

MARSHALL COUNTY COMMISSION

CHAIRMAN
JAMES HUTCHESON

COUNTY ADMINISTRATOR
ASHLEIGH BUBBETT

COUNTY ENGINEER
MICHAEL D. KNOP



DISTRICT 1
RONNY SHUMATE

DISTRICT 2
JAMES R. WATSON

DISTRICT 3
LEE SIMS

DISTRICT 4
JOEY BAKER

MEMORANDUM

Date: June 4, 2025

To: All Bidders

From: Michael D. Knop
Marshall County Engineer

Subject: Submittal of Bid and/or Performance Bonds for the Enclosed Specifications

In order to fulfill the requirements for the submittal of bid and/or performance bonds in the enclosed specifications, any of the following will suffice:

- Standard Bonds from a Surety Company
- Bank's Official Check
- Bank's Cashier's Check

Please be advised that cash, personal checks, company checks, and letters stating your company's line of credit from a bank are not acceptable.

The intent of bid and performance bonds is to assure that Marshall County is provided with a firm commitment that assures us of all liquidated damages in an amount to protect the County.

Should you have any questions concerning this or any of the bid specifications, please do not hesitate to contact our office.

Return Bid To:
MARSHALL COUNTY ENGINEERING
424 BLOUNT AVENUE SUITE 305
GUNTERSVILLE, AL 35976
(256) 571-7712

BID NO: 51- 24

BID OPENING DATE & TIME: TUESDAY,
JULY 15, 2025 - 2:00 P.M.

LOCATION: ROOM A319 - COMMISSION
CHAMBERS - 3RD FLOOR - MARSHALL
COUNTY COURTHOUSE - GUNTERSVILLE, AL

INVITATION FOR BIDS FOR
BRIDGE REPLACEMENT ON THOMAS LANE (NKA DUNCAN FARM ROAD) OVER
PARKELL CREEK
(MCP 48-104-24)

VENDOR'S RESPONSE:

VENDOR'S NAME: _____

VENDOR'S ADDRESS: _____

TELEPHONE NO. _____ **FAX NO:** _____

EMAIL: _____

CONTRACTOR LICENSE NO. _____

BID PRICE

1. Base _____ ***(page 3)***

VENDOR'S RESPONSE:

I hereby agree to furnish the above-named items on or by the dates requested and hereby
certify that all specifications set above will be met.

Authorized Representative

Typed or Written Name

SCOPE OF WORK

The scope of work will include all necessary labor, materials, equipment, and incidentals, complete in-place, to perform the following:

Structure No. 3
BIN 021864

Base Bid:

1. Remove and replace the existing concrete bridge to include containment and disposal of debris.
2. Construct new concrete bridge as shown by attached plan set.
3. Marshall County Forces to perform approach roadway work.

ESTIMATED QUANTITIES

The estimated Base Bid quantities are as shown on pages 2 and 3. The contractor needs to fill in the required unit rates and total as required. The final quantities may vary. The unit rates shall govern.

Base Bid Items

<u>Item No.</u>	<u>ALDOT Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
1.	201A-002	CLEARING AND GRUBBING (Max Allowable Bid is \$8,000.00 Per Acre) (Approximately 0.5 Acres)	1	LUMP SUM		
2.	206A-000	REMOVAL OF OLD BRIDGE, STATION 4+86	1	LUMP SUM		
3.	210A-000	UNCLASSIFIED EXCAVATION	140	CUBIC YARD		
4.	502A-000	STEEL REINFORCEMENT	2720	POUNDS		
5.	505G-003	PILE POINTS (TYPE A, 12")	12	EACH		
6.	505M-002	STEEL PILING FURNISHED AND DRIVEN (HP 12X53)	180	LINEAR FOOT		
7.	508A-000	STRUCTURAL STEEL	272	POUNDS		
8.	510A-007	BRIDGE SUBSTRUCTURE CONCRETE	14	CUBIC YARDS		

<u>Item No.</u>	<u>ALDOT Item No.</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
9.	511A-000	ELASTOMERIC BEARING TYPE 1	16	EACH		
10.	512C-019	PRECAST CONCRETE TYPE 1 SPAN SECTION, 3'-6" WIDE X 2'-0" DEEP X 40'-0" LONG	5	EACH		
11.	512C-027	PRECAST CONCRETE TYPE 2C SPAN SECTION, 3'-6" WIDE X 2'-0" DEEP X 40'-0" LONG	2	EACH		
12.	512D-031	PRECAST CONCRETE BARRIER RAIL END SECTION, 39'-11 ³ / ₈ " LONG (MODIFIED)	2	EACH		
13.	600A-000	MOBILIZATION	1	LUMP SUM		
14.	610C-001	LOOSE RIP RAP, CLASS 2	405	TON		
15.	610D-003	FILTER BLANKET, GEOTEXTILE	300	SQUARE YARD		
16.	630C-003	GUARDRAIL END ANCHOR, TYPE 13	4	EACH		
17.	630C-080	GUARDRAIL END ANCHOR, TYPE 2 SERIES (MASH)	4	EACH		
18.	665F-000	HAY BALES	200	EACH		
19.	665J-002	SILT FENCE	100	LINEAR FOOT		
20.	680A-001	GEOMETRIC CONTROLS	1	LUMP SUM		
21.	698A-000	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO \$10,000.00)	1	LUMP SUM		
22.	740B-000	CONSTRUCTION SIGNS	121	SQUARE FOOT		
23.	740F-002	BARRICADES, TYPE III	8	EACH		
		TOTAL				\$

SPECIAL INSTRUCTIONS TO BIDDERS:

- 1) The contractor shall fill in all required blanks on the bid pricing form included herein.
- 2) A bid bond in the amount of 5% of the total bid cost shall be included with each bid submitted, but not to exceed \$10,000.
- 3) A performance and payment bond each in the amount of 100% of the total bid price will be required within fifteen (15) days of the notice of award.
- 4) Contractor shall submit with bid a copy of a certificate of insurance (\$1.0 million minimum) and workmen's compensation.
- 5) The successful bidder shall begin work at least 15 calendar days after the date of the notice to proceed but in no event shall the work begin prior to October 15, 2025, and it must be completed by March 31, 2026. The only exception to this will be if the activities that would disturb the habitat of an endangered bat species cannot be performed in the above-referenced time frame then the contractor must perform a current species survey in accordance with the current USFWS range-wide Indiana Bat survey guidelines and acceptable work approved by the local transportation bureau.
- 6) Work is to be completed within 75 calendar days after date of notice to proceed. It is the bidder's responsibility to familiarize himself with and shall comply with all requirements and specifications as stated in the Alabama Department of Transportation - Standard Specifications for Highway Construction - 2022 Edition. The definition for "State" as listed in the before mentioned manual, in Section 101.01, shall be changed to read as follows: "*Marshall County, a political subdivision of the State of Alabama, the party of the first part to the contract acting by and through the Marshall County Engineer*".
- 7) The Contractor shall include in his/her bid price the cost for all materials, labor, equipment, and incidentals necessary for the work to be completed in-place.
- 8) Payment will be made on a monthly basis for work completed. There will be retained five (5) percent of the amount of the work done and will be held until completion of all work and final acceptance by the Marshall County Commission. No further retainage will be held after 50 percent of work completed. Upon completion of all work the contractor must give notice of completion of the project by advertising in a local newspaper. Advertisement of completion must run for a period of four (4) consecutive weeks and provide the County with proof of advertising (affidavit) from the paper. Upon completion and acceptance of all work, final payment will be made.
- 9) The Contractor shall indemnify and save harmless Marshall County, Marshall County Commission, the officers and employees from all suits, actions, or claims of any character brought because of any injuries or damages received by any person, persons, or property on account of the said Contractor, or through use of unacceptable materials in constructing the work; or because of any claims or amounts arising or recovered under the "Workman's Compensation Act" or any other law, ordinance,

order or decree.

- 10) It shall be the bidder's responsibility to possess all proper City, County, State, and Federal licenses and shall familiarize himself with and shall comply with all Federal, State, and local laws, ordinances, and regulations.
- 11) By signing this contract the contracting parties affirm, for the duration of the 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 the agreement and shall be responsible for all damages resulting therefrom.

Each bidder is required to submit with the bid a certificate of E-Verify.

- 12) Bids may be submitted either by mail or in person, however, Marshall County will not be responsible for the security of mailed bids. (Also, if mailing bid, please be advised that we do not receive mail before 10:00 A.M. daily, therefore mail early to ensure prompt arrival).
- 13) By signing and submitting of this bid, the vendor certifies that he/she is an equal opportunity employer.
- 14) Bidders are required to use this "Invitation for Bids". Bidders shall bid all items, sign, and return all sheets in the "Invitation for Bids" to ***Marshall County Engineering, 424 Blount Ave., Suite 305, Guntersville, AL 35976.*** Failure to do so will be cause for rejection of bid.
- 15) Each individual bid must be submitted in a sealed envelope with the word "BID" and name of item marked on outside of envelope, along with the contractor's license number. Bids need to be mailed to **Marshall County Engineering Dept., 424 Blount Ave., Suite 305, Guntersville, AL 35976.**

You are invited to bid on the above specifications. Any substitutes offered, other than the items specified, must include information showing that the substitute is of equal or better quality and equally or better suited for the purported use than the item specified. The right to reject any items or materials not of quality or under any provisions of this act is reserved.

THE MARSHALL COUNTY COMMISSION RESERVES THE RIGHT TO ACCEPT AND/OR REJECT ANY AND/OR ALL BIDS.


JOEY BAKER, INTERIM CHAIRMAN
MARSHALL COUNTY COMMISSION

Attachments

- **Location Map**
- **Photos of existing structure**
- **Half size plan set**

Marshall County - MCP 48-104-24

GREAT
EXPECTATIONS...

Woodville

Aspel

Kelly Chapel Cemetery

Kennamer

Bridge Replacement over Parkell
Creek on Duncan Farm Road

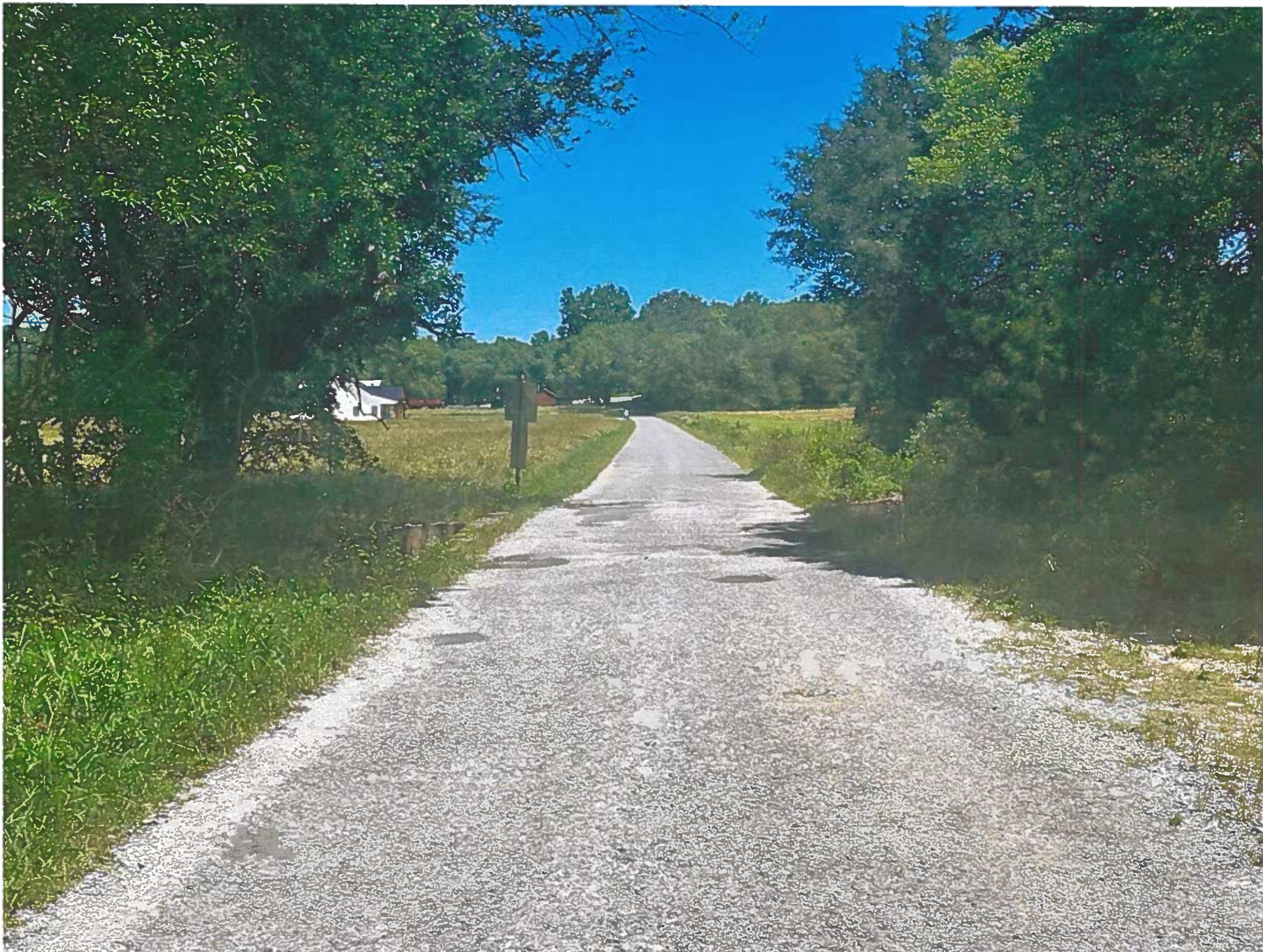
Cathedral
Caverns
State Park

The Calico Cove

Old Center Missionary
Baptist Church

Grand Oak Retreat

Google





Google Maps

1113 Thomas Ln

Woodville, Alabama

Google Street View

Dec 2023 [See more dates](#)



Image capture: Dec 2023 © 2025 Google

Google Maps

1113 Thomas Ln

Woodville, Alabama

Google Street View

Dec 2023 [See more dates](#)



Image capture: Dec 2023 © 2025 Google

MARSHALL COUNTY COMMISSION
PLANS OF PROPOSED PROJECT
No. MCP-48-104-24
MARSHALL COUNTY

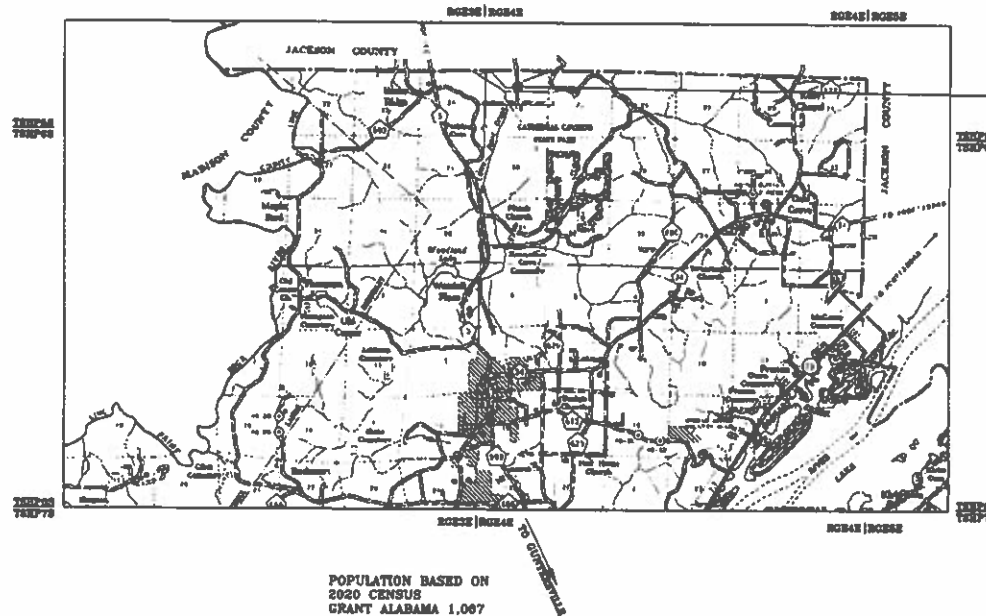
DESIGN DESIGNATION	
ADT (2034)	111
ADT (2034)	136
ADT (2044)	165
K	
B	
TDIV 1.0%	
TADT	
V (DESIGN SPEED)	20 MPH
MIN. STOPPING SIGHT DISTANCE (FT.)	116

Project Location

LOCATION MAP
N.T.L.

2008-09
2009-10

REQUIRED BRIDGE:
40' PRECAST
BEGIN BRIDGE STA 4+80
END BRIDGE STA 5+20
BIN 021B84
TOTAL EFFECT = 40.00'



	FEET	MILES
TOTAL STATIONING OF PROJECT	40.00	
EQUATIONS AND EXCEPTIONS	0.00	
NET LENGTH OF PROJECT	40.00	0.007
NET LENGTH OF BRIDGES	40.00	0.007
NET LENGTH OF ROADWAYS	0.00	0.000

NOTE: THE BIDDER'S ATTENTION IS DIRECTED TO SUBARTICLE 102.06(b), CONTAINED IN THE 2022 STANDARD SPECIFICATIONS CONCERNING COMBINATION BIDS (COUNTY FINANCED PROJECTS).

SUBMITTED FOR APPROVAL
Michael D. Knop
COUNTY ENGINEER

INDEX TO SHEETS & SPECIAL OR STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	1A

PROJECT No. MCP-48-104-24 MARSHALL COUNTY

SHEET NO.	DESCRIPTION
1	TITLE SHEET
1A	INDEX TO SHEETS & SPECIAL OR STANDARD DRAWINGS
1B	SPECIAL OR STANDARD DRAWINGS
2	TYPICAL SECTION
2A	PROJECT NOTES SHEET
3	SUMMARY OF QUANTITIES
3A	BOX SUMMARY OF QUANTITIES
4	OMIT
5	OMIT
6	OMIT
7	OMIT
8	TRAFFIC CONTROL PLAN (ROAD CLOSED)
9-19	BRIDGE SHEETS

THE FOLLOWING IS A LIST OF SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK
(U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2025 WHICH APPLIES TO THIS PROJECT:

INDEX NO.	SPEC. DWG. NO.	DESCRIPTION
61001	RR-610	DETAILS OF RIPRAP TO BE USED AT BRIDGE ENDS
63001	GA-630-S (SHEET 1 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS (DELINEATORS / REFLECTORS FOR GUARDRAIL OR CONCRETE BARRIER RAIL)
63003	GA-630-S (SHEET 3 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS
63036	GA-630-13 (SHEET 1 OF 1)	DETAILS OF GUARDRAIL END ANCHOR TYPE 13 SERIES FOR USE WITH PRECAST BRIDGES ONLY
63050	GA-630-20 (SHEET 1 OF 3)	DETAILS OF GUARDRAIL END ANCHOR TYPE 20 SERIES (MASH) (TL-3) (SOFTSTOP)
63051	GA-630-20 (SHEET 2 OF 3)	DETAILS OF GUARDRAIL END ANCHOR TYPE 20 SERIES (MASH) (TL-3) (MSKT)
63052	GA-630-20 (SHEET 3 OF 3)	DETAILS OF GUARDRAIL END ANCHOR TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION
66501	ESC-100-1	BEST MANAGEMENT PRACTICES REFERENCE MATRIX
66502	ESC-100-2	BEST MANAGEMENT PRACTICES REFERENCE MATRIX
66505	ESC-200-1	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER
66512	ESC-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECK
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66516	ESC-300-5	DETAILS OF SILT DIKE DITCH CHECKS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SLUMP EXCAVATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES

SHEET TITLE	ROUTE
INDEX TO SHEETS & STANDARD DRAWINGS	DUNCAN FARM RD

SPECIAL OR STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	1B

PROJECT No. MCP-48-104-24
MARSHALL COUNTY

THE FOLLOWING IS A LIST OF SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL &
STANDARD HIGHWAY DRAWINGS BOOK
(U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2025 WHICH APPLIES TO THIS PROJECT:

INDEX NO.	SPEC. DWG. NO.	DESCRIPTION
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
66525	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501	FLOATING BASIN BOOM
66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
66538	ESC-504	TEMPORARY CULVERT STREAM DIVERSION
66541	ESC-505	TEMPORARY STREAM CONVERSION
66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
67201	ESC-508	FLOCCULANT USAGE GUIDE
68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLY
71067	SHS-8	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS
71095	SHS-31	STANDARD HIGHWAY SIGNS



ALABAMA DEPARTMENT
OF TRANSPORTATION

NOT TO SCALE

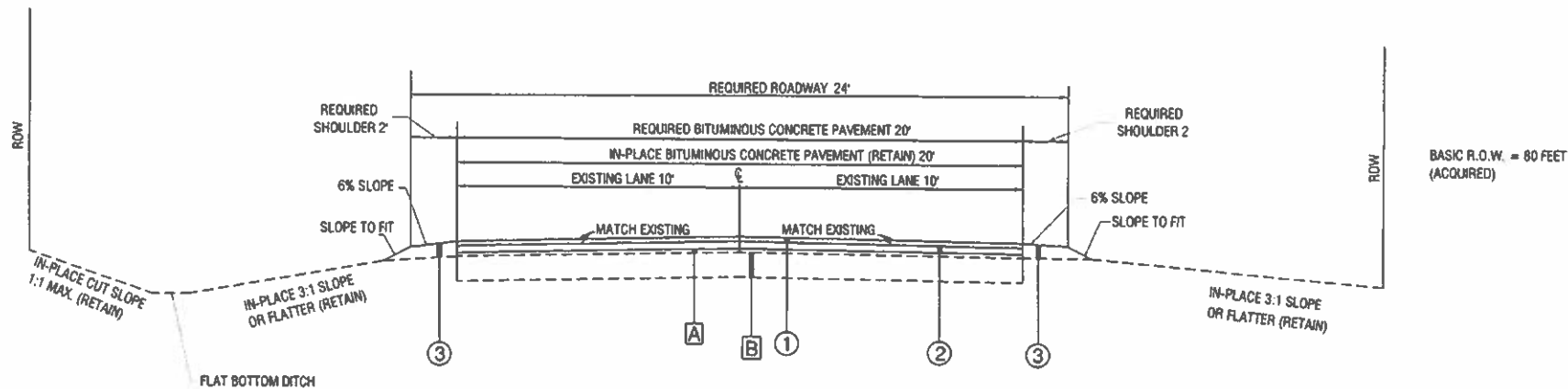
SHEET TITLE
INDEX TO SHEETS
& STANDARD DRAWINGS

ROUTE
DUNCAN FARM RD

TYPICAL SECTION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	2

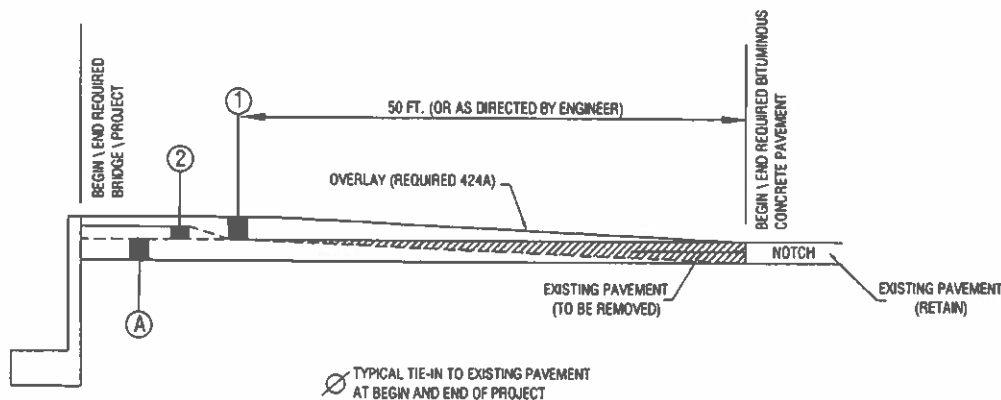
PROJECT No. MCP-48-104-24 MARSHALL COUNTY (FOR INFORMATIONAL PURPOSES ONLY)



BASIC R.O.W. = 80 FEET
(ACQUIRED)

PROJECT NOTES:
200, 201

TYPICAL SECTION
FROM STA. 0+00 TO STA. 4+80
FROM STA 5+20 TO STA 10+00



LEGEND DESCRIPTION

- ① REQUIRED ITEM NO. 424A-340, SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, AT THE APPROXIMATE RATE OF 150 LBS/SY.
- ② REQUIRED ITEM NO. 424B-643, SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, AT THE APPROXIMATE RATE OF 200 LBS/SY.
- ③ REQUIRED ITEM NO. 430B-043 AGGREGATE SURFACING(1" DOWN, CRUSHER RUN) (APPROXIMATELY 3.4")
- [A] IN-PLACE 20' WIDTH, "KG" TREATMENT (RETAIN)
- [B] IN-PLACE FULL WIDTH, 8 INCH SOIL-AGGREGATE BASE COURSE (RETAIN)

NOT TO SCALE

SHEET TITLE	ROUTE
TYPICAL SECTION	DUNCAN FARM RD

PROJECT NOTES SHEET

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP-48-104-24	2025	2A

PROJECT No. MCP-48-104-24
MARSHALL COUNTYGN-2 NOTES

- 148 IF SUBSURFACE MATERIAL INFORMATION AND/OR SHRINK AND SWELL VALUES ARE SHOWN IN THIS PLAN ASSEMBLY, THEY REFLECT MARSHALL COUNTY'S INTERPRETATION OF THE BORING INFORMATION INCLUDED IN THE PLAN ASSEMBLY. THIS DATA, ALONG WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF THE ACTUAL CONDITIONS. IT IS SHOWN AS INFORMATION ONLY, IT IS NOT GUARANTEED AND IS NOT REPRESENTED AS BEING COMPLETE. IT IS UNDERSTOOD THAT SUCH INFORMATION WAS OBTAINED AND IS INTENDED FOR DESIGN AND ESTIMATING PURPOSES ONLY.

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE BIDDER TO MAKE HIS/HER OWN INTERPRETATION OF ALL SUBSURFACE DATA THAT MAY BE AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED, GRADED OR DRIVEN THROUGH. THE BIDDER SHOULD OBTAIN ANY ADDITIONAL INFORMATION AND PERFORM FIELD INVESTIGATIONS WHICH IN HIS/HER JUDGEMENT ARE NEEDED TO PRESENT A MORE COMPLETE REPRESENTATION OF THE SUBSURFACE CONDITIONS UPON WHICH TO BASE HIS/HER BID.

MARSHALL COUNTY WILL NOT ENTERTAIN ANY CLAIM BASED ON A DIFFERENCE IN ACTUAL SUBSURFACE MATERIALS ENCOUNTERED.

TYPICAL SECTION NOTES

- 200 THE TYPICAL SECTION IS FOR INFORMATION PURPOSES ONLY. ALL APPROACH ROADWAY WORK IS TO BE PERFORMED BY COUNTY FORCES AT NO COST TO THE PROJECT.
- 201 COUNTY FORCES SHALL COMPLETE THE ROADWAY APPROACHES, INCLUDING SHOULDER WIDENING FOR THE REQUIRED GUARDRAIL INSTALLATION. NO GUARDRAIL ITEM SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THIS WORK BY COUNTY FORCES. CONTRACT TIME CHARGES SHALL BE SUSPENDED FOR A PERIOD NOT TO EXCEED 30 CALENDAR DAYS IN ORDER TO ALLOW THE COUNTY FORCES TO COMPLETE THIS WORK. AT THE BEGINNING OF THE APPROACH CONSTRUCTION, THE COUNTY WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE AND REMOVAL OF ALL SEDIMENT AND EROSION AND TRAFFIC CONTROL ITEMS.

SUMMARY OF QUANTITIES NOTES

- 300 OFFSET END TERMINAL TWO (2) FEET.
- 301 PAY ITEM 512D-031 SHALL BE MODIFIED SO AS TO ACCEPT A TYPE 13 END ANCHOR ON EACH END.
- 302 THE COUNTY WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL ITEMS AFTER THE CONTRACTOR COMPLETES ALL REQUIRED ITEMS OF WORK. EROSION AND SEDIMENT CONTROL ITEMS SHALL BE MAINTAINED UNTIL SUSTAINED VEGETATIVE GROWTH HAS BEEN ESTABLISHED.

TCP NOTES

- 700 TRAFFIC CONTROL DEVICES AS SHOWN ON TRAFFIC CONTROL PLAN ARE TO REMAIN IN-PLACE AFTER THE BRIDGE IS COMPLETED AND SHALL BE MAINTAINED BY AND BECOME THE PROPERTY OF MARSHALL COUNTY.
- 701 THE COUNTY WILL PROVIDE AND MAINTAIN A DETOUR OUTSIDE OF THE PROJECT LIMITS AT NO COST TO THE PROJECT.

UTILITY NOTES

- 800 THE COUNTY DOES NOT WARRANT THE ACCURACY OF LOCATIONS OF THE UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY OWNERS TO VERIFY EXACT LOCATIONS. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGES DUE TO HIS FAILURE TO PROPERLY LOCATE UTILITIES AND SHALL REPAIR ANY DAMAGES TO THE SATISFACTION OF THE UTILITY OWNERS AT THE CONTRACTORS EXPENSE.
- 801 UTILITY OWNERS ON THIS ROAD ARE
1. NORTH MARSHALL UTILITIES
4141 CATHEDRAL CAVERNS HWY.
GRANT, AL 35747
(256) 728-4116
- 802 OMIT

MISCELLANEOUS NOTES

- 900 NPOES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.
- 901 OMIT
- 902 OMIT
- 903 OMIT
- 904 OMIT
- 905 OMIT
- 906 OMIT
- 907 BRIDGES, BRIDGE CULVERTS, AND TREES GREATER THAN 3 INCHES IN DIAMETER WITHIN THE PROJECT AREA MAY PROVIDE HABITAT FOR THREATENED BAT SPECIES. ACTIVITIES THAT MAY DISTURB THIS HABITAT MUST BE PERFORMED BETWEEN OCTOBER 15 AND MARCH 31. IF SUCH ACTIVITIES CANNOT BE PERFORMED IN SAID TIME FRAME, THE CONTRACTOR MUST PROVIDE A CURRENT SPECIES SURVEY IN ACCORDANCE WITH THE CURRENT USFWS RANGE-WIDE INDIANA BAT SURVEY GUIDELINES AND ACCEPTABLE WORK APPROVED BY THE LOCAL TRANSPORTATION BUREAU. ANY COST ASSOCIATED WITH THE SURVEY, PLAN DEVELOPMENT, OR ALTERATIONS TO WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY. PLEASE CONTACT THE MARSHALL COUNTY ENGINEER'S OFFICE AT 256-571-7712 FOR MORE INFORMATION.

NOT TO SCALE

SHEET TITLE
PROJECT NOTES
SHEETROUTE
DUNCAN FARM RD

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	3

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	3

[illegible]

BOX SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	3A

PROJECT No. MCP-48-104-24
MARSHALL COUNTY

REQUIRED STEEL BEAM GUARDRAIL AND END ANCHORS					
STATION TO STATION	630C-003 GUARDRAIL END ANCHOR, TYPE 13 (EACH)		630C-080 GUARDRAIL END ANCHOR, TYPE 20 (MASH) (EACH)		DRAWINGS
	LEFT	RIGHT	LEFT	RIGHT	
3+99 to 4+50			1	1	GA-630-13 GA-630-20 (3 SHEETS)
5+55 to 6+06			1	1	
4+50 to 4+77	1	1			
5+23 to 5+50	1	1			
SUB TOTALS	2	2	2	2	
TOTALS	4		4		

REQUIRED RIPRAP AND FILTER BLANKET (GEOTEXTILE)					
STATION TO STATION	610C-001 LOOSE RIP RAP CLASS 2 TON		610D-003 FILTER BLANKET, GEOTEXTILE SQUARE YARD		DRAWINGS
	LEFT	RIGHT	LEFT	RIGHT	
4+61 to 4+81	53	53	45	45	RR-610
4+81 to 4+89	36	36	30	30	
5+11 to 5+22	36	36	30	30	
5+22 to 5+42	53	53	45	45	
SUB TOTALS	178	178	150	150	
TOTALS	356		300		

REQUIRED CONSTRUCTION SIGNS						
ITEM NO. 740B-000 (SQ. FT.)						
	SIGN	NO. REQ'D	EACH SQ. FT.	TOTAL SQ. FT.	DRAWING	REMARKS
ROAD CLOSED 500 FT.	W20-3	2	16	32	SHS-29	
ROAD CLOSED 1000 FT.	W20-3	2	16	32	SHS-29	
ROAD CLOSED	R11-2	2	10	20	SHS-8	
DETOUR	M4-10L	1	6	6	SHS-31	
DETOUR	M4-10R	1	6	6	SHS-31	
BRIDGE OUT	R11-3b	2	12.5	25	SHS-8	
	TOTAL			121		

SHEET TITLE
BOX SUMMARY OF QUANTITIESROUTE
DUNCAN FARM RD

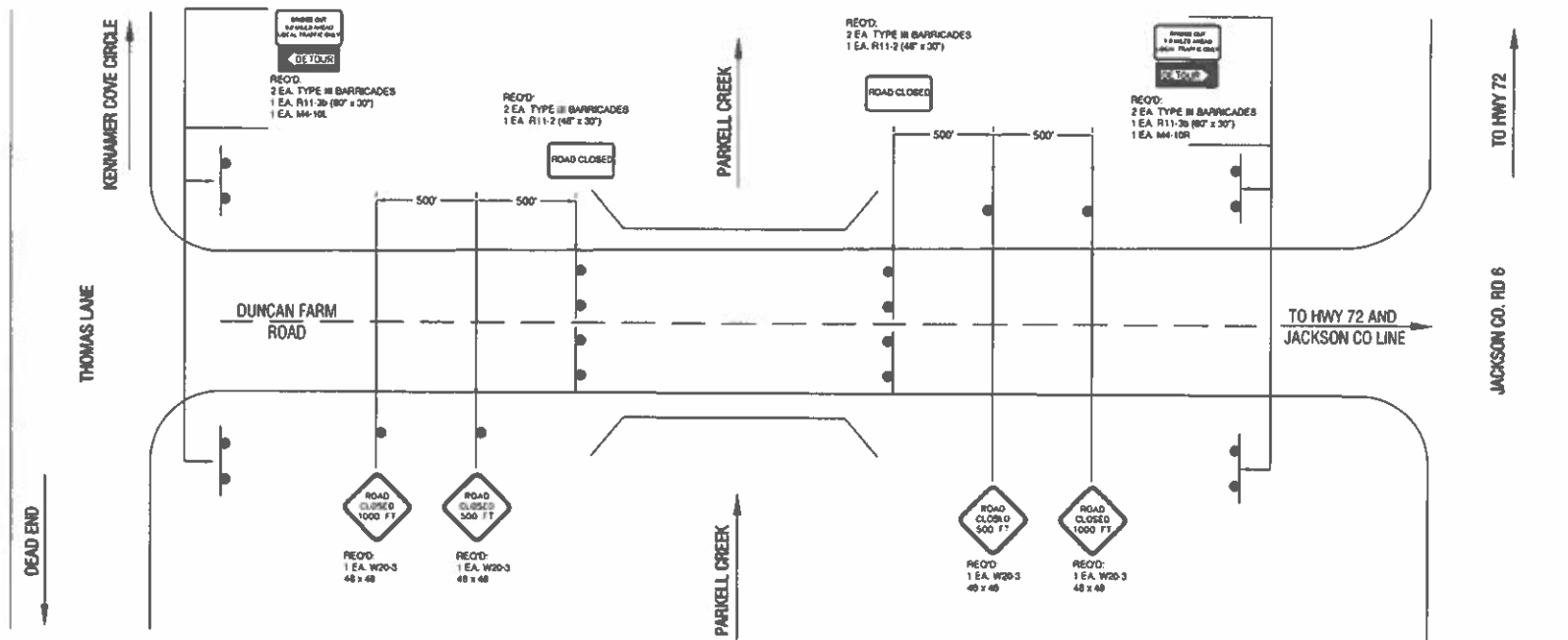
TRAFFIC CONTROL PLAN (ROAD CLOSED)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP-48-104-24	2025	8

PROJECT No. MCP-48-104-24
MARSHALL COUNTY

PROJECT NOTES
700
701

LEGEND



NOT TO SCALE

SHEET TITLE
TRAFFIC CONTROL PLAN

ROUTE
DUNCAN FARM RD

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP-48-104-24	2025	9

ESTIMATED BRIDGE QUANTITIES					
ESTIMATED QUANTITIES			UNIT	ITEM NO.	DESCRIPTION
BRIDGE	TOTAL				
1	1		LUMP SUM	206A-000	REMOVAL OF OLD BRIDGE, STATION 4+86 TO STATION 5+14
2720	2720		POUND	502A-000	STEEL REINFORCEMENT
12	12		EACH	505G-003	PILE POINTS (TYPE A, 12")
180	180		LINEAR FOOT	505M-002	STEEL PILING FURNISHED AND DRIVEN (HP 12X53)
272	272		POUND	508A-000	STRUCTURAL STEEL
14	14		CUBIC YARD	510A-007	BRIDGE SUBSTRUCTURE CONCRETE
16	16		EACH	511A-000	ELASTOMERIC BEARING TYPE 1
5	5		EACH	512C-019	PRECAST CONCRETE TYPE 1 SPAN SECTION, 3'-6" WIDE X 2'-0" DEEP X 40'-0" LONG
2	2		EACH	512C-027	PRECAST CONCRETE TYPE 2C SPAN SECTION, 3'-6" WIDE X 2'-0" DEEP X 40'-0" LONG
2	2		EACH	512D-031	PRECAST CONCRETE BARRIER RAIL END SECTION (39' - 11 3/8" LONG) (MODIFIED)

REQUIRED

1.....40'-0" PRECAST CONCRETE BRIDGE SLABS 40' SPANS (BRIDGE SPECIAL PROJECT DRAWING PC-40)

2.....REINFORCED CONCRETE ABUTMENTS WITH HP12 X 53 PILINGS (BRIDGE SPECIAL PROJECT DRAWING AB2400)

TEST BORING RECORDS (BRIDGE SHEETS 3 THRU 4)

BRIDGE GENERAL NOTES (BRIDGE SPECIAL PROJECT DRAWING SBN-1)

40 FT. PRECAST CONCRETE SOLID TYPE BARRIER RAIL (BRIDGE SPECIAL PROJECT DRAWING PCBR-1(40))

STANDARD BRIDGE NOTES (BRIDGE SPECIAL PROJECT DRAWING SBD-1)

BRIDGE GENERAL NOTES

SEE BRIDGE SPECIAL PROJECT DRAWING BGN-1

① BRIDGE GUTTER TO GUTTER WIDTH IS 24'-6", 2024

② HS20-44

③

④ IN ABUTMENTS 42 TONS

NOTES

1. ALL REINFORCING STEEL SHALL BE GRADE 60.

2. ALL SUBSTRUCTURE CONCRETE 510A-007 SHALL BE 4000 PSI.

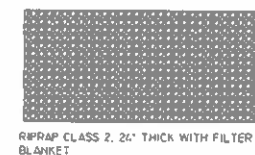
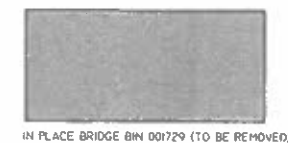
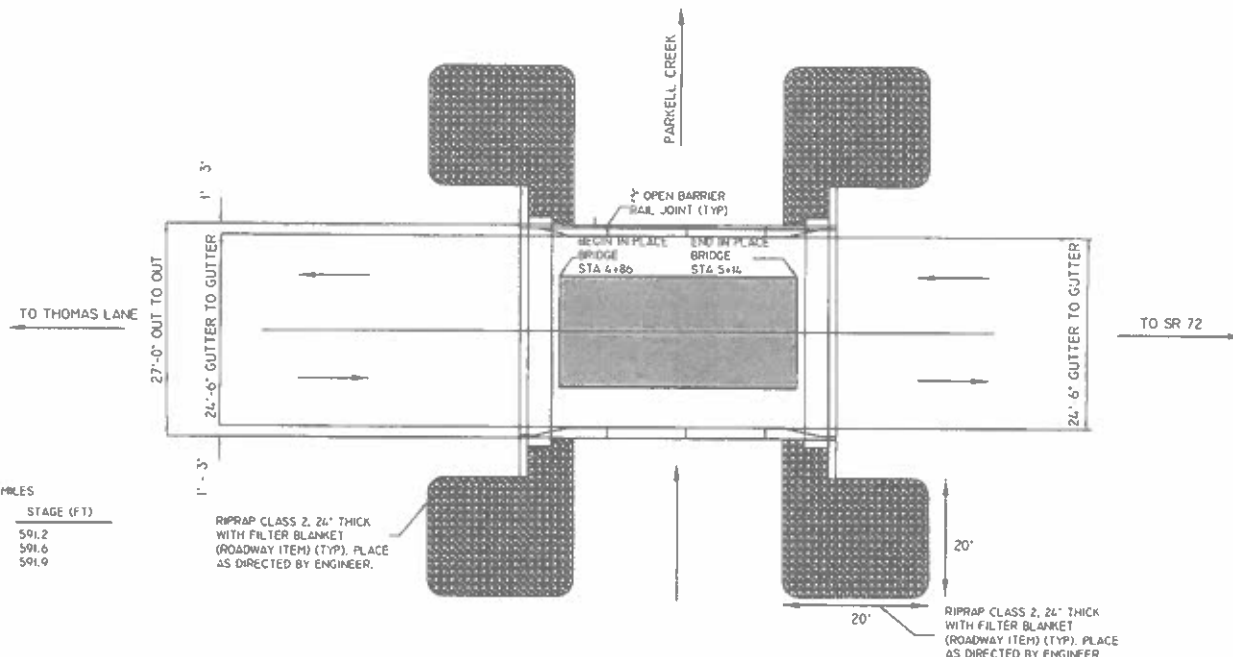
3. ACCESS TO FOUNDATION REPORT AND CORE BORINGS CAN BE ARRANGED BY CONTACTING THE MARSHALL COUNTY ENGINEER.

4. ALL CONTRACTOR SUBMITTALS REQUIRING THE REVIEW OF A GEOTECHNICAL ENGINEER SHALL BE REVIEWED BY THE MARSHALL COUNTY ENGINEER.

5. DRIVE ALL PILES TO REFUSAL. REFUSAL IS DEFINED AS 5 BLOWS PER 1".

				ACCEPTED BY	MARSHALL COUNTY	MARSHALL COUNTY 424 BLOUNT AVE. GAINESVILLE AL 35976 256-571-7712
				COUNTY (Indicate)	DATE	
REVISIONS	BRN	COUNTY(S)	BRIDGE ON DUNCAN FARM ROAD OVER PARKELL CREEK FROM STA. 4+80 TO STA 5+20	INDEX, GENERAL NOTES, AND ESTIMATED QUANTITIES		
	021864	MARSHALL		DESIGNER: DATE		
				BRIDGE SHEET NO. 1 OF 4		

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP-48-104-24	2025	10



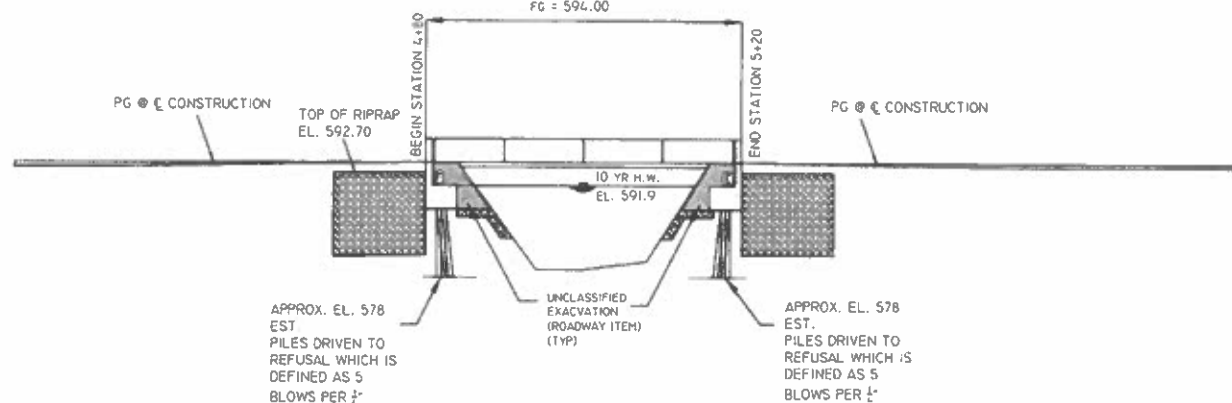
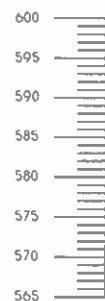
HYDRAULIC DATA
DRAINAGE AREA = 5.9 SQ. MILES

DISCHARGE (CFS)	VELOCITY (F/IS)	STAGE (FT)
Q2 = 800		591.2
Q5 = 1,440		591.6
Q10 = 1,965	17.0	591.9

OPENING PROVIDED: 336 SQ. FT.
THE OVERTOPPING FLOOD DOES
NOT EXCEED THE
ANNUAL YEAR FLOOD.
OVERTOPPING ELEVATION 594.11

F = FIXED END
E = EXPANSION END

40'-0" OVERALL LENGTH OF BRIDGE GRADE: 0% ALIGNMENT: TANGENT SKEW: 0%
PRECAST CONCRETE BRIDGE SLABS (STD. DWG. PC-40)
FG = 594.00



ACCEPTED BY	MARSHALL COUNTY	MARSHALL COUNTY 424 BLOUNT AVE. GUNTERSVILLE, AL 35976 256-571-1712
COUNTY ENGINEER	DATE	

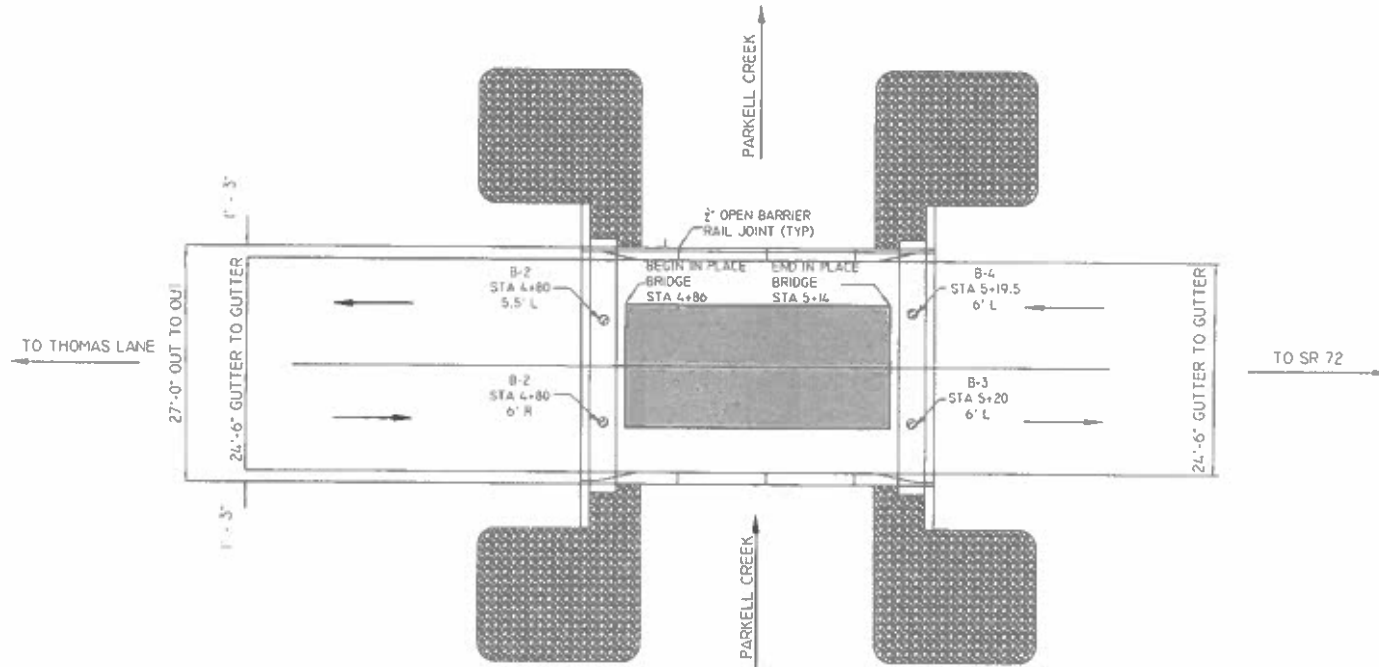
REVISIONS	BIN	COUNTY(S)	BRIDGE ON DUNCAN FARM ROAD OVER PARKELL CREEK FROM STA. 4+80 TO STA 5+20	GENERAL PLAN AND ELEVATION	DESIGNER	DATE
	021864	MARSHALL				

BRIDGE SHEET NO. 2 OF 4



BRIDGE BORING LOCATION PLAN

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP-48-104-24	2025	11



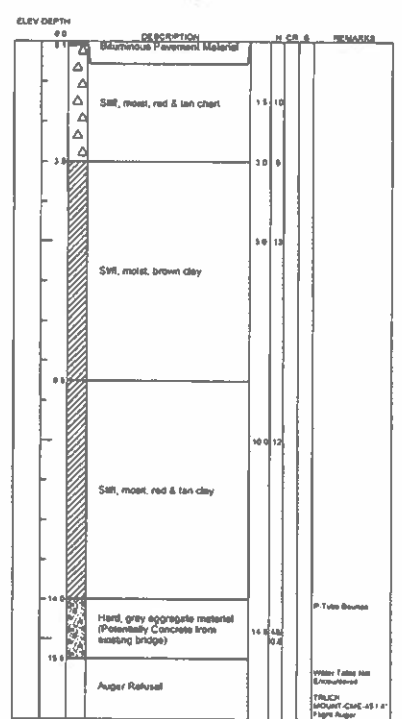
IN PLACE BRIDGE BIN 001729 (TO BE REMOVED)

RIPRAP CLASS 2, 26" THICK WITH FILTER
BLANKET

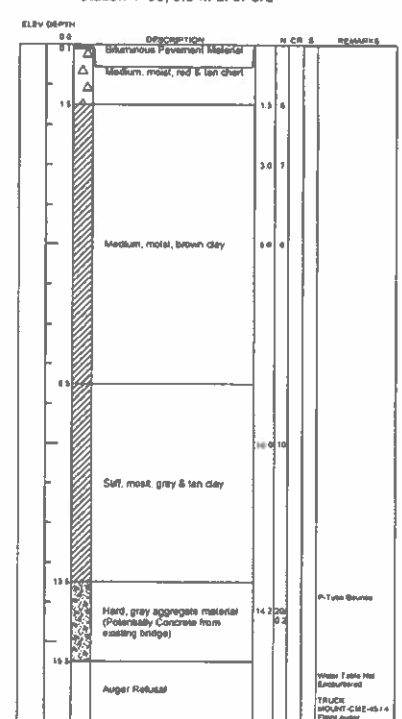
REVISIONS	BIN	COUNTY	BRIDGE ON DUNCAN FARM ROAD OVER PARKELL CREEK FROM STA. 4+80 TO STA 5+20	ACCEPTED BY COUNTY ENGINEER DATE	MARSHALL COUNTY	MARSHALL COUNTY 424 BLOUNT AVE GUNTERSVILLE, AL 35976 256-571-7712
	021864	MARSHALL				
				BRIDGE BORING LOCATION PLAN	DESIGNER: _____ DATE: _____	BRIDGE SHEET NO. 3 OF 4

REFERENCE	TYPICAL	SHEET
PROJECT NUMBER	TRAIL	NUMBER
MCP-48-104-92	1-2024	1-2

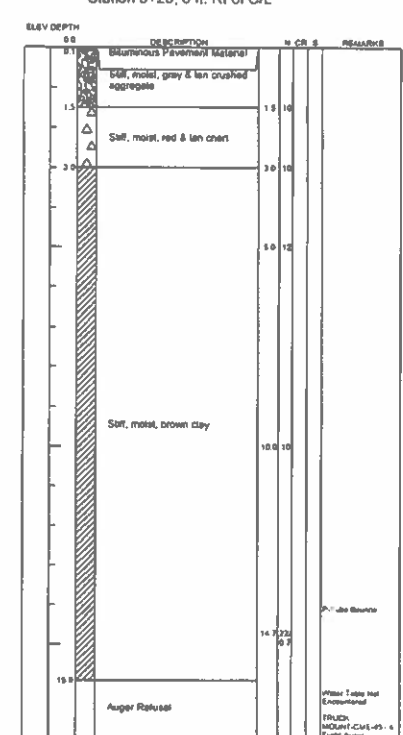
B1
Station 4+80, 6 ft. Rt of C/L



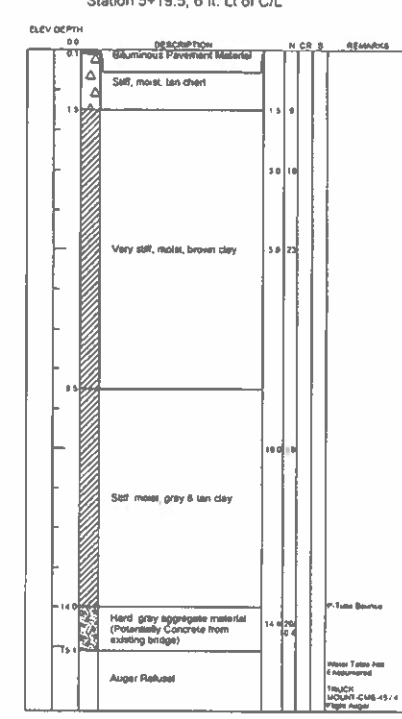
B2
Station 4+80, 5.5 ft. Lt of C/L



B3
Station 5+20, 6 ft. Rt of C/L



B4
Station 5+19.5, 6 ft. Lt of C/L



SM # IS SITE NUMBER
N - IS PENETRATION IN BLOW PER FOOT (AASHTO T 208)
ROD - IS ROCK QUALITY DESIGNATION (ASTM STP-88M)
P-TUBE - IS MECHANICAL SPLIT SPOON SAMPLER (AASHTO T 208)
S.L. - IS MECHANICAL SPLIT SPOON SAMPLER SLATING INCREMENT
CR - IS % CORE RECOVERY AQ OR AG
DESIGNATES BIT SIZE (AASHTO T 272)
S - SYMBOLS DESCRIBED BELOW
UNDISTURBED SAMPLE (AASHTO T 207)
UNRECOVERED SAMPLE
WATER TABLE @ TIME OF BORING
WATER TABLE 24 HOUR READING
LOSS OF DRILLING FLUID

NOTE:
The subsurface investigation for this project was conducted between 11/15/24 and 11/20/24 by personnel from the Gunterville Area Materials & Tests Section. See Standard Drawing No. BGN1, Note 28.

LITHOLOGY GRAPHICS

	Asphalt		Concrete
	Base Materials		
	Chert		
	USCS Low Plasticity Clay		

ALABAMA DEPARTMENT OF TRANSPORTATION			
SHEET NO. 1 OF 1		Bridge Replacement on Thomas Lane over Parkett Creek in Marshall County	
NORTH REGION-GUNTERVILLE AREA MATERIALS AND TESTS			
APPROVED	Jacob D. Moore, P.E.		
ASSISTANT OPERATIONS ENGINEER MATERIALS		PE MCP-48-92 (CPMS 100023497)	
DATE	5/13/2024	TEST BORING RECORD	

1. **CONSTRUCTION SPECIFICATIONS** CURRENT EDITION ALABAMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND APPLICABLE SPECIAL PROVISIONS
2. **DESIGN SPECIFICATION AND LOADING** THIS BRIDGE HAS BEEN DESIGNED TO CONFORM TO THE EDITION OF THE AASHTO LRFD DESIGN SPECIFICATIONS AND THE EDITION OF THE AASHTO BRIDGE BUREAU STRUCTURES DESIGN MANUAL. DESIGN LOADING AASHTO
3. **CONCRETE SURFACE FINISH** CLASS 3 SURFACE FINISH SHALL APPLY TO THIS BRIDGE SITE
4. **WASHING** ALL SPILLED CONCRETE AND SPLASHES SHALL BE WASHED OFF STRUCTURAL STEEL BY WATER HOSE IMMEDIATELY AFTER SLAB IS POURED
5. **PAVING** MAXIMUM DESIGN LOADING PER PILE IN ABUTMENTS TONS
IN BENTS TONS
6. **CLEARANCE (RAILROAD)** VERTICAL CLEARANCE SHALL BE MAINTAINED ABOVE HIGH POINT OF RAIL WITHIN THE CONFINES OF THE STRUCTURE. HORIZONTAL CLEARANCE SHALL BE MAINTAINED WITH RESPECT TO CENTERLINE OF RESPECTIVE TRACKS. SEE SPECIAL PROVISION FOR CONSTRUCTION CLEARANCE REQUIREMENTS. ETC
7. **WIDENING AND/OR RAKING BRIDGE** ALL DIMENSIONS SHOWN ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED PRIOR TO SUBMITTING SHOP DRAWINGS AND ORDERING MATERIAL THAT COULD BE AFFECTED BY THE FIELD SURVEY RESULTS
8. **CRUIT**
9. **PAINTING** PAINT SYSTEM NO. SHALL BE USED ON ALL SHOP AND FIELD PAINTING
10. **PILE ENCASEMENTS** ALL CONCRETE AND REINFORCEMENT IN PILE ENCASEMENTS SHALL BE PAID FOR AS "CU YDS. BRIDGE SUBSTRUCTURE CONCRETE AND POUNDS STEEL REINFORCEMENT" FURNISHING OF ALL NECESSARY EQUIPMENT AND CONSTRUCTION OF ALL SHEETING AND SHORING, CRIBS, COFFERDAMS, CAISSONS, DE-WATERING, ETC. WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PILE ENCASEMENTS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 5104, BRIDGE SUBSTRUCTURE CONCRETE
11. **FIELD WELDING** THE FOLLOWING FIELD WELDS MAY BE MADE BY AN ELECTRIC ARC WELDER WHO DEMONSTRATES TO THE PROJECT ENGINEER THAT HE IS A PROFICIENT WELDER: 1) PILE CAP PLATES AND PILE CAP CHANNELS TO PILES 2) FIELD SPLICES IN BRIDGE JOINT ARMOR PLATES THIS WELDER IS NOT REQUIRED TO HAVE A QUALIFICATION CARD ISSUED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION. ALL OTHER FIELD WELDS SHALL BE PERFORMED BY WELDERS WHO POSSESS CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION WELDERS QUALIFICATION CARDS
12. **RIPRAP** THE RIPRAP APRON LENGTH AS REQUIRED ON SPECIAL DRAWING NUMBER RR-610 SHALL BE FEET AT THE BEGINNING OF THE BRIDGE AND FEET AT THE END OF THE BRIDGE
13. **TRAFFIC PROTECTION** THE BRIDGE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TRAFFIC PROTECTION DURING CONSTRUCTION OF THE OVERPASS. ALL PROTECTORS SHALL BE ADEQUATELY FRAMED AND COVERED WITH 1/2" (MINIMUM) EXTERIOR GRADE PLYWOOD OR APPROVED EQUAL STRENGTH MATERIAL. THE VERTICAL CLEARANCE SHALL BE THE MAXIMUM OBTAINABLE BUT NOT LESS THAN 14' 0" UNLESS OTHERWISE SHOWN ON THE PLANS. THE EXACT VERTICAL CLEARANCE IS TO BE DETERMINED AFTER THE PROTECTORS HAVE BEEN DESIGNED. THE CONTRACTOR SHALL SUBMIT SKETCHES OF THE PROTECTION TO THE ENGINEER PRIOR TO CONSTRUCTION. ADDITIONALLY, TRAFFIC PROTECTION SHALL EXTEND 5'-0" INSIDE THE LIMITS OF REMOVAL OF EXISTING BRIDGES BEING WIDENED. SEE BRIDGE SPECIAL PROJECT DRAWING TP-1 FOR FURTHER DETAILS
14. **WELDED STUDS** ALL STUDS ON BEAMS AND GIRDERS SHALL BE ALIGNED WITH MAIN TRANSVERSAL REINFORCING BARS. ANY GALVANIZING REQUIRED SHALL BE DONE AFTER STUD WELDING IS COMPLETED
15. **DECK JOINTS** ALL BRIDGE DECK JOINTS SHALL BE SEALED IN ACCORDANCE WITH THE DETAILS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING SBD-1 WITH SILICONE
16. **POURING CURBS, RAILS, AND SIDEWALKS** ALL SLAB CONCRETE SHALL BE POURED PRIOR TO POURING ANY CURBS, RAILS, OR SIDEWALKS ON ANY SINGLE SPAN OR ANY CONTINUOUS UNIT

17. **REMOVING BRIDGE DECKS** THE EXISTING GIRDERS SHALL NOT BE DAMAGED IN ANY WAY DUE TO THE REMOVAL OF THE BRIDGE DECK. THE CONTRACTOR SHALL NOT USE ANY REMOVAL EQUIPMENT LARGER THAN A 10 POUND HAND HELD PAVEMENT REMOVER. THE HAMMER SIZE SHALL BE LIMITED TO 35 POUNDS WHEN WORKING WITHIN 6" OF THE BREAKOUT OR EDGE OF GIRDER. CARE SHALL BE TAKEN NOT TO DAMAGE THE CONCRETE AND STEEL REINFORCEMENT TO BE RETAINED. WHERE THE DECK IS BEING REMOVED BETWEEN GIRDERS FOR ARMOR JOINT REPLACEMENT THE CONSTRUCTION JOINT SHALL BE TAPERED TOWARD THE BREAKOUT AREA TO PREVENT SPALLS ON THE UNDERSIDE OF THE SLAB. THE CONTRACTOR SHALL REPAIR CONCRETE SPALLS AND DAMAGED STEEL REINFORCEMENT, AT NO ADDITIONAL COST TO THE PROJECT, BY A METHOD APPROVED BY THE ENGINEER
18. **SHOP DRAWINGS** STRUCTURAL STEEL DETAILS SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY, AND ARE NOT GUARANTEED BY THE STATE TO BE ENTIRELY COMPLETE AND CORRECT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CORRECT SHOP DRAWINGS AND DETAIL DIMENSIONS TO FIT THE STRUCTURE. ATTENTION IS CALLED TO SECTION 105, PARTICULARLY ARTICLE 105.02 AND ARTICLE 836.14 OF THE SPECIFICATIONS
19. **COLUMN REINFORCING BARS** WHEN THE CAP IS NOT MORE THAN TWO (2) INCHES WIDER ON EACH SIDE OF THE COLUMN, THE FOLLOWING SHALL APPLY. COLUMN BARS SHALL BE TIED TO THE TOP FEW COLUMN HOOPS IN A MANNER THAT WILL ALLOW COLUMN BARS TO CLEAR CAP REINFORCING AND BE LOCATED INSIDE OF CAP REINFORCING
20. **MANDATORY NOTCH TOUGHNESS REQUIREMENTS FOR STRUCTURAL STEEL** MEMBERS AS SPECIFIED IN SECTION 836.01 (b) 1 OF CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SHALL MEET THE LONGITUDINAL CHARPY V-NOTCH TEST. A MEMBER SHALL BE ORDERED WITH ADDITIONAL LENGTH SO THE CONTRACTOR CAN FURNISH THE BUREAU OF MATERIALS AND TESTS AN EIGHTEEN (18) INCH SAMPLE FOR CHECK TESTING
21. **PRESTRESSED CONCRETE GIRDERS WITH POURED-IN-PLACE DECKS**
 - (A) SHOP DRAWINGS, SHOP DRAWINGS SHALL BE SUBMITTED AND SHALL SHOW A COMPLETE DETENSIONING SCHEDULE THAT WILL MINIMIZE TENSION IN THE CONCRETE DURING RELEASE OF THE STRANDS. DETAILED CONCRETE STRESSES DURING EACH OPERATION OF DETENSIONING SHALL BE SUBMITTED WITH THE DRAWINGS. THE SHOP DRAWINGS SHALL SHOW COMPLETE GIRDER DETAILS INCLUDING SHIELDING AND ALL REINFORCING AND STRUCTURAL STEEL
 - (B) FORMS ALL GIRDERS SHALL BE CAST ON CONCRETE FLOORED PALLETS AND IN METAL FORMS
 - (C) FINISH THE ENTIRE TOP OF THE GIRDERS SHALL BE SCRUBBED TRANSVERSELY TO A FULL MAGNETUDE OF INITIAL SET TO REMOVE ALKALANCE AND TO PROVIDE A ROUGHENED SURFACE. THE USE OF ALL MEMBRANE CURING COMPOUND SHALL NOT BE PERMITTED ON THE TOP OF THE TOP FLANGE OF PRESTRESSED GIRDERS
 - (D) SCARIFYING GIRDER SIDES AT EDGE BEAMS/END WALLS SHALL BE SCARIFIED FOR BONDING AFTER GIRDERS HAVE BEEN ERECTED AND FORM LINES HAVE BEEN ESTABLISHED
 - (E) INSERTS INSERTS ENCASED IN TOP OF EXTERIOR GIRDERS FOR USE IN FORMING OVERHANG WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL
 - (F) MISC. HARDWARE ACCESSORIES ENCASED IN GIRDERS FOR USE IN ATTACHING ANY TEMPORARY BRACING WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL. AFTER TEMPORARY BRACING IS REMOVED, ANY HOLES THAT EXIST SHALL BE GROUTED AND SURFACE RUBBED TO A NEAT FINISH
22. **CONCRETE PEDIESTALS** CONCRETE PEDIESTALS MAY BE POURED CONCURRENTLY WITH THE CAP OR POURED SEPARATELY IF A TYPE II EPOXY ADHESIVE IS APPLIED TO THE CONSTRUCTION JOINT JUST PRIOR TO POURING THE PEDIESTALS
23. **ANCHOR BOLT INSTALLATION** WELLS ARE REQUIRED FOR THE PLACEMENT OF ANCHOR BOLTS. SEE SECTION 508.03 (a) 2c OF THE STANDARD SPECIFICATIONS FOR FURTHER REQUIREMENTS
24. **BRIDGE DECK FINISH** THE FINAL BRIDGE DECK FINISH BEHIND THE SCREED SHALL BE OBTAINED BY BURLAP DRAG TO MATCH THE EXISTING DECK FINISH
25. **YEAR OF COMPLETION AND REFERENCE MARK** THE YEAR OF COMPLETION OF THIS STRUCTURE, AND THE PERMANENT REFERENCE MARK, AS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING BBR-1 OR BBR 2 AND SBD-1 ARE REQUIRED FOR THIS STRUCTURE
26. **SHIELD SHEETS** EXTERIOR SURFACES OF PERMANENT CASINGS FOR DRILLED SHAFTS SHALL BE COATED (PRIMER COAT ONLY) FROM THE TOP OF THE CASING DOWN TO
27. **METAL STAY-IN-PLACE FORMS** THIS STRUCTURE HAS BEEN DESIGNED TO ALLOW THE USE OF METAL STAY-IN-PLACE FORMS AT THE CONTRACTOR'S OPTION. SEE SUB-ARTICLE 501.03 (1) OF THE SPECIFICATIONS FOR NECESSARY DETAILS AND REQUIREMENTS. NO FIELD WELDING WILL BE PERMITTED ON STRUCTURAL STEEL MEMBERS UNLESS OTHERWISE NOTED ON THE BRIDGE DRAWINGS. THE CONTRACTOR SHALL EXERCISE CARE WHEN INSTALLING STAY-IN-PLACE FORMS TO INSURE THAT NO FIELD WELDS OR ARC STRIKES OCCUR ON THE STRUCTURAL STEEL MEMBERS

28. **SUBSURFACE INVESTIGATION** GENERAL SOIL STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL SECTION OF THE BUREAU OF MATERIALS AND TESTS OR FOUNDATION CONSULTANTS AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS
29. **ACCESS TO FOUNDATION** ACCESS TO A FOUNDATION REPORT AND CORE BORINGS FOR THIS PROJECT CAN BE OBTAINED BY CONTACTING THE GEOTECHNICAL SECTION OF THE ALABAMA DEPARTMENT OF TRANSPORTATION
30. **GIRDER ERECTION** THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY AND POSITIONAL CORRECTNESS (PLUMBNESS, ALIGNMENT, ETC.) OF THE GIRDERS DURING ALL PHASES OF CONSTRUCTION. ANY TEMPORARY BRACING AND/OR SUPPORT DEEMED NECESSARY BY THE CONTRACTOR TO ENSURE THE ABOVE UNTIL CONSTRUCTION IS COMPLETE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE STATE. WORKING DRAWINGS FOR BRACING SHALL BE SUBMITTED IN ACCORDANCE WITH ARTICLE 501.03 (1) OF THE STANDARD SPECIFICATIONS
31. **FIELD WELDING** NO FIELD WELDING WILL BE PERMITTED ON STEEL SUPER STRUCTURE ELEMENTS UNLESS OTHERWISE NOTED ON THE BRIDGE PLANS OR APPROVED IN WRITING BY THE BRIDGE ENGINEER
32. **OLD BRIDGE REMOVAL** IN ADDITION TO THE SPECIFICATION REQUIREMENTS FOR REMOVING THE OLD BRIDGE, ANY OF THE EXISTING BRIDGE SUBSTRUCTURE THAT INTERFERES WITH THE CONSTRUCTION OF THE ACQUIRED BRIDGE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN PAY ITEM 2064, REMOVAL OF OLD BRIDGE
33. **CRUIT**

THE CONTRACTOR SHALL NOTIFY THE STATE MAINTENANCE ENGINEER PRIOR TO THE FIVE (5) DAY ADVANCE NOTICE WHEN THE STRUCTURE IS TO BE REMOVED AND THE DATE THE STRUCTURE IS REMOVED

PAINT FOR TRAFFIC PROTECTION SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 5104 AND SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND REMOVAL OF SHIELD

NOTE TO CONTRACTOR: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND REMOVAL OF SHIELD

ALABAMA DEPARTMENT OF TRANSPORTATION



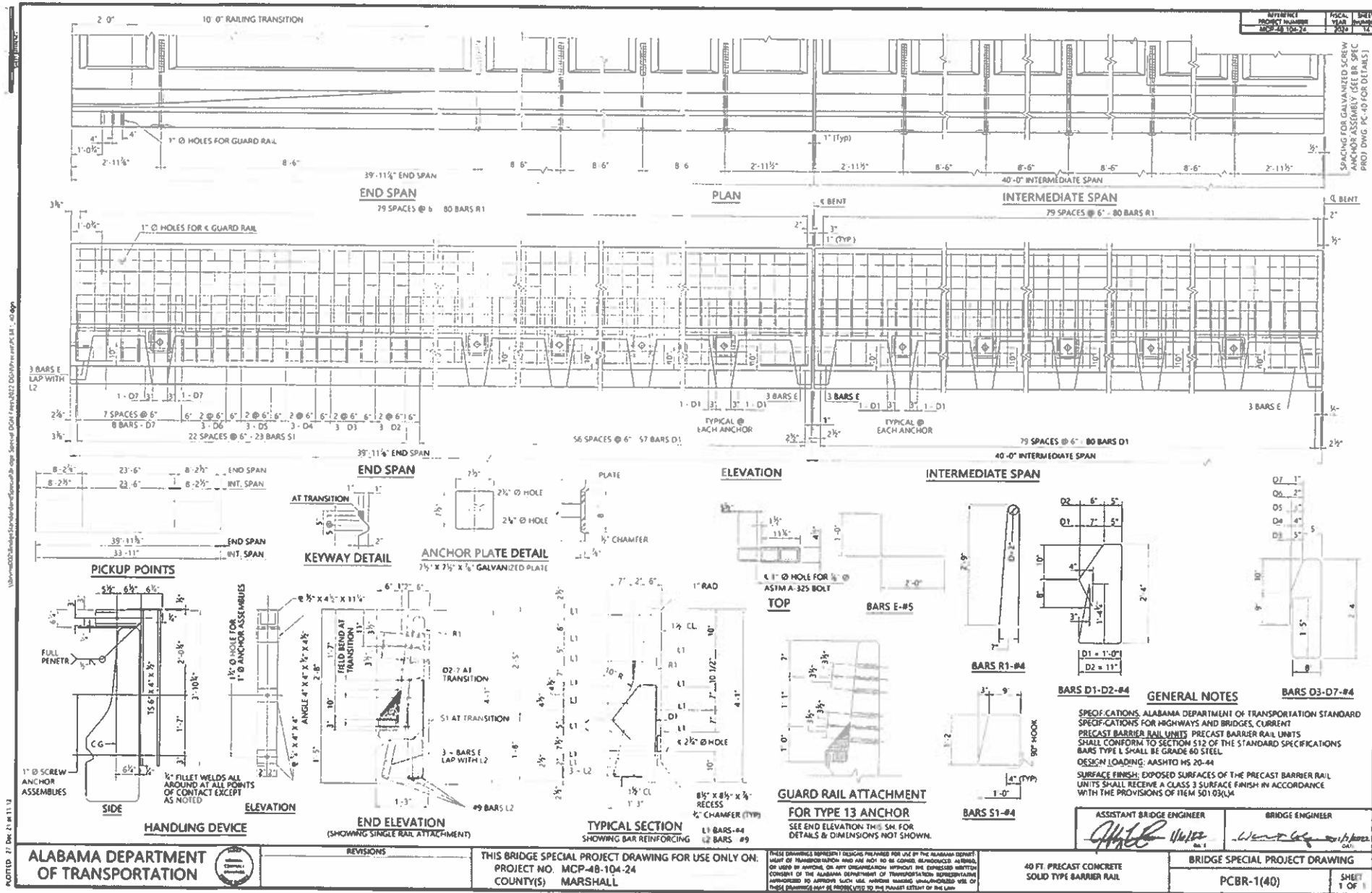
REVISIONS
1 REVISE NOTE 10
KCM 8/13/19

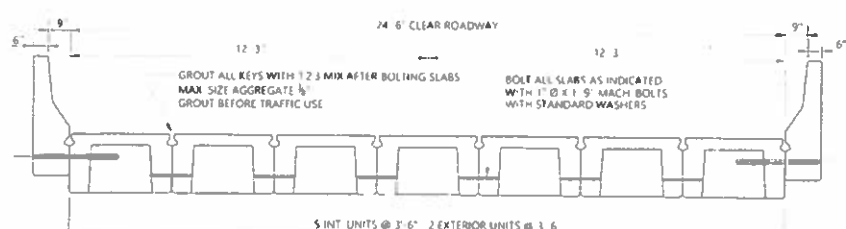
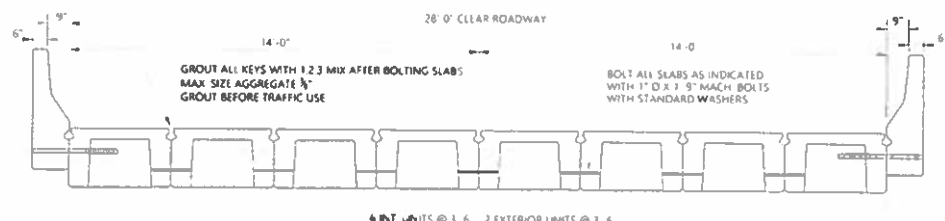
THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:
PROJECT NO. MCP-48-104-24
COUNTY(S) MARSHALL

THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND ARE NOT TO BE COPIED, REPRODUCED, REPAIRED, OR USED IN ANY MANNER, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION. REPRESENTATIVES AUTHORIZED TO APPROVE SUCH USE, APPROVE HAVING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULL EXTENT OF THE LAW

STANDARD BRIDGE NOTES

ASSISTANT BRIDGE ENGINEER <i>[Signature]</i> DATE	BRIDGE ENGINEER <i>[Signature]</i> DATE
BRIDGE SPECIAL PROJECT DRAWING	SHEET 1 OF 1



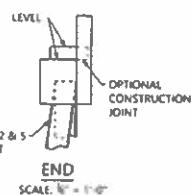


TYPICAL SECTIONS

GENERAL NOTES:

1. **ROADWAY:** VARIABLE WIDTH ROADWAYS AS SHOWN.
2. **DESIGN LOADING:** A.A.S.H.T.O. HS20-44
3. **SPECIFICATIONS:** ALABAMA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION
4. **STEEL REINFORCEMENT:** REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SECTION 835 OF THE STANDARD SPECIFICATIONS.
5. **WELDED FABRIC:** SHALL CONFORM TO THE REQUIREMENTS FOR WELDED STEEL WIRE REINFORCEMENT, SECTION 835 OF THE STANDARD SPECIFICATIONS. AL140 SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M221 AND M222.
6. **EXPANSION JOINTS:** SEAL IN ACCORDANCE WITH SUBARTICLE 832.02(C).
7. **CONCRETE:** CONCRETE SHALL CONFORM TO SECTION 512 OF THE STANDARD SPECIFICATIONS. COMPRESSIVE STRENGTH SHALL BE 5,000 P.S.I. MIN.
8. **HARDWARE:** ALL BOLTS SHALL CONFORM TO ASTM A-307 AND BE GALVANIZED IN ACCORDANCE WITH AASHTO M-232.

NOTED: 07 MAR 22 BY 08 56
 130-mcp48-104-24-bridge-special-project-drawing-for-use-only-on-mcp-48-104-24-county-marshall.dwg



1. FOR PILE CAP PLATE DETAIL AND PILE SPLICE NOTE SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1
2. FABRICATE ALL BARS #5 TO SAME LENGTH AND MAINTAIN 2" CONCRETE COVER AT TOP OF BARS
3. CONCRETE CONCRETE SHALL BE CLASS B IN ACCORDANCE WITH SECTION 501 OF THE STANDARD SPECIFICATIONS. ALL CORNERS TO BE CHAMFERED 1/4" BY 45° UNLESS OTHERWISE NOTED. ALL OTHER CORNERS TO BE ROUNDED 1/4" RADIUS
4. REINFORCING STEEL AND REINFORCING STEEL SHALL BE GRADE 60
5. BARS #15 AND BARS #18'S ARE TO BE EQUAL V SPACE NOT TO EXCEED 8" O.C. MAX
6. DESIGN DATA: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 17TH EDITION 2002



NOTE: LOADS ARE FOR 0% GRADE BRIDGES.



SECTION B-B
SCALE: 1" = 1'-0"

ASSISTANT BRIDGE ENGINEER  DATE 11/6/22	BRIDGE ENGINEER  DATE 11/6/22
--	--

BRIDGE ENGINEER

W. R. G. / 1/1/2000
DATE

CAST IN PLACE ABUTMENT DETAIL
FOR USE WITH 24'-6" ROADWAY
AND 24'-0", 34'-0" OR 40'-0" SPANS

BRIDGE SPECIAL PROJECT DRAWING

AB2400

SHEET
1 OF 1

ARMOR PLATE

- 1. ANY BURRS ON ROADWAY EDGE OF ARMOR PLATE SHALL BE GROUND SMOOTH
- 2. ON AN ARMOR PLATE WHERE A WELDED SPlice IS USED, PLACE ONE (1) STUD TWO INCHES (2") EACH SIDE OF THE WELDED SPlice AS SHOWN
- 3. A FULL PENETRATION GROOVE WELD SHALL BE USED FOR SHOP WELDED SPlices.
- 4. FIELD SPlices SHALL NOT BE LOCATED INSIDE THE LIMITS OF PARABOLIC CROWNS UNLESS OTHERWISE SHOWN BY PLAN DETAILS.
- 5. ARMOR PLATES SHALL BE GALVANIZED ACCORDING TO AASHTO M 111 AND THE FOLLOWING, UNLESS OTHERWISE NOTED ON THE CONTRACT PLANS. THE ARMOR PLATE SHALL BE RETURNED TO THE FABRICATION SHOP FOR INSPECTION AFTER GALVANIZATION AREAS WHICH ARE TO BE WELDED AFTER GALVANIZATION SHALL HAVE THE GALVANIZATION REMOVED PRIOR TO WELDING. IF THE FIELD SPlice IS WELDED, COAL GALVANIZATION SHALL BE USED TO REPAIR THESE AREAS AND ANY DAMAGED AREAS, AND NUMBER OF BOLTED FIELD SPlices SHALL BE HELD TO A MINIMUM DEPENDENT ON CONSTRUCTION REQUIREMENTS AND APPROVAL OF THE ENGINEER.
- 6. WEIGHT OF OPTIONAL BOLTED SPlices AND 4" x 16" STUDS WILL NOT BE MEASURED FOR PAYMENT. COST SHALL BE INCLUDED IN PAYMENT FOR ARMOR PLATES.
- 7. STEEL FOR ARMOR PLATES SHALL BE GRADE 36 OR BETTER. PAYMENT SHALL BE INCLUDED IN PAY ITEM 508A, LBS. STRUCTURAL STEEL.

ANCHOR BOLD

8. ANCHOR BOLTS IS DIMENSIONED FOR USE WITH STANDARD BEARINGS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING SP60-1. ANCHOR BOLTS MAY BE USED WITH OTHER BEARING DESIGNS BUT COMPATIBILITY MUST BE VERIFIED BY THE DESIGNER.
9. SWEDGED ANCHOR BOLTS W/2 HEAVY HEX NUTS AND 1 WASHER EACH SHALL BE INCLUDED IN PAY ITEM SOBA, LBS., STRUCTURAL STEEL.
10. SWEDGED ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M 232. DAMAGED GALVANIZED SURFACES NOT TO BE ENCASED IN CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH STANDARD SPECIFICATION 855.15
11. SWEDGED ANCHOR BOLTS SHALL BE SET IN 4"Ø ANCHOR BOLT WELLS
12. PROVIDE EACH ANCHOR BOLT WELL WITH A READY REMOVABLE WATER TIGHT CAP. DETAILS TO BE APPROVED BY THE ENGINEER. THE FORMWORK, DEBRIS AND STANDING WATER SHALL BE REMOVED FROM EACH WELL IMMEDIATELY PRIOR TO CAPPING. IT IS MANDATORY THAT CAPS BE IN PLACE THROUGHOUT PERIODS DURING WHICH BELOW FREEZING TEMPERATURES CAN BE EXPECTED TO OCCUR. THE CONTRACTOR SHALL ENSURE THAT ANY WATER TRAPPED IN THE WELLS DOES NOT FREEZE.
13. REMOVE CORRUGATED WEL, FORM PRIOR TO GROUTING ANCHOR BOLTS. DO NOT GROUT ANCHOR BOLTS UNTIL GORDERS HAVE BEEN COMPLETELY ERECTED, ADJUSTED IF NECESSARY AFTER ERECTION AND APPROVED BY THE ENGINEER.

PILE CAP CHANNELS & PLATES

14. PILE CAP PLATE MAY BE CUT FROM PILE CUT-OFF. PAYMENT FOR PILE CAP PLATES AND PILE CAP CHANNELS ARE INCLUDED IN PAY ITEM SOBA, LBS., STRUCTURAL STEEL.

JOINT SEAL

15) IN CASE BRIDGE STANDARD NOTE 15 IS CALLED FOR, SILICONE JOINT SEAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MATERIALS USED FOR SEALING THE JOINT SHALL BE 100% SILICONE RUBBER DESIGNED TO SEAL EXPANSION JOINTS THAT EXPERIENCE BOTH THERMAL AND VERTICAL MOVEMENT DUE TO TRAFFIC LOADING. TURN SEAL UP BETWEEN BARRIER RAILS AT GUTTERLINES TO EXTEND A MINIMUM OF 6" ABOVE BRIDGE DECK. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED IN PAY ITEM "LUMP SUM-BRIDGE CONCRETE SUPERSTRUCTURE".

PILE SPICE PLATE

16. AT THE CONTRACTOR'S OPTION, A PRE-FABRICATED H-PILE SPlicer MAY BE USED IN LIEU OF THE SPlice SHOWN. THE CONTRACTOR SHALL CHOOSE A SPlicer FROM THE ADOPTED MISCELLANEOUS APPROVED PRODUCTS LIST OR SHALL FURNISH THE MANUFACTURER'S SPlicer DETAILS AND RECOMMENDATIONS FOR INSTALLATION TO THE CONSTRUCTION ENGINEER FOR APPROVAL.

17. PILE SPICE PLATES MAY BE CUT FROM PILE CUT OFF. ENDS OF PILES TO BE BURNED SQUARE AND BUTT WELDED BY A WELDER POSSESSING AN ADOPT WELDER QUALIFICATION CARD

18. PILE SPACING SHALL ONLY BE USED BELOW GRADE WITH THE EXCEPTION OF TEST PILES.

PILE PAINTING

19. THE SYSTEM 1A INTERMEDIATE AND TOP COAT MAY BE OMITTED WHENEVER CONCRETE ENCASEMENT EXTENDS TO WITHIN 6" FROM BOTTOM OF CAP.

20. MATCHED SURFACE (1'-6" ABOVE & BELOW TOP OF ENCASEMENT) SHALL RECEIVE A 2" THICK SURFACE PREPARATION PRIOR TO BEING COATED WITH AN APPROVED GEL. REPAIR PAINT THAT SATISFIES THE REQUIREMENTS OF SUB ARTICLE 855.15 OF THE STANDARD SPECIFICATIONS.

21. SURFACE PREPARATION AND PAINTING FOR PILE AND SWAY BRACING SHALL BE FIELD APPLIED.

SHOP DRAWINGS

22 PER ALOOT STANDARD SPECIFICATIONS, SHOP DRAWINGS FOR PAY ITEM 508-A ITEMS ARE REQUIRED. SHOP DRAWINGS ARE NOT REQUIRED FOR PILE CAP PLATES.

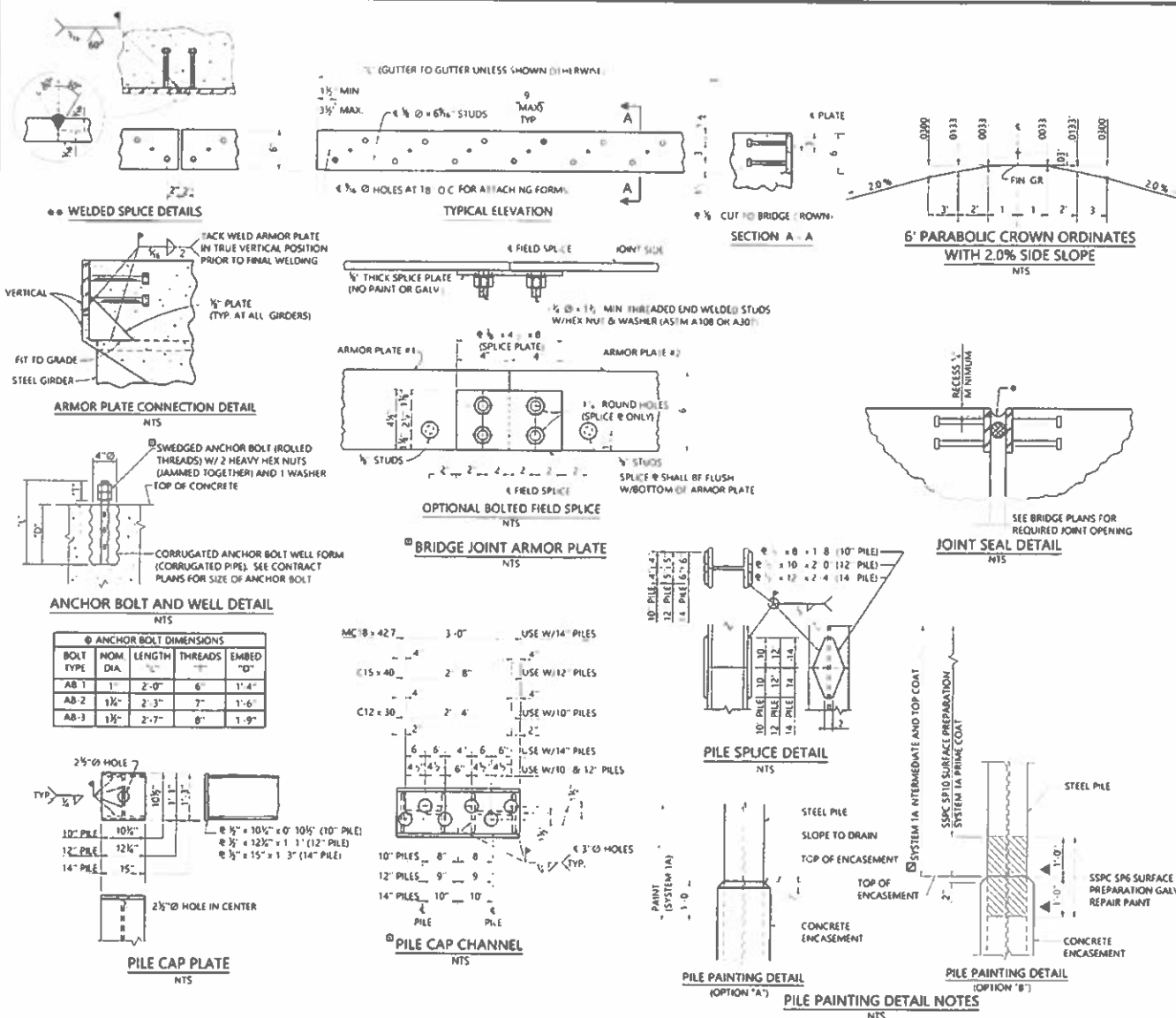
ASSISTANT BRIDGE ENGINEER	BRIDGE ENGINEER
<i>Jaffrey T. Hunner</i> 8/12/12 DAM	<i>Walter C. Hunner</i> 8/12/12 DAM

BRIDGE STANDARD

BRIDGE SPECIAL PROJECT DRAWING

SBD-1

SHEET
1 OF



PILE PAINTING DETAIL NOTES

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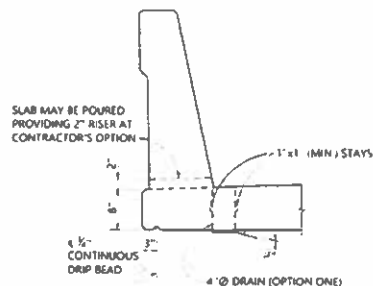
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OF TRANSPORTATION

REVISIONS	
1	REVISED ANCHOR BOLT AND WELL DETAIL WTC 8-17-2022

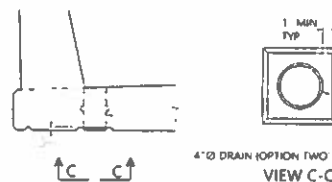
THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:
PROJECT NO. MCP-48-104-24
COUNTY(S) MARSHALL

10210 10-APR 23 10 26



MISCELLANEOUS SLAB DETAILS

NTS



NOTES:

MISCELLANEOUS SLAB DETAILS

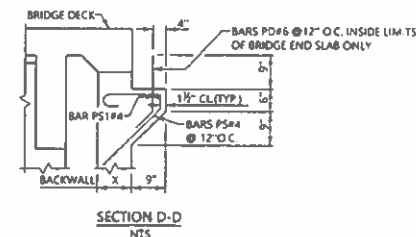
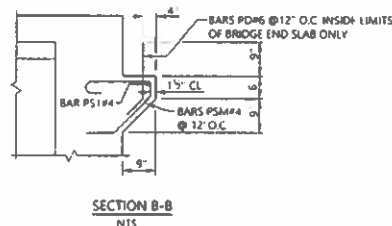
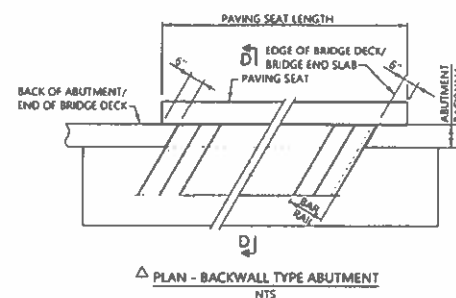
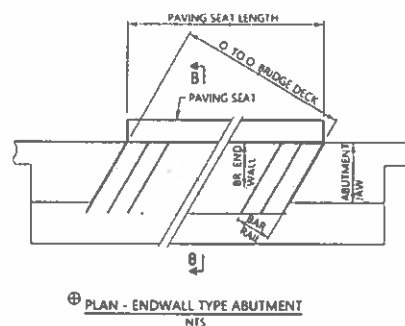
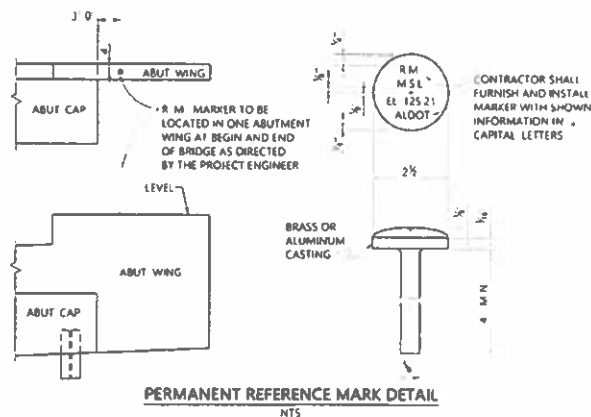
1. DRAIN SHALL BE WHITE OR GRAY PVC (SANITARY) SEWER PIPE (ARTICLE 854.11). LOCATE AND ATTACH TWO (2) 1" x 1" (MIN) STAYS 180" APART AS SHOWN. STAYS SHALL BE MADE FROM PVC PIPE AND BONDED WITH PVC SOLVENT CEMENT. OMIT DRAINS OVER TRAFFIC LANES, UNPROTECTED SLOPE FILLS, HIGH SIDE IF SUPERELEVATED AND WITHIN 10' OF BRIDGE ENDS AND 5'-0" OF INTERIOR BRIDGE JOINTS. SPACE @ 5'-0" O.C. UNLESS SHOWN OTHERWISE ON THE CONTRACT PLANS.

PERMANENT REFERENCE MARK

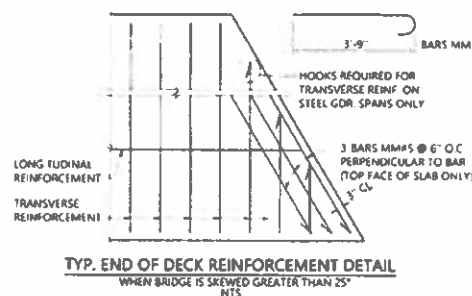
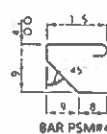
2. BRASS MARKER TO BE CAST IN ONE PIECE, OUT OF LEADED SEMI-RED BRASS ASTM B584 ALLOY B48 OR APPROVED EQUAL. ALUMINUM DISC SHALL BE ALUMINUM ALLOY CS 208 IN ACCORDANCE WITH ASTM B26 OR APPROVED EQUAL.
3. INFORMATION AND FIELD STENCILING (ILLUSTRATED IN LIGHT WT. LETTERS) SHALL BE THE RESPONSIBILITY OF THE STATE (COUNTY ON COUNTY PROJECTS).

PAVING SEAT

4. PAVING SEATS NOT USED WHEN BRIDGE JOINT IS ON INSIDE OF ABUTMENT BACKWALL. SEE BRIDGE SPECIAL PROJECT DWG. TYPE BES-450(I).
5. APPLIES TO BRIDGE JOINT ON OUTSIDE OF ABUTMENT BACKWALL ONLY. SEE BRIDGE SPECIAL PROJECT DWG. TYPE BES-450(II).
6. SEE BRIDGE SPECIAL PROJECT DWG. SERIES (B) FOR DETAILS.



PAVING SEAT DETAILS



ALABAMA DEPARTMENT OF TRANSPORTATION



REVISIONS

1. REVISED SKEW DEGREE IN DECK REINFORCEMENT KCM 12/14/21

THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:
PROJECT NO. MCP-48-104-24
COUNTY(S) MARSHALL

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BRIDGE STANDARD DETAILS

BRIDGE SPECIAL PROJECT DRAWING

SBD-1

SHEET 2 OF 2