



# Huntsville, Alabama

308 Fountain Circle  
Huntsville, AL 35801

## Cover Memo

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**Meeting Type:** City Council Regular Meeting **Meeting Date:** 2/22/2024

**File ID:** 2024-1180

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**Department:** Traffic Engineering

**Subject:**

**Type of Action:** Approval/Action

Resolution authorizing the Mayor to execute Modification No. 1 to the Memorandum of Agreement between Madison County, Alabama and the City of Huntsville, Alabama for funding improvements to Countess Road.

Resolution No.

**Finance Information:**

**Account Number:** 3020-75-00000-529000-000000000-

**City Cost Amount:** 9,599.34

**Total Cost:** 9,599.34

**Special Circumstances:** N/A

**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:**

The agreement is for joint funding 50/50 split between the City of Huntsville and Madison County, AL. Additional items were added by ALDOT to the scope of work during the design process that were not included in the original funding application. Upon awarding the bid the equal funding share is higher.

## RESOLUTION NO. 24-107

**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. 1 to the Agreement between Madison County, Alabama and the City of Huntsville, Alabama for Funding of Improvements to Countess Road, adopted and approved on the 23<sup>rd</sup> day of February, 2023, by the City Council of the City of Huntsville, Alabama by Resolution No. 23-136.

**BE IT FURTHER RESOLVED** that the total contract amount be and is hereby modified from THREE THOUSAND EIGHT HUNDRED SEVENTY-FIVE AND NO/100 DOLLARS (\$3,875.00) to NINE THOUSAND FIVE HUNDRED NINETY-NINE AND 34/100 (\$9,599.34), including this Modification No. 1. Agreement is substantially in words and figures similar to that certain document attached hereto and identified as “Modification No. 1 to the Memorandum of Agreement between Madison County, Alabama and the City of Huntsville, Alabama for Funding of Improvements to Countess Road,” as adopted by Resolution No. 23-136 on February 23, 2023, consisting of twenty-two (22) pages and the date of February 22, 2024, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, 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 February, 2024.

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

**APPROVED** this the 22nd day of February, 2024.

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Mayor of the City of Huntsville,  
Alabama

**"ATTACHMENT A"**

STATE OF ALABAMA       )  
COUNTY OF MADISON    )

**MODIFICATION NO. 1 TO MEMORANDUM OF AGREEMENT  
BETWEEN MADISON COUNTY, ALABAMA AND THE  
CITY OF HUNTSVILLE, ALABAMA FOR FUNDING OF  
IMPROVEMENTS TO COUNTESS ROAD**

**THIS IS MODIFICATION NO. 1 TO A MEMORANDUM OF AGREEMENT** entered into on February 23<sup>rd</sup>, 2023 by and between Madison County (hereinafter referred to as the "County"), which is a county within the State of Alabama, and the City of Huntsville (herein referred to as the "City"), a municipal corporation in the State of Alabama. The original agreement is modified from THREE THOUSAND EIGHT HUNDRED SEVENTY-FIVE AND NO/100 DOLLARS (\$3,875.00) to NINE THOUSAND FIVE HUNDRED NINETY-NINE AND 34/100 (\$9,599.34) by and between Madison County, Alabama and the City of Huntsville, Alabama and identified as "Modification No. 1 to the Memorandum of Agreement between The City of Huntsville and Madison County, Alabama for Funding of Improvements to Countess Road."

**WITNESSETH**

**WHEREAS**, Madison County, Alabama identified as "County" to the Memorandum of Agreement dated February 23, 2023, has proposed a change, identified as Attachment "A" to the Original Agreement. This modification makes a change to the joint 50/50 split cost between the County and City due to ALDOT adding scope items to the project during the design process that were not included in the original funding application.


**WHEREAS**, the County 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 COUNTY and the CITY agree to the following modification to the agreement:

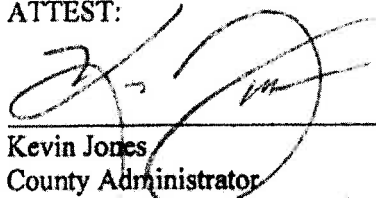
1. The new joint cost, 50/50 amount per this modification will be NINE THOUSAND FIVE HUNDRED NINETY-NINE AND 34/100 DOLLARS (\$9,599.34).
2. The terms of this contract modification and the execution thereof is not in any way to be viewed as a waiver on the part of the Owner of any of its rights pursuant to the Contract. All other terms and conditions remain unchanged.
3. The Parties agree that any form of electronic signature, including but not limited to signatures via facsimile, scanning, or electronic mail, may substitute for the original signature and shall have the same legal effect as the original signature.

IN WITNESS WHEREOF, the parties have 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.

MADISON COUNTY, ALABAMA

  
Mac McCutcheon, Chairman  
Madison County Commission

ATTEST:

  
Kevin Jones  
County Administrator  
Date: 2/14/2024

CITY OF HUNTSVILLE

\_\_\_\_\_  
Tommy Battle  
Mayor

ATTEST:

\_\_\_\_\_  
Shaundrika Edwards  
City Clerk

Date: 2/22/2024



## Madison County Department of Public Works

Chuck Faulkner, P.E.  
Director of Public Works  
County Engineer

December 11, 2023

Mr. Nicholas T. Nene, P.E., PTOE  
Director of Traffic Engineering  
City of Huntsville  
2100 Clinton Avenue W  
Huntsville, AL 35805

**RE: Project No. HRRR-4523(251)  
Madison County Project No. 45-04-23  
FY 2023 LRSI Program – Countess Road  
Madison County, Alabama**

Dear Mr. Nene:

As you are aware, the City of Huntsville and Madison County agreed to a Memorandum of Agreement concerning the joint funding of the above referenced project. The Memorandum of Agreement specified a 50/50 funding split between the two entities. Based on the cost estimate that was developed for the funding application, the equal funding share for both parties was estimated to be \$3,875.00. However, ALDOT added scope items to the project during the design process that were not included in the original funding application and the unit prices in the bids were higher than the unit prices used in the funding application that was prepared in July 2022. Based on the awarded bid, the equal funding share for both parties is \$9,599.34.

Therefore, Madison County respectfully requests that the City of Huntsville provide matching funds in the amount of \$9,599.34.

Please advise if you have any questions or if additional information is needed to process this request.

Sincerely,

**Madison County**

A handwritten signature in blue ink, appearing to read 'Chuck Faulkner', is written over a horizontal line.

Chuck Faulkner, P.E.  
County Engineer



**Alabama Department of Transportation**  
**Vendor Ranking**

**DATE: 9/29/2023**

**Page: 1**

**Call Order:** 014

**Contract ID:** 20230929014

**County:** MADISON

**Letting Date:** September 29, 2023

**Area / District:** 0102

**Contract Time:** 30 Working Days

**Contract Description:**

**Project(s):** HRRR-4523(251)

ROADWAY SAFETY IMPROVEMENTS ON COUNTESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF THE JUNCTION OF COLBY DRIVE

Rank	Vendor	Name	Amount
1	18031	ROGERS GROUP, INC.	\$115,404.50
2	07083	GRAYSON CARTER & SON CONTRACTING, INC.	\$129,981.48



**Alabama Department of Transportation**  
**Tabulation of Bids**

**DATE: 9/29/2023**

**Page: 1**

**Call Order:** 014      **Contract ID:** 20230929014      **County:** MADISON  
**Letting Date:** September 29, 2023      **Area/District:** 0102      **Contract Time:** 30 Working Days  
**Contract Description:**      **Project(s):** HRRR-4523(251)  
ROADWAY SAFETY IMPROVEMENTS ON COUNTESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF THE JUNCTION OF COLBY DRIVE

Line No./Item ID/ Item Description			ROGERS GROUP INC.		GRAYSON CARTER & SON CONTRACTING INC.			
All Set	All Member	Quantity and Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
<b>SECTION: 0001 Total</b>								
0010	206D001	59.000	16.39	967.01	16.50	973.50		
	Removing Guardrail	LF						
0020	206E008	1.000	382.38	382.38	385.00	385.00		
	Removing Guardrail End Anchor (All Type)	Each						
0030	210A000	14.000	157.68	2,207.52	96.19	1,346.66		
	Unclassified Excavation	CUYD						
0040	210D001	8.000	303.89	2,431.12	380.73	3,045.84		
	Borrow Excavation (Loose Truckbed Measurement)	CUYD						
0050	301A012	50.000	55.50	2,775.00	77.18	3,859.00		
	Crushed Aggregate Base Course, Type B, Plant Mixed, 6" Compacted Thickness	SQYD						
0060	401A000	50.000	8.65	432.50	7.95	397.50		
	Bituminous Treatment A	SQYD						
0070	405A000	5.000	5.17	25.85	5.96	29.80		
	Tack Coat	Gal						
0080	424A360	5.000	736.26	3,681.30	961.18	4,805.90		
	Superpave Bituminous Concrete Wearing Surface Layer, 1 1/2" Maximum Aggregate Size Mix, ESAL Range C/D	Ton						



Alabama Department of Transportation  
Tabulation of Bids

DATE: 9/29/2023

Page: 2

Call Order: 014 Contract ID: 20230929014 County: MADISON  
Letting Date: September 29, 2023 Area/District: 0102 Contract Time: 30 Working Days  
Contract Description: Project(s): HRRR-4523(251)  
ROADWAY SAFETY IMPROVEMENTS ON COUNTESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF THE JUNCTION OF COLBY DRIVE

Line Item ID		MROGERS GROUP INC		J. GRAYSON PARTER & SONS	
Road District				CONTRACTING CO.	
Item	Quantity and Units	Unit Price	Ext Amount	Unit Price	Ext Amount
0090 424B651	7.000	495.40	3,467.80	678.12	4,746.84
Superpave Bituminous Concrete Upper Binder Layer, 1" Maximum Aggregate Size Mix, ESAL Range C/D	Ton				
0100 600A000	(1.000)	11,222.00	11,222.00	23,846.13	23,846.13
Mobilization	LS				
0110 630A001	25.000	29.33	733.25	33.00	825.00
Steel Beam Guardrail, Class A, Type 2	LF				
0120 630A034	149.000	76.48	11,395.52	77.00	11,473.00
Steel Beam Guardrail, Class A, Type 2 (8'-0" Post)	LF				
0130 630C080	1.000	4,370.00	4,370.00	4,400.00	4,400.00
Guardrail End Anchor, Type 20 Series (MASH)	Each				
0140 630G003	19.000	327.75	6,227.25	330.00	6,270.00
Steel Beam Guardrail for Culvert, Class A, Type 2, Case 3	LF				
0150 650A000	16.000	168.79	2,700.64	187.00	2,992.00
Topsoil	CUYD				
0160 654A001	130.000	19.61	2,549.30	25.27	3,285.10
Solid Sodding (Bermuda)	SQYD				
0170 665J002	500.000	10.32	5,160.00	9.00	4,500.00
Silt Fence	LF				





Alabama Department of Transportation  
Tabulation of Bids

DATE: 9/29/2023

Page: 3

Call Order: 014 Contract ID: 20230929014 County: MADISON  
Letting Date: September 29, 2023 Area/District: 0102 Contract Time: 30 Working Days  
Contract Description: Project(s): HRRR-4523(251)  
ROADWAY SAFETY IMPROVEMENTS ON COUNTESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF THE JUNCTION OF COLBY DRIVE

Line No. Item Description			M. ROGERS GROUP INC.		J. GRAYSON CARTER & SON			
			Unit Price	Ext. Amount	Unit Price	Ext. Amount	Unit Price	Ext. Amount
0180	6650001	500.000	5.65	2,825.00	4.35	2,175.00		
Silt Fence Removal LF								
0190	665Q002	250.000	10.73	2,682.50	12.75	3,187.50		
Wattle LF								
0200	680A001	(1.000)	5,740.18	5,740.18	3,351.39	3,351.39		
Geometric Controls LS								
0210	698A000	(1.000)	0.00	0.00	0.01	0.01		
Construction Fuel (Maximum Bid Limited to \$ 4,500.00) LS								
0220	701A227	1.000	5,189.38	5,189.38	5,060.00	5,060.00		
Solid White, Class 2, Type A Traffic Stripe (5" Wide) Mile								
0230	701A230	1.000	5,189.38	5,189.38	5,060.00	5,060.00		
Solid Yellow, Class 2, Type A Traffic Stripe (5" Wide) Mile								
0240	701D005	1.000	7,101.25	7,101.25	7,150.00	7,150.00		
Solid Traffic Stripe Removed Mile								
0250	701G252	525.000	12.02	6,310.50	12.10	6,352.50		
Solid White, Class 2, Type A Traffic Stripe (5" Wide) (Rumble Strip) LF								
0260	705A031	264.000	8.74	2,307.36	8.80	2,323.20		
Pavement Markers, Class A-H, Type 1-A Each								



**Alabama Department of Transportation**  
**Tabulation of Bids**

**DATE: 9/29/2023**

**Page: 4**

**Call Order:** 014      **Contract ID:** 20230929014      **County:** MADISON  
**Letting Date:** September 29, 2023      **Area/District:** 0102      **Contract Time:** 30 Working Days  
**Contract Description:**      **Project(s):** HRRR-4523(251)  
**ROADWAY SAFETY IMPROVEMENTS ON COUNTESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF THE JUNCTION OF COLBY DRIVE**

Item No.		Description		BIDDER		BIDDER	
Alt. Set / Alt. Member		Quantity and Units		Unit Price		Ext. Amount	
0270	705A037	32.000		8.74	279.68	8.80	281.60
Pavement Markers, Class A-H, Type 2-D		Each					
0280	710A165	87.000		28.75	2,501.25	23.65	2,057.55
Class 10 Aluminum Flat Sign Panels 0.08" Thick (Type XI Background, Fluorescent)		SQFT					
0290	710B021	154.000		13.80	2,125.20	21.45	3,303.30
Roadway Sign Post (#3 U Channel, Galvanized Steel or 2", 14 Ga Square Tubular Steel)		LF					
0300	710C000	(1.000)		1,150.00	1,150.00	467.50	467.50
Removal Of Existing Roadway Signs		LS					
0310	740B000	212.000		34.24	7,258.88	42.18	8,942.16
Construction Signs		SQFT					
0320	740E000	50.000		60.96	3,048.00	42.60	2,130.00
Cones (36 inches High)		Each					
0330	740M001	50.000		19.35	967.50	19.17	958.50
Ballast For Cone		Each					
<b>Section Totals:</b>					<b>\$115,404.50</b>		<b>\$129,981.48</b>
<b>Contract Totals</b>					<b>\$115,404.50</b>		<b>\$129,981.48</b>

( ) indicates item is bid as Lump Sum



# ALABAMA

## DEPARTMENT OF TRANSPORTATION

### PLANS OF PROPOSED PROJECT NUMBER HRRR-4523(251)

SAFETY IMPROVEMENTS (CURVE WARNING SIGNS, STRIPING, PAVEMENT MARKERS, RUMBLE STRIPS, GUARDRAIL, AND SHOULDER WIDENING) ON  
COUNTLESS ROAD APPROXIMATELY 1,000 FEET SOUTH OF COLBY DRIVE  
MADISON COUNTY

REQUIRED BRIDGE

NONE

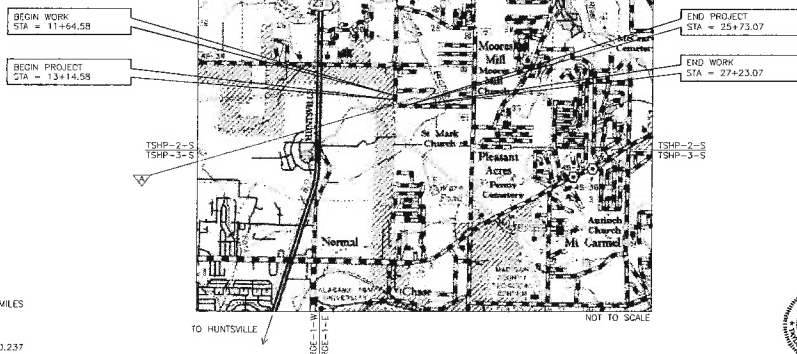
EXISTING BRIDGE CULVERT (RETAIN)

INDEX	STA	TO	STA	LENGTH	BIN
▽	18+65.35		18+85.85	20.50'	012666

TOTAL EFFECT 20.50'

EQUATIONS AND EXCEPTIONS

NONE



NOT TO SCALE

NOTE:  
THE BIDDER'S ATTENTION IS DIRECTED TO SUBARTICLE 102.08(b)  
CONTAINED IN THE STANDARD SPECIFICATIONS DATED 2022.  
CONCERNING COMBINATION BIDS (COUNTY FINANCED PROJECTS).

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	HRRR-4523(251)	2023	1	13
CONTRACT ID NO				

PRELIMINARY PROJECT NO NCP 45-04-23  
CODE NO 4356 CSWAB 100323372

Design Designation	
ADT ( 2023 )	3880
ADT ( 2033 )	4970
V	10%
D	51%
TQW	
TADT	4%
V ( DESIGN SPEED )	40 MPH
MIN STOPPING SIGHT DIST	305 FT

THESE PLANS HAVE BEEN PREPARED TO CONFORM  
WITH THE ALABAMA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS FOR HIGHWAY  
CONSTRUCTION, 2022 EDITION.



MADISON COUNTY
Submitted for Approval:
COUNTY ENGINEER
ALABAMA DEPARTMENT OF TRANSPORTATION
Submitted for Approval:
REGION ENGINEER
STATE LOCAL TRANSPORTATION ENGINEER
CHIEF ENGINEER
Approved:
TRANSPORTATION DIRECTOR



PREPARED BY:  
MADISON COUNTY  
DEPARTMENT OF PUBLIC WORKS



REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	1A

SHEET NO	DESCRIPTION
1	TITLE SHEET
1A	INDEX TO SHEETS
1B	INDEX TO SPECIAL AND STANDARD DRAWINGS
1C - 1D	PLANS LEGEND SHEET
2	TYPICAL SECTIONS
2A	PROJECT NOTES
2B	TRAFFIC CONTROL PLAN STANDARD NOTE SHEET
3 - 3A	SUMMARY OF QUANTITIES
4	PLAN SHEET
5	STRIPING AND SIGNING SHEET
6 - 9	OMITTED
10	TRAFFIC CONTROL PLAN, QUANTITIES, AND SEQUENCE OF CONSTRUCTION
11 - 12	OMITTED
13	TRAFFIC CONTROL PLAN DETAILS



REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	1B

INDEX NO	SP-DWG NO	DESCRIPTION	INDEX NO	SP-DWG NO	DESCRIPTION
63001	GR-630-S (SHEET 1 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS [DELINATORS / REFLECTORS FOR GUARDRAIL OR CONCRETE BARRIER RAIL]	66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
63002	GR-630-S (SHEET 2 OF 3)	(MASH) GUARDRAIL HEIGHT TRANSITION DETAIL	66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
63003	GR-630-S (SHEET 3 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS	66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
63013	GR-630-CL (SHEET 1 OF 4)	DETAILS FOR GUARDRAIL (MASH) AT CULVERTS WHERE POSTS ARE BOLTED TO THE TOP OF THE CULVERT	66529	ESC-501	FLOATING BASIN BOOM
63014	GR-630-CL (SHEET 2 OF 4)	DETAILS FOR CONCRETE BARRIER TYPE CSF 4-A (MODIFIED) AT CULVERTS WHERE SHALLOW FILL HEIGHTS WILL NOT ACCOMMODATE NORMAL GUARDRAIL POSTS	66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
63015	GR-630-CL (SHEET 3 OF 4)	DETAILS FOR GUARDRAIL (MASH) AT CULVERTS WHERE POSTS ARE BOLTED TO THE PARAPET OF THE CULVERT	66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
63016	GR-630-CL (SHEET 4 OF 4)	DETAILS FOR LONG SPAN GUARDRAIL (MASH) AT CULVERTS WHERE SHALLOW FILL HEIGHTS WILL NOT ACCOMMODATE NORMAL POSTS	66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
63050	GA-630-20 (SHEET 1 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (SOFTTOP)	66541	ESC-505	TEMPORARY STREAM DIVERSION
63051	GA-630-20 (SHEET 2 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MSKT)	66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
63052	GA-630-20 (SHEET 3 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)	66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
65001	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION	66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
66501	ESC-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	67201	ESC-508	FLOCCULANT USAGE GUIDE
66502	ESC-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
66505	ESC-200-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS	70101	PM-701-1	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR	70104	197-NPL	DETAILS NO PASSING LINES FOR TWO LANE, TWO DIRECTION ROADWAY
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS	70183	PM-705-5	DETAILS OF THERMOPLASTIC RUMBLE STRIPS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION	70501	PM-705-1	DETAILS OF PAVEMENT MARKERS CLASS A, A-H, AND B
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER	70504	PM-705-2	DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS
66512	ESC-300-1	DITCH CHECK STRUCTURE, TYPICAL APPLICATIONS AND DETAILS	71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS	71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING OF STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECK	71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS	71060	SHS-1	STANDARD HIGHWAY SIGNS
66516	ESC-300-5	DETAILS OF SILT DIKE DITCH CHECKS	71069	SHS-10	STANDARD HIGHWAY SIGNS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS	71074	SHS-12	STANDARD HIGHWAY SIGNS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION	71079	SHS-17	STANDARD HIGHWAY SIGNS
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS	71090	SHS-26	STANDARD HIGHWAY SIGNS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	71093	SHS-29	STANDARD HIGHWAY SIGNS
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS	71095	SHS-31	STANDARD HIGHWAY SIGNS
			74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES



# PLANS LEGEND SHEET

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
HRHR-452X(251)	2023	1C

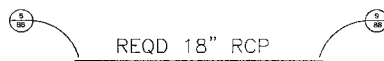
## ROADWAY

CENTER LINE	55+00
STATE BOUNDARY LINE	
COUNTY BOUNDARY LINE	
CITY OR TOWN LIMITS	
SECTION LINES	SEC 22 SEC 23
QUARTER-SECTION LINES	R-17-E R-18-E
RANGE-TOWNSHIP LINES	
PROPERTY LINES	
PRESENT ROW	
ACQUIRED ROW	
DENIED ACCESS	
REQUIRED FENCE	
CONSTRUCTION LIMITS	CONST LIM
CLEARING LIMITS	
RAILROAD	
EXISTING WOOD FENCE	
EXISTING BARBED WIRE FENCE	
EXISTING CHAIN LINK FENCE	
EXISTING ELECTRIC FENCE	
EXISTING MDG WIRE FENCE	
TREES	
WOODS LINE	
MARSH	
EXISTING DITCH	
REQUIRED DITCH	
GRAVEL ROAD	
EXISTING GUARDRAIL	
REQUIRED GUARDRAIL	
SATELLITE DISH	
TRAFFIC LIGHT	
BENCH MARK	
SURVEY POINT	
ENVIRONMENTAL CLEARED LIMITS	ENV

EXISTING PIPE	
REQUIRED PIPE (WITH PIPE END TREATMENT)	
REQUIRED PIPE END TREATMENT	
EXISTING BOX CULVERT	
REQUIRED BOX CULVERT	
EXTENDED CULVERT	
DROP INLET OR JUNCTION BOX (SEE PLANS DESCRIPTION)	
BRIDGE	
PIPE CULVERT (ELEVATION VIEW)	E = 410.25
BOX CULVERT (ELEVATION VIEW)	E = 420.55

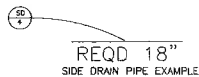
## DRAINAGE STRUCTURE INDEX NUMBERS

DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAINAGE STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 8B) IS THE SHEET REFERENCE NUMBER.



ROADWAY PIPE EXAMPLE

ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.



SIDE DRAIN PIPE EXAMPLE

DIRECTION OF FLOW

## UTILITIES

EXISTING	PROPOSED
POWER POLE	
LIGHT POLE	
TELEPHONE POLE	
ANCHOR	
STUB (POWER)	
STUB (TELEPHONE)	
ELECTRIC DUCT	
OVERHEAD ELECTRIC CABLE	
ELECTRIC MANHOLE	
TOWER	
TELEPHONE PEDESTAL	
TELEPHONE DUCT	
BURIED TELEPHONE CABLE	
OVERHEAD TELEPHONE CABLE	
TELEPHONE MANHOLE	
SANITARY SEWER	
WATER LINE	
WATER MAIN	
WATER VALVE	
FIRE HYDRANT	
WATER METER	
GAS LINE	
GAS MAIN	
GAS VALVE	
GAS REGULATOR	
BURIED CABLE TELEVISION	
OVERHEAD CABLE TELEVISION	

EXISTING PAVEMENT (RETAIN)	
EXISTING PAVEMENT (REMOVE)	
EXISTING PAVEMENT (RETAIN AND OVERLAY)	
CONCRETE (EXISTING OR REQUIRED)	
EXISTING CONCRETE (REMOVE)	
RIP RAP (EXISTING OR REQUIRED)	



REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	10

[illegible]

LOCATOR SYMBOL	DATE	NAME	SECTION FILE	SPECIFICATION

PLAN SUBMITTAL



ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

SHEET TITLE:	ROUTE
ABBREVIATIONS SHEET	COUNTLESS ROAD

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	2

RADIUS TO RADIUS  
SEE SHEET 4

MATCH EX MATCH

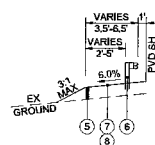
EX GROUND EX GROUND

ASPHALT DRIVEWAY SECTION

NOT 1.

## NOTES

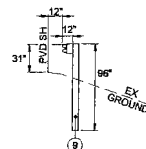
- NOTES:
1. ASPHALT DRIVEWAY SHALL TIE TO THE EXISTING COUNTRESS ROAD EDGE OF PAVEMENT ELEVATION AND SHALL TRANSITION TO MATCH THE EXISTING DRIVEWAY ELEVATION OVER 10 FEET.



## NOTES

- NOTES:
1. SHOULDER WIDENING ONLY REQUIRED FOR INSTALLATIONS OF ITEM 630C-080.
  2. SEE SP-DWG NO GA-630-20 (3 SHEETS) FOR ADDITIONAL DETAILS.

### DETAIL OF SHOULDER WIDENING AT GUARDRAIL END ANCHORS



DETAIL OF GUARDRAIL WITH 8' POSTS

### IN-PLACE MATERIALS LEGEND

**A** IN-PLACE DRIVEWAY (REMOVE)

### REQUIRED MATERIALS LEGEND

①	424A-350	SUPERPAVE BITUMINOUS CONCRETE MEANING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MAX, ESAL RANGE QD (APP 160 LBS/YS)
②	424B-451	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MAX, ESAL RANGE QD (APP 280 LBS/YS)
③	451A-000	BITUMINOUS TREATMENT A
④	451A-012	CRUSHED AGGREGATE BASE COURSE, TYPE A, PLANT MIXED, 6" COMPACTED THICKNESS
⑤	210A-000	UNCLASSIFIED EXCAVATION
⑥	2101-201	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
⑦	630C-080	GRAPNEL, END ANCHOR, TYPE 2B SERIES (MASH)
⑧	650A-000	TORSPOL
⑨	654A-001	SOIL SODDING (SERMUDA)
⑩	630A-034	STEEL BEAM GRAPNEL, CLASS A, TYPE 2 (6-4" POST)

PLAN SUBMITTAL

ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

## SUMMARY

AGUTL

TYPICAL SECTION

COUNTES



# PROJECT NOTES

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
HRRP-4523(251)	2023	2A

NOTE NO	NOTE
200	ROADBED PROCESSING IS WAIVED AT DRIVEWAYS. THE SUBGRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE OVERLYING LAYER.
201	SHOULDERS SHALL BE WIDENED TO ACCOMMODATE GUARDRAIL END ANCHORS. SEE SPECIAL DRAWING NO GA-630-20.
300	OMITTED
301	REQUIRED GUARDRAIL WHICH IS TO BE BENT TO A 80' RADIUS, SHALL BE SHOP-FORMED. THE RAIL SHALL BE INSTALLED USING BREAKAWAY WOOD POST WITHOUT BLOCKOUTS THROUGH THE LIMITS OF THE RADIUS. GUARDRAIL THROUGH THE LIMITS OF THE RADIUS, INCLUDING THE COST OF BENDING, SHALL BE PAID FOR UNDER ITEM 630A-034. THE GUARDRAIL SHALL BE TERMINATED WITH A TYPE 20 SERIES (MASH) END ANCHOR AS DETAILED ON SPECIAL DRAWING GA-630-20.
302	EROSION AND SEDIMENT CONTROL ITEMS (SILT FENCE AND WATTLES) SHALL BE USED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
303	THE FOLLOWING QUANTITIES ARE INCLUDED FOR THE REQUIRED DRIVEWAY CONSTRUCTION RIGHT OF STATION 19+25 TO 19+68 AND THE REQUIRED SHOULDER WIDENING FOR THE TYPE 20 END ANCHOR INSTALLATION. <div> <div>210A-000 UNCLASSIFIED EXCAVATION</div> <div>210D-001 BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)</div> <div>14 CUBIC YARD</div> <div>8 CUBIC YARD</div> </div>
400	RIGHT-OF-WAY ALONG COUNTESS ROAD WITHIN THE PROJECT LIMITS IS PRESCRIPTIVE RIGHT-OF-WAY.
401	REQUIRED LANE WIDTHS ALONG COUNTESS ROAD SHALL MATCH THE EXISTING LANE WIDTHS.
600	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS OF ANY NATURE, AND/OR ELECTRICAL/COMMUNICATIONS CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES.
801	SEE SHEET 4 FOR UTILITY OWNERS' CONTACT INFORMATION.
802	THERE IS A HIGH PRESSURE GAS MAIN ON THE WEST SIDE AND SOUTH SIDE OF COUNTESS ROAD WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH OF THE EXISTING GAS MAIN PRIOR TO BEGINNING WORK.
803	THERE IS A FIBER OPTIC LINE ON THE WEST SIDE AND SOUTH SIDE OF COUNTESS ROAD WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH OF THE EXISTING FIBER OPTIC LINE PRIOR TO BEGINNING WORK.
900	NPOES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.
901	OMITTED
902	OMITTED
903	OMITTED
904	OMITTED
905	OMITTED
906	THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY. IN ADDITION, FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZERS, ETC. SHALL NOT BE LEFT UNATTENDED ON THE RIGHT OF WAY.

DATE: 11/01/23 BY: JMM/NAME: 11/01/23 FILE: 11/01/23

PLAN SUBMITTAL
DC



ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

SHEET TITLE	ROUTE
PROJECT NOTES	COUNTESS ROAD

1. THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE MUTCD, PART 6, AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
2. THE CONTRACTOR MAY BE REQUIRED TO FURNISH ADDITIONAL WARNING SIGNS AND FLAGGERS NOT SHOWN ON THE TRAFFIC CONTROL PLAN WHENEVER HIS FORCES ARE WORKING ON, NEAR, OR CROSSING ANY CONNECTING ROADS OR STREETS. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
3. ANY SIGNING OR OTHER TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS TCP BUT DEEMED NECESSARY BY THE ENGINEER SHALL BE FURNISHED BY THE CONTRACTOR AND PAID FOR UNDER THE APPROPRIATE PAY ITEM.
4. WHERE THE LOCATION OF A REQUIRED SIGN FALLS ON A DRIVEWAY, SIDEWALK, BRIDGE, ETC., OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR IS TO RELOCATE, COVER, OR REMOVE DURING CONSTRUCTION, AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME THE PROPERTY OF THE COUNTY. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
6. ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS AUTHORIZED BY THE ENGINEER.
7. FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATIONS AT ALL TIMES. FLAGGER STATION LOCATIONS MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.
8. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
9. RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
10. CONSTRUCTION SIGNS MOUNTED ON A SINGLE OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWINGS IHS-710-21 AND IHS-710-23.
11. DURING NON-WORKING HOURS, NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALABAMA DEPARTMENT OF TRANSPORTATION.
12. DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL DRESS SHOULDERS TO THE EDGE OF PAVEMENT TO PREVENT TEMPORARY DROP-OFFS IN EXCESS OF 2 INCHES AFTER EACH DAY'S PAVING IS COMPLETE. COST TO BE A SUBSIDIARY OBLIGATION OF THE ASSOCIATED PLANT MIX ITEM.
13. A DIFFERENCE IN ELEVATION OF APPROXIMATELY TWO (2) INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS TWO (2) INCHES OR LESS.
14. THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
15. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
16. W8 SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN ONE MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT ONE MILE INCREMENTS THEREAFTER.
17. THE W20-7 AND W20-4 SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.

○ ADDITIONAL NOTES FOR TRAFFIC CONTROL PLAN UTILIZING CONES FOR LANE CLOSURE.

- 18. TRAILER OR VEHICLE WITH FLAGS OR LIGHTS, REQUIRED BY THIS SCHEME, SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
19. ALL CONTRACTOR'S EMPLOYEES PERSONAL VEHICLES AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION SHALL BE PARKED A MINIMUM OF 30 FEET FROM THE TRAVELED WAY DURING WORKING HOURS, SO AS NOT TO CREATE A HAZARD. EQUIPMENT AND VEHICLES MAY BE PARKED CLOSER IF OUTSIDE THE CLEARZONE AND WITH PERMISSION OF THE ENGINEER.
20. REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
21. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS. THE LATERAL PLACEMENT OF THE FLAGGER MAY BE VARIED FROM THAT SHOWN.
22. ALL SIGNS SHALL BE POST MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS IN THE SAME LOCATIONS, WHEN ALL DEVICES ARE REMOVED AT NIGHT, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS.
23. ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.
24. PAVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.
- 25. FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF FLAGGERS ARE IN SIGHT OF EACH OTHER ON A TWO LANE ROADWAY.
- 26. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- 27. TAPER SHOULD BE FORMED BY PLACING ONE CONE FOR EACH FOOT OF LANE WIDTH.
- 28. THE SPACING BETWEEN CHANNELIZING DEVICES IN A WORK AREA SHOULD BE APPROXIMATELY EQUAL TO TWO TO FOUR TIMES THE SPEED LIMIT. FOR LOW SPEED ROADS AND STREETS, A CLOSER SPACING SHOULD BE USED.
29. THE LIMITS OF THE WORK AREA SHALL BE DETERMINED BY THE ENGINEER.
30. THE G20-1 AND G20-2 SIGNS ARE NOT REQUIRED FOR PROJECTS LESS THAN 2 MILES IN LENGTH. WHEN G20-1 AND G20-2 SIGNS ARE NOT USED, THE R16-3 SIGNS SHALL BE PLACED 500 FT IN ADVANCE OF THE "ROAD WORK 1500 FT" SIGNS AND THE R16-3a SIGNS SHALL BE PLACED 250 FT PAST THE TERMINATION OF THE LANE CLOSURE AS INDICATED IN THE TRAFFIC CONTROL PLAN. R16-3b (HIGHER FINE ZONE) SIGNS SHALL BE POSTED AT MAXIMUM INTERVALS OF 3 MILES THROUGHOUT THE PROJECT LIMITS.
- 31. DURING PLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END CANNOT BE REPLACED IN ONE DAY'S TIME.
32. ONE W20-1 SIGN (ROAD WORK 500 FT) HAS BEEN SET UP TO BE USED AT EACH INTERSECTING STREET OR ROAD. A W20-1 (STD.) SIGN (3' X 3') SHOULD BE USED FOR LOW VOLUME, LOW SPEED INTERSECTING STREETS / ROADS. A W20-1 (EXPRY./FRWY.) SIGN (4' X 4') SHOULD BE USED FOR HIGH VOLUME, HIGH SPEED INTERSECTING STREETS / ROADS.
33. IF THE CONTRACTOR CHOOSES TO SPLICE THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON SPECIAL DRAWING IHS-710-23.

REVISIONS	
DRAWN - 01/25/07	12/14/11 - REVISED NOTE 11 TO OMIT REFERENCE TO ANOTHER SHEET
06/05/08 - Revised Note 12 & Added Note 13	12/16/11 - REVISED NOTE 23
01/23/10 - Deleted Note 6	3/17/20 - ADDED NOTE 9 AND 16
04/08/20 - Revised Note 30	TO OMIT REFERENCE TO SPECIAL DRAWING IHS-710-21
03/29/21 - Revised Notes 10 and 31	4/13/21 - ADDED NOTE 30 AND REVISED NOTE 12
04/13/21 - Revised Note 31	11/18/21 - REVISED NOTE 30
10/05/21 - Revised Notes 10 and 31	11/17/21 - REVISED NOTE 11
03/16/22 - Revised Note 1	CHANGED BUREAU NAME IN TITLE BLOCK - 6/16/22
10/10/23 - REVISED NOTES 12, 17, & 32 BASED ON SIGN REVISIONS IN THE 2011 SPEC/STD DRAWING BOOK	10/24/23 - DELETED NOTE 30
2/05/24 - DELETED NOTE 9	1/18/24 - ADDED NOTE 23
	7/31/24 - REVISED NOTE 23
	7/31/24 - REVISED NOTE 23
	8/13/24 - REVISED NOTE 29

ALABAMA DEPARTMENT  
OF TRANSPORTATION  
  
LOCAL TRANSPORTATION  
BUREAU  
  
TRAFFIC CONTROL PLAN  
STANDARD NOTE SHEET

PROJECT NO.	FISCAL YEAR	SHEET NO.
HRRR-4523(251)	2023	2B

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	3

DATA TABLE	UNIT	NAME	DESCRIPTION	FILE	SPECIFICATION
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PLAN SUBMITTAL
III

ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

SHEET TITLE  
SUMMARY OF QUANTITY  
PAY SHEET

COUNTESS  
ROAD

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
HRRR-4523(251)	2023	3A

● 301

UPDATED	STATUS	SUSER NAME	B\$DESIGN FILE SPECIFICATION\$\$\$
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PLAN SUBMITTAL
OE

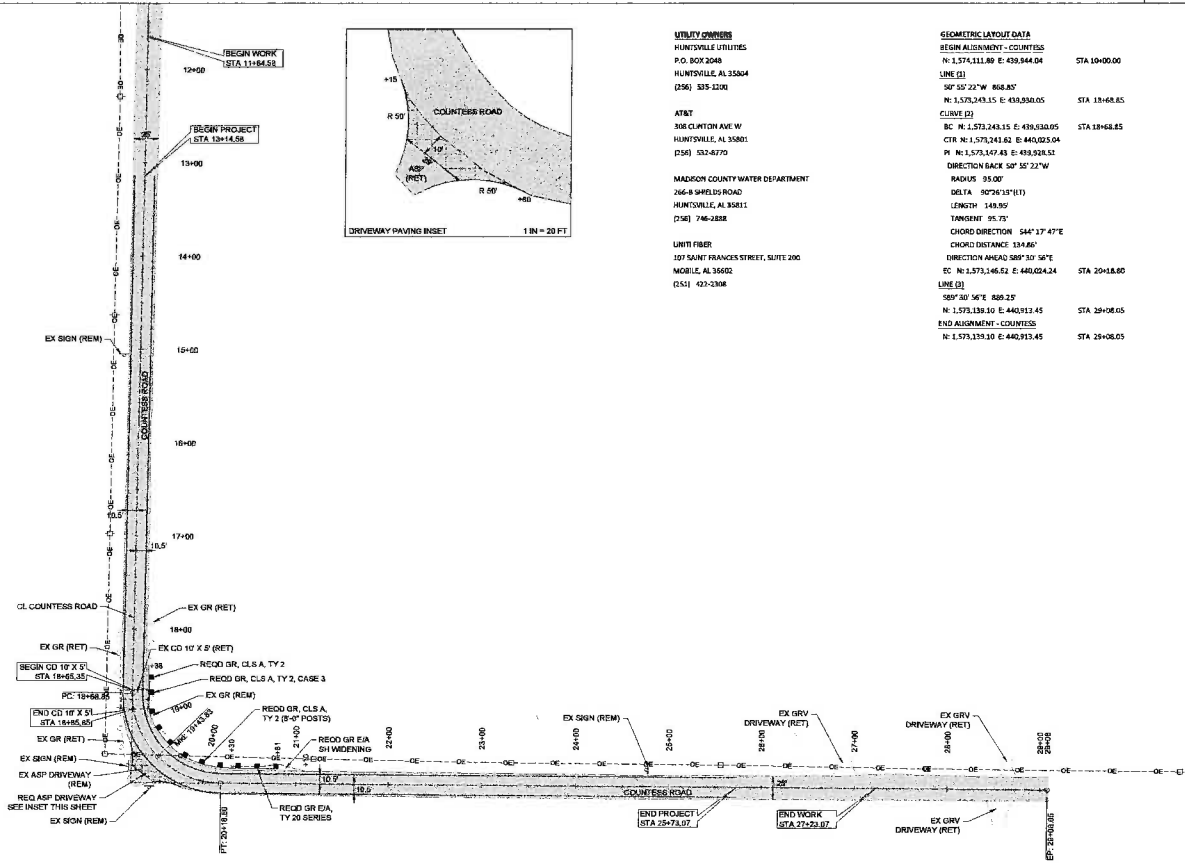
ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

SHEET TITLE	ROUTE
SUMMARY OF QUANTITIES	COUNTLESS ROAD

# PLAN SHEET

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
HRPR-4523(251)	2023	4



**UTILITY OWNERS**  
 HUNTSVILLE UTILITIES  
 P.O. BOX 2048  
 HUNTSVILLE, AL 35804  
 (256) 535-2200

**AT&T**  
 308 CLINTON AVE W  
 HUNTSVILLE, AL 35801  
 (256) 532-4770

**MADISON COUNTY WATER DEPARTMENT**  
 266-8 WHEELS ROAD  
 HUNTSVILLE, AL 35811  
 (256) 746-2888

**UNIT FIBER**  
 107 SAINT FRANCES STREET, SUITE 200  
 MOBILE, AL 36602  
 (251) 423-2308

**GEOMETRIC LAYOUT DATA**  
 BEGIN ALIGNMENT - COUNTRESS  
 N: 1,574,111.89 E: 459,944.04 STA 10+00.00  
 LINE (1)  
 30°55'22" W 408.85'  
 N: 1,575,243.15 E: 439,930.05 STA 13+48.85  
 CURVE (2)  
 BC N: 1,573,243.15 E: 439,930.05 STA 13+48.85  
 CTR N: 1,573,241.82 E: 440,033.04  
 PI N: 1,573,147.81 E: 439,938.52  
 DIRECTION BACK 50° 10' 22" W  
 RADIUS 95.00'  
 DELTA 107°34'13" (E)  
 LENGTH 145.99'  
 TANGENT 95.73'  
 CHORD DIRECTION 544° 27' 47"E  
 CHORD DISTANCE 134.86'  
 DIRECTION AHEAD 589° 33' 56"E  
 EC N: 1,573,146.52 E: 440,034.24 STA 20+18.80  
 LINE (3)  
 389° 30' 56" E 408.22'  
 N: 1,573,138.10 E: 440,913.45 STA 28+06.05  
 END ALIGNMENT - COUNTRESS  
 N: 1,573,139.10 E: 440,913.45 STA 28+06.05

**PROJECT NOTES**  
 400.401

DATE: 11/16/23 DESIGN: P.E. SPECIFICATIONS: 11/16/23

PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
02			PLAN SHEET	COUNTRESS ROAD

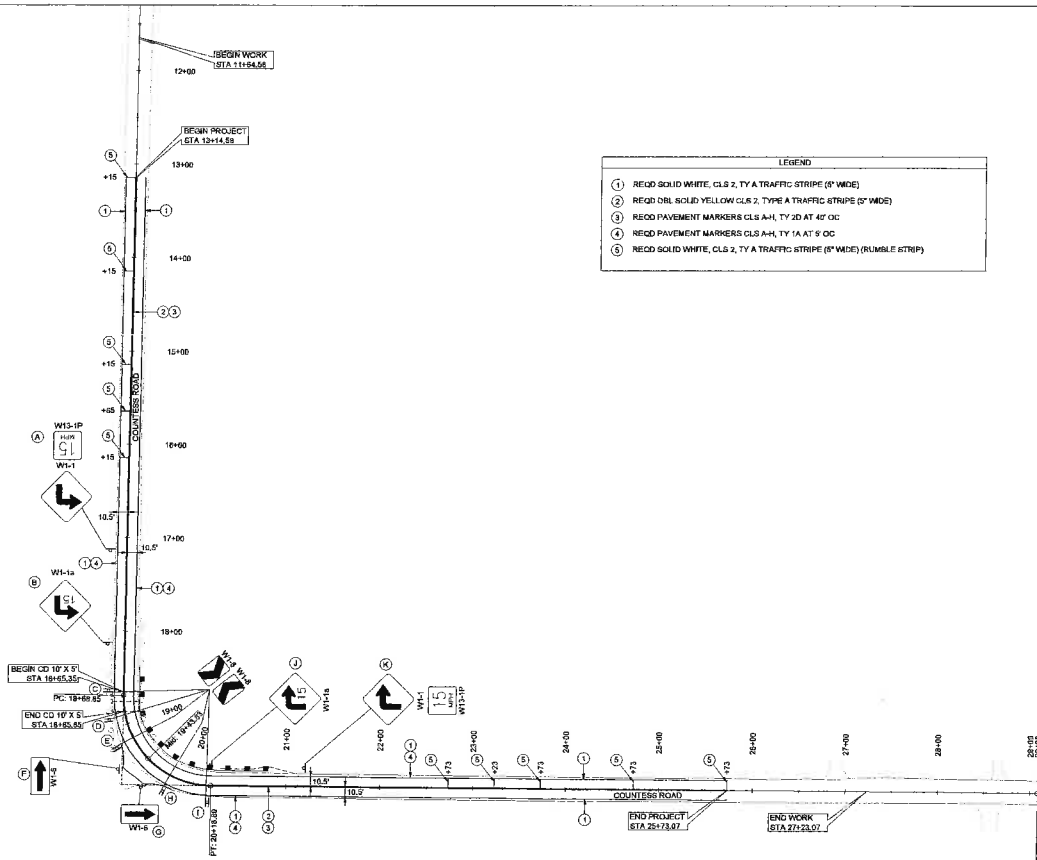
# STRIPING AND SIGNING SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
WRR-4523(251)	2023	5

PROJECT NOTES  
403



LEGEND	
①	REQD SOLID WHITE, CLS 2, TY A TRAFFIC STRIPE (8" WIDE)
②	REQD DBL SOLID YELLOW CLS 2, TYPE A TRAFFIC STRIPE (2" WIDE)
③	REQD PAVEMENT MARKERS CLS A-H, TY 20 AT 4' OC
④	REQD PAVEMENT MARKERS CLS A-H, TY 1A AT 9' OC
⑤	REQD SOLID WHITE, CLS 2, TY A TRAFFIC STRIPE (8" WIDE) (RUMBLE STRIP)



DATE: 11/15/23 BY: J. J. JONES PROJECT NO: 4523(251) SHEET NO: 5

PLAN SUBMITTAL  
02



ALABAMA DEPARTMENT  
OF TRANSPORTATION

50 HORIZ 0 50 SCALE  
(FEET)

SHEET TITLE	ROUTE
STRIPING AND SIGNING SHEET	COUNTLESS ROAD

# TRAFFIC CONTROL PLAN, QUANTITIES, AND SEQUENCE OF CONSTRUCTION

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
HRRR-4523(251)	2023	10

## SEQUENCE OF CONSTRUCTION

### PHASE I

- INSTALL APPLICABLE TEMPORARY TRAFFIC CONTROL DEVICES.

### PHASE II

- REMOVE EXISTING GUARDRAIL AND GUARDRAIL END ANCHORS.
- CONSTRUCT REQUIRED GUARDRAIL AND GUARDRAIL END ANCHORS.
- REMOVE EXISTING ASPHALT DRIVEWAY.
- CONSTRUCT REQUIRED ASPHALT DRIVEWAY.

### PHASE III

- REMOVE EXISTING STRIPING AND SIGNING.
- PLACE PERMANENT STRIPING, RUMBLE STRIPS, PAVEMENT MARKERS, AND SIGNING.
- COMPLETE ANY REMAINING ITEMS OF WORK.

### PHASE IV

- REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

### NOTE:

ANY ITEM OF WORK MAY BE PERFORMED CONCURRENTLY WITH THE APPROVAL OF THE ENGINEER AS LONG AS IT DOES NOT CONFLICT WITH ANOTHER SEQUENCED ITEM.

REQUIRED CONSTRUCTION SIGNS (7408-000)						
SIGN	DESCRIPTION	QUANTITY	SIZE	SQ FT	MOUNT TYPE	SPECIAL AND STANDARD HIGHWAY DRAWINGS
RA-1	REBUILD ALABAMA	2	56" X 30"	27.5	PERM	IHS-710-12, IHS-710-21, IHS-710-23, SHS-10
R16-3	BEGIN HIGHER FINES	2	48" X 60"	40	PERM	IHS-710-12, IHS-710-21, IHS-710-23, SHS-10
R16-3a	END HIGHER FINES	2	48" X 48"	32	PERM	IHS-710-12, IHS-710-21, IHS-710-23, SHS-10
W20-1	ROAD WORK AHEAD	1	48" X 48"	16	PERM	IHS-710-12, IHS-710-21, IHS-710-23, SHS-20
W20-1	ROAD WORK 1500 FT	2	48" X 48"	32	TEMP	IHS-710-12, IHS-710-21, IHS-710-23, SHS-20
W20-4	ONE LANE ROAD 1500 FT	2	48" X 48"	32	TEMP	IHS-710-12, IHS-710-21, IHS-710-23, SHS-20
W20-7	FLAGGER	2	48" X 48"	32	TEMP	IHS-710-12, IHS-710-21, IHS-710-23, SHS-20
		<b>TOTAL</b>		<b>212</b>		

REQUIRED TRAFFIC CONTROL ITEMS				
ITEM NO	DESCRIPTION	TOTAL	UNIT	SPECIAL AND STANDARD HIGHWAY DRAWINGS
7408-000	CONSTRUCTION SIGNS	212	SQ FT	IHS-710-12, IHS-710-21, IHS-710-23, SHS-1, SHS-10, SHS-26, SHS-29, SHS-31
740E-000	CONES (36 INCHES HIGH)	50	EA	TCD-100
740M-001	BALLAST FOR CONE	50	EA	TCD-100

TCP PROJECT NOTES:  
SEE SHEET 2B FOR APPLICABLE TCP NOTES.

HAZARD 11/14/23 - BUREAU 11/14/23 - SECTION FILE REVISION 11/14/23

PLAN SUBMITTAL  
00



ALABAMA DEPARTMENT  
OF TRANSPORTATION

NOT TO SCALE

SHEET TITLE:	ROUTE
TRAFFIC CONTROL PLAN, QUANTITIES, AND SEQUENCE OF CONSTRUCTION	COUNTLESS ROAD

PROJECT NO.	FISCAL YEAR	SHEET NO.
HRRR-4523(251)	2023	13

END ROAD WORK  
G20-2  
(PLACE 500 FT. PAST THE WORK LIMITS OR SEE TCP NOTE NO. 30)

ROAD WORK NEXT XX MILES  
G20-1  
(PLACE IN ADVANCE OF THE WORK LIMITS OR SEE TCP NOTE NO. 30)

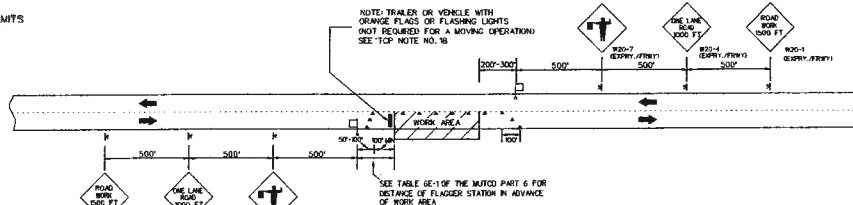
ROAD WORK 500 FT  
W20-1 (EXPRT./FRONT)

END HIGHER FINES  
R16-3a

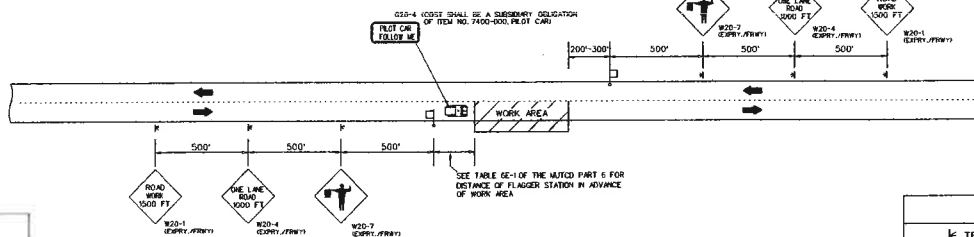
(PLACE WITHIN 500 FT. OF THE WORK LIMITS OR SEE TCP NOTE NO. 30)

HIGHER FINE ZONE  
R16-3b  
SEE TCP NOTE NO. 30

NOTE: TRAILER OR VEHICLE WITH ORANGE FLASERS OR FLASHING LIGHTS (NOT REQUIRED FOR A MOVING OPERATION) SEE TCP NOTE NO. 18

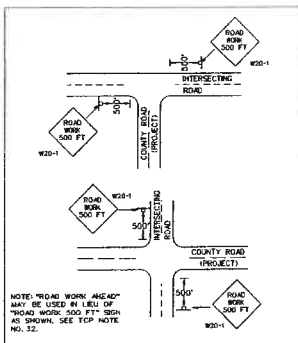


### TWO LANE HIGHWAY - ONE LANE CLOSED FOR USE WITH CONES

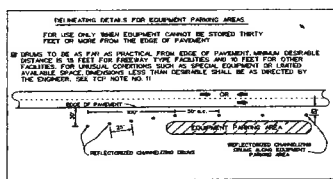


### TWO LANE HIGHWAY - ONE LANE CLOSED FOR USE WITH PILOT CAR

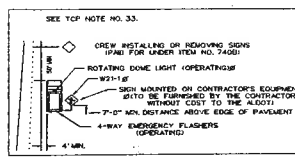
LEGEND	
⬅	TEMPORARY MOUNTED SIGN
⬆	POST MOUNTED SIGN
▲	CONES
□	FLAGGER



DETAIL FOR PLACEMENT OF W20-1 SIGN AT INTERSECTING ROADS



DELINEATING DETAILS FOR EQUIPMENT PARKING AREAS



T.C.P. FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS

REVISIONS	
DESIGN - 01/05/07	REVISED SIGNS BASED ON
REVISED NOTE - ADDED	SIGN REVISIONS IN THE 2013
PLAN PROVISIONS FOR	SPEC/STD DRAWING BOOK
W20-1 SIGN - 01/30/07	10/30/12
DELETED DETAILS FOR	CHANGED BUREAU NAME
W20-1 SIGN - 11/27/07	IN TITLE BLOCK - 10/5/17
REVISED NOTE NUMBER	REVISED LANE CLOSURE
REFERENCES - 05/16/09	DIMENSIONS 12/15/19
ADDED LEGEND - 07/16/09	ADDED R16-3 AND R16-3a
ADDED PILOT CAR DETAIL	06/01/20
04/05/20	ADDED REFERENCE TO TCP
	NOTE 30 4/15/21
	ADDED R16-3b SIGN 11/15/21

ALABAMA DEPARTMENT  
OF TRANSPORTATION  
LOCAL TRANSPORTATION  
BUREAU  
TRAFFIC CONTROL PLAN  
DETAILS FOR LANE CLOSURE  
TWO LANE HIGHWAY  
PILOT CAR AND/OR CONE APPLICATION  
NOT TO SCALE