

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	HSIP-0020-01(267)	1

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY	1
<input type="checkbox"/> PERMANENT SIGNS	1001
<input type="checkbox"/> TRAFFIC SIGNALS	2001
<input type="checkbox"/> ITS COMPONENTS	3001
<input type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS	6001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (LRFD)	7001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (STD. SPEC.)	7501
<input type="checkbox"/> BRIDGE	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

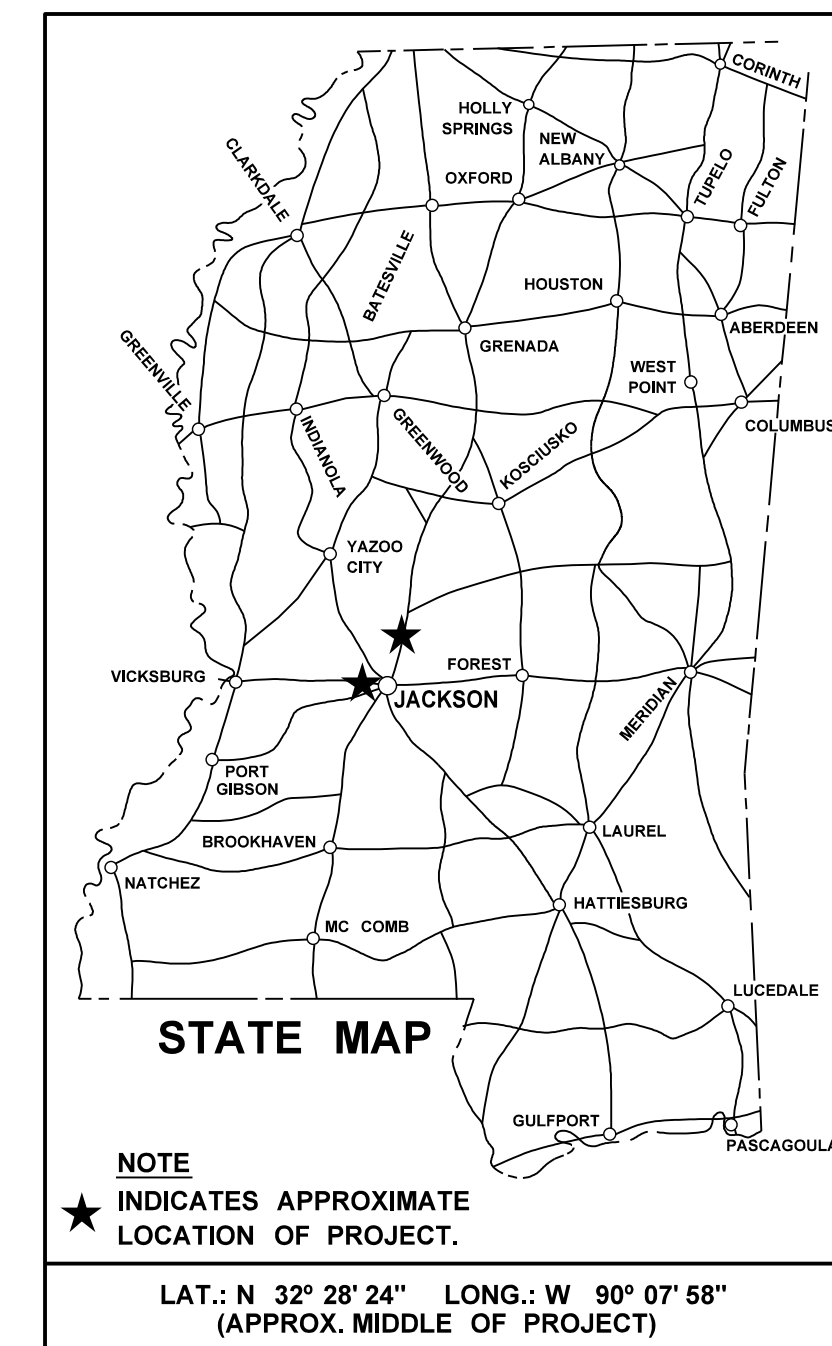
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. HSIP-0020-01(267)

I-20 FROM THE NATCHEZ TRACE PARKWAY TO ROBINSON ROAD AND
I-55 FROM MS 463 TO THE BIG BLACK RIVER
HINDS AND MADISON COUNTIES

SCALES

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 10,000 FT.

FMS CON. NO. 108883 / 301000 CON
108883 / 302000 CON



BRIDGE STRUCTURES REQ'D.

NONE

BOX BRIDGES REQ'D.

NONE

EQUATIONS

EQUATION 1-55:
STA. 460 + 51.181 BK =
STA. 453 + 21.251 AH

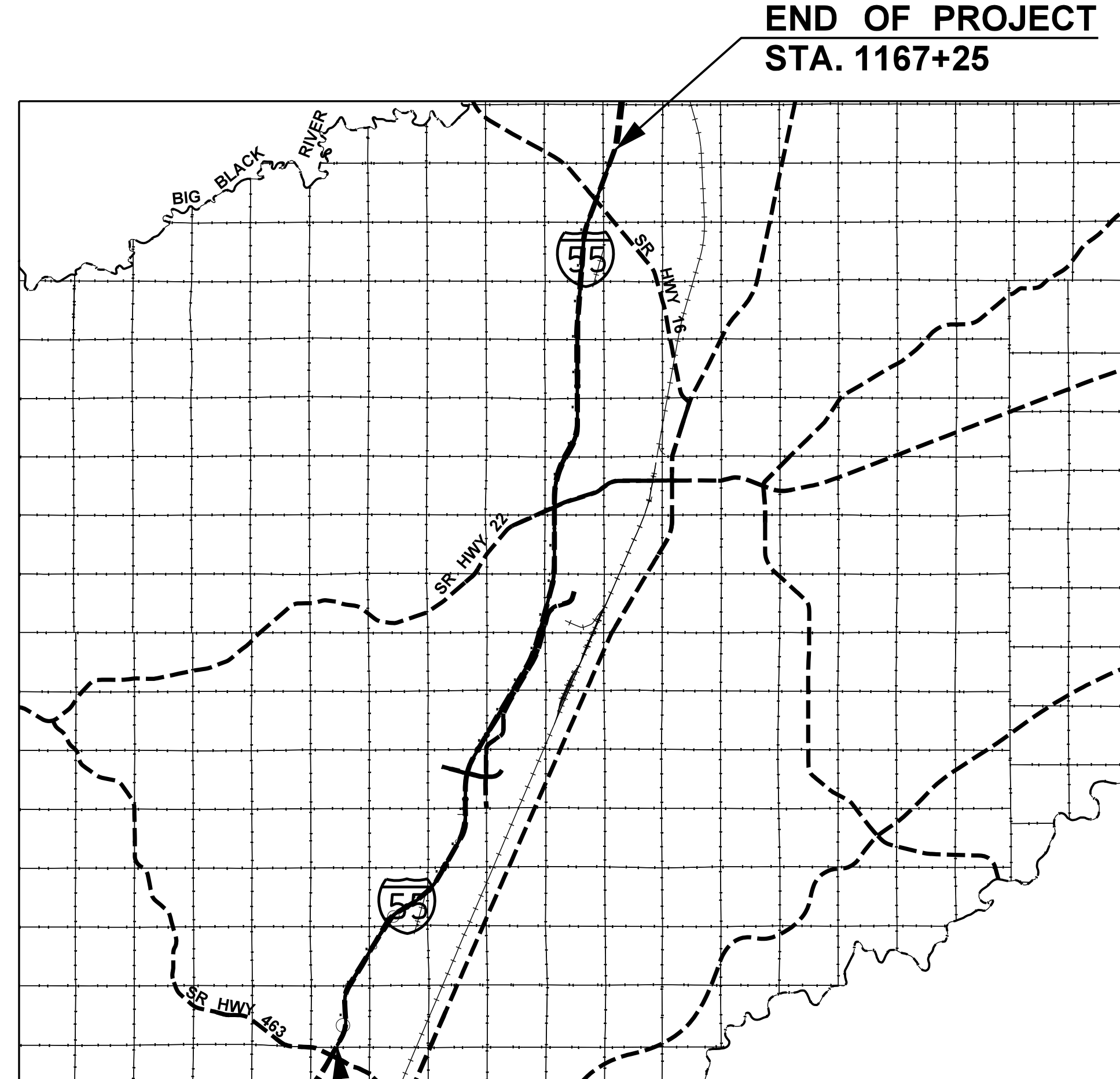
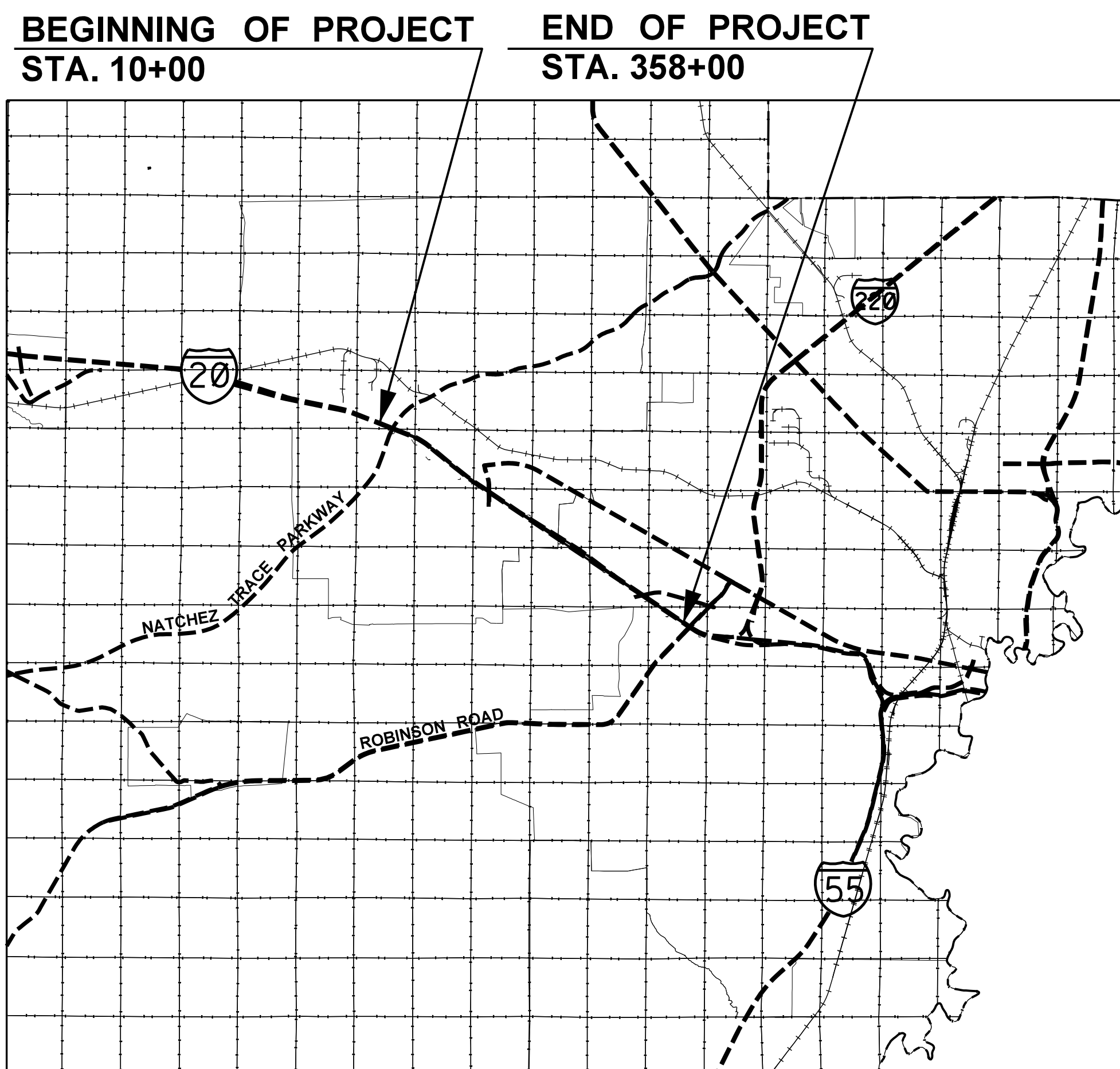
EQUATION 1-55:
STA. 916 + 01.752 BK =
STA. 915 + 58.171 AH

EXCEPTIONS

NONE

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN CORPORATION LINE	
SECTION LINE	
EXISTING ROAD OR TRAVELED WAY	
PROPOSED ROAD OR TRAVELED WAY	
RAILROAD	
SURVEY LINE	
BRIDGES	



LENGTH DATA

LENGTH OF CABLE BARRIER HINDS CO	23,150.00 FT.	4.384 MI.
LENGTH OF CABLE BARRIER MADISON CO	43,750.00 FT.	8.286 MI.
LENGTH OF PROJECT (NET)		12.670 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.000 MI.
LENGTH OF PROJECT (GROSS)	66,900.00 FT.	12.670 MI.

DESIGN CONTROL

70 MPH = V (SPEED DESIGN)

ADT (2020) = X,XXX : ADT (2040) = XX,XXX
DHV = X,XXX : D = XX % T = XX %

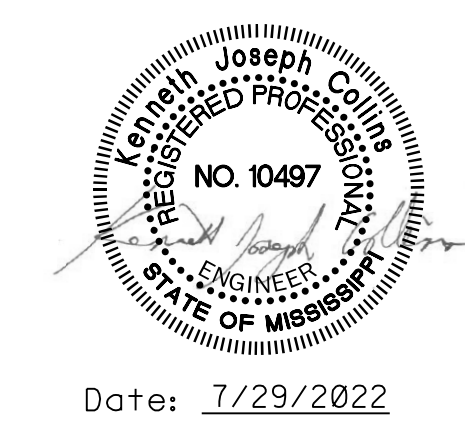
PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

STORMWATER PERMIT

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)
S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____



P S & E DATE: 7/29/22

APPROVED: _____
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR _____

7/29/2022 1:04:40 AM TITLE SHEET.DGN

STATE	PROJECT NO.
MISS.	HSIP-0020-01(267)

DESCRIPTION OF SHEET

WK. SH.
SH. NO.

TITLE SHEET (1)

DETAILED INDEX - ROADWAY
DETAILED INDEX - ROADWAY

GENERAL NOTES

TYPICAL SECTION SHEETS (3)

TYPICAL SECTION - I-20
TYPICAL SECTION - I-55
TYPICAL SECTION - I-55

SUMMARY OF QUANTITY SHEETS (3)

SUMMARY OF QUANTITIES - I-20
SUMMARY OF QUANTITIES - I-20
SUMMARY OF QUANTITIES - I-55

ESTIMATED QUANTITY SHEETS (10)

ESTIMATED QUANTITY - SUMMARY OF DRAINAGE - HINDS COUNTY
ESTIMATED QUANTITY - SUMMARY OF DRAINAGE - MADISON COUNTY
ESTIMATED QUANTITY - REMOVAL ITEMS - HINDS COUNTY
ESTIMATED QUANTITY - REMOVAL ITEMS - MADISON COUNTY
ESTIMATED QUANTITY - EARTHWORK - HINDS COUNTY
ESTIMATED QUANTITY - EARTHWORK - MADISON COUNTY
ESTIMATED QUANTITY - EROSION CONTROL & CABLE BARRIER - HINDS COUNTY
ESTIMATED QUANTITY - EROSION CONTROL & CABLE BARRIER - MADISON COUNTY
ESTIMATED QUANTITY - CONSTRUCTION SIGNING I-20 - HINDS COUNTY
ESTIMATED QUANTITY - CONSTRUCTION SIGNING I-55 - MADISON COUNTY

PLAN SHEETS (19)

I-20 B.O.P. STA. 10+00 TO STA. 71+00
I-20 STA. 71+00 TO STA. 134+00
I-20 STA. 134+00 TO STA. 198+00
I-20 STA. 198+00 TO STA. 262+00
I-20 STA. 262+00 TO STA. 326+00
I-20 STA. 326+00 TO E.O.P. STA. 358+00
I-55 B.O.P. STA. 303+00 TO STA. 363+00
I-55 STA. 363+00 TO STA. 427+00
I-55 STA. 427+00 TO STA. 483+00
I-55 STA. 483+00 TO STA. 547+00
I-55 STA. 547+00 TO STA. 611+00
I-55 STA. 611+00 TO STA. 675+00
I-55 STA. 675+00 TO STA. 739+00
I-55 STA. 739+00 TO STA. 803+00
I-55 STA. 803+00 TO STA. 867+00
I-55 STA. 867+00 TO STA. 931+00
I-55 STA. 931+00 TO STA. 995+00
I-55 STA. 1059+00 TO STA. 1123+00
I-55 STA. 1123+00 TO E.O.P. STA. 1167+25

SPECIAL DESIGN SHEETS (41)

CONSTRUCTION SIGNING SHEETS (12)

CONSTRUCTION SIGNING - I-20
CONSTRUCTION SIGNING - I-20
CONSTRUCTION SIGNING - I-20
CONSTRUCTION SIGNING - I-20

DI-1
DI-2

GN-1

TS-1
TS-2
TS-3

SQ-1
SQ-2
SQ-3

EQ-1
EQ-2
EQ-3
EQ-4
EQ-5
EQ-6
EQ-7
EQ-8
EQ-9
EQ-10

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CS-2
CS-3
CS-4

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DESCRIPTION OF SHEET

CONSTRUCTION SIGNING - I-20
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55
CONSTRUCTION SIGNING - I-55

PRELIMINARY EROSION CONTROL PLANS (19)

I-20 B.O.P. STA. 10+00 TO STA. 71+00
I-20 STA. 71+00 TO STA. 134+00
I-20 STA. 134+00 TO STA. 198+00
I-20 STA. 198+00 TO STA. 262+00
I-20 STA. 262+00 TO STA. 326+00
I-20 STA. 326+00 TO E.O.P. STA. 358+00
I-55 B.O.P. STA. 303+00 TO STA. 363+00
I-55 STA. 363+00 TO STA. 427+00
I-55 STA. 427+00 TO STA. 483+00
I-55 STA. 483+00 TO STA. 547+00
I-55 STA. 547+00 TO STA. 611+00
I-55 STA. 611+00 TO STA. 675+00
I-55 STA. 675+00 TO STA. 739+00
I-55 STA. 739+00 TO STA. 803+00
I-55 STA. 803+00 TO STA. 867+00
I-55 STA. 867+00 TO STA. 931+00
I-55 STA. 931+00 TO STA. 995+00
I-55 STA. 1059+00 TO STA. 1123+00
I-55 STA. 1123+00 TO E.O.P. STA. 1167+25

MISCELLANEOUS - SPECIAL DESIGN SHEETS (10)

VEGETATION SCHEDULE
B-9 INLET DETAILS - I-20 STA. 33+67
B-9 INLET DETAILS - I-20 STA. 38+54
B-9 INLET DETAILS - I-20 STA. 164+75
B-9 INLET DETAILS - I-20 STA. 302+84
B-9 INLET DETAILS - I-55 STA. 326+50
B-9 INLET DETAILS - I-55 STA. 926+00
B-9 INLET DETAILS - I-55 STA. 932+00
B-9 INLET DETAILS - I-55 STA. 945+00
B-9 INLET DETAILS - I-55 STA. 1110+00

WK. SH.
SH. NO.

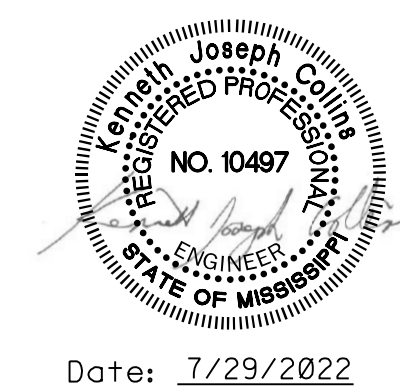
ECP3
ECP4
ECP5
ECP6
ECP7
ECP8
ECP9
ECP10
ECP11
ECP12
ECP13
ECP14
ECP15
ECP16
ECP17
ECP18
ECP19
ECP20
ECP21

VS-1
MB9-1
MB9-2
MB9-3
MB9-4
MB9-5
MB9-6
MB9-7
MB9-8
MB9-9

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PS & E PLANS-DATE: 7/29/22		
FMS CON.: 108883 / 301000		
REVISIONS		
DATE	SHEET NO.	BY



Date: 7/29/2022

REVISION	MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAIL INDEX	
	I-20/I-55 CABLE BARRIER PROJECT	
DATE	PROJ. NO.: HSIP-0020-01(267) COUNTY: HINDS	
	FILENAME: DI-1.dgn	
	DESIGN TEAM Michael Baker Intl. CHECKED KJC DATE 2022	WORKING NUMBER DI-1 SHEET NUMBER 2



STATE	PROJECT NO.
MISS.	HSIP-0020-01(267)

WK. SH.
SH. NO.

DESCRIPTION OF SHEET

STANDARD DRAWINGS (25)

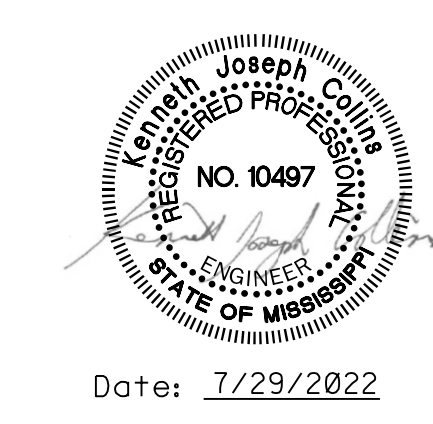
TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS	ECD-1	6101
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	6102
DETAILS OF SILT FENCE INSTALLATION	ECD-3	6103
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	6104
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES (SILT FENCE AND HAY BALE DITCH CHECKS)	ECD-5	6105
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	6106
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	6107
TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION	ECD-11	6111
INLET PROTECTION DETAILS FOR SEDIMENT CONTROL STONE ON GRADES AND SAGS	ECD-12	6112
INLET PROTECTION DETAILS OF WATTLES	ECD-13	6113
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-14	6114
INLET PROTECTION DETAILS OF SANDBAGS	ECD-15	6115
STABILIZED CONSTRUCTION ENTRANCE	ECD-16	6116
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-21	6121
SEDIMENT RETENTION BARRIER	ECD-22	6122
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	6123
EROSION CONTROL BLANKET	ECB-1	6131
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (MEDIAN LANE OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)	TCP-4	6354
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	TCP-8	6358
LOCATION OF R16-3 SIGNS (SPEEDING FINES DOUBLED)	TCP-15	6365
PIPE CULVERT INSTALLATION	PI-1	6501
CONCRETE PIPE COLLAR	PC-1	6503
MEDIAN INLETS FOR BOX CULVERTS (TYPE I & II)	MI-3	6513
PAVED INLET APRON AND MEDIAN DITCH PLUG	PA-1	6520
FLARED END SECTION FOR CONCRETE PIPE	FE-1	6530

CROSS SECTION SHEETS (177)

I-20	9001-9062
I-55	9063-9177

TOTAL SHEETS = 282

7/29/2022 2:06 PM DI -2.DGN



MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAIL INDEX	
I-20/I-55 CABLE BARRIER PROJECT	
PROJ. NO.: HSIP-0020-01(267) COUNTY: HINDS	
DATE	FILENAME: DI-2.dgn
DESIGN TEAM	Michael Baker Intl. CHECKED KJC DATE 2022
WORKING NUMBER	DI-2
SHEET NUMBER	3

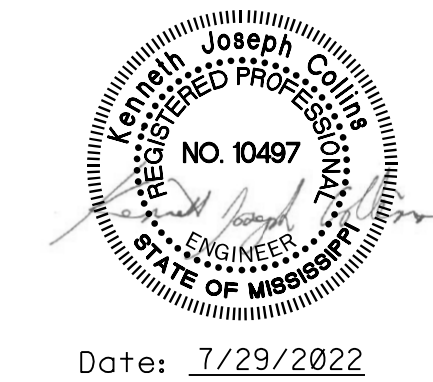


GENERAL NOTES

STATE	PROJECT NO.
MISS.	HSIP-0020-01(267)

- (1) THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- (2) ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE **MUTCD** (LATEST EDITION).
- (3) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- (4) 25% SHRINKAGE FACTOR USED IN THE EARTHWORK CALCULATIONS IS FOR DESIGN ESTIMATING PURPOSES ONLY.
- (5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, AND BRIDGES FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- (6) ALL PIPE JOINTS ARE TO BE WRAPPED IN 24-INCH WIDE TYPE V GEOTEXTILE FABRIC. ALL PICKUP HOLES SHALL BE PLUGGED AND COVERED WITH TYPE V GEOTEXTILE FABRIC , THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (7) VOIDS CREATED BY THE REMOVAL OF, BUT NOT LIMITED TO, POSTS, CONCRETE ANCHORS, AND FOOTINGS SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE COST OF WHICH SHALL BE ABSORBED IN OTHER BID ITEMS.
- (8) WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING WHAT BRACING, SHORING, OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION OR ANY STRUCTURES ADJACENT TO THE EXCAVATION. ALL COSTS FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- (9) WIRE FENCE BACKING WILL BE REQUIRED FOR ALL SILT FENCE. (SEE WK. NO. ECD-3)
- (10) FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
- (11) THE COST OF ANY COLLARS REQUIRED TO CONNECT CONCRETE FLARED END SECTIONS TO NON-CONCRETE PIPE SECTIONS SHALL BE ABSORBED IN THE COST FOR NON-CONCRETE PIPE.
- (12) DURING CONSTRUCTION, CARE SHALL BE EXERCISED THAT NO DEBRIS FALLS INTO THE HYDRAULIC CROSSING IN THE BOX CULVERTS.
- (13) THE CONTRACTOR SHALL COVER ANY TEMPORARY TRAFFIC CONTROL SIGNS SHOWN IN THE TRAFFIC CONTROL PLAN THAT DO NOT APPLY TO THE CURRENT PHASE.
- (14) THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U. S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. ANY ADDITIONAL SILT BASINS NOT SHOWN IN THE PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL PLAN PRIOR TO SUBMITTING FOR APPROVAL.
- (15) PRIOR TO EARTHWORK OPERATIONS, THE EXISTING TOP 4" TOPSOIL IS TO BE STRIPPED AND STOCKPILED. AFTER THE GRADING OPERATIONS ARE COMPLETED, SAID TOPSOIL SHALL BE PLACED ON ALL AREAS THAT ARE NOT TO BE PAVED OR OTHERWISE PROTECTED, IN ACCORDANCE WITH SECTION 211 OF THE SPECIFICATIONS, OR THE VEGETATION SCHEDULE (SEE WK. SH. VS-1). EXISTING TOPSOIL AND ALL COSTS ASSOCIATED WITH STRIPPING, HAULING, STOCKPILING, AND PLACEMENT OF THE EXISTING TOPSOIL IS TO BE ABSORBED IN OTHER EARTHWORK ITEMS.
- (16) THE CONTRACTOR IS RESPONSIBLE FOR FIELD-VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.
- (17) ALL ITEMS OF WORK ASSOCIATED WITH THE INSTALLATION OF A CONSTRUCTION ENTRANCE SHALL BE ABSORBED IN OTHER ITEMS OF WORK.
- (18) IF COLORS ARE USED ON PLAN/PROFILE SHEETS, THEY ARE INTENDED TO VISUALLY EASE THE LOCATION OF ELEMENTS FOR USERS OF THESE DRAWINGS. ALTHOUGH THE INTENT IS TO CATEGORIZE EVERYTHING AS EITHER EXISTING OR PROPOSED, IT IS THE END USER'S RESPONSIBILITY TO ENSURE ALL ELEMENTS ARE INTERPRETED CORRECTLY, REGARDLESS OF COLOR.
- (19) ALL ADDENDA TO THESE PLANS WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NOT BE MAILED. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT.
- (20) THE COST FOR REMOVAL OF ALL HEADWALLS AND WINGWALLS (PIPES, BOX CULVERTS, BOX BRIDGES) SHALL BE ABSORBED IN OTHER ITEMS BID.
- (21) STORAGE OF FLAMMABLE MATERIALS WILL NOT BE ALLOWED UNDER ANY BRIDGE STRUCTURES WITHOUT WRITTEN APPROVAL FROM THE PROJECT ENGINEER. SEE NOTICE TO BIDDERS ENTITLED "MATERIAL STORAGE UNDER BRIDGES" FOR MORE INFORMATION.
- (22) THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTOR FROM ADJACENT PROJECT(S) IN IMPLEMENTING THE TRAFFIC CONTROL PLAN AS DIRECTED BY THE ENGINEER. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

7/29/2022 1:01:41 AM GN-1.dgn



Date: 7/29/2022

MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
GENERAL NOTES		
I-20 / I-55 CBALE BARRIER PROJECT		WORKING NUMBER GN-1
PROJ. NO.: HSIP-0020-01(267) COUNTY: HINDS		SHEET NUMBER 4
REVISION	BY	DATE
FILENAME: GN-1.dgn		
DESIGN TEAM Michael Baker Intl. CHECKED KJC DATE 2022		