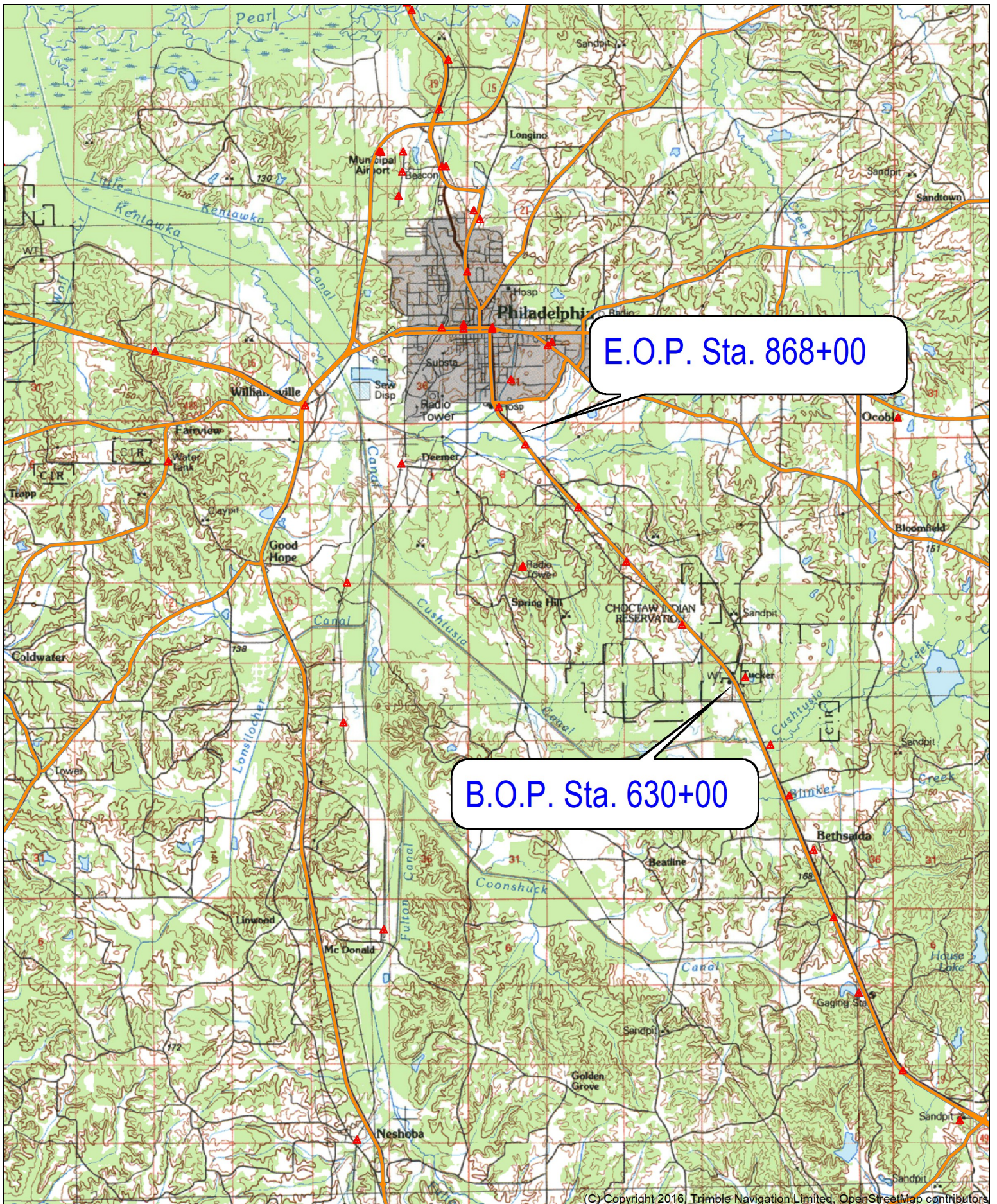


***Neshoba 19***  
***STP-0026-01(080); 101649-302000***

Section 404 General Permit 46  
and  
Section 401 Water Quality

## Location Map

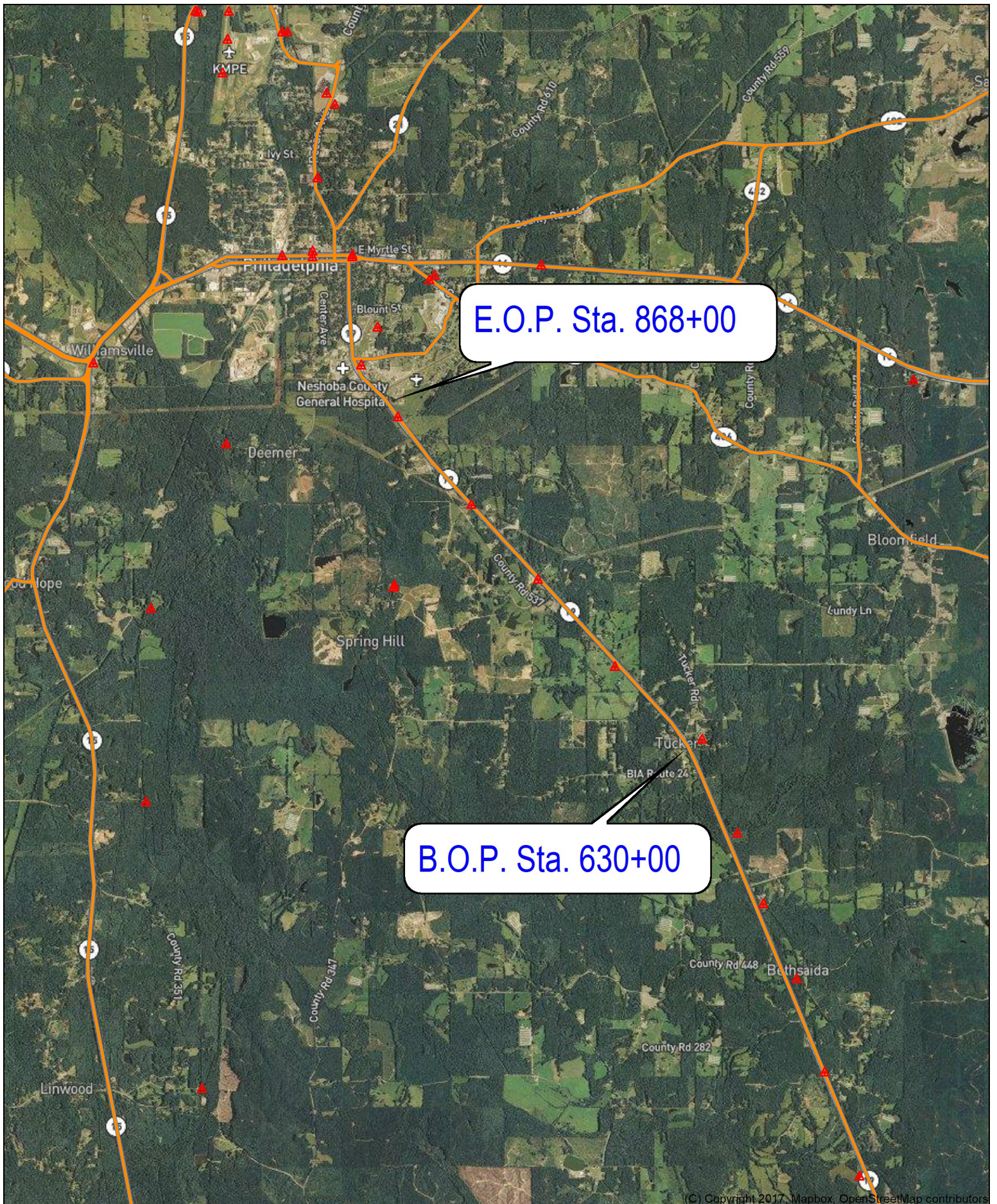


E.O.P. Sta. 868+00

B.O.P. Sta. 630+00

Name: CARTHAGE  
 Date: 05/15/20  
 Scale: 1 inch = 8,333 ft.

Location: 032° 43' 12.8474" N, 089° 06' 16.2834" W  
 Neshoba SR 19 Grade/Pave 2 New Lanes  
 FMS 101649/302000



E.O.P. Sta. 868+00

B.O.P. Sta. 630+00

(C) Copyright 2017, Mapbox, OpenStreetMap contributors

Name: Satellite Image (Hybrid Street)  
Date: 05/15/20  
Scale: 1 inch = 6,018 ft.

Location: 032° 43' 29.3311" N, 089° 04' 57.1899" W  
Neshoba SR 19 Grade/Pave 2 New Lanes  
FMS 101649/302000

(C) Copyright 2017, Mapbox

## Final Table of Impacts

**Table 1. Wetland Data Point Summary Table**

Data Point	Wetland ID#	Site # OR Worksheet #	Latitude*	Longitude*	Approximate Station Number	Section-Township-Range	Area from ROW to ROW (Acres)	Cowardin Classification	Impact**
DP-1		4 LT & RT	32.70451	-89.05032	636	22-10N-12E		Upland	
DP-2	W-1	4 LT & RT	32.7061	-89.0518	644	22-10N-12E	1.0	PFO	0.92 acres permanent fill associated with added two lanes of road construction
DP-3	W-2	5 LT & RT	32.710673	-89.05060	663+50	15-10N-12E	.75	PFO	0.70 acres permanent fill associated with added two lanes of road construction.
DP-4		5 LT & RT	32.712171	-89.0578	672	15-10N-12E		Upland	
DP-5		6 LT & RT	32.717931	-89.0634	698	16-10N-12E		Upland	
DP-6	W-3	6 LT & RT	32.71963	-89.06554	706+50	16-10N-12E	0.28	PEM	0.28 acres of permanent fill associated with added two lanes of road construction
DP-7	W-4	7 LT & RT	32.725	-89.0716	734	8-10E-12E	0.6	PSS	0.05 acres of temporary fill and 0.54 acres permanent fill associated with added two lanes of road construction
DP-8	W-5	9 LT & RT	32.73836	-89.08626	801	8-10N-12E	0.66	PSS	0.07 acres of temporary fill and 0.59 acres permanent fill associated with added two lanes of road construction
DP-9	W-6	10LT & RT-11 LT & RT	32.74702	-89.09504	843	6-10E-12E	1.35	PEM	0.31 acres of temporary fill and 1.14 acres permanent fill associated with new four lane construction.

DP- Data point- collection point for sampling data for wetland assessment

W- Wetland- areas described as wetlands

PF- Palustrine Forested

PEM- Palustrine Emergent

PSS- Palustrine Shrub-Scrub

Station Numbers are approximate

**Wetland Summary:**

	<b>6 Total Present Areas</b>	<b>Acres Permanent Fill</b>	<b>Acres Temporary Fill</b>
<b>Total</b>	<b><u>4.60</u></b>	<b><u>4.17</u></b>	<b><u>0.43</u></b>
<b>Forested</b>	1.62	1.62	0.00
<b>Shrub-Scrub</b>	1.25	1.13	0.12
<b>Emergent:</b>	1.73	1.42	0.31

Table 2. Other Waters Assessment Table

#	Site #	Latitude	Longitude	Sta.	Section-Township-Range	Type	Length in Project Area (feet)	Channel Width (feet)	Name	Impact
1	1	32.73032	-89.07778	762+20	9-10N-12E	E	450	3	NA	400 feet of channel fill & relocate; 392 feet of 54" RCP and 24 feet of riprap; WKS 8 LT&RT
2	1	32.74760	-89.09555	845+00	6-10N-12E	I	450	12	NA	230 feet of DBL 10X8 RCB with 43 feet of 3:1 wingwalls and 100 feet of riprap; 390 feet of channel fill & relocate; WKS 11LT&RT
3	1	32.750	-89.099	858+50	6-10N-12E	E	450	15	NA	111 feet of DBL 14X8 RCB with 43 feet of 3:1 wingwalls and 100 feet of riprap; 154 feet of channel fill & relocate; 11LT&RT
4	1	32.75163	-89.09956	865+00	6-10N-12E	I	350	8	NA	26 feet of DBL 16X10 RCB with 43 feet of 3:1 wingwalls and 155 feet of riprap; WKS 11LT&RT
5	1	33.03031	-89.72562	823+00	5-10N-12E	E	300	2	NA	290 feet of DBL 10X6 RCB with 43 feet of 3:1 wingwalls; 25 feet of riprap; 333 feet of channel fill and relocate; WKS 10 LT&RT
6	1	33.03032	-89.72567	19+00	5-10N-12E	E	100	2	NA	97.42 feet channel fill and relocate; WKS 10A

CA- Channel Assessment- Channel Assessment point location

Type:

P-Perennial

I-Intermittent

E-Ephemeral

OHWM-Ordinary High Water Mark

Station numbers (Sta.) are approximate

CA Summary	Total Present (ft)	New Bridge Shade(ft)	Culvert/ Pipe (ft)	Rip-Rap/ Armor (ft)	Relocate and Fill (ft)	New Channel with rip-rap (ft)
Perennial:	0	0	0		0	0
Intermittent:	901	0	256	255	390	0
Ephemeral:	1926.42	0	793	149	984.42	0
<b>Total (P.I.E.)</b>	<b>2827.42</b>	<b>0</b>	<b>1049</b>	<b>404</b>	<b>1374.42</b>	<b>0</b>

# Roadway and Bridge Plans



**GENERAL INDEX**

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input checked="" 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 checked="" type="checkbox"/> BRIDGE STANDARD DWGS .....	7001
<input checked="" type="checkbox"/> BRIDGE .....	8001
<input checked="" type="checkbox"/> CROSS SECTIONS .....	9001

**BOX BRIDGES REQ'D.**

- (AA) SR19 STA. 845+14.62 (DBL 10'x8')  
LENGTH ALONG C= 23.69'
- (BB) SR19 STA. 858+36.19 (DBL 14'x8')  
LENGTH ALONG C= 30.68' (L.T. EXTENSION)  
LENGTH ALONG C= 30.68' (RT. EXTENSION)
- (CC) SR19 STA. 865+12.03 (DBL 16'x10')  
LENGTH ALONG C= 40.24' (L.T. EXTENSION)  
LENGTH ALONG C= 40.24' (RT. EXTENSION)

**STATE OF MISSISSIPPI**

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. STP-0026-01(080)**

**SR 19 FROM TUCKER TO PHILADELPHIA  
NESHOPA COUNTY**

**101649/302000**

**SCALES**

PLAN	1 IN. = 100 FT.
PROFILE { HOR.	1 IN. = 100 FT.
VERT.	1 IN. = 10 FT.
LAYOUT	1 IN. = 4,000 FT.

**R.O.W. SP-0026-01(080) 101649/202100**

**B.O.P. STA 630+00.00**

**E.O.P. STA 868+00.00**



**CONVENTIONAL SYMBOLS**

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

**EQUATIONS**

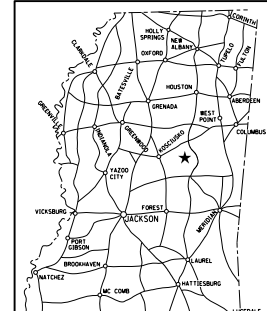
SR 19 - RIGHT LANE ONLY  
PT STA. 661+44.778 BK =  
STA. 661+00.923 AH

**LENGTH DATA**

LENGTH OF ROADWAY	23,844.86 FT.	4.52 MI.
LENGTH OF BRIDGES	0 FT.	0 MI.
LENGTH OF PROJECT (NET)	23,844.86 FT.	4.52 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)	23,844.86 FT.	4.52 MI.

PLANS STAGE	DATE PRINTED
CONCEPTUAL	
PRE-R.O.W.	
FIELD INSPECTION	
DRAFT FINAL ROW	
R.O.W. PLANS TO SMD	
FINAL R.O.W.	
R.O.W. REVISION	
<input checked="" type="checkbox"/> OFFICE REVIEW	B4-16-20

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	STP-0026-01(080)	1



**NOTE**  
★ INDICATES APPROXIMATE LOCATION OF PROJECT.  
LAT. 32°43'51.92"N LONG. 89°04'43.12"W  
(APPROX. MIDDLE OF PROJECT)

**RURAL ARTERIAL DESIGN CONTROL**

65 MPH = V (SPEED DESIGN)

ADT (2020) = 7,200 ; ADT (2040) = 9,700  
 DNV = 1.100 ; D = 60% ; T = 10%

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS

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, CDD SUBMITTED BY ADOT  
 S REQUIRED, SCDD TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)  
 N NO STORMWATER PERMIT REQUIRED (1-1 ACRES)

APPROVED BY:

**P S & E DATE:**

APPROVED:

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

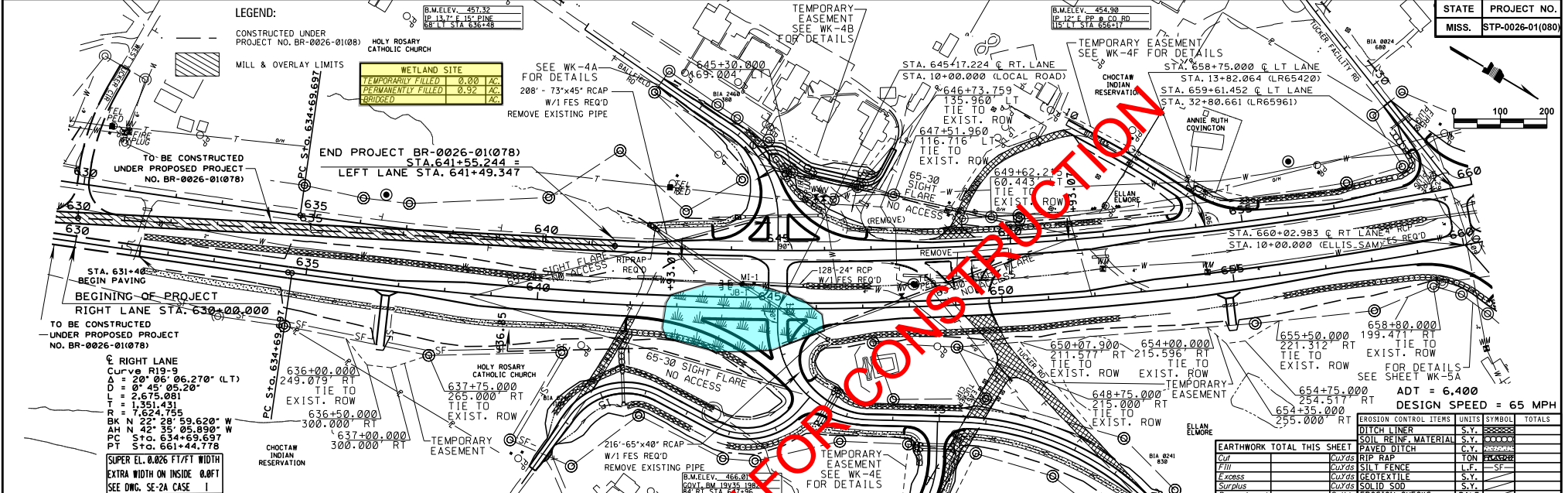
EXECUTIVE DIRECTOR



PRELIMINARY  
NOT FOR  
CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION

2/13/2020 9:29:08 AM C:\MSOFT\STATE\DESIGN\DIVISION\101649\302000\STP-0026-01(080) 101649-102000.DWG

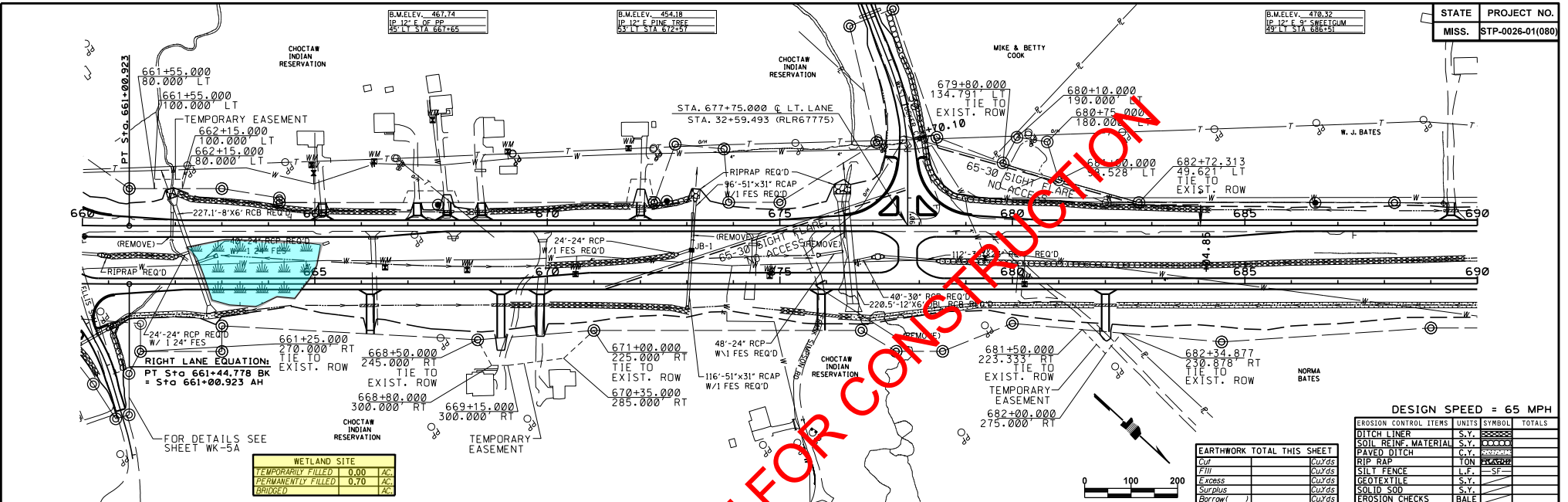


STATION	DESCRIPTION	AMOUNT	CUMULATIVE
630	OVERLAY	449.90	449.90
631		451.81	901.71
632		453.78	1355.49
633		455.32	1810.81
634		456.87	2267.68
635		458.66	2726.34
636		459.93	3186.27
637		461.15	3647.42
638		462.92	4110.34
639		463.05	4573.39
640		464.61	5038.00
641		466.29	5504.29
642		468.50	5972.79
643		469.77	6442.56
644		471.77	6914.33
645		473.76	7388.09
646		475.76	7863.85
647		477.76	8341.61
648		479.76	8821.37
649		481.76	9303.13
650		483.76	9786.89
651		485.76	10272.65
652		487.76	10760.41
653		489.76	11250.17
654		491.76	11741.93
655		493.76	12235.69
656		495.76	12731.45
657		497.76	13229.21
658		499.76	13728.97
659		501.76	14230.73
660		503.76	14734.49

PRELIMINARY NOT FOR CONSTRUCTION

EARTHWORK TOTAL THIS SHEET	EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
Cut	DITCH LINER	S.Y.	XXXXXX	
Fill	SOIL REINFORC. MATERIAL	S.Y.	XXXXXX	
Excess	PAVED DITCH	C.Y.	XXXXXX	
Surplus	RIP RAP	TON	XXXXXX	
Shortage	SILT FENCE	L.F.	XXXXXX	
	GEOTEXTILE	S.Y.	XXXXXX	
	SOIL ID. SOD	S.Y.	XXXXXX	
	EROSION CHECKS	BALE	XXXXXX	





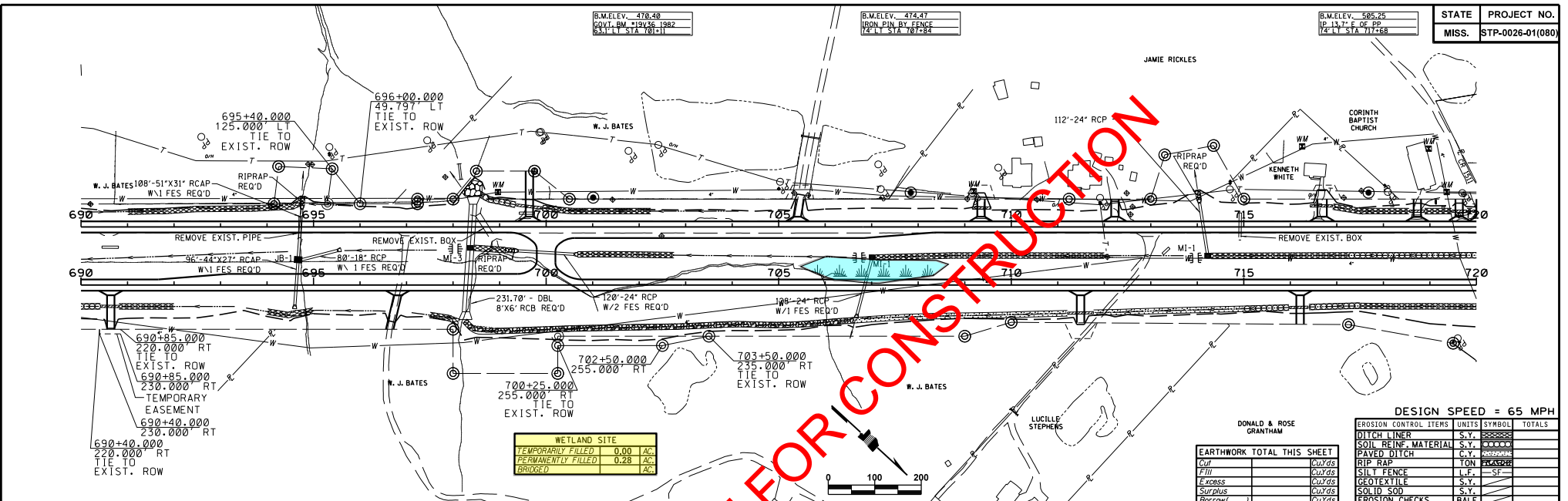
WETLAND SITE	
TEMPORARILY FILLED	0.00 AC
PERMANENTLY FILLED	0.70 AC
BRIDGED	

DESIGN SPEED = 65 MPH

EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
DITCH LINER	S.Y.	SS	
SOIL REINF. MATERIAL	S.Y.	SS	
PAVED DITCH	C.Y.	SS	
RIP RAP	TON	SS	
SILT FENCE	L.F.	SF	
GEOTEXTILE	S.Y.	SF	
SOLID SOD	S.Y.	SF	
EROSION CHECKS	BALE		

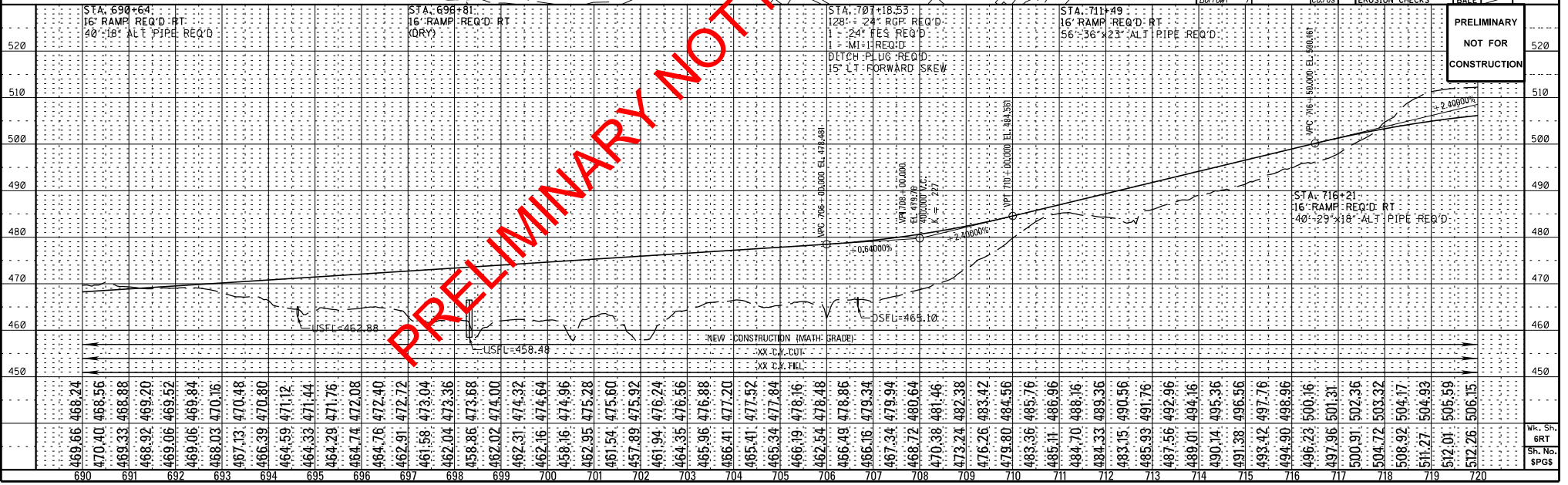
EARTHWORK TOTAL THIS SHEET	
Cut	Cu/Yds
Fill	Cu/Yds
Excess	Cu/Yds
Surplus	Cu/Yds
Borrow	Cu/Yds

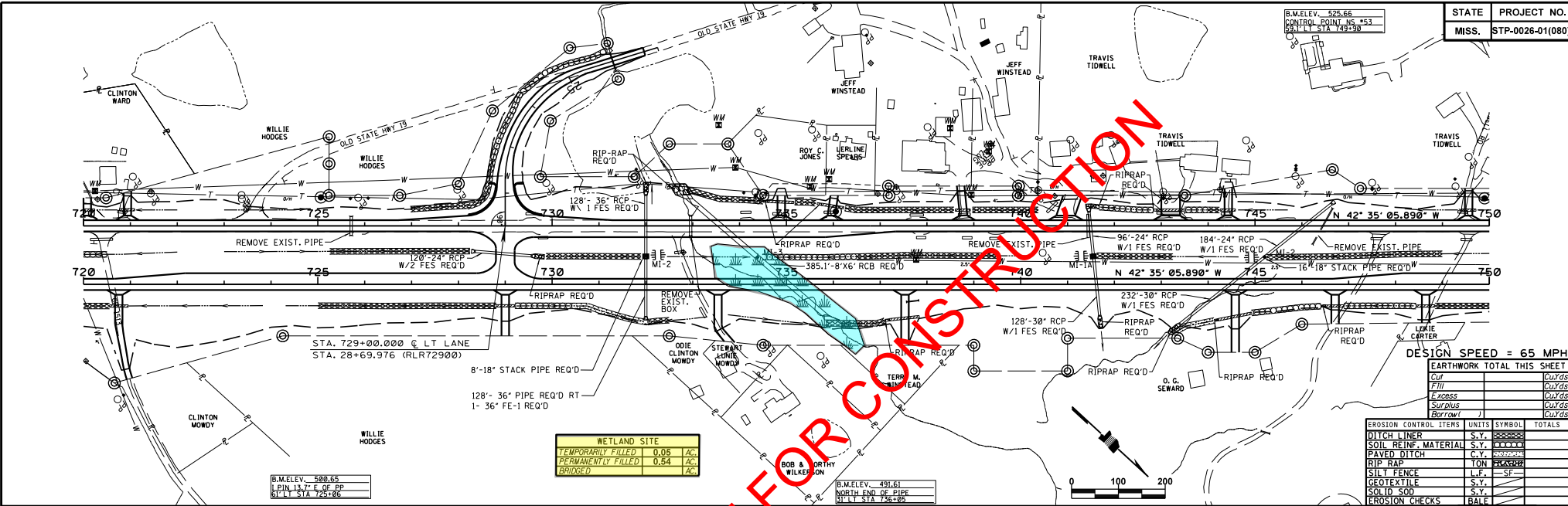
STATION	DESCRIPTION	16" RAMP REQ'D RT	40"-18" ALT. PIPE REQ'D	16" RAMP REQ'D RT	40"-18" ALT. PIPE REQ'D	16" RAMP REQ'D RT	40"-24" ALT. PIPE REQ'D	16" RAMP REQ'D RT	40"-18" ALT. PIPE REQ'D	16" RAMP REQ'D RT	40"-36" ALT. PIPE REQ'D	PRELIMINARY NOT FOR CONSTRUCTION
500												500
490												490
480												480
470												470
460												460
450												450
440												440
430												430
480.41	485.23											
460.06	464.83											
456.50	464.43											
454.01	463.68											
452.20	463.28											
453.07	462.88											
451.83	462.48											
454.12	462.08											
455.05	461.68											
458.25	461.28											
460.72	460.88											
462.84	460.48											
465.26	460.08											
466.62	459.68											
468.03	459.28											
471.35	458.88											
472.17	458.48											
471.63	458.08											
468.73	457.68											
466.83	457.33											
464.59	457.06											
464.44	456.89											
460.79	456.80											
459.35	456.81											
458.14	456.90											
456.43	457.09											
454.23	457.36											
455.81	457.88											
457.85	458.00											
458.69	458.32											
458.64	458.64											
458.41	458.96											
456.29	459.28											
454.77	459.60											
455.03	459.92											
454.93	460.24											
455.57	460.56											
456.73	460.88											
459.70	461.20											
462.06	461.52											
464.45	461.84											
466.21	462.16											
468.67	462.48											
470.59	462.80											
472.00	463.12											
472.66	463.44											
472.03	463.76											
471.76	464.08											
471.91	464.40											
474.03	464.72											
475.51	465.04											
474.85	465.36											
474.01	465.68											
473.43	466.00											
473.88	466.34											
472.08	466.96											
470.65	467.28											
469.35	467.60											
470.04	467.92											
469.66	468.24											



WETLAND SITE	
TEMPORARILY FILLED	0.00 AC.
PERMANENTLY FILLED	0.28 AC.
BRIDGED	0.00 AC.

EARTHWORK TOTAL THIS SHEET		EROSION CONTROL ITEMS		UNITS	SYMBOL	TOTALS
Cut		DITCH LINER	S.Y.			
Fill		SOIL REIN. MATERIAL	S.Y.			
Excess		PAVED DITCH	C.Y.			
Surplus		RIP RAP	TON			
Borrow		SILT FENCE	L.F.			
		GEOTEXTILE	S.Y.			
		SOLID SOD	S.Y.			
		EROSION CHECKS	BALE			



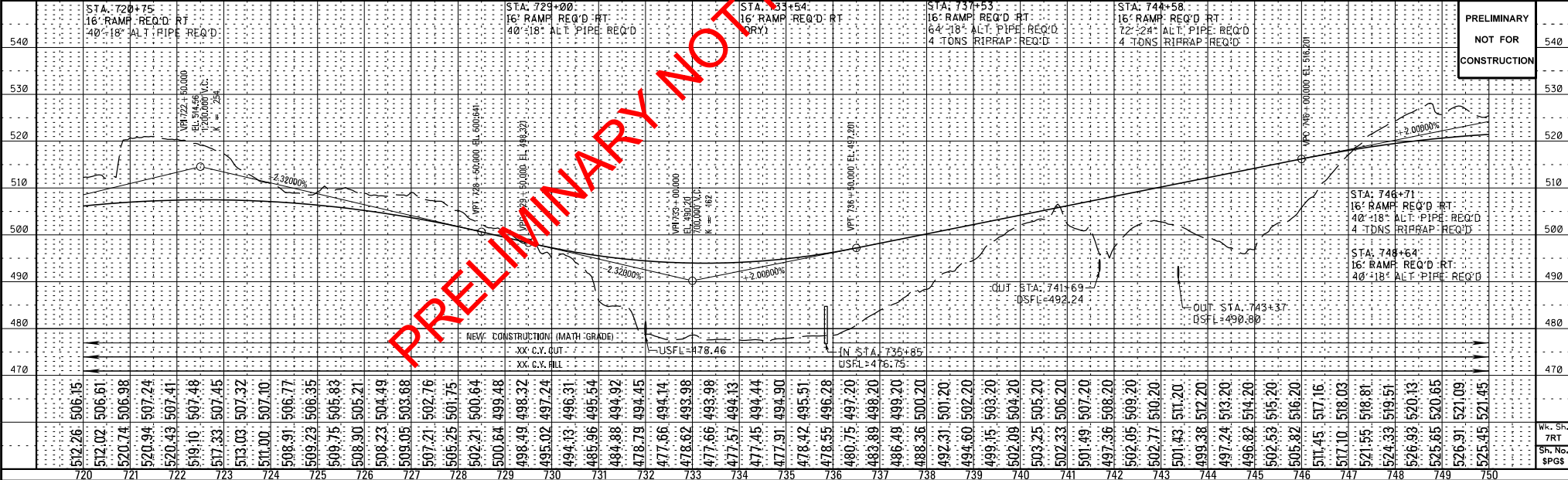


WETLAND SITE	
TEMPORARILY FILLED	0.05 AC.
PERMANENTLY FILLED	0.54 AC.
BRIDGED	AC.

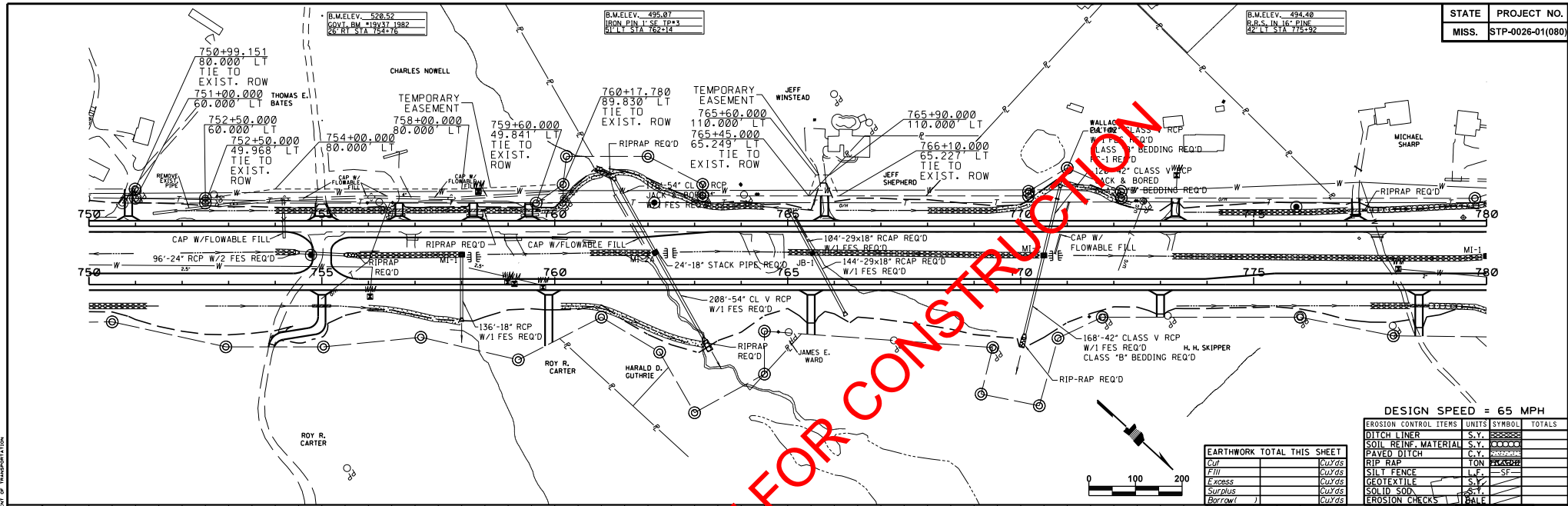
DESIGN SPEED = 65 MPH

EARTHWORK TOTAL THIS SHEET	
Cut	Cut/GS
Fill	Cut/GS
Excess	Cut/GS
Surplus	Cut/GS
Bottom	Cut/GS

EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
DITCH LINER	S.Y.	-----	
SOIL REIN. MATERIAL	S.Y.	-----	
PAVED DITCH	C.Y.	-----	
RIP RAP	TON	-----	
SILT FENCE	LF	-----	
GEOTEXTILE	S.Y.	-----	
SOLID SOD	S.Y.	-----	
EROSION CHECKS	BALE	-----	



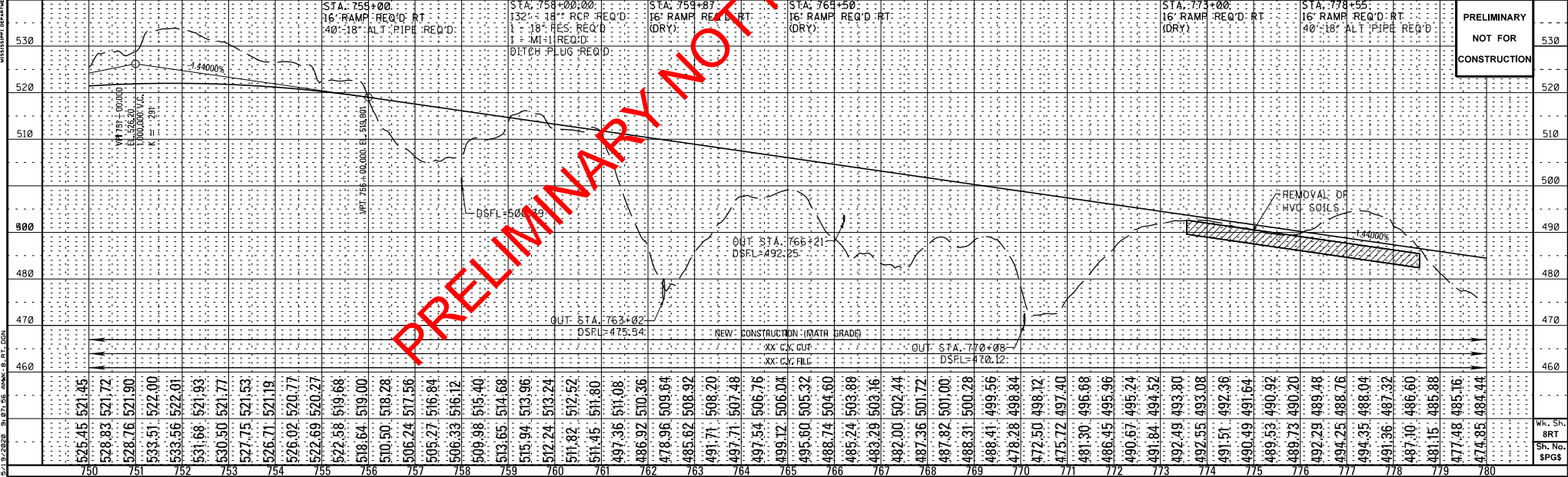
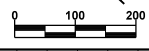
PRELIMINARY  
NOT FOR  
CONSTRUCTION



DESIGN SPEED = 65 MPH

EROSION CONTROL ITEMS	UNITS	SYMBOL	TOTALS
DITCH LINER	S.Y.	XXXXXX	
SOIL REIN. MATERIAL	S.Y.	XXXXXX	
PAVED DITCH	C.Y.	XXXXXX	
RIP RAP	TON	XXXXXX	
SILT FENCE	LF	XXXXXX	
GEOTEXTILE	S.Y.	XXXXXX	
SOLID SOIL	C.Y.	XXXXXX	
EROSION CHECKS	TABLE	XXXXXX	

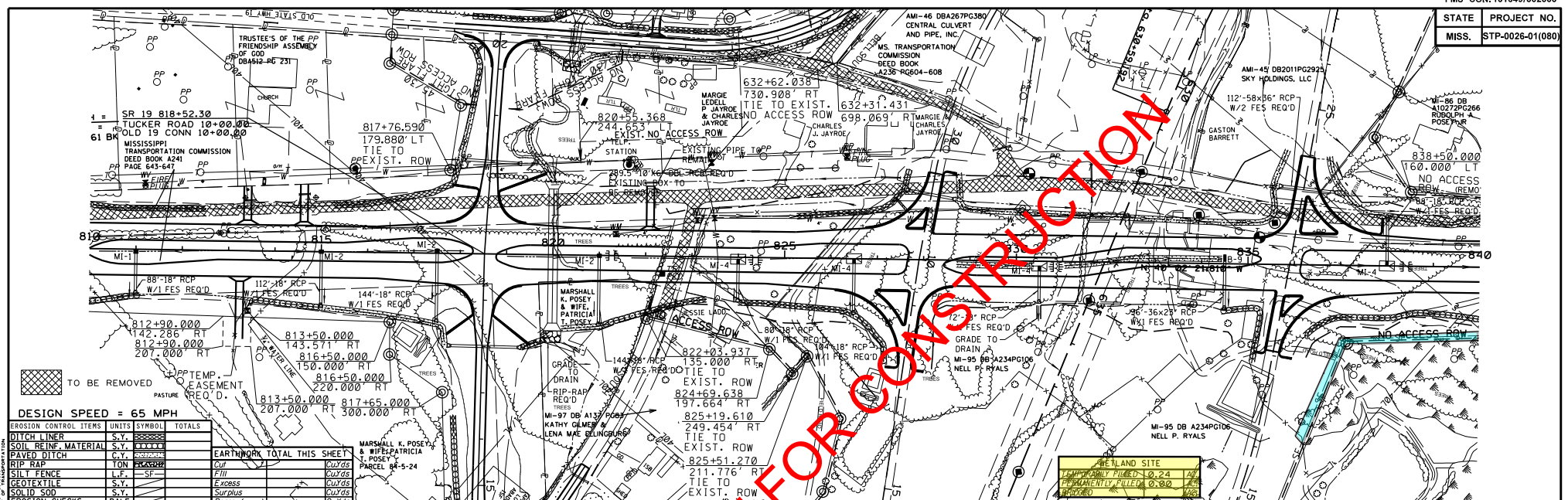
EARTHWORK TOTAL THIS SHEET	
Cut	Cu/Yds
Fill	Cu/Yds
Excess	Cu/Yds
Surplus	Cu/Yds
Shortcut	Cu/Yds



PRELIMINARY NOT FOR CONSTRUCTION

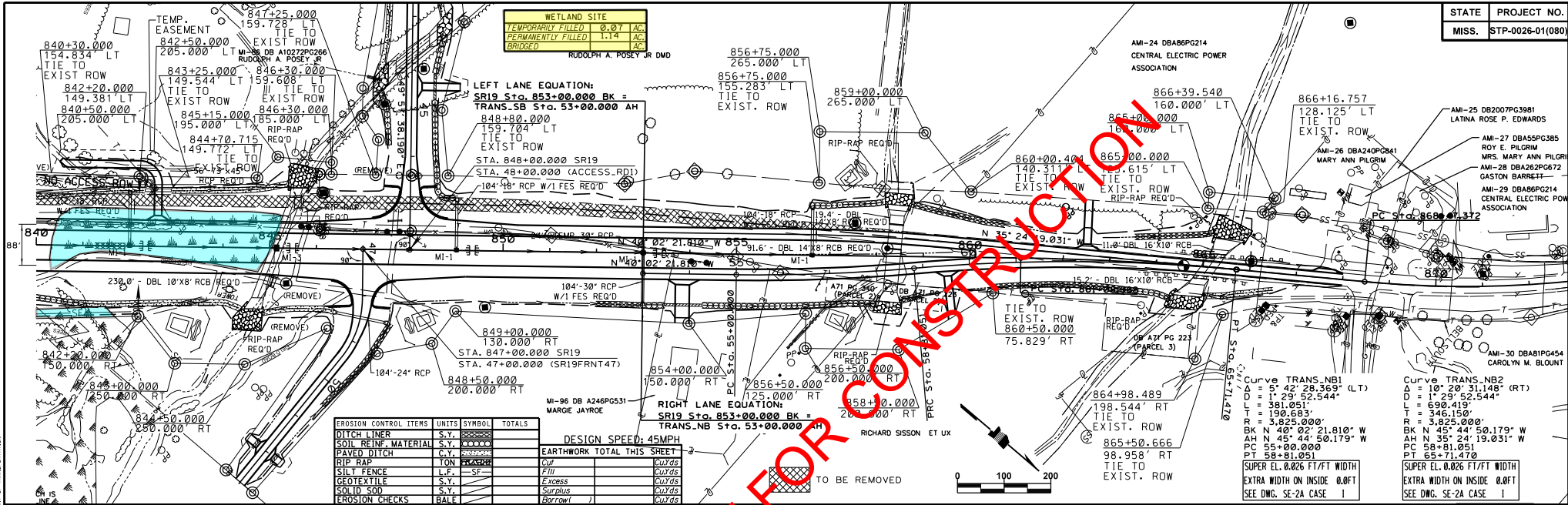
Wk. Sh.  
BRT  
Sh. No.  
SPGS





STATION	DESCRIPTION	QUANTITY	REMARKS	PRELIMINARY
480	STA. 815+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D 8'-18" STACK PIPE REQ'D MI-2 REQ'D DITCH PLUG REQ'D?	324.00 TONS OF RIP RAP 46.88 TONS OF SED. STONE	DITCH REQ'D	480
470	STA. 824+00.00 80'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D	259.20 TONS OF RIP RAP 37.50 TONS OF SED. STONE	DITCH REQ'D	470
460	STA. 836+00.00 104'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			460
450	STA. 844+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			450
440	STA. 852+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			440
430	STA. 860+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			430
420	STA. 868+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			420
410	STA. 876+00.00 112'-18" RCP REQ'D 11'-18" FES REQ'D MI-4 REQ'D			410





PRELIMINARY NOT FOR CONSTRUCTION

STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION		
470		470	STA. 858+31.19 91.6' DBL 14'x8' RCB REQ'D 1'-3" WINGWALL REQ'D 1'-14'x8' PC-1 REQ'D	470	STA. 859+60 16' RAMP REQ'D LT (DR)	470	STA. 864+12.03 15.25' DBL 16'x10' RCB REQ'D 1'-3" WINGWALL REQ'D 1'-16'x10' PC-1 REQ'D	470		470		470		470		470		470		470	
460		460	XX RIPRAP REQ'D EXISTING BOX CULVERT TO REMAIN	460	XX RIPRAP REQ'D EXISTING BOX CULVERT TO REMAIN	460		460		460		460		460		460		460		460	
450		450		450		450		450		450		450		450		450		450		450	
440		440		440		440		440		440		440		440		440		440		440	
430		430		430		430		430		430		430		430		430		430		430	
420		420		420		420		420		420		420		420		420		420		420	
410		410		410		410		410		410		410		410		410		410		410	
400		400		400		400		400		400		400		400		400		400		400	

404 Permit Conditions &  
401 Water Quality Certification



**US Army Corps  
of Engineers.**

Vicksburg District  
4155 Clay Street  
Vicksburg, MS 39183-3435  
www.mvk.usace.army.mil

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# GENERAL PERMIT

FILE NO.: GENERAL PERMIT – 46  
DATE: October 2, 2019  
EXPIRES: October 2, 2024

**FOR: REGULATED ACTIVITIES ASSOCIATED WITH THE DISCHARGE OF DREDGED OR FILL MATERIAL IN WATERS OF THE UNITED STATES AND/OR STRUCTURES OR WORK AFFECTING NAVIGABLE WATERS OF THE UNITED STATES ASSOCIATED WITH THE CONSTRUCTION AND STABILIZATION OF ROADWAY EMBANKMENTS AND BRIDGE ABUTMENTS**

**WHERE: THE STATE OF MISSISSIPPI**

**BY WHOM: DISTRICT ENGINEER, VICKSBURG DISTRICT, ON BEHALF OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION (MDOT)**

The U.S. Army Corps of Engineers (USACE), Vicksburg District, is hereby reissuing a Department of the Army General Permit for the discharge of dredged or fill material in waters of the United States and/or structures or work affecting navigable waters of the United States associated with the construction and stabilization of roadway embankments and bridge abutments performed by or having oversight from MDOT within the State of Mississippi. This General Permit shall authorize activities such as the repair and stabilization of existing roadway embankments and bridge abutments; the installation of additional traffic lanes to existing roadways; the upgrading of bridges and other stream-crossing structures; and, construction along new alignments.

This action is being taken pursuant to Federal regulations printed in the Federal Register on November 13, 1986, concerning permits for activities in waters of the United States (U.S.). These regulations state the U.S. Army Corps of Engineers' responsibility for regulating structures or work in or affecting waters of the United States under Section 10 of the Rivers and Harbors Act of 1899 (30 Stat. 1151; 33 U.S.C. 403); and discharges of dredged and/or fill material into waters of the United States under Section 404 of the Clean Water Act (33 U.S.C. 1344).

An agreement was finalized between MDOT, the Federal Highway Administration

(FHWA), and the U.S. Army Corps of Engineers with concurrence from the appropriate Districts on December 12, 2008, which specifies that all MDOT projects within the State will be evaluated by the Vicksburg District. The address is USACE, Vicksburg District, ATTN: Regulatory Branch, 4155 Clay Street, Vicksburg, Mississippi 39183-3435.

Upon expiration of the agreement, since portions of the State are within jurisdictional boundaries of five United States Army Corps of Engineers Districts (enclosure 1), subsequent authorizations to proceed with work proposed under this General Permit will be granted by letter from the appropriate District within whose boundaries the work will be located. The MDOT will be notified of any changes to the agreement and furnished the mailing address of each district.

This General Permit contains certain limitations intended to protect the environment and natural and cultural resources. Conformance with conditions contained in the General Permit does not necessarily guarantee authorization under this General Permit. In cases where the District Engineer considers it necessary, an application will be required for an individual permit.

Regulated construction, dredging, or fill operations not specifically covered by this General Permit are prohibited unless authorized by a separate permit.

General Permits may be issued for a category or categories of activities when: (1) those activities are substantially similar in nature and cause only minimal individual and cumulative environmental impacts; or (2) the General Permit would result in avoiding unnecessary duplication of the regulatory control exercised by another Federal, State, or local agency, provided it has been determined that the environmental consequences of the actions are individually and cumulatively minimal. The determination that the proposed activities comply with the requirements for the issuance of General Permits was made using information which is available for inspection at the office of the Vicksburg District's Regulatory Branch at 4155 Clay Street, Vicksburg, Mississippi.

In compliance with requirements of Section 401 of the Clean Water Act, the Vicksburg District has obtained water quality certification from the Mississippi Department of Environmental Quality (enclosure 2).

The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the U.S. to the maximum extent practicable at the project site (i.e., on site). Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

In order to compensate for any unavoidable losses of functions of jurisdictional waters of the United States associated with the work authorized by this General Permit; the Mississippi Department of Transportation shall develop a compensatory mitigation plan. The compensatory mitigation plan will be fully described in accordance with 33 CFR

Parts 325 and 332, Compensatory Mitigation for Losses of Aquatic Resources; Final Rule, April 2008.

REQUEST FOR AUTHORIZATION UNDER THE GENERAL PERMIT: IN ORDER TO BE AUTHORIZED BY THIS GENERAL PERMIT, THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION ARE REQUIRED TO SUBMIT TO THE DISTRICT ENGINEER, IN WRITING, THE FOLLOWING INFORMATION A MINIMUM OF 60 DAYS PRIOR TO THE PROPOSED BID ADVERTISEMENT DATE:

a. Statement that the work will be conducted in compliance with the terms and conditions of General Permit 46, will not adversely impact adjoining properties, and will be mitigated for in accordance with the terms of this General Permit.

b. A location map showing the proposed worksite (including Section, Township, Range, and County).

c. A brief description of the proposed worksite in its present condition.

d. For the selected site, a full set of construction plans (including quantities and types of any fill and quantities of any excavation), maps, and engineering drawings for the proposed activity at that site. These shall include a map of sufficient scale that illustrates an "overlay" of the proposed construction/development activity (e.g. construction roads, ditches, parking areas, lay-down pads, temporary work areas, remaining natural areas, etc.) on jurisdictional waters of the U.S.

e. The estimated starting and completion dates of the proposed construction.

f. Name, mailing address, telephone number, and email address, of the person acting as the point of contact for the requested authorization.

g. If wetlands or other waters of the U.S. are to be impacted, the following information is required:

(1) A map delineating the wetlands and other waters of the U.S. and copies of the associated data form(s) for routine wetland determinations from the 1987 Corps of Engineers Wetland Delineation Manual and its subsequent Regional Supplement Manual(s) covering the proposed project area(s).

(2) The type and date of approval of the NEPA documentation by the FHWA and a copy of their findings as required by Executive Order 11990.

h. A discussion of how adverse impacts to waters of the U.S. from the proposed activity will be avoided and minimized to the maximum extent practicable at the construction site.

i. If the loss or conversion to waters of the United States at a single and complete project site exceeds 0.1 acre, the application shall include a compensatory mitigation plan based on an approved wetland functional assessment methodology. Such recommendations should include copies of all factual information (e.g. worksheets) used in performing the calculations of the functional assessment. (Note: The District Engineer will consider this recommendation, however, the District Engineer retains discretionary authority in making the final decision on compensatory mitigation measures).

j. If impacts to a natural waterway at a single and complete project site exceed 100 linear feet, MDOT shall include a compensatory mitigation plan based on an approved stream functional assessment methodology. Such recommendations shall include copies of all factual information (e.g. worksheets) used in performing the calculations of the functional assessment. (Note: The District Engineer will consider this recommendation, however, the District Engineer retains discretionary authority in making the final decision on compensatory mitigation measures).

k. Comments from the Mississippi Department of Wildlife, Fisheries and Parks, Mississippi Department of Archives and History (including the results of any National Historic Preservation Act, Section 106, consultation actions), United States Fish and Wildlife Service (including the results of any Endangered Species Act, Section 7, consultation actions), and the Mississippi Department of Environmental Quality on the project.

l. Concurrence in writing from the Mississippi Department of Marine Resources (related to the Coastal Zone Management Act) and the National Marine Fisheries Service (including the results of any Magnuson-Steven Fisheries Conservation and Management Act, essential fish habitat consultation actions), if the project is located in Hancock, Harrison, or Jackson County, Mississippi. (See Special Condition h. below).

Upon receipt of this information, the District Engineer will: advise MDOT, in writing, either that the work will be evaluated for authorization under the General Permit 46; will request additional information, if needed; or will advise MDOT that the proposed activity will be evaluated as an individual permit.

Special Conditions:

a. No more than 7 acres of wetlands and other waters shall be directly impacted by the placement of fill at each single and complete crossing of a water of the United States where the proposed work involves either upgrading an existing highway within an established corridor or where the work is to be constructed along a new alignment. Any wetlands cut off from their natural hydrologic regime as a result of project work would be considered as directly impacted.

b. For stream or river crossings, discharges of permanent fill material and temporary

fill material shall be the minimum necessary to complete the crossing. The term fill refers to earthen material, riprap, concrete, and any other materials associated with the work.

c. The stabilization or construction work shall not interfere with navigation (including recreational boating) or adversely impact the flow-carrying capacity of the affected waterbody.

d. Material to be used for fill must be nonpolluting and may be obtained either offsite or from site preparation. Offsite material shall not be obtained from wetlands outside the 7-acre limit or from other areas which may adversely affect adjacent wetlands. Any excess material shall be placed in an upland area and properly contained or stabilized to prevent entry into adjacent water-bodies or wetlands.

e. Disturbed areas on the site shall be stabilized to minimize erosion. Stabilization of erodible areas shall be accomplished by seeding or sodding as soon as practicable to restore vegetative cover. If initial re-vegetation is unsuccessful, the area shall be reseeded or re-sodded until re-vegetation is successful. In areas subject to currents, riprap may be required for slope protection.

f. No activity that has the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places, or a site that has previously been unevaluated, shall be authorized by this General Permit until the requirements of Section 106 of the National Historic Preservation Act have been satisfied. Additional fill material should not be taken from a known historical or archaeological site within or outside of regulated areas. If the permittee, during prosecution of work authorized herein, inadvertently discovers or accidentally destroys a cultural resource such as a cemetery, shipwreck, mound, historic structure, or archaeological site, within the area subject to Department of the Army jurisdiction, they must cease work in the immediate area and notify the District Engineer within 24 hours. The District Engineer, in consultation with the appropriate State Historic Preservation Officer and the Federally recognized Tribe, shall comply with the procedures set forth in 33 CFR 325, Appendix C, paragraph 11 (Historic Properties Discovered During Construction).

g. The work shall not occur in a National Wildlife Refuge, State Game Management Area, or other such Federal or State lands, or lands leased to those entities without the appropriate Federal or State authorization in writing.

h. For work within the Mississippi Coastal Zone Management Area, including all areas below Interstate I-10, a set of complete plans shall be sent to the three agencies listed below for review and/or approval as appropriate. Comments and concurrence resulting from this coordination should be submitted with the request for authorization under this General Permit.

1. The Mississippi Department of Marine Resources  
1141 Bayview Avenue  
Suite 101  
Biloxi, Mississippi 39530

2. National Marine Fisheries Service  
Southeast Regional Office  
Protected Resources  
Attention: Ms. Karla Reece  
263 13<sup>th</sup> Ave. S.  
St. Petersburg, Florida 33701  
Email: Karla.reece@noaa.gov

3. National Marine Fisheries Service  
Room 266, Military Science Building  
Attention: Mr. Brandon Howard  
South Stadium Drive  
La. State University  
Baton Rouge, Louisiana 70803-7535

i. All temporary fills must consist of non-erodible material or be protected to prevent erosion.

j. Any materials used for temporary structures such as cofferdams, equipment pads, or temporary crossings, shall be removed as soon as practicable, and the waterway should be restored to preconstruction contours.

k. Disturbance to riparian vegetation shall be kept to a minimum during construction.

l. No activity shall be authorized under this General Permit which is likely to directly or indirectly jeopardize the continued existence of a Federally-listed threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will likely directly or indirectly destroy or adversely modify the critical habitat of such species. No activity shall be authorized under this General Permit which "may affect" a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed. No activity shall be authorized under this General Permit which "may affect" essential fish habitat as identified under Magnuson-Stevens Fishery Conservation and Management Act, unless essential fish habitat consultation addressing the effects of the proposed activity has been completed.

m. Discharges shall not restrict or impede the movement of aquatic species indigenous to the waters.



n. All work shall be performed in a manner that will minimize increased turbidity of the water in the project area and otherwise avoid adverse effects on water quality and aquatic life especially during fish spawning season. This may require avoiding construction activities during the peak spawning months of April, May, and June.

o. The discharge shall not adversely affect a public water supply intake or a National or State Fish Hatchery intake.

p. The discharge shall not contain unacceptable levels of pathogenic organisms (as prescribed in standards set by the Mississippi Department of Environmental Quality) in areas used for water-contact sports.

q. The construction activity shall not result in the permanent diversion or relocation of a stream or a river channel except where needed to align a waterway crossing to avoid potential damage to the roadway. In no case, should any realignment extend beyond 150 feet upstream and 150 feet downstream from the centerline of a crossing structure. The construction activity shall not result in stream flow impediment or drain adjacent wetlands.

r. Authorization under this General Permit is valid until the General Permit expires. Activities authorized under this General Permit which are under construction, or that are under contract to commence by the expiration of this General Permit, will remain authorized provided the activity is completed within 12 months of the date of expiration.

s. Current standards and practices shall be used to determine what type drainage structure is required at a particular stream crossing (box culvert, bridge, etc.).

t. To minimize potential adverse impacts to wetlands within the right-of-way or associated with the project, the Mississippi Department of Transportation shall incorporate into each project's design all practicable measures to:

- (1) Minimize impact on hydrology in wetland areas.
- (2) Minimize potential for toxic spills and leaching into wetland areas.
- (3) Minimize discharge of materials, such as silt, into wetlands.
- (4) Maintain adequate flow through wetlands by providing culverts, ditches, and other hydrologic structures.
- (5) Provide berms, traps, or ditches to direct potential toxic spills away from wetlands.
- (6) Provide for animal migration to and from wetland areas or habitat corridors.

(7) Provide erosion and sediment control features throughout the construction phase of a project which will minimize both short- and long-term impacts to water quality.

(8) Provide treatment facilities which may be required to treat highway runoff which would otherwise adversely affect wetlands.

(9) Provide contractual provisions for stopwork orders, project staging, and other specifications pertaining to minimizing impacts on wetlands and to onsite monitoring.

General Conditions:

a. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

b. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

c. This permit does not grant any property rights or exclusive privileges.

d. This permit does not authorize any injury to the property or rights of others.

e. This permit does not authorize interference with any existing or proposed Federal project.

f. In issuing this permit, the Federal Government does not assume any liability for the following:

(1) Damages to the permitted project, or uses thereof, as a result of other permitted or unpermitted activities or from natural causes.

(2) Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

(3) Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

(4) Design or construction deficiencies associated with the permitted work.

(5) Damage claims associated with any future modification, suspension, or revocation of this permit.

g. In issuing individual authorizations under this General Permit, the Government shall rely on the information and data which the permittee provides in connection with

the permit application. If, subsequent to the authorization, such information and data prove to be false, incomplete, or inaccurate, this authorization may be modified, suspended, or revoked, in whole or in part, and/or the Government may, in addition, institute appropriate legal proceedings.

h. This office may re-evaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

(1) Failure to comply with the terms and conditions of this permit.

(2) The information provided in support of a request for authorization proves to have been false, incomplete, or inaccurate (See g. above).

(3) Significant new information surfaces which was not considered in reaching the original public interest decision.

i. The General Permit is valid for 5 years from the date of the issuance. At the end of that time, the cumulative environmental effects of completed work will be reviewed and reissuance of the permit may be considered. However, if unforeseen adverse environmental effects result from the issuance of this General Permit, it may be modified or terminated at any time.

j. Authorization under this General Permit is valid until the General Permit expires. Activities authorized under this General Permit which are under construction, or that are under contract to commence by the expiration of this General Permit, will remain authorized provided the activity is completed within 12 months of the date of expiration.



Cori Carraway  
Acting Chief, Regulatory Branch





STATE OF MISSISSIPPI  
PHIL BRYANT  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
GARY C. RIKARD, EXECUTIVE DIRECTOR  
January 30, 2019

Certified Mail No. 7017 0530 0000 5971 7466

Ms. Jennifer Mallard  
U.S. Army Corps of Engineers  
Vicksburg District  
4155 Clay Street  
Vicksburg, Mississippi 39183-3435

Dear Ms. Mallard:

Re: U. S. Army Corps of Engineers  
Vicksburg District  
General Permit 46. MDOT  
Warren County  
COE No. MVK20180808  
WQC No. WQC2018047

Pursuant to Section 401 of the Federal Water Pollution Control Act (33 U. S. C. 1251, 1341), the Office of Pollution Control (OPC) issues this Certification, after public notice and opportunity for public hearing, to the U.S. Army Corps of Engineers, Vicksburg District, an applicant for a Federal License or permit to conduct the following activity:

U.S. Army Corps of Engineers, Vicksburg District, General Permit 46: Proposed reissuance of a statewide General Permit for the discharge of dredged or fill material in waters of the United States and/or structures or work affecting navigable waters of the United States associated with the construction and stabilization of roadway embankments and bridge abutments. This General Permit would authorize activities such as the repair and stabilization of existing roadway embankments and bridge abutments; the installation of additional traffic lanes to existing roadways; the upgrading of bridges and other stream-crossing structures; and construction along new alignments.

This proposed General Permit contains certain limitations intended to protect the environment and natural and cultural resources. Conformance with conditions contained in the General Permit does not necessarily guarantee authorization under this General Permit. In cases where the District Engineer considers it necessary, an application will be required for an individual permit. Regulated construction, dredging, or fill operations not specifically authorized by this General Permit would be prohibited unless authorized by a separate permit.

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OFFICE OF POLLUTION CONTROL

AN EQUAL OPPORTUNITY EMPLOYER

(ENCL 2)

General Permits may be issued for a category or categories of activities when: (1) those activities are substantially similar in nature and cause only minimal individual and cumulative environmental impacts; or (2) the General Permit would result in avoiding unnecessary duplication of the regulatory control exercised by another Federal, State, or local agency, provided it has been determined that the environmental consequences of the actions are individually and cumulatively minimal.

In order to be authorized by this General Permit, the Mississippi Department of Transportation would be required to submit to the District Engineer in writing, the following information a minimum of 60 days prior to the proposed bid advertisement date:

- a. Statement that the work would be conducted in compliance with the terms and conditions of General Permit 46, would not adversely impact adjoining properties, and would be mitigated for in accordance with the terms of this General Permit.
- b. A location map showing the proposed worksite (including Section, Township, Range, and County).
- c. A brief description of the proposed worksite in its present condition.
- d. For the selected site, a full set of construction plans (including quantities and types of any fill and quantities of any excavation), maps, and engineering drawings for the proposed activity at that site. These shall include a map of sufficient scale that illustrates an "overlay" of the proposed construction/development activity (e.g. construction roads, ditches, parking areas, lay-down pads, temporary work areas, remaining natural areas, etc.) on jurisdictional waters of the U.S.
- e. The estimated starting and completion dates of the proposed construction.
- f. Name, mailing address, telephone number, and email address of the person acting as the point of contact for the requested authorization.
- g. If wetlands or other waters of the U.S. are to be impacted, the following information is required:
  - (1) A map delineating the wetlands and other waters of the U.S. and copies of the associated data form(s) for routine wetland determinations from the 1987 Corps of Engineers Wetland

Delineation Manual and its subsequent Regional Supplement Manual(s) covering the proposed project area(s).

- (2) The type and date of approval of the NEPA documentation by the FHWA and a copy of their findings as required by Executive Order 11990.
- h. A discussion of how adverse impacts to waters of the U.S. from the proposed activity will be avoided and minimized to the maximum extent practicable at the construction site.
- i. If the loss or conversion to waters of the United States at a single and complete project site exceeds 0.1 acre, the application shall include a compensatory mitigation plan based on an approved wetland functional assessment methodology. Such recommendations should include copies of all factual information (e.g. worksheets) used in performing the calculations of the functional assessment. (Note: The District Engineer will consider this recommendation; however, the District Engineer retains discretionary authority in making the final decision on compensatory mitigation measures).
- j. If impacts to a natural waterway at a single and complete project site exceed 100 linear feet, MDOT would include a compensatory mitigation plan based on an approved stream functional assessment methodology. Such recommendations would include copies of all factual information (e.g. worksheets) used in performing the calculations of the functional assessment. (Note: The District Engineer will consider this recommendation, however, the District Engineer retains discretionary authority in making the final decision on compensatory mitigation measures).
- k. Comments from the Mississippi Department of Wildlife, Fisheries and Parks, Mississippi Department of Archives and History (including the results of any National Historic Preservation Act, Section 106, consultation actions), United States Fish and Wildlife Service (including the results of any Endangered Species Act, Section 7, consultation actions), and the Mississippi Department of Environmental Quality on the project.
- l. Concurrence in writing from the Mississippi Department of Marine Resources (related to the Coastal Zone Management Act) and the National Marine Fisheries Service (including the results of any Magnuson-Steven Fisheries Conservation and Management Act, essential fish habitat consultation actions) if the project is located in

Hancock, Harrison, or Jackson County, Mississippi. (See Special Condition h. below).

Upon receipt of this information the District Engineer will: advise MDOT, in writing, either that the work will be evaluated for authorization under the General Permit 46; will request additional information, if needed; or will advise MDOT that the proposed activity will be evaluated as an individual permit.

Special Conditions of the General Permit:

- a. No more than 7 acres of wetlands and other waters would be directly impacted by the placement of fill at each single and complete crossing of a water of the United States where the proposed work involves either upgrading an existing highway within an established corridor or where the work is to be constructed along a new alignment. Any wetlands cut off from their natural hydrologic regime as a result of project work would be considered as directly impacted.
- b. For stream or river crossings, discharges of permanent fill material and temporary fill material would be the minimum necessary to complete the crossing. The term fill refers to earthen material, riprap, concrete, and any other materials associated with the work.
- c. The stabilization or construction work would not interfere with navigation (including recreational boating) or adversely impact the flow-carrying capacity of the affected waterbody.
- d. Material to be used for fill must be nonpolluting and may be obtained either offsite or from site preparation. Offsite material would not be obtained from wetlands outside the 7-acre limit or from other areas which may adversely affect adjacent wetlands. Any excess material would be placed in an upland area and properly contained or stabilized to prevent entry into adjacent waterbodies or wetlands.
- e. Disturbed areas on the site would be stabilized to minimize erosion. Stabilization of erodible areas would be accomplished by seeding or sodding as soon as practicable to restore vegetative cover. If initial re-vegetation is unsuccessful, the area would be reseeded or re-sodded until re-vegetation is successful. In areas subject to currents, riprap may be required for slope protection.
- f. No activity that may adversely affect a site listed in or eligible for listing in the National Register of Historic Places would be authorized by this General Permit until the requirements of Section 106 of the National Historic Preservation Act have been satisfied. Additional material would not be taken from a known historical or archaeological site. If you discover any previously



unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by this permit, you must immediately notify the District Engineer of what you have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The District Engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

- g. The work would not occur in a National Wildlife Refuge, State Game Management Area, or other such Federal or State lands, or lands leased to those entities without the appropriate Federal or State authorization in writing.
- h. For work within the Mississippi Coastal Zone Management Area, including all areas below Interstate I-10, a set of complete plans would be sent to the two agencies listed below for review and/or approval as appropriate. Comments and concurrence resulting from this coordination would be submitted with the request for authorization under this General Permit.
  - 1. Mississippi Department of Marine Resources  
1141 Bayview Avenue  
Suite 101  
Biloxi, Mississippi 39530
  - 2. National Marine Fisheries Service  
Southeast Regional Office  
Protected Resources  
Attention: Ms. Karla Reece  
263 13th Avenue S.  
St. Petersburg, Florida 33701  
Email: [Karla.reece@noaa.gov](mailto:Karla.reece@noaa.gov)
  - 3. National Marine Fisheries Service  
Room 266, Military Science Building  
Attention: Mr. Brandon Howard  
South Stadium Drive  
La. State University  
Baton Rouge, Louisiana 70803-7535
- i. All temporary fills must consist of non-erodible material or be protected to prevent erosion.
- j. Any materials used for temporary structures such as cofferdams, equipment pads, or temporary crossings, would be removed as soon as practicable, and the waterway would be restored to preconstruction contours.

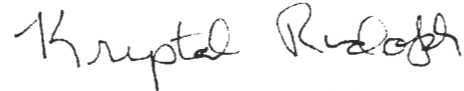
- k. Disturbance to riparian vegetation would be kept to a minimum during construction.
- l. No activity shall be authorized under this General Permit which would likely directly or indirectly jeopardize the continued existence of a Federally-listed threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which would likely directly or indirectly destroy or adversely modify the critical habitat of such species. No activity shall be authorized under this General Permit which "may affect" a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed. No activity shall be authorized under this General Permit which "may affect" essential fish habitat as identified under Magnuson-Stevens Fishery Conservation and Management Act, unless essential fish habitat consultation addressing the effects of the proposed activity has been completed.
- m. Discharges would not restrict or impede the movement of aquatic species indigenous to the waters.
- n. All work would be performed in a manner that would minimize increased turbidity of the water in the project area and otherwise avoid adverse effects on water quality and aquatic life especially during fish spawning season. This may require avoiding construction activities during the peak spawning months of April, May, and June.
- o. The discharge would not adversely affect a public water supply intake or a National or State Fish Hatchery intake.
- p. The discharge would not contain unacceptable levels of pathogenic organisms (as prescribed in standards set by the Mississippi Department of Environmental Quality) in areas used for water-contact sports.
- q. The construction activity would not result in the permanent diversion or relocation of a stream or a river channel except where needed to align a waterway crossing to avoid potential damage to the roadway. In no case, would any realignment extend beyond 150 feet upstream and 150 feet downstream from the centerline of a crossing structure. The construction activity would result in neither stream flow impediment nor drain adjacent wetlands.
- r. Authorizations under this General Permit would be valid for five (5) years from the date of the authorizing letter.

2. Prior to the start of construction activities, coverage under a Stormwater Construction General NPDES Permit shall be obtained. No construction activities shall begin until such approvals are obtained.
3. Extreme care shall be taken to prevent the permanent restriction or impedance of water flow. Pre-construction hydrology shall be maintained.
4. All stream impacts (including streams identified as ephemeral by the U.S. Army Corps of Engineers and described as non-relatively permanent waters) shall be mitigated in kind with stream mitigation elements. In the event that stream mitigation is not available and alternate mitigation proposals are provided, a pre-construction notification shall be provided to MDEQ and 10 working days shall be allowed to provide comments.
5. A pre-construction notification shall be provided to MDEQ for projects that include channel work within waterways found on the latest version of the State of Mississippi's Section 303(d) List of Impaired Water Bodies for sediment or biological impairment or waterways with a completed Total Maximum Daily Load (TMDL) for sediment or biological impairment. This notification shall include the following:
  - a. Justification of why the impacts cannot be avoided;
  - b. Proposed best management practices that would minimize the impacts to receiving sensitive waters; and
  - c. Compensatory mitigation primarily along the same reach of stream or on another impaired stream within the same drainage basin.
6. The turbidity outside the limits of a 750-foot mixing zone shall not exceed the ambient turbidity by more than 50 Nephelometric Turbidity Units.
7. No sewage, oil, refuse, or other pollutants shall be discharged into the watercourse.

The Office of Pollution Control also certifies that there are no limitations under Section 302 nor standards under Sections 306 and 307 of the Federal Water Pollution Control Act which are applicable to the applicant's above-described activity.

This certification is valid for the project as proposed. Any deviations without proper modifications and/or approvals may result in a violation of the 401 Water Quality Certification. If we can be of further assistance, please contact us.

Sincerely,



Krystal Rudolph, P.E., BCEE  
Chief, Environmental Permits Division

KR: chb

cc: Tony Lobred, U.S. Army Corps of Engineers, Vicksburg District  
Willa Brantley, Department of Marine Resources  
David Felder, U.S. Fish and Wildlife Service  
Molly Martin, Environmental Protection Agency