED EIGHTY-EIGHT AND NO/100 DOLLARS (\$37,388.00) for the revised contract amount of ONE MILLION EIGHTY THOUSAND NINE HUNDRED FORTY AND NO/100 DOLLARS (\$1,080,940), by and between the City of Huntsville, Alabama, a municipal corporation in the State of Alabama (Owner) and BARGE DESIGN SOLUTIONS, INC., (ENGINEER).

WITNESSETH

WHEREAS, the firm identified as the ENGINEER to the Agreement dated March 24, 2011, and amended on June 22, 2023, has proposed a change, identified as Attachment "A" to the Original Agreement. This modification delineates a change to Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431.

WHEREAS, the Owner desires that the contract documents be altered to be consistent with Attachment "A" hereto.

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the Owner and the ENGINEER agree to the following modifications to the agreement:

1. Barge Design Solutions, Inc., will provide for Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431 of Huntsville, Alabama at a time and materials cost Not-to-Exceed THIRTY-SEVEN THOUSAND THREE HUNDRED EIGHTY-EIGHT AND NO/100 DOLLARS (\$37,388.00). New end date: July 28, 2023.
2. Item #1 shall be performed in accordance with the original Agreement dated March 24, 2011 as described in the letter from Gregg Bissot to Kathy Martin, dated April 4, 2023, shown as Attachment "A".

**President of the City Council of the City
of Huntsville, AL**
Date: June 22, 2023

3. The terms of this contract Modification and the execution thereof is not in any way to be viewed as a waiver on the part of the Owner of any of its rights pursuant to the Contract.
4. All other terms and conditions remain unchanged.

IN WITNESS WHEREOF, the parties have entered their hands and seals and attest to the same with the signature of the Mayor being the official act of the said municipality in accordance with his duly constituted authority.

THE CITY OF HUNTSVILLE, ALABAMA,
a municipal corporation

By: _____
Tommy Battle
Its Mayor

ATTEST:

Shaundrika Edwards
City Clerk

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Tommy Battle and Shaundrika Edwards, whose names as Mayor and City Clerk of the City of Huntsville, Alabama, a municipal corporation, are signed to the foregoing instrument, and who are known to me, acknowledged before me on this day that, being informed of the contents of the instrument, they, in their capacity as such officers, executed the same with full authority for and as the act of said corporation on the day the same bears day.

GIVEN under my hand and official seal this the ____ day of _____ 2023.

Notary Public
My Commission Expires: _____

ENGINEER: BARGE DESIGN
SOLUTIONS, INC.

By: _____

ATTEST:

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Jason Lowe, as Senior Vice President, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, in his capacity as such officer, executed the same with full authority for and as the act of said Corporation on the day the same bears day.

GIVEN under my hand and official seal this the ____ day of _____ 2023.

Notary Public

My Commission Expires: _____



April 4, 2023

Ms. Kathy Martin
Director of Engineering
City of Huntsville
302 Fountain Circle
Huntsville, Alabama 35801

*can
5/31/23*

RE: Modification #4
65-10-RD08/Engineering Design Services for Huntsville Northern Bypass from 1.2 Miles
East of Cr-86 (Pulaski Pike) to SR-1 (US-431)

Dear Ms. Martin,

Based upon the request from the Alabama Department of Transportation to remove the proposed signal at Memorial Parkway and Bob Wade/Countess Road, Barge is proposing the following changes to be made to the plan assembly in accordance with the attached sketch as previously provided:

Remove Signal Layout Sheet

Revise ITS Layout Sheet

Revise Plan Sheets

Revise Striping Sheets

Revise Drainage Sections

Revise Typical Section Sheets

Revise Cross Sections

Revise Tabulation Quantities Sheets

Revise Summary of Quantities Sheets

Revise Estimate

Revise Erosion Control Sheets

Barge will provide these services according to the Man-day Worksheet attached within fifteen days of approval. If you should have any questions, please feel free to contact Gregg Bissot, PE at 205-298-6074.

Sincerely,

Barge Design Solutions, Inc.

A handwritten signature in blue ink, appearing to read "Gregg Bissot".

Gregg Bissot, PE
Alabama Roadway Practice Leader

Enclosures
Barge project # 32321-30

3/31/2023

City of Huntsville Engineering Division

3:56 PM

Project No.	65-10-RD08		
Project Name	Huntsville Northern Bypass - West Section		
Description	From 1.2 Miles East of CR-86(Pulaski Pike) to SR-1 (US-431)		
Scope of Work	Modification No. 4		
Project Length	4.17		
C.O.H. Project Engineer	Jacob Stephens		
Engineering Consultant	Barge Design Solutions, Inc.		
GRAND TOTAL OF FEE PROPOSAL			
	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$0.00	\$0.00	\$0.00
Field Surveys	\$0.00	\$0.00	\$0.00
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$0.00	\$0.00	\$0.00
Roadway Plans	\$37,333.60	\$54.40	\$37,388.00
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
GRAND TOTAL FEE		\$37,388	

LABOR RATES	Effective Time Period	Project Duration
Classification	Hourly Rate	Assigned Personnel
Project Engineer	\$155.00	
Environmental Scientist		
Design Engineer	\$120.00	
Engineer Tech. / CADD	\$80.00	
Clerical	\$67.00	
PLS	\$104.00	
Survey Crew	\$160.00	

All rates to remain in effect through the duration of the project

Signed  Date 6/2/23

Alabama Transportation Manager
Position/Title



ROADWAY PLANS	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
PLAN & PROFILE							
Main Roadway	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crossroads	1.00	0.25	0.25	2.00	2.00	2.50	2.50
Detours	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Retaining Walls	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAVING LAYOUT							
Main Roadway	1.00	0.25	0.25	0.50	0.50	0.50	0.50
Crossroads	1.00	0.25	0.25	0.50	0.50	0.50	0.50
Intersections	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERCHANGES							
Geometrics	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL							
Sequence of Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summary & notes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signing Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Drawings	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STRIPING & SIGNING							
Signing, Striping & Pavement Markers Layout	2.00	0.25	0.50	0.50	1.00	0.50	1.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION							
Signal Layout (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Analysis	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Counts (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Signal Warrant Analysis (1 per site)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UTILITY SHEETS							
Utility Sheets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRAINAGE SECTIONS							
Pipe&Culvert X-Sect./Profiles	3.00	0.20	0.60	1.50	4.50	1.50	4.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LIGHTING							
Plan Layout	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL							

3/31/2023

City of Huntsville Engineering Division

3:58 PM

ROADWAY PLANS SHEET TITLE	# OF SHEETS	ESTIMATED MAN-DAYS					
		Project Engineer		Design Engineer		Engineer Tech. / CADD	
		DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL	DAYS/ SHEET	TOTAL
Erosion Control Layout	2.00	0.25	0.50	0.50	1.00	0.50	1.00
Erosion Control Details	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS							
Main Roadway	2.00	0.00	0.00	0.25	0.50	0.25	0.50
Crossroads	2.00	0.00	0.00	0.25	0.50	0.25	0.50
Earthwork Balancing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB-TOTAL	22.00		4.14		14.84		16.14
REVIEW MEETINGS							
Design Criteria/Kickoff			0.00		0.00		0.00
30% Review			0.00		0.00		0.00
60% Review			0.00		0.00		0.00
90% Review			0.00		0.00		0.00
Stormwater Permits			0.00		0.00		0.00
Drainage Report			0.00		0.00		0.00
Cost Estimates			0.00		0.25		0.50
Design Hearing			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
			0.00		0.00		0.00
SUB-TOTAL			0.00		0.25		0.50
TOTAL MAN-DAYS			4.14		15.09		16.64

3/31/2023

City of Huntsville Engineering Division

3:56 PM

Project No. 65-10-RD08			
Project Name Huntsville Northern Bypass - West Section			
Description From 1.2 Miles East of CR-86(Pulaski Pike) to SR-1 (US-431)			
Scope of Work Modification No. 4			
Project Length		4.17	
C.O.H. Project Engineer Jacob Stephens			
Engineering Consultant Barge Design Solutions, Inc.			
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	4.14	\$ 1,240.00	\$ 5,133.60
Design Engineer	15.09	\$ 960.00	\$ 14,486.40
Engineer Tech. / CADD	16.64	\$ 640.00	\$ 10,649.60
Clerical	0.25	\$ 536.00	\$ 134.00
Sub-Total			\$ 30,403.60
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
Skipper (Signal and ITS Plans)			\$ 6,600.00
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ 330.00
Sub-Total			\$ 6,930.00
TOTAL LABOR			\$ 37,333.60

3/31/2023

City of Huntsville Engineering Division

3:56 PM

Project No.	65-10-RD08
Project Name	Huntsville Northern Bypass - West Section
Description	From 1.2 Miles East of CR-86(Pulaski Pike) to SR-1 (US-431)
Scope of Work	Modification No. 4
Project Length	4.17
C.O.H. Project Engineer	Jacob Stephens
Engineering Consultant	Barge Design Solutions, Inc.
Out-of-pocket Expenses (Roadway Plans)	

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Full Size Prints	2	20	40	\$ 0.90	\$ 36.00
1/2 Size Prints	4	20	80	\$ 0.23	\$ 18.40
Mylars	0	41	0	\$ 10.50	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ 54.40

Communication Cost (telephone, fax, etc.)	Total
	\$ -

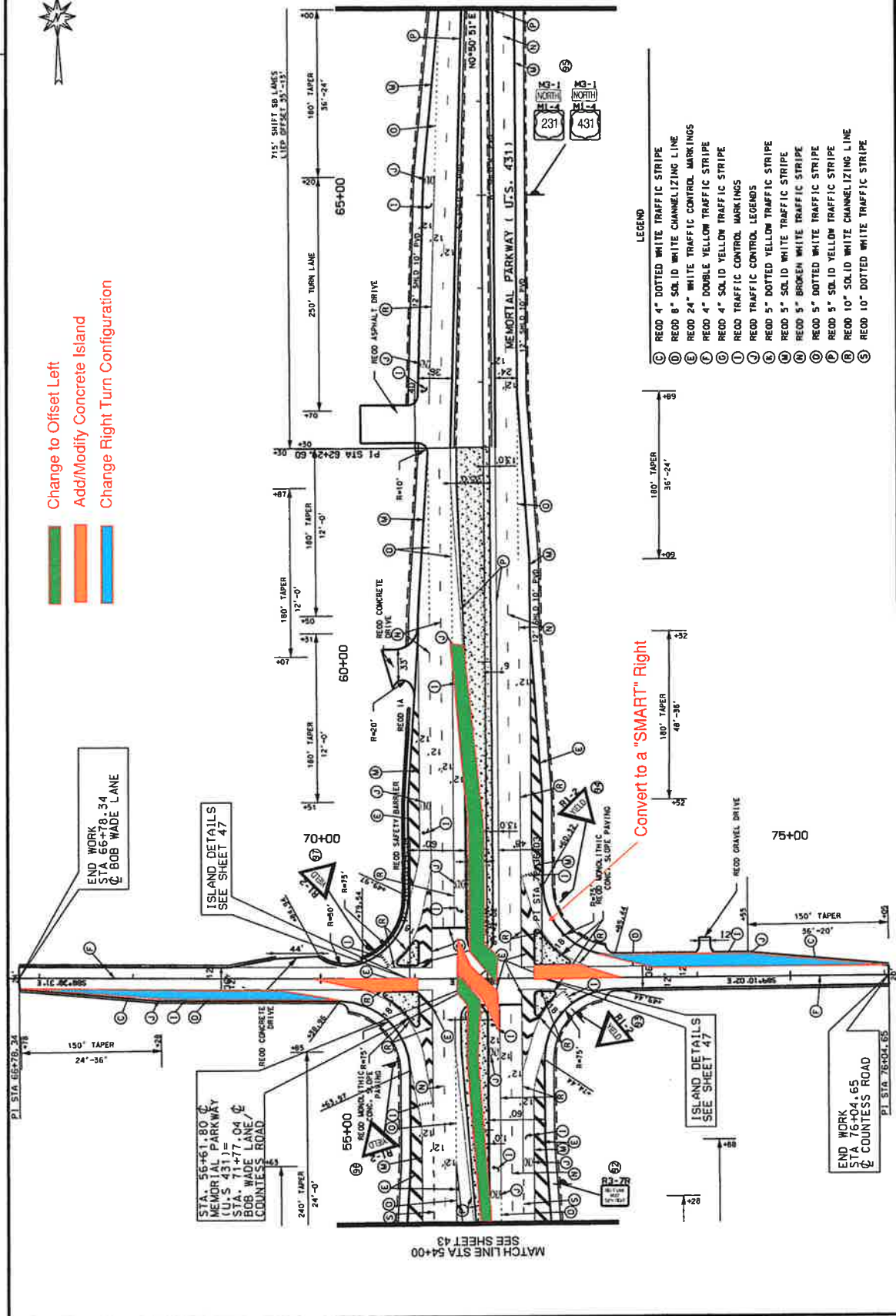
Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses **\$ 54.40**

Comments:

- Change to Offset Left
- Add/Modify Concrete Island
- Change Right Turn Configuration



Convert to a "SMART" Right

- | LEGEND | |
|--------|---|
| | RED 4\"/> DOTTED WHITE TRAFFIC STRIPE |
| | RED 8\"/> SOLID WHITE CHANNELIZING LINE |
| | RED 24\"/> WHITE TRAFFIC CONTROL MARKINGS |
| | RED 4\"/> DOUBLE YELLOW TRAFFIC STRIPE |
| | RED 4\"/> SOLID YELLOW TRAFFIC STRIPE |
| | RED TRAFFIC CONTROL MARKINGS |
| | RED 5\"/> TRAFFIC CONTROL LEGENDS |
| | RED 5\"/> DOTTED YELLOW TRAFFIC STRIPE |
| | RED 5\"/> SOLID WHITE TRAFFIC STRIPE |
| | RED 5\"/> BROKEN WHITE TRAFFIC STRIPE |
| | RED 5\"/> DOTTED WHITE TRAFFIC STRIPE |
| | RED 5\"/> SOLID YELLOW TRAFFIC STRIPE |
| | RED 10\"/> SOLID WHITE CHANNELIZING LINE |
| | RED 10\"/> DOTTED WHITE TRAFFIC STRIPE |

**ALABAMA DEPARTMENT
OF TRANSPORTATION**

PLAN SUBMITTAL	
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DATE:	
DESIGNER:	

SUPERVISOR

RESPONSIBLE PERSON	5	

SHEET TITLE	ROUTE
PAVING, STRIPING, & SIGNING LAYOUT MEMORIAL PARKWAY STA 54+00 TO STA 67+00	HNB

SKIPPER

CONSULTING INC

June 5, 2023

Mr. Greg Bissot, P.E.
Manager – Alabama Transportation
Barge Design Solutions, Inc.
3535 Grandview Parkway, #500
Birmingham, Alabama 35243

RE: Huntsville Northern Bypass Traffic Signals


Dear Mr. Bissot:

Skipper Consulting, Inc. proposes to update traffic signal plans previously issued on October 4, 2022 to account for changes in roadway configuration and design requirements of the Alabama Department of Transportation. The following specific scope of work shall be performed:

- Updating the traffic signal ITS legend sheet based on recent ALDOT changes
- Revisions to plan layout sheets to reflect ALDOT legend sheet changes (junction boxes and radar detection units)
- Removal of the traffic signal installation plan for the intersection of Memorial Parkway at Bob Wade Lane/Countess Road
- Providing a traffic signal removal plan for the intersection of Memorial Parkway at Bob Wade Lane/Countess Road
- Removal of fiber optic interconnect from the plan assembly
- Updating the summary of quantities to reflect the removal of the traffic signal installation for the intersection of Memorial Parkway at Bob Wade Lane/Countess Road from the plan assembly
- Updating the summary of quantities to reflect the removal of fiber optic interconnect from the plan assembly
- Updating the summary of quantities to reflect recent ALDOT pay item number changes
- Updating the ALDOT standard and special drawing requirements to reflect the 2023 drawings

Skipper Consulting, Inc. proposes to undertake the scope of work described above for a fixed fee amount of \$6,600.00, inclusive of all labor and expenses. Work shall within three (3) weeks from notice to proceed.

Sincerely,



Richard L. Caudle, P.E.
Senior Traffic Engineer

3/29/2023

Alabama Department of Transportation

9:25 AM

Project Number _____		CPMS # _____			
County <u>Madison</u>					
Description <u>Huntsville Northern Bypass</u>					
Scope of work <u>Traffic Signalization</u>					
Length <u>n/a</u> miles					
Consultant Skipper Consulting, Inc.					
ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
TITLE SHEET	0.00	0.00	0.00	0.00	0.00
INDEX SHEET	0.00	0.00	0.00	0.00	0.00
GEOMETRIC LAYOUT/SURVEY CONTROL	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Project)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (TCP)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Signage)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Signals)	1.00	0.25	0.25	0.00	0.00
PROJECT NOTE SHEET (ITS)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Lighting)	0.00	0.00	0.00	0.00	0.00
PROJECT NOTE SHEET (Traffic Loops)	0.00	0.00	0.00	0.00	0.00
PLANS LEGEND & ABBREVIATIONS	1.00	0.25	0.25	0.00	0.00
TYPICAL SECTIONS					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Cross Roads	0.00	0.00	0.00	0.00	0.00
Detour & Misc.	0.00	0.00	0.00	0.00	0.00
Ramps	0.00	0.00	0.00	0.00	0.00
Ditches	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SUMMARY SHEET					
Main Summary	0.00	0.00	0.00	0.00	0.00
SUMMARY BOX SHEETS					
Roadway Drainage (non-culvert)	0.00	0.00	0.00	0.00	0.00
Culvert Extension, New Culvert	0.00	0.00	0.00	0.00	0.00
Bridge Culvert Extension, New Bridge Culvert	0.00	0.00	0.00	0.00	0.00
Guardrail/End Anchors	0.00	0.00	0.00	0.00	0.00
Slope Paving (Under Bridges)	0.00	0.00	0.00	0.00	0.00
Side Drain Pipe	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Base & Pavement	0.00	0.00	0.00	0.00	0.00
Bridge	0.00	0.00	0.00	0.00	0.00
Striping & Pavement Markings	0.00	0.00	0.00	0.00	0.00
Curb & Gutter	0.00	0.00	0.00	0.00	0.00
Bridge End Slabs	0.00	0.00	0.00	0.00	0.00
Roadway Lighting	0.00	0.00	0.00	0.00	0.00
Signals	1.00	0.50	0.50	0.00	0.00
ITS	0.00	0.00	0.00	0.00	0.00
Sidewalk	0.00	0.00	0.00	0.00	0.00
Slope Paving (Ditches)/Ditch Summary	0.00	0.00	0.00	0.00	0.00
Concrete Safety Barrier	0.00	0.00	0.00	0.00	0.00
Retaining Wall	0.00	0.00	0.00	0.00	0.00
Misc. Boxes	0.00	0.00	0.00	0.00	0.00
Erosion Control	0.00	0.00	0.00	0.00	0.00
Removal Items	0.00	0.00	0.00	0.00	0.00
Utility Relocation	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
PLAN & PROFILE					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Detours	0.00	0.00	0.00	0.00	0.00
Retaining Walls	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00

3/29/2023

Alabama Department of Transportation

9:25 AM

ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
PAVING LAYOUT (includes striping)					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Intersections	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
INTERCHANGES					
Geometrics	0.00	0.00	0.00	0.00	0.00
Ramps Profiles	0.00	0.00	0.00	0.00	0.00
Site Grading	0.00	0.00	0.00	0.00	0.00
Cross Sections	0.00	0.00	0.00	0.00	0.00
Signing	0.00	0.00	0.00	0.00	0.00
Ramp Gore Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
TRAFFIC CONTROL					
Sequence of Construction	0.00	0.00	0.00	0.00	0.00
Summary & Items	0.00	0.00	0.00	0.00	0.00
Typical Section Sketches	0.00	0.00	0.00	0.00	0.00
Layout Sheets (signs, devices, shifts, etc.)	0.00	0.00	0.00	0.00	0.00
Special Drawings	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNING					
Sign Layout	0.00	0.00	0.00	0.00	0.00
Sign X-Section	0.00	0.00	0.00	0.00	0.00
Sign Panel Details	0.00	0.00	0.00	0.00	0.00
Soils Data Sheets (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SIGNALIZATION					
Signal Layout	1.00	1.00	1.00	0.00	0.00
Signal Removal	1.00	1.00	1.00	0.00	0.00
Soils Data Sheets	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ITS					
Systems Engineering	0.00	0.00	0.00	0.00	0.00
Special Study	0.00	0.00	0.00	0.00	0.00
Legend	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
ITS Layouts	0.00	0.00	0.00	0.00	0.00
ITS Fiber Splice Index	0.00	0.00	0.00	0.00	0.00
Optical Fiber Splice Charts	0.00	0.00	0.00	0.00	0.00
Fiber - Cable Routing Diagram	0.00	0.00	0.00	0.00	0.00
Specifications	0.00	0.00	0.00	0.00	0.00
ITS Block Diagrams	0.00	0.00	0.00	0.00	0.00
LIGHTING					
Plan Layout	0.00	0.00	0.00	0.00	0.00
Demo Plans	0.00	0.00	0.00	0.00	0.00
Special Details	0.00	0.00	0.00	0.00	0.00
Soils & Passive Pressure (provided by ALDOT)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00

3/29/2023

Alabama Department of Transportation

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ROADWAY PLANS SHEET TITLE	NO OF SHEETS	ESTIMATED MAN-DAYS			
		ENGINEER		TECHNICIAN	
		SHEET	TOTAL	SHEET	TOTAL
UTILITY SHEETS					
Utility Locations (plan/profile)	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
DRAINAGE SECTIONS					
Pipe & Culvert X-Sect./Hydraulic Computation	0.00	0.00	0.00	0.00	0.00
Hydraulic Data Sheet	0.00	0.00	0.00	0.00	0.00
Details	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
SOIL SHEETS					
Soil Boring Logs	0.00	0.00	0.00	0.00	0.00
Soil Profile	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
EROSION CONTROL					
Legend & Sequence	0.00	0.00	0.00	0.00	0.00
Phased Sheets (Phase I)	0.00	0.25	0.00	0.25	0.00
Phased Sheets (Phase II)	0.00	0.00	0.00	0.00	0.00
Phased Sheets (Phase III)	0.00	0.00	0.00	0.00	0.00
CBMPP & NOI	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
ROADWAY CROSS SECTIONS					
Main Roadway	0.00	0.00	0.00	0.00	0.00
Crossroads	0.00	0.00	0.00	0.00	0.00
Earthwork Balancing	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00
REVIEW COMMENTS					
30% Review			0.00		0.00
Plan-in-Hand Inspection			0.00		0.00
PS&E Inspection			0.00		0.00
Cost Estimates			0.50		0.00
Design Hearing			0.00		0.00
SUB-TOTAL	5.00		3.50		0.00
10% Supervision			0.35		
TOTALS	5.00		3.50		0.00

3/29/2023

Alabama Department of Transportation

9:23 AM

Project No. _____			
County <u>Madison</u>			
Description <u>Huntsville Northern Bypass</u>			
Scope of Work <u>Traffic Signalization</u>			
Project Length <u>n/a</u> Miles			
Consultant <u>Skipper Consulting, Inc.</u>			
Fee Proposal (Roadway Plans)			
PERSONNEL COST			
	Man-days x Daily Rate		
Project Manager (10% of Eng.)	0.35	\$ 682.69	\$ 238.94
Engineer	3.50	\$ 584.62	\$ 2,046.17
Engineering Technician/CADD	0.00	\$ 426.64	\$ -
Clerical	0.00	\$ 172.00	\$ -
Total Direct Labor			\$ 2,285.11
Combined Overhead (%)	162.48		\$ 3,712.85
Out-of-Pocket Expenses**			\$ -
Sub-Total			\$ 5,997.96
Operating Margin (10%)			\$ 599.80
Sub-Total			\$ 6,597.76
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
Sub-Total			\$ 6,597.76
Facilities Capital Cost of Money (% of Direct Labor)	0.10		\$ 2.29
TOTAL FEE			\$ 6,600.05

**See Grand Total Fee sheet