

## Huntsville, Alabama

308 Fountain Circle Huntsville, AL 35801

### Cover Memo

Meeting Type: City Council Regular Meeting Meeting Date: 1/	/12/2023 <b>File ID:</b> TMP-2334
Department: Engineering	
Subject: Ty	ype of Action: Approval/Action
Resolution authorizing the Mayor to enter into an Agreement be Department of Transportation for the Installation, Operation and Memorial Parkway from Mastin Lake Road to Winchester Road,	Maintenance of Traffic Control Signals for
Resolution No.	
<u>Does this item need to be published?</u> No  If yes, please list preferred date(s) of publication: <u>N/A</u>	
Finance Information:	
Account Number: N/A	
City Cost Amount: N/A	
Total Cost: N/A	
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	ct 4 □ District 5 □
Additional Comments:  Agreement between the City and ALDOT for maintenance of transportation associated with improvements between Mastin Lake and Winch	

### **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 enter into an agreement between the City of Huntsville and the State of Alabama Department of Transportation for the Installation, Operation and Maintenance of Traffic Control Signals for Memorial Parkway from Mastin Lake Road to Winchester Road, ALDOT Project No. NH-0001(610), in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said agreement is substantially in words and figures similar to that document attached hereto and identified as "Agreement between the City of Huntsville and the State of Alabama Department of Transportation for the Installation, Operation and Maintenance of Traffic Control Signals for Memorial Parkway from Mastin Lake Road to Winchester Road, ALDOT Project No. NH-0001(610)," consisting of a total of fourteen (14) pages and the date of January 12, 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.

	President of the City Council of
	the City of Huntsville, Alabama
ADDOWED this the 12th	day of January 2023
APPROVED this the 12th	day of January, 2023.
APPROVED this the <u>12th</u>	day of January, 2023.
APPROVED this the 12th	day of <u>January</u> , 2023.
APPROVED this the <u>12th</u>	day of <u>January</u> , 2023.

ADOPTED this the 12th day of January 2023.

For Official Use Only: A	LDOT Agreeme	ent Number:			
Region Tracking Number:		Project	Number:	NH-0001(6	610)
Region: NR - C	Guntersville		County:	MADISON	١
STATE O ALABAMA DEPARTN INSTALLATION and/or OPERATION	N and/or MAI	NSPORTATIO	N: AGREEME	-	LS and/or
This Agreement, in accordance with	resolution num	ber		dated (or	minutes dated
nd between the Alabama Departm CITY OF HUNTSVILLE ccomplishment of the following work as helow, to wit:	nent of Tran	sportation (he	erein referred rred to as MA	to as STA	ATE) and the
	(A) New Installation	(B) Equipment Upgrade	(C) Complete Removal	( <b>D</b> ) Operation	(E) Maintenance
Traffic Control Signal:	x		х	x	x
Intersection Flashing Signal/Beacon:					
Roadway Lighting:					
Other:					
The accomplishment of the work increase rereinafter signified by the use of the corresponding	ponding alphabe Street [A, D, & Is needed, please	tic letter A, B, C,  E] denotes the use continuation	D, and/or E as a installation, ope on sheets.	pplicable, will be	e at the followin
For the purposes of this Agreement, associated hardware used to install, signals/beacons, roadway lighting, ar In the event the work to be accompaGENCY will furnish and the	upgrade, maint nd/or other as sp plished above is	ain, and/or ope pecified in the chidentified by (A	rate traffic cont part above. A) and/or (B), th	rol signals, inte	rsection flashin
	Pag	e 1 of 7		rei	v - 03/11/21

President of the City Council of the City Huntsville, AL Date: January 12, 2023 hardware utilized in the accomplishment of the work. In the event the STATE contributes funds to the work and the MAINTAINING AGENCY will be credited or debited for under-runs or overruns respectively, the "Exhibit O" is attached to and made part of this Agreement.

- 3. The equipment and/or associated hardware shall be installed in accordance with the applicable portions of the:
  - Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), current ALDOT approved edition.
  - B. State of Alabama Project Details and Special and Standard Highway Drawings, current year version.
  - C. National Electrical Code, current edition.
  - D. Alabama Department of Transportation (ALDOT) Standard Specifications for Highway Construction, current edition and applicable special provisions.
  - E. Code of Alabama, 1975 (as Amended) with specific reference to:
    - (1) §23-1-113, Municipal Connecting Link Roads Stipulations and Conditions [specifically sub-paragraphs (6) and (7)].
    - (2) §32-5A-32, Traffic Control signal legend.
    - (3) §32-5A-33, Pedestrian Control signals.
    - (4) §32-5A-34, Flashing signals.
    - (5) §32-5A-35, Lane Direction Control signals.
- 4. The STATE shall determine the quantity of the equipment and/or associated hardware to be utilized in the accomplishment of the work identified by (A) and/or (B) above. In the event the MAINTAINING AGENCY furnishes the equipment and/or associated hardware to be utilized in the accomplishment of the work identified by (A) and/or (B) above, the MAINTAINING AGENCY shall ascertain that the type and quality of the equipment and/or associated hardware is in accordance with the STATE's Materials, Sources, and Devices with Special Acceptance Requirements (APL) as maintained by the STATE's Bureau of Materials and Tests.
- It is the sole responsibility of the MAINTAINING AGENCY to locate and/or relocate any and all utilities in conflict with the installation, upgrade, and/or maintenance of equipment and associated hardware prior to commencing work to install, upgrade, and/or maintain equipment and associated hardware. The MAINTAINING AGENCY will locate and/or relocate such utilities in accordance with all applicable Federal and State laws, regulations, and procedures. Associated utility costs will be at the sole expense of the MAINTAINING AGENCY. In the event utilities are damaged during the installation, upgrade, and/or maintenance of equipment and associated hardware due to failure of the MAINTAINING AGENCY to relocate and/or relocate such utilities, the MAINTAINING AGENCY shall be responsible for providing the funding to pay for any and all associated costs to repair the utilities.
- 6. Title to any and all equipment and/or associated hardware furnished by the STATE shall remain in the STATE and the STATE is deemed to be the sole owner of such equipment and/or hardware.
- The equipment and/or associated hardware shall be operated and maintained at the sole expense of the MAINTAINING AGENCY. The MAINTAINING AGENCY agrees to provide electrical energy on a continuing basis as required, beginning at the time of the initial electrical service connection during the construction of the system. The MAINTAINING AGENCY agrees further to maintain the equipment and/or associated hardware in a good state of repair at all times, as required in

accordance with the applicable documents: Manual on Uniform Traffic Control Devices for Streets and Highways and the Alabama Department of Transportation Standard Specifications for Highway Construction and applicable special provisions. Any traffic control signal equipment and/or associated hardware must also be maintained in accordance with any traffic signal operating plan of the STATE which is in effect at the applicable time of the maintenance. If a malfunction of the equipment and/or associated hardware should ever occur, the MAINTAINING AGENCY shall make or cause to be made any repairs immediately. If a malfunction presents a potential hazard to the motoring public and the MAINTAINING AGENCY is unable to repair the equipment and/or associated hardware in a timely manner as determined by the STATE, the MAINTAINING AGENCY agrees that the STATE reserves the right to and may repair the equipment and/or associated hardware, and invoice the MAINTAINING AGENCY for all costs incurred. The MAINTAINING AGENCY agrees to pay the STATE all such costs incurred by the STATE promptly upon receipt of the invoice from the STATE.

- 7a. In instances where ALDOT maintains a fiber-optic trunk line that is used in conjunction with a closed-loop signal system, the MAINTAINING AGENCY shall maintain the fiber-optic cable from the splice point in the trunk line out to the traffic control equipment.
- 8a. Installation requests made by the MAINTAINING AGENCY and identified on page one as "(A) New Installation" with "Traffic Control Signal" marked must follow the Traffic Signal Warrant and Justification procedure as identified in the Alabama Department of Transportation Traffic Signal Design Guide and Timing Manual, latest edition. For any warrant study/analysis which does not satisfy a traffic signal warrant or warrants, the MAINTAINING AGENCY agrees to accept any and all responsibility for any damage or injury that may be caused by or related to the installation, location, operation, sequencing, and/or maintenance of the equipment and/or associated hardware and shall defend, indemnify, and hold harmless the State of Alabama, the Alabama Department of Transportation, and its agents, servants, employees, in their official or individual capacities and/or facilities from and against all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from the installation, operation, and maintenance of the equipment and/or associated hardware, or any claim, damage, loss, or expense to the person or property caused. A copy of the warrant study/analysis shall be attached to and made part of this Agreement.

### 8b. Check one:

The CITY (Incorporated Municipality)

Subject to the limitations on damages applicable to municipal corporations under Alabama Code § 11-47-190(1975), the CITY shall indemnify and hold harmless the State of Alabama, the Alabama Department of Transportation, its officers, officials, agents, servants, and employees from and against (1) claims, damages, losses, and expenses, including but not limited to attorney's fees arising out of, connected with, resulting from, or related to the work performed by the CITY, or its officers, employees, contracts, agents or assigns (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the CITY pursuant to the terms of this Agreement, or (3) any damage, loss, expense, bodily injury, or death, or injury or destruction or tangible property (other than the work itself), including loss of use therefrom, and including but not limited

to attorney's fees, caused by the willful, negligent, careless, or unskillful acts of the CITY, its agents, servants, representatives, or employees, or the misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation, or reimbursement by the CITY, its agents, servants, representatives, or employees, or anyone for whose acts the CITY may be liable.

The COUNTY (County Government or Agency)

The COUNTY shall be responsible at all times for all of the work performed under this agreement and, as provided in Alabama Code § 11-93-2(1975), the COUNTY shall indemnify and hold harmless the State of Alabama, the Alabama Department of Transportation, its officers, officials, agents, servants, and employees.

For all claims not subject to Alabama Code § 11-93-2(1975), the COUNTY shall indemnify and hold harmless the State of Alabama, the Alabama Department of Transportation, its officers, officials, agents, servants, and employees from and against any and all damages, claims, loss, liabilities, attorney's fees or expense whatsoever, or any amount paid in compromise thereof arising out of, connected with, or related to (1) work performed under this Agreement, (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the COUNTY pursuant to the terms of this Agreement, or (3) misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation or reimbursement by the COUNTY, its officers, officials, agents, servants, and employees.

The term "hold harmless" includes the obligation of the MAINTAINING AGENCY to pay damages on behalf of the State of Alabama, the Alabama Department of Transportation, and its agents, servants, and/or employees.

- 9. Complete removal of the equipment and/or associated hardware, hereinabove identified by (C), will be at the sole expense of the STATE MAINTAINING AGENCY.
- 10. The STATE reserves the right to demand the removal of the equipment and/or associated hardware should the STATE determine that the signal is no longer required or deem its condition or operation hazardous. Further, the STATE shall have the right to remove the equipment and/or associated hardware should the MAINTAINING AGENCY fail to do so upon demand by the STATE. The MAINTAINING AGENCY agrees to reimburse the STATE for its costs associated with the removal. Any equipment and/or associated hardware which is deemed by the STATE to be non-uniform or obsolete will be removed and disposed of by the MAINTAINING AGENCY. None of the non-uniform or obsolete equipment and/or associated hardware which has been removed shall be reused on the STATE highway system.
- 11. If future traffic conditions require changes and/or adjustments to said equipment and/or associated hardware (other than ordinary timing), the MAINTAINING AGENCY shall obtain the approval of the STATE before such changes are implemented and the STATE shall make a determination on whether a new Agreement is required to be submitted for the UPGRADING, OPERATION, and MAINTENANCE of the new equipment and/or associated hardware. All such changes shall be at the sole cost and expense of the MAINTAINING AGENCY.

- 12. At such time as a warrant study is conducted on an existing signalized intersection and the results differ from the previous warrant study conducted at that signalized intersection, a new Agreement for Installation and/or Operation and/or Maintenance of Traffic Control Signals and/or Roadway Lighting shall be executed with the MAINTAINING AGENCY.
- 13. In the event Federal funds are utilized in the accomplishment of the work hereinbefore described, "Exhibit M" is attached to and made a part of this Agreement.

### 14. FUNDS SHALL NOT BE CONSTITUTED AS A DEBT

It is agreed that the terms and commitments contained herein shall not be construed as a debt of the State of Alabama in violation of Article 11, Section 213 of the <u>Constitution of Alabama, 1901</u>, as amended by Amendment Number 26. It is further agreed that if any provision of this Agreement shall contravene any statute or Constitutional Provision or Amendment, then the conflicting provision in this Agreement shall be deemed null and void.

For any and all disputes arising under the terms of this Agreement, the parties hereto agree, in compliance with the recommendations of the Governor and Attorney General, when considering settlement of such disputes, to utilize appropriate forms of non-binding alternative dispute resolution including, but not limited to, mediation by and through the Attorney General's Office of Administrative Hearings or where appropriate, private mediators.

15. The type and number of signal & pedestrian heads per intersection or roadway lighting hardware are as follows: {Example: 5 – 3 sec, 12", red ball, yellow/green left arrow. OPTION: If plans are available to convey information below, just enter "SEE ATTACHED PLANS".} NOTE – If more space is needed, please use continuation sheets.

SEE ATTACHED PLANS	- NH-0001(610)			
ТҮР	PE OF SIGNAL	C	ONTROLLER	
Traffic Control	Pedestrian Control	Make:	Model #:	
Flashing	☐ Lane Control	Fixed Time	Two Phase	
School Flasher	Railroad Crossing	Semi Actuated	Four Phase	
Other:		Full Actuated	Eight Phase	
		Other:		
		SYSTEM	YES NO	

- 16. In the event the work to be accomplished is identified by (A), (B), and/or (C) and [1] in part or wholly constitutes an interconnected, coordinated, fixed time relationship, signal control operation between two or more intersections (herein referred to as a SYSTEM and hereinabove indicated by the SYSTEM check-box for YES marked in the controller box above), [2] is located within the limits of a SYSTEM, or [3] is within close proximity as to adjoin a SYSTEM, the STATE MAINTAINING AGENCY shall substantiate the work identified by (A), (B), and/or (C) to be SYSTEM compatible.
- By entering into this agreement, the MAINTAINING AGENCY is not an agent of the State, its officers, employees, agents or assigns. The MAINTAINING AGENCY is an independent entity from the State and nothing in this agreement creates an agency relationship between the parties.
- 18. By signing this contract, the contracting parties affirm, for the duration of this agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of this agreement and shall be responsible for all damages resulting there from.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK. SIGNATURE PAGE TO FOLLOW.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by those officers, officials, and persons thereunto duly authorized, and the Agreement is deemed to be dated and to be effective on the date stated hereinafter as the date of the approval of the Region Engineer. (Seal of MAINTAINING AGENCY) Legal Name of MAINTAINING AGENCY Attest: (Seal or notary signature) Authorized Signature for MAINTAINING AGENCY Agreement Recommended for approval: **Area Traffic Engineer Signature** STATE OF ALABAMA acting by and through the ALABAMA DEPARTMENT OF TRANSPORTATION The within and foregoing Agreement is hereby approved on this \_\_\_\_\_ day of \_\_\_\_\_\_20\_\_\_\_. APPROVED: RECORDED: **Region Engineer Signature State Traffic Engineer Signature** (Added to Archive)

Region Tracking Number:		Project Number:	NH-0001(610)
Region:	NR - Guntersville	County:	MADISON

7/18/90

**EXHIBIT M** 

### **CERTIFICATION**

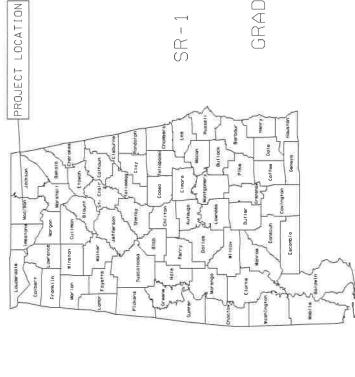
This certification is applicable to the instrument to which it is attached whether attached directly or indirectly with other attachments to such instrument.

The prospective participant/recipient, by causing the signing of and the submission of this Federal contract, grant, loan, cooperative agreement, or other instrument as might be applicable under Section 1352, Title 31, U.S. Code, and the person signing same for and on behalf of the prospective participant/recipient each respectively certify that to the best of the knowledge and belief of the prospective participant or recipient and of the person signing for and on behalf of the prospective participant/recipient, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the prospective participant/recipient or the person signing on behalf of the prospective participant/recipient as mentioned above, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, or other instrument as might be applicable under Section 1352, Title 31, U.S. Code, the prospective participant/recipient shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant/recipient also agrees by submitting this Federal contract, grant, loan, cooperative agreement or other instrument as might be applicable under Section 1352, Title 31, U.S. Code, that the prospective participant/recipient shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such sub-recipients shall certify and disclose accordingly.



## ALABAMA

# DEPARTMENT OF TRANSPORTATION

NHF-8510(009) 4321-NH04L-100004927-2

Preliminary Project No. Code No.

SHEET NO.

FISCAL YEAR

REFERENCE PROJECT NO.

STATE

2023

NH-0001(610)

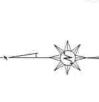
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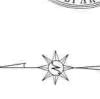
CONTRACT ID NO.

PLANS OF PROPOSED PROJECT NUMBER NH-0001(610)

 ${\displaystyle\bigcup\limits_{\vdash}}$ BRIDGES (MEMORIAL PARKWAY) FROM 0.31 MI S OF CR-75 (MASTIN LAKE CR-65 (WINCHESTER RD) INCLUDING AN OVERPASS AT CR-75 GRADE, DRAIN, BASE, PAVE, LIGHTING, SIGNAL, RETAINING WALLS, AND AND ACCESS MANAGEMENT IMPROVEMENTS TO CR-65 MADISON COUNTY

CM TO MERIDIANVILLE









These plans have been prepared to conform with the Alabama Department of Transportat Standard Specifications for Highway Construction, 2022 Edition.

Min. Stopping Sight Dist.

V ( Design Speed )

K D TDHV 52x

ADT ( 2022 )......

Design Designa+ior



Work 205+00.00

End / Sta.

ALABAMA DEPARTMENT OF TRANSPORTATION Submitted for Approval

STATE DESIGN ENGINEER

CHIEF ENGINEER



3535 Grandview Parkway // Suite 500 // Birmingham, Alabama 35243 PHONE (205) 298-6074 // FAX (205) 298-6075

ENGINEER: NO:

DATE:

Existing Bridge (None)

Existing and Required Bridge Culverts (None)

LENGTH 121+02.42 STA STA TO (1) 117+71.42 INDEX

Required Bridges (Dual Bridges)

331.00 331.00 121+02.42 117+71.42

NO EFFECT

SBR) (NBR)

EFFECT

021294 021204

BIN

Begin Project Sta. 102+89.73

EFFECT TOTAL

331.00

Equations & Exceptions

Begin Work Sta. 100+00.00

Sta. 102+89.73 (L (NO EFFECT) Std. 31+36.310 (METRIC)(BK)

TO MADISON

J.S. CUST ) ( AH )

9947.40 Equations & Exceptions Net Length of Project Net Length of Bridges Total Stationing of Project

FEET

9947.40 331.00 9616.40 0.00 Net Length of Roadways

1.883 0.062 1.821

SUBMITTAL OCTOBER 7, OE PRINTED (

2022

RGE

TRANSPORTATION DIRECTOR Approved: End Project Sta. 202+37.13 PREPARED BY: TO SCOTTSBORD

DESCRIPTION
(INCLUDES SHEET 1-81)
SHEETS
OVERHEAD SIGN BRIDGE ON ROADWAY
3 WALL MOUNTED BARRIER DETAIL
00.001
01A. 114
1 1
100
-1) STA, 142+00 TO STA, 156+00 146+16,17
156+00 TO STA.
181+50 TO STA.
PARKWAY ACCESS ROAD & YORK ROAD CONNECTOR
SHEET 22A)
ISLAND
41A THROUGH 47A)
DESIGNER:

																		_								_										221610	OSA
ABBREVIATIONS		AMERICAN WIRE GUAGE AWG	CLOSED CIRCUIT TELEVISION CCTV	CURB AND CITTER	10N	2000		FLASHING BEACONFB	CONDUIT	GUARDRAIL GR HIGH DENSITY POLYETHYLENE HOPE		INDIVIDUAL LOWERING DEVICE			LIGHT FOLE LP	300	MILEPOSTNP			PRIMARY FIBER DISTRIBUTION UNIT PFDU PROPERTY LINE	CAMERA	ж.	RADLUS R RAILROAD RR	RICHT RI	- WAY	SECONDARY FIBER DISTRIBUTION UNIT SFDU	:	SOUTHBOUND ROADWAY SBR	DRAWING	TRAFFIC CONTROL CENTERTO	SIGNAL OPERATING PLAN	STATION MANAGEMENT CENTER		VEHICLE DETECTION CAMERA VDC WESTBOUND ROADWAY WBR	E017/100/C k00		
	REQUI RED	(‡)	*	•	<b>t</b> •	io jū	•	SCH	8		<b>&gt;</b> -0		EVP //	(B)	•	G	H					ER.)			REGUIRED	•	•				$\uparrow$	P					
EQUIPMENT	EXISTING	4	4	¢	<del>\</del>	) 7	4	Sch O	## A	7	<b>&gt;</b> −0		EVP	( <u>B</u> )	্র	87	<b>H</b>	0	0	0		(NOTE: @ INDICATES SIGNAL HEAD NUMBER)			EXISTING	) C	)		٩	亡	71	()}					
MISCELLANEOUS		TRAFFIC SIGNAL HEAD	TRAFFIC SIGNAL HEAD WITH BACKPLATE	PEDESTRIAN SIGNAL HEAD	8 FOOT PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD	PEDESTAL MOUNTED FLASHING WARNING	SIGNAL WITH SIGN	PEDESTAL MOUNTED ILLUMINATED SCHOOL ZONE SIGN	PUSH BUTTON ASSEMBLY	SPAN/MASTARM MOUNTED SIGN	OMNI DIRECTIONAL ANTENNA	DIRECTIONAL ANTENNA	EMERGENCY VEHICLE PREEMPTION SENSOR	BLANKOUT MESSAGE SIGN	TRAFFIC CONTROL CENTER	HIGHWAY ADVISORY RADIO	HUB BUILDING	DYNAMIC MESSAGE SIGN (OVERHEAD)	DYNAMIC MESSAGE SIGN (ROADSIDE)	DYNAMIC MESSAGE SIGN (CANTILEVER)		(NOTE: ® INDICATES	VA Ca			METAL POLE	CONCRETE POLE	METAL MASTARM POLE	CLASS 3 WOOD SERVICE POLE WITH DISCONNECT	WOOD POLE	DOWN GUY	H					
	REOUI RED	РВ	T.	F2	0			REGUI RED	F0	FOWC	F0	——————————————————————————————————————	10	10		X	0E	BE			REOUI RED				V NDC		() ()			REGUI RED				REDULRED	XI	PIZ	Y.
BOXES	EXISTING	PB	T-1	F2.	8		IN CONDUIT	EXI STI NG	+0 +			0+0	In		1	すい サイン・マート	- OE	- BE		VEHICULAR DETECTORS	EXISTING		17) 11) 11) 11) 11) 11) 11) 12)	181	voc		œ		CABINETS	EXISTING	E		RAS	EXISTING	х П Ц	214	
ELECTRICAL BOXES		METALLIC PULL BOX	FIBER OPTIC COMMBOX TYPE F1	FIBER OPTIC COMMBOX TYPE F2	TRAFFIC SIGNAL JUNCTION BOX		CABLE IN (		FIBER OPTIC CABLE IN CONDUIT (UNDERGROUND)	FIBER OPTIC CABLE IN CONDUIT (UNDERGROUND WITH CONCRETE)	FIBER OPTIC CABLE IN CONDUIT (BRIDGE ATTACHED)	FIBER OPTIC CABLE (AERIAL INSTALLATION)		INTERCONNECT CABLE (AERIAL INSTALLATION)	CONDUIT	ENCASEMENT	OVERHEAD ELECTRIC	BURIED ELECTRIC		VEH1CUL,		PRESENCE LOOP DETECTOR	QUADRUPOLE LOOP DETECTOR	6'x 6' LOOP DETECTOR	VEHICLE DETECTION CAMERA	VIDEO DETECTION ZONE	RADAR DETECTION UNIT		CABI		CABINET		CAMERAS		CCTV CAMFRA, FIXED	CAMERA.	

S
MARY OF QU
<u> </u>
(N

SHEET NO 3-S

FISCAL YEAR 2023

REFERENCE PROJECT NO

NH-0001(610)

			REGO	SPECIAL &	STANDARD	HIGHWAY	DRAWINGS		0 B C C C B C	H, I, J, K, L, M	
		i i	POWER	SERVICE	ASSEMBLY W/WOOD POLE		730T-010	EACH	-		_
		CONTROLLER	ASSEMBLY,	TYPE NEMA.	16 CHANNELS		730R-041	EACH	1		-
			MISCELLANEOUS	PEDESTAL POLE	AND FOUNDATION		7300-005	EACH	5		D
EQUIPMENT)			MISCELLANEOUS	PEDESTRIAN	PUSH BUTTON		1300-001	EACH	12		12
TIEMS (E		PEDESTRIAN	SIGNAL HEAD,		TYPE LED		730P-100	ЕАСН	14		14
SIGNAL PAY	VEHICULAR	SIGNAL HEAD,	12 INCH,	3 SECTION,	TYPE LED		730P-022	EACH	14		14
RED TRAFFIC SIGNAL PAY ITEMS (EQUIPMENT)		TRAFFIC	SIGNAL	JUNCTION	80x		730K - 000	EACH	11		11
REGUIRED		VEHICLE	LOOP	DETECTOR			7303-010	EACH	12		12
	METAL	TRAFF IC	SIGNAL	STRAIN	POLE		7306-001	EACH	9		9
	METAL	TRAFF LC	SIGNAL	POLE	FOUNDATION		730E-000	ЕАСН	9		9
			NOT LO BOX SO						FRONTAGE ROADS AT MASTIN LAKE ROAD		TOTAL

	ICAL	IIT, REOD	NE, SPECIAL &			057 DRAWINGS	ľ		H, I, J, K, L, M	
	8" ELECTRICAL	CONDUIT,	1 LINE,	TYPE 5	INSTALLATION	756A-057	LIN FI	25		25
	8* ELECTRICAL	CONDUIT,	3 LINES.	TYPE 5	INSTALLATION	756A-043	LIN FT	47		76
IRED TRAFFIC SIGNAL PAY ITEMS (EQUIPMENT)	6. ELECTRICAL		1 LINE,	TYPE 5	INSTALLATION	756A-028	LIN FT	155		77
ITEMS (E		3.*	NON-METALLIC,	CONDUIT		7301-007	LIN FT	54		54
SNAL PAY		2.	NON-METALLIC, NON-METALLIC,	CONDUIT		730L-005	LIN FT	667		667
AFFIC SI		<u>.</u>	NON-METALLIC,	CONDUIT		730L-003	LIN FT	20		50
		<u>:</u>	METALLIC,	CONDUIT		730L-002	LIN FT	15		12
REOL	L00P	DETECTOR	LEAD-IN	CABLE		100-1067	LIN FT	4409		4409
		LOOP	WIRE			730H-001	LIN FT	4160		4160
								RONTAGE ROADS AT MASTIN LAKE ROAD		TOTAL

i	SHS-8	Ĭ	TSD-730-10
mi	TSD-730-1		TSD-730-11
.:	TSD-730-2	ń	TSD-730-13
0	TSD-730-2A	×	TSOP-29
tii	TSD-730-4	i.	SHS-7
110	TSD-730-9	Σ	M. TSD-730-14
in	TSD-730-9A		

REQUIRED SPECIAL & STANDARD

ROUTE SR-1

REOD SIGNAL ITEMS

NOT TO SCALE

SHEET TITLE

SUPER	DESIGNER.	PLAN SUBMITTAL	ALABAMA DEP
DATE	DATE:	OE	

RESPONSIBLE PE

		REFERENCE FISCAL SHEET PROJECT NO YEAR NO NH-0001(810) 2023 2R
IN THE EVENT CONF	TRAFFIC SIGNAL PLAN NOTES EVENT CONFLICTS OCCUR BETWEEN THE PROJECT TRAFFIC SIGNAL AND THE MUTCD, THE MUTCD WILL GOVERN.	NOTES THAT APPLY TO THIS PROJECT.
### STORING HERE IS IN THE FLASHING MODE. THE VEHICLIAR SIGNIL HEADS SHALL FLASH YELLOW ON SPIL.  ### RD ON ALL CROSS STRETS. AND RED ON PROTECTED LEFT TUBNS.  ### RD ON ALL CRISTING TRANSPORT ALL OF THE WAY THE PROPERTY OF THE ALL BAND MISCELLANDLOS AND MISCHARL ASSURE AND MISCHARL AND MISCHARL AND MINIMARIAL AND MINIM	ENCH REQUIRED IRAFIC SIGNAL STRAIN POLE AND WAST AND POLE BAY DOLE BAY THE POLE ELECHARANCE.  ENCH AND STREET. THE CONTRACTOR SHALL ASCERTAIN THAT THE POLE ELECHARACE.  SITO. EACH WAST AND WAY WARY IN LENGTH. THE CONTRACTOR SHALL ASCERTAIN THAT ALL ARRAL LENGTHS ARE SUFFICIENT SO THAT EACH VEHICULAR SIGNAL HEAD POSTITION  CONFIDENT TO THE MATCO. SHALL CONTRACTOR SHALL BECH PROVIDED WITH THE PLANS SHALL ASCERTAIN THAT THE FIRE THAT TO THE MATCO. WERE THE DISTANCES PROVIDE FOR THE VEHICLAR SHALL LOCATIONS IN THAT THE PLANS SHALL ASCENTANT THAT THE FIRE THAT SOLD SHALL SHA	FEE STATE TO BE MANISYLLE TRAFFIC ENGINEER SHALL BE RESPONSIBLE FOR INDUITING AND  SEAL ADJUST THE STAN WITE CONTACTOR BY AND SERVICE THE CONTRACTOR  SHALL ADJUST THE SAN WITE CONTACTOR AND SERVICE THE CONTRACTOR  SHALL ADJUST THE SAN WITE CONTRACTOR AND SERVICE THE MITH JABLA FOR THE STANDARD OF SELVICE THE SHALL ADJUST THE SERVICE THE STANDARD OF SELVICE THE SHALL WITH JABLA FOR NUTSE SELVICE THE SHALL WITH JABLA FOR NUTSE SELVICE TO BE SHAD SHALL SHALL WITH JABLA FOR SHOWN OF PLANS, THAT FROME THE SANDARD OF SHALL NOT SHOWN OF PLANS, THAT FROME THE SANDARD OF SHALL NOT SHOWN OF PLANS, THAT FROME THE SANDARD OF SHALL SHA
RESPONSIBLE PE	DESIGNER   ALABAMA DEPARTMENT   OF TRANSPORTATION	TIVUS TO TO THE TOTAL
DATE: DATE:	30 B	NOT TO SCALE REVISION 2/15/2022 TRAFFIC SIGNAL SR-1

