

**SECTION 905 -- PROPOSAL (CONTINUED)**

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u>  1  </u>	DATED <u>  5/14/2024  </u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____

Number	Description
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1	Revised Table of Contents; Add NTB No. 1434; Added SP Nos. 907-618-12, 907-803-5 & 907-804-13; Revised Bid Items; Added or Revised Plan Sheet Nos. 2, 6-8, 10, 12-14; Amendment EBSx Download Required.
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TOTAL ADDENDA:   1    
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

BY \_\_\_\_\_  
Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of \_\_\_\_\_ and the names, titles and business addresses of the executives are as follows:

_____ President	_____ Address
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_____ Secretary	_____ Address
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_____ Treasurer	_____ Address
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The following is my (our) itemized proposal.

BR-1681-00(025)/ 106102301000

Carroll County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET  
OF SECTION 905 AS ADDENDA)

05/14/2024 08:40 AM

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1434**

**CODE: (IS)**

**DATE: 03/06/2019**

**SUBJECT: Erosion Control Plan**

Bidders are advised that the Best Management Practices (BMPs) shown at sensitive areas on the Erosion Control Sheets in the Plans shall be shown on the Contractor's Erosion Control Plan and shall be used in the field as indicated on the original plans sheets. Should the installation of these BMPs produce an unsatisfactory result, the Contractor shall submit to the Engineer alternate BMPs for approval. Once approved, the Contractor shall revise the Contractor's Erosion Control Plan to include these changes.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-618-12

CODE: (SP)

DATE: 05/03/2024

SUBJECT: Traffic Control Management

Section 618, Maintenance of Traffic and Traffic Control Plan, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

## **907-618.01--Description.**

**907-618.01.2--Traffic Control Management.** Delete subparagraph (g) of Subsection 618.01.2 on page 441, and substitute the following.

- g) Perform a minimum of once-a-week inspections from the Notice to Proceed until a Partial or Final Maintenance Release is obtained. Once work begins, daily daytime inspections and weekly nighttime inspections are required on projects with predominantly daytime work, and daily nighttime inspections and weekly daytime inspections are required on projects with predominantly nighttime work. Weekly inspections will be allowed for periods outside of active construction. When lane closures are present or any non-fixed signs or traffic handling devices such as cones or barrels are in place, inspections shall be performed daily whether work is being performed or not.

**907-618.05--Basis of Payment.** Delete pay item 618-A on page 449 and substitute the following.

907-618-A: Maintenance of Traffic

- lump sum

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-803-5

CODE: (IS)

DATE: 01/08/2020

SUBJECT: Test Piles

Section 803, Deep Foundations, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

## **907-803.03--Construction Requirement**

### **907-803.03.1--Driven Piles.**

#### **907-803.03.1.9--Determination of Bearing Value of Piling.**

##### **907-803.03.1.9.3--Determination of Bearing Value by PDA Monitoring (Dynamic Load Testing).**

###### **907-803.03.1.9.3.3--PDA Monitored Driving and/or Restrike of Piling.**

**907-803.03.1.9.3.3.3--Driving Requirements.** Delete the first two sentences of the first paragraph of Subsection 803.03.1.9.3.3.3 on page 907, and substitute the following.

Piles to be used in the determination of pile bearing by PDA monitoring shall be driven with PDA instrumentation attached to the pile and shall have a PDA monitored 1-day restrike performed after the initial pile driving. The Engineer may modify the waiting periods that are required before the restrikes are performed. The Engineer may require additional restrikes after the 1-day restrike if deemed necessary when it is determined pile bearing requirements have not be met. Additional restrikes required by the Engineer will be paid for as a Pile Restrike.

###### **907-803.04--Method of Measurement.**

**907-803.04.12--PDA Test Pile.** Delete the second paragraph of Subsection 803.04.12 on page 932 and substitute the following.

Completion of this pay item shall include the 1-day restrike after initial driving and individual components will not be considered separately. Any additional restrike required by the Engineer on this type test pile will be paid for as a Pile Restrike.

###### **907-803.05--Basis of Payment.**

**907-803.05.2--Conventional Pile Load Tests.** Delete the paragraph in Subsection 803.05.2 on page 933 and substitute the following.

Conventional static pile load tests, measured as prescribed above, will be paid for at the contract fixed unit price per each.

Delete pay items 803-B, 803-I, and 803-J on page 935 and substitute the following.

- 907-803-B: Conventional Static Pile Load Test - per each
- 907-803-I: PDA Test Pile - per each
- 907-803-J: Pile Restrike - per each

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-804-13

CODE: (IS)

DATE: 11/21/2023

SUBJECT: Concrete Bridges and Structures

Section 804, Concrete Bridges and Structures, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

## 907-804.02--Materials.

### 907-804.02.3--Non-Quality Control / Quality Assurance Concrete.

Delete the third sentence of the first paragraph on page 936 and substitute the following.

The Contractor is required to submit mixture designs to accomplish this work in accordance with Section 907-799 and perform normal Quality Control functions in accordance with Table 4, Contractor's Minimum Requirements for Quality Control, Items A and B in Subsection 907-804.02.12.5.

Add the following to the list of concrete items on page 937 that are not accepted based on the Quality Control / Quality Assurance (QC/QA) requirements.

<u>Section</u>	<u>Description</u>
502	Concrete Bridge-End Pavement
504	Fiber-Reinforced Concrete Pavement
610	High Tension Cable Barrier

907-804.02.6--Classification and Uses of Concrete. Delete the contents of Subsection 804.02.6 on pages 937 and 938 and substitute the following.

When a specific class of concrete is not specified on the plans or in the contract documents, the structure or parts thereof shall be constructed with the class of concrete as directed by the Engineer.

The classes of hydraulic cement concrete (concrete) mixtures are as follows:

- 1) Class AA - Concrete for bridge construction and concrete exposed to seawater.
- 2) Class B - General use, heavily reinforced sections, cast-in-place concrete piles, and conventional concrete piles.
- 3) Class BD - Concrete for bridge decks.
- 4) Class BDx - Extra strength concrete for bridge decks.
- 5) Class BDO - Concrete for bridge deck overlay.
- 6) Class C - Massive sections or lightly reinforced sections.
- 7) Class D - Massive unreinforced sections and riprap.



- 8) Class F - Concrete for prestressed members.
- 9) Class DS - Concrete for drilled shafts.
- 10) Class FX - Extra strength concrete for prestressed members, as shown on plans.
- 11) Class PA - Concrete paving.
- 12) Class PO - Concrete for repair of concrete paving.
- 13) Class PP - Concrete for special design requirements.
- 14) Class S - For all seal concrete deposited under water.
- 15) Class WT - Fiber-reinforced concrete pavement.

The classes of concrete and their general uses are listed in Subsection 907-799.01.

**907-804.02.8--Laboratory Accreditation.** Delete the first paragraph of Subsection 804.02.8 on page 938, and substitute the following.

The Contractor shall be responsible for furnishing the laboratory used to perform concrete quality control tests. The laboratory shall be either the Contractor’s facility, the concrete producer’s facility, or a certified independent testing laboratory subcontracted by the concrete producer.

**Table 1**

AASHTO: R 39	Making and Curing Concrete Test Specimens in the Laboratory
AASHTO: R 60	Sampling Freshly Mixed Concrete
AASHTO: R 76	Sampling Aggregates
AASHTO: R 100	Making and Curing Concrete Test Specimens in the Field
AASHTO: T 19	Bulk Density (“Unit Weight”) and Voids in Aggregates
AASHTO: T 22	Compressive Strength of Cylindrical Concrete Specimens
AASHTO: T 27	Sieve Analysis of Fine and Coarse Aggregates
AASHTO: T 84	Specific Gravity and Absorption of Fine Aggregate
AASHTO: T 85	Specific Gravity and Absorption of Coarse Aggregate
AASHTO: T 119	Slump of Hydraulic Cement Concrete
AASHTO: T 121	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
AASHTO: T 152	Air Content of Freshly Mixed Concrete by Pressure Method *
AASHTO: T 196	Air Content of Freshly Mixed Concrete by the Volumetric Method *
AASHTO: T 231	Capping Cylindrical Concrete Specimens
AASHTO: T 248	Reducing Field Samples of Aggregate to Testing Size
AASHTO: T 255	Total Evaporable Moisture Content of Aggregate by Drying
AASHTO: T 325	Standard Method of Test for Estimating the Strength of Concrete in Transportation Construction by Maturity Tests **
AASHTO: T 309	Temperature of Freshly Mixed Portland Cement Concrete
ASTM: C 1074	Standard Practice for Estimating Concrete Strength by the Maturity Method **

\* Equipment necessary for either pressure or volumetric air content.

\*\* Equipment necessary for estimating concrete strength following the maturity method.

Table 2

Concrete Technician’s Tasks	Test Method Required	Certification Required**
Sampling or Testing of Plastic Concrete	AASHTO R 60, R 100, T 119, T 121, T 152, T 196, and T 309	MDOT Class I certification
Compressive Strength Testing of Concrete Cylinders	AASHTO T 22 and T 231	MDOT Concrete Strength Testing Technician certification
Sampling of Aggregates	AASHTO R 76	Work under the supervision of a MDOT Class II certified technician
Testing of Aggregates	AASHTO T 19, T 27, T 84, T 85, T 248, and T 255	MDOT Class II certification
Proportioning of Concrete Mixtures*	AASHTO M 157 and R 39	MDOT Class III certification
Interpretation and Application of Maturity Meter Readings	AASHTO T 325 and ASTM C 1074	Two hours maturity method training

\* Technicians making concrete test specimens for meeting the requirements of Subsection 804.02.10.1.2 shall be MDOT Class I certified and under the direct supervision of an MDOT Class III certified technician.

\*\* MDOT Class I certification encompasses the same test procedures and specifications as ACI Concrete Field Testing Technician-Grade I. MDOT Class II certification encompasses the same test procedures and specifications as ACI Aggregate Testing Technician-Level 1. MDOT Concrete Strength Testing Technician encompasses the same test procedures and specifications as ACI Concrete Strength Testing certification.

Delete Subsection 804.02.10 on pages 940 thru 946, and substitute the following.

**907-804.02.10--Hydraulic Cement Concrete Mixture Design.** The hydraulic cement concrete mixture design shall meet the requirements in Section 907-799 for the applicable Class of concrete.

**907-804.02.12--Contractor’s Quality Control.**

**907-804.02.12.1--Quality Control Plan.**

**907-804.02.12.1.1--Elements of Plan.** Delete Item (d) (3) in Subsection 804.02.12.1.1 on page 947, and substitute the following.

- (3) If the Contractor elects to utilize Job Site Batch Adjustments by Addition of Chemical Admixture within Item 2, the procedures outlined in the Contractor’s Quality Control Plan for Job Site Batch Adjustments shall be followed.

**907-804.02.12.2--Personnel Requirements.** Delete the two paragraphs in Subsection 804.02.12.2 on page 948, and substitute the following.

The Contractor’s Designated Certified Technician shall either be an employee of the Contractor, an employee of the concrete producer, or an employee of the certified independent testing

laboratory subcontracted by the concrete producer. The Contractor's Designated Certified Technician shall perform and use quality control tests and other quality control practices to assure that delivered materials and proportioning meet the requirements of the mixture design including temperature, slump, total air content, unit weight, and strength and shall periodically inspect all equipment used in transporting, proportioning, and mixing.

The Contractor shall periodically inspect all equipment used placing, consolidating, finishing, and curing to assure it is operating properly and that placement, consolidation, finishing, and curing conform to the mixture design and other contract requirements.

**907-804.02.12.5--Non-Conforming Materials.** Delete Table 4 on page 950, and substitute the following.

**Table 4  
CONTRACTOR’S MINIMUM REQUIREMENTS FOR QUALITY CONTROL**

<b>Hydraulic Cement Concrete</b>		
<b>Control Requirement</b>	<b>Frequency</b>	<b>AASHTO/ASTM</b>
<b>A. PLANT AND TRUCKS</b> 1. Mixer Blades 2. Scales a. Tared b. Calibrate c. Check Calibration 3. Gauges & Meters - Plant & Truck a. Calibrate b. Check Calibration 4. Admixture Dispenser a. Calibrate b. Check Operation & Calibration	Monthly  Daily Every 6 months Weekly  Every 6 months Weekly  Every 6 months Daily	
<b>B. AGGREGATES</b> 1. Sampling 2. Fine Aggregate a. Gradation / FM b. Moisture c. Specific Gravity / Absorption 3. Coarse Aggregates a. Gradation b. Moisture  c. Specific Gravity / Absorption	250 yd <sup>3</sup> concrete Check meter against test results weekly 2500 yd <sup>3</sup> concrete  250 yd <sup>3</sup> concrete Minimum of once daily or more as needed to control production. Check meter against test results weekly. 250 yd <sup>3</sup> concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd <sup>3</sup> concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	R 76  T 27 T 255 T 84  T 27 T 255  T 85
<b>C. PLASTIC CONCRETE</b> 1. Sampling 2. Air Content 3. Slump 4. Unit weight 5. Compressive Strength  6. Yield 7. Temperature	First load then one per 50 yd <sup>3</sup> First load then one per 50 yd <sup>3</sup> 100 yd <sup>3</sup> or when cylinders are made A minimum of one set (three cylinders) for each 100 yd <sup>3</sup> inclusive and one set for each additional 100 yd <sup>3</sup> or fraction thereof for each class concrete delivered and placed on a calendar day from a single supplier. A test shall be the average of three cylinders. Each 400 yd <sup>3</sup> concrete With each sample	R 60 T 152 or T 196 T 119 T 121 R 100, T 22, T 231  T 121 T 309

**907-804.02.13--Quality Assurance Sampling and Testing.** Delete Table 5 in Subsection 804.02.13 on pages 951 and 952, and substitute the following.

**TABLE 5  
DEPARTMENT’S MINIMUM REQUIREMENTS  
FOR QUALITY ASSURANCE**

Quality Assurance Tests	Frequency	AASHTO/ASTM
<b>A. AGGREGATES</b>		
1. Sampling		R 76
2. Fine Aggregate Gradation and FM	250 yd <sup>3</sup> concrete	T 27
3. Coarse Aggregates Gradation	250 yd <sup>3</sup> concrete	T 27
4. Coarse Aggregate a. Specific gravity / Absorption	250 yd <sup>3</sup> Concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd <sup>3</sup> Concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	
<b>B. PLASTIC CONCRETE</b>		
1. Sampling		R 60
2. Air Content	Every 100 yd <sup>3</sup>	T 152 or T 196
3. Slump	Every 100 yd <sup>3</sup>	T 119
4. Density (Unit Weight)	100 yd <sup>3</sup> or when cylinders are made	T 121
5. Compressive Strength	One set (three cylinders) for every 100 yd <sup>3</sup> inclusive. A test shall be the average of three cylinders.	R 100, T 23, T 231
6. Temperature	With each sample	T 309

**907-804.02.13.1--Job Control Testing.**

**907-804.02.13.1.4--Yield.** Delete the first sentence of Subsection 804.02.13.1.4 on page 953 and substitute the following.

If the yield of the concrete mixture is more than plus or minus three percent (±3%) of the design volume, the mixture design shall be adjusted by a Class III Certified Technician representing the Contractor to yield the correct volume, plus or minus three percent (±3%).

**907-804.02.13.1.5--Temperature.** Delete the third and fourth paragraphs of Subsection 804.02.13.1.5 on page 953, and substitute the following.

The maximum acceptance temperature of Class C concrete mixtures is 100°F for mixtures meeting the cement replacement requirements of Subsection 907-799.02.2. For Class C concrete mixtures that do not meet the cement replacement requirements of Subsection 907-799.02.2, the maximum acceptance temperature is 95°F.

The maximum acceptance temperature for all other concrete mixtures meeting the cement replacement requirements of Subsection 907-799.02.2 is 95°F. The maximum acceptance temperature for all other concrete mixtures that do not meet the cement replacement requirements of Subsection 907-799.02.2 is 90°F.

Delete Subsection 804.02.13.1.7 on page 954 and substitute the following.

**907-804.02.13.1.7--Blank.**

**907-804.03--Construction Requirements.**

**907-804.03.11--Concrete Exposed to Seawater.** Delete the first sentence of the paragraph in Subsection 804.03.11 on page 962, and substitute the following.

Unless otherwise specifically provided, concrete for structures exposed to seawater shall be Class AA concrete as referenced in Subsection 907-799.02.

Delete Subsection 804.03.16.1 on pages 970 & 971, and substitute the following.

**907-804.03.16.1--Cold Weather Concreting.**

**907-804.03.16.1.1--Mixture Acceptance Temperature.** For the purpose of job site acceptance temperature in accordance with Subsection 804.02.13.1.5, in cold weather, the acceptance temperature of the concrete when delivered to the job site shall conform to the temperature limitations of “Temperature Limitations on Concrete when Delivered to Job Site” listed in Table 8 below. For the purpose of mixture acceptance temperature, cold weather is defined as three consecutive days when there is a probability that the daily average of the highest and lowest ambient temperatures is expected to be less than 40°F. This three-day forecast shall be based on the latest information available from the National Weather Service.

**TABLE 8  
COLD WEATHER TEMPERATURE LIMITATIONS ON CONCRETE  
WHEN DELIVERED TO JOB SITE**

Section thickness in the least dimension inches	Jobsite Acceptance Temperature Range °F
Less than 12	55 to 75
12 to 36	50 to 70
36 to 72	45 to 65
Greater than 72	40 to 60

**907-804.03.16.1.2--Structure Concrete Protection.** The Contractor shall assume all risk and added cost connected with the placing and protecting of concrete during cold weather. For the purpose of structure protection, cold weather is defined as periods where there are indications of temperatures less than 40°F during the first four days after placement. Permission given by the Engineer to place concrete during such time will in no way relieve the Contractor of responsibility for satisfactory results. Protection of the concrete shall be accomplished in accordance with the requirements in Subsection 907-804.03.16.1.2.1. If approved by the Engineer, the protection of the concrete may be accomplished in accordance with the requirements in Subsection 907-804.03.16.1.2.2. In either case, should it be determined at any time that the concrete placed under such conditions is unsatisfactory, it shall be removed and replaced with satisfactory concrete by the Contractor without extra compensation.

Before placing concrete, all ice or frost shall be removed from the forms and reinforcement.

In the case of concrete placed directly on or in the ground, such as for footings or bottom slabs, protection and curing during cold weather may be provided as set for concrete pavement under Subsection 501.03.20.3.

**907-804.03.16.1.2.1--Enclosure Method.** The Contractor shall have available on the project the approved facilities necessary to enclose uncured concrete and to keep the temperature of the air inside the enclosure between 50°F and 100°F for the duration of the cold weather period. The Contractor shall use such heating equipment such as stoves, salamanders, or steam equipment as deemed necessary to protect the concrete. When dry heat is used, means of maintaining atmospheric moisture shall be provided.

The Contractor shall install the temperature sensors and other appurtenances to measure and record the temperature history of the air inside the enclosure. The Contractor shall be able to determine the temperature history of air inside the enclosure while remaining outside the enclosure

In the event that the Contractor's enclosure method does not successfully maintain the air temperature within the required range, the Contractor shall suspend additional concrete placements until either 1) such time that changes in the enclosure method are demonstrated to successfully maintain the required temperatures during other periods of cold weather, or 2) such time that concrete placements are not conducted during periods of cold weather.

If the air temperature inside the enclosure at the end of the protection period is more than 20°F greater than the ambient temperature, the Contractor shall 1) stop using heating equipment, 2) leave the enclosure undisturbed, and 3) allow the air temperature inside the enclosure to decrease to within 20°F of the ambient temperature before disturbing or removing the enclosure.

**907-804.03.16.1.2.2--Insulating Blanketing Method.** At the option of the Contractor with the approval of the Engineer, an approved insulating blanketing material capable of maintaining the temperature of the concrete at or above 40°F may be used to protect the work. The insulating blanketing material shall remain in place until both 1) the required concrete strength in Table 6 is achieved as determined using the Maturity Method in accordance with Subsection 804.03.15, and 2) the temperature differential between the ambient temperature and the internal concrete temperature determined by the maturity meter does not exceed 20°F.

In the event the Engineer does not approve of using the Insulating Blanketing Method, the Contractor shall use the Enclosure Method per Subsection 907-804.03.16.1.2.1.

**907-804.03.16.1.2.3--Batching Considerations.** One or more of the aggregates and/or mixing water may be heated. The aggregates may be heated by steam, dry heat, or by placing in the mixing water that has been heated. Frozen aggregates shall not be used. When either aggregates or water are heated above 100°F, the aggregates and water shall be combined first in the mixer before the cement is added to avoid flash set. Cement shall not be mixed with water or with a mixture of water and aggregate having a temperature greater than 100°F.

The use of salt or other chemical admixtures in lieu of heating will not be permitted.

**907-804.03.17--Curing Concrete.**

**907-804.03.17.1--Water with Waterproof Cover.** In the second sentence of the fourth paragraph of Subsection 804.03.17.1 on page 973, delete the word “due”.

Delete the first sentence of the fifth paragraph of Subsection 804.03.17.1 on page 973, and substitute the following.

The Contractor shall maintain the burlap in a fully wet condition using powered fogging equipment, such as a commercially available pressure washer, which is capable of producing a fog spray of atomized droplets of water (i.e., producing a very fine and gentle mist that looks like a foggy morning) until the concrete has gained sufficient strength to allow foot traffic without the foot traffic marring the surface of the concrete.

Delete the seventh paragraph of Subsection 804.03.17.1 on page 973, and substitute the following.

If there is an unanticipated delay in the placement of the first layer of saturated burlap outside the time limit which is due to unforeseen events which are not a part of the Contractor’s curing operations for meeting the requirements of this Subsection and which are outside the direct control of the Contractor, the struck-off and finished concrete shall be kept wet by use of the powered fogging equipment used to keep the burlap wet as described previously in the Subsection.

In the second sentence of the eighth paragraph of Subsection 804.03.17.1 on page 973, replace the word “like” with “such as”.

**907-804.03.17.1.2--Liquid Membrane.** In the first sentence of the first paragraph of Subsection 804.03.17.1 on page 973, replace “polyethylene sheets” with “white polyethylene sheets.”

**907-804.03.19.7--Finishing Bridge Decks.**

**907-804.03.19.7.1--General.** Delete the second paragraph of Subsection 804.03.19.7.1 on page 985, and substitute the following.

In the event a method is not designated on the plans, the Contractor may use either the Longitudinal Method in accordance with Subsection 907-804.03.19.7.2 or the Transverse Method in accordance with Subsection 907-804.03.19.7.3.

**907-804.03.19.7.2--Longitudinal Method.** Delete the first sentence of the first paragraph of Subsection 804.03.19.7.2 on page 985, and substitute the following.

The longitudinal method may only be used for repairs to bridge decks or bridge widening projects.

**907-804.03.19.7.3--Transverse Method.** Before the first sentence of the first paragraph of Subsection 804.03.19.7.3 on page 986, add the following.

The transverse method shall be used for construction of new bridge decks and may be used for bridge deck repair or bridge widening.



**907-804.03.22--Precast-Prestressed Concrete Bridge Members.**

**907-804.03.22.8--Testing of Materials.** Delete the first sentence of the paragraph in Subsection 804.03.22.8 on page 997, and substitute the following.

Concrete and aggregate testing shall meet the requirements of Division VI of PCI Quality Control Manual, Latest Edition, except that the concrete mixture design shall meet the requirements of Subsection 907-799.

**907-804.05--Basis of Payment.** Delete the first and second pay items listed on page 999, and substitute the following.

- 907-804-A: Bridge Concrete, Class \_\_\_\_\_ - per cubic yard
- 907-804-B: Box Bridge Concrete, Class \_\_\_\_\_ - per cubic yard

Bridge Replacements on US 51 between SR 35 and the Holmes County Line (Bridge Nos. 168.2, 169.5, 169.6, 169.9, 170.0, & 170.1), known as Federal Aid Project No. BR-1681-00(025) / 106102301 in Carroll County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
<b>Roadway Items</b>					
0010	201-B001		33	Acre	Clearing and Grubbing
0020	202-A001		1	Lump Sum	Removal of Obstructions
0030	202-B007		6,835	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B069		16,620	Square Yard	Removal of Concrete Pavement w/ Variable Depth Overlay
0050	202-B158		3,223	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0060	202-B191		20	Linear Feet	Removal of Pipe, 8" And Above
0070	202-B241		1	Mile	Removal of Traffic Stripe
0080	203-A001	(E)	1,442	Cubic Yard	Unclassified Excavation, FM, AH
0090	203-EX020	(E)	183,135	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0100	203-F001	(E)	5,390	Cubic Yard	Channel Excavation, FM
0110	203-G001	(E)	35,031	Cubic Yard	Excess Excavation, FM, AH
0120	209-A005		26,394	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0130	213-C001		14	Ton	Superphosphate
0140	216-A001		395	Square Yard	Solid Sodding
0150	217-A001		1,111	Square Yard	Ditch Liner
0160	219-A001		8	Thousand Gallon	Watering [\$20.00]
0170	220-A001		14	Acre	Insect Pest Control [\$30.00]
0180	221-A001	(S)	40	Cubic Yard	Concrete Paved Ditch
0190	223-A001		28	Acre	Mowing [\$50.00]
0200	224-A001		356	Square Yard	Soil Reinforcing Mat
0210	225-A001		28	Acre	Grassing
0220	225-B001		84	Ton	Agricultural Limestone
0230	225-C001		56	Ton	Mulch, Vegetative Mulch
0240	226-A001		28	Acre	Temporary Grassing
0250	236-A008		3	Each	Silt Basin, Type D
0260	237-A002		540	Linear Feet	Wattles, 20"
0270	245-A001		540	Linear Feet	Silt Dike
0280	246-A002		1,486	Each	Sandbags
0290	249-A001		1,051	Ton	Riprap for Erosion Control
0300	249-B001		648	Cubic Yard	Remove and Reset Riprap
0310	304-B004	(GT)	6,300	Ton	Granular Material, Class 5, Group D
0320	403-A003	(BA1)	3,265	Ton	12.5-mm, ST, Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	403-A006	(BA1)	2,736	Ton	19-mm, ST, Asphalt Pavement
0340	403-B003	(BA1)	742	Ton	12.5-mm, ST, Asphalt Pavement, Leveling
0350	406-D001		6,742	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0360	407-A001	(A2)	2,732	Gallon	Asphalt for Tack Coat
0370	423-A001		4	Mile	Rumble Strips, Ground In
0380	502-A001	(C)	1,002	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0390	503-C010		1,600	Linear Feet	Saw Cut, Full Depth
0400	603-ALT003	(S)	136	Linear Feet	18" Type A Alternate Pipe
0410	603-ALT016	(S)	80	Linear Feet	48" Type A Alternate Pipe
0420	605-AA001	(S)	449	Square Yard	Geotextile for Subsurface Drainage, Type III
0430	605-T001	(S)	514	Linear Feet	4" Perforated Pipe for Underdrains
0440	605-U001	(S)	360	Linear Feet	4" Non-perforated Pipe for Underdrains
0450	605-W001	(GY)	28	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
0460	606-B001		846	Linear Feet	Guard Rail, Class A, Type 1
0470	606-D022		24	Each	Guard Rail, Bridge End Section, Type I
0480	606-E005		16	Each	Guard Rail, Terminal End Section, Flared
0490	615-A002	(S)	240	Linear Feet	Concrete Bridge End Barrier, 33.5"
0500	617-A001		25	Each	Right-of-Way Marker
0510	907-618-A001		1	Lump Sum	Maintenance of Traffic
0520	619-A1004		3	Mile	Temporary Traffic Stripe, Continuous White, Paint
0530	619-A4004		2	Mile	Temporary Traffic Stripe, Skip Yellow, Paint
0540	619-A5001		6,925	Linear Feet	Temporary Traffic Stripe, Detail
0550	619-A6002		144	Linear Feet	Temporary Traffic Stripe, Legend
0560	619-D1001		111	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0570	619-D2001		592	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0580	619-G4001		24	Linear Feet	Barricades, Type III, Double Faced
0590	619-G4005		184	Linear Feet	Barricades, Type III, Single Faced
0600	619-G5001		139	Each	Free Standing Plastic Drums
0610	619-G7001		10	Each	Warning Lights, Type "B"
0620	620-A001		1	Lump Sum	Mobilization
0630	621-A001		1	Each	Field Laboratory
0640	626-C002		4	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0650	626-D001		2	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0660	626-G004		92	Linear Feet	Thermoplastic Double Drop Detail Stripe, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	626-G005		88	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0680	626-H002		96	Linear Feet	Thermoplastic Double Drop Legend, White
0690	627-L001		182	Each	Two-Way Yellow Reflective High Performance Raised Markers
0700	630-A001		15	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0710	630-A003		97	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0720	630-C003		222	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
0730	630-F006		78	Each	Delineators, Guard Rail, White
0740	630-G005		24	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
0750	699-A001		1	Lump Sum	Roadway Construction Stakes
0760	815-A007	(S)	6,695	Ton	Loose Riprap, Size 300
0770	815-E001	(S)	6,982	Square Yard	Geotextile under Riprap
0780	815-F002	(S)	90	Ton	Sediment Control Stone
0790	907-234-A001		22,075	Linear Feet	Temporary Silt Fence
0800	907-253-A001		340	Linear Feet	Coir Fiber Baffle
0810	907-413-E001		2,083	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0820	907-906001		1,040	Hours	Trainees [\$5.00]
<b>ALTERNATE GROUP AA NUMBER 1</b>					
0830	304-F001	(GT)	11,450	Ton	3/4" and Down Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 2</b>					
0840	304-F002	(GT)	11,450	Ton	Size 610 Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 3</b>					
0850	304-F003	(GT)	11,450	Ton	Size 825B Crushed Stone Base
<b>ALTERNATE GROUP BB NUMBER 1</b>					
0860	605-W002	(GY)	366	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
<b>ALTERNATE GROUP BB NUMBER 2</b>					
0870	605-W003	(GY)	366	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
<b>Bridge Items</b>					
0880	501-K001		4,833	Square Yard	Transverse Grooving
0890	803-C002	(S)	6,970	Linear Feet	14" x 14" Prestressed Concrete Piling
0900	803-C003	(S)	6,675	Linear Feet	16" x 16" Prestressed Concrete Piling
0910	803-C004	(S)	1,095	Linear Feet	18" x 18" Prestressed Concrete Piling
0920	804-C026	(S)	2,738	Linear Feet	110' Prestressed Concrete Beam, Type IV
0930	804-C084	(S)	890	Linear Feet	60' Prestressed Concrete Beam, Type II+2
0940	804-C121	(S)	3,581	Linear Feet	80' Prestressed Concrete Beam, Type III

<b>Line No.</b>	<b>Item Code</b>	<b>Adj Code</b>	<b>Quantity</b>	<b>Units</b>	<b>Description [Fixed Unit Price]</b>
0950	805-A001	(S)	397,936	Pounds	Reinforcement
0960	813-A002	(S)	2,926	Linear Feet	Concrete Railing, 32"
0970	815-A007	(S)	13,207	Ton	Loose Riprap, Size 300
0980	815-E001	(S)	9,618	Square Yard	Geotextile under Riprap
0990	907-803-B001	(S)	6	Each	Conventional Static Pile Load Test [\$5,000.00]
1000	907-803-I002	(S)	15	Each	PDA Test Pile, Concrete Pile
1010	907-803-J001	(S)	12	Each	Pile Restrike
1020	907-804-A002	(S)	550	Cubic Yard	Bridge Concrete, Class AA
1030	907-804-A004	(S)	1,469	Cubic Yard	Bridge Concrete, Class BD
1040	907-823-A001		614	Linear Feet	Preformed Joint Seal, Type I

ADDENDUM

DESCRIPTION OF SHEET

TITLE SHEET, DETAILED INDEX, AND GENERAL NOTES - (5)

- TITLE SHEET
DETAILED INDEX
DETAILED INDEX
GENERAL NOTES
GENERAL NOTES
TYPICAL SECTIONS - (6)
TYPICAL SECTIONS - US 51 WIDENING & OVERLAY
TYPICAL SECTIONS - US 51 NEW CONSTRUCTION
TYPICAL SECTIONS - US 51 NEW CONSTRUCTION
TYPICAL SECTIONS - EXISTING EMBANKMENT REMOVAL
TYPICAL SECTIONS - BRIDGE END SHOULDER DETAIL
TYPICAL SECTIONS - BRIDGE END PAVEMENT AND PAVED APRON
QUANTITY SHEETS - (1)
SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
SUMMARY OF QUANTITIES
ESTIMATED QUANTITIES - REMOVAL ITEMS
ESTIMATED QUANTITIES - EARTHWORK AND GUARDRAIL
ESTIMATED QUANTITIES - PAVEMENT MARKINGS AND BRIDGE END PAVEMENT
ESTIMATED QUANTITIES - EROSION CONTROL
ESTIMATED QUANTITIES - DRIVEWAYS, SIDE DRAINS, SPUR DIKES, AND PAVED FLUMES
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS
RIGHT-OF-WAY AND EASEMENT COORDINATE SHEETS (1)
RIGHT-OF-WAY AND EASEMENT COORDINATES
PLAN & PROFILE SHEETS - (5)
(B.O.P.) STA. 802+49.56 TO STA. 824+00 (SITE 1)
STA. 824+00 TO STA. 854+00 (SITE 1)
STA. 854+00 TO STA. 869+03.94 (SITE 1)
STA. 902+38.37 TO STA. 926+00 (SITE 2)
STA. 926+00 TO STA. 938+68.15 (SITE 2)
SPECIAL DESIGN SHEETS - (3)
CONSTRUCTION SIGNING
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 1) (STA. 802+50 TO STA. 817+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 1) (STA. 817+00 TO STA. 832+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 1) (STA. 832+00 TO STA. 847+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 1) (STA. 847+00 TO STA. 862+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 2) (STA. 862+00 TO STA. 869+04)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 2) (STA. 902+38 TO STA. 913+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 2) (STA. 913+00 TO STA. 928+00)
TRAFFIC CONTROL PLAN (PHASE 1) - US 51 (SITE 2) (STA. 928+00 TO STA. 938+63)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 1) (STA. 802+50 TO STA. 817+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 1) (STA. 817+00 TO STA. 832+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 1) (STA. 832+00 TO STA. 847+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 1) (STA. 847+00 TO STA. 862+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 1) (STA. 862+00 TO STA. 869+04)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 2) (STA. 902+38 TO STA. 913+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 2) (STA. 913+00 TO STA. 928+00)
TRAFFIC CONTROL PLAN (PHASE 2) - US 51 (SITE 2) (STA. 928+00 TO STA. 938+63)

WKG. NO. SH. NO.

- DI-1
DI-2
GN-1
GN-2
TS-1
TS-2
TS-3
TS-4
TS-5
TS-6
SQS-1
SQS-2
SQS-3
EQ-1
EQ-2
EQ-3
EQ-4
EQ-5
EQ-6
EQ-7
EQ-8
RCS-1
3
4
5
6
7
CS-1
TC-1-1
TC-1-2
TC-1-3
TC-1-4
TC-1-5
TC-1-6
TC-1-7
TC-1-8
TC-2-1
TC-2-2
TC-2-3
TC-2-4
TC-2-5
TC-2-6
TC-2-7
TC-2-8

DESCRIPTION OF SHEET

SPECIAL DESIGN SHEETS - (CONTINUED)

- PAVEMENT MARKINGS (SITE 1) - STA. 802+50 TO STA. 817+00
PAVEMENT MARKINGS (SITE 1) - STA. 817+00 TO STA. 847+00
PAVEMENT MARKINGS (SITE 1) - STA. 847+00 TO STA. 869+04
PAVEMENT MARKINGS (SITE 2) - STA. 902+38 TO STA. 913+00
PAVEMENT MARKINGS (SITE 2) - STA. 913+00 TO STA. 938+63
EROSION CONTROL PLAN - (B.O.P.) STA. 802+49.56 TO STA. 824+00 (SITE 1)
EROSION CONTROL PLAN - STA. 824+00 TO STA. 854+00 (SITE 1)
EROSION CONTROL PLAN - STA. 854+00 TO STA. 869+03.94 (SITE 1)
EROSION CONTROL PLAN - STA. 902+38.37 TO STA. 926+00 (SITE 2)
EROSION CONTROL PLAN - STA. 926+00 TO STA. 938+68.15 (SITE 2)
EROSION CONTROL PLAN - RIPARIAN BUFFER AT BRIDGE C
EROSION CONTROL PLAN - RIPARIAN BUFFER AT BRIDGE D
EROSION CONTROL PLAN - RIPARIAN BUFFER AT BRIDGE F
VEGETATION SCHEDULE
PERMANENT SIGNING PLANS - (1)
PERMANENT SIGN PLAN
STANDARD DRAWINGS - ROADWAY DESIGN SHEETS (2017) - (62)
BRIDGE END PAVEMENT WITH RAIL, OVERLAY, AND SLEEPER SLAB (NEW CONSTRUCTION)
BRIDGE END PAVEMENT RAIL (33.5" RAIL HEIGHT)
PAVEMENT MARKING DETAILS FOR 2-LANE & 4-LANE DIVIDED ROADWAYS
RUMBLE STRIPES 2-LANE HIGHWAYS (ASPHALT LANES, 2-FT ASPHALT SHOULDERS)
TYPICAL TEMPORARY EROSION CONTROL / SEDIMENT CONCRCL APPLICATIONS
DETAILS OF SEDIMENT BARRIER APPLICATIONS
DETAILS OF SILT FENCE INSTALLATION
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
TEMPORARY EROSION , SEDIMENT, AND WATER POLLUTION CONTROL MEASURES (SILT FENCE AND HAY BALE DITCH CHECKS)
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK
ROCK DITCH CHECK
ROCK FILTER DAM
ROCK DITCH CHECK WITH SUMP EXCAVATION AND ROCK FILTER DAM
TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION
INLET PROTECTION DETAILS FOR SEDIMENT CONTROL STONE ON GRADES AND SAGS
INLET PROTECTION DETAILS OF WATTLES
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE
INLET PROTECTION DETAILS OF SANDBAGS
STABILIZED CONSTRUCTION ENTRANCE
TEMPORARY CULVERT STREAM CROSSING
TEMPORARY STREAM DIVERSION
TEMPORARY STREAM DIVERSION (BOX EXTENSION)
FLOATING TURBIDITY CURTAIN
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
SEDIMENT RETENTION BARRIER
DETAILS OF TYPICAL DITCH TREATMENTS
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)
(CONTINUED NEXT SHEET)

WKG. NO. SH. NO.

- PMD-1
PMD-2
PMD-3
PMD-4
PMD-5
ECP-3
ECP-4
ECP-5
ECP-6
ECP-7
ECP-RB-4A
ECP-RB-4B
ECP-RB-6
VS-1

1001

- BE-1
BER-1
PM-1
RS-1
ECD-1
ECD-2
ECD-3
ECD-4
ECD-5
ECD-6
ECD-7
ECD-8
ECD-9
ECD-10
ECD-11
ECD-12
ECD-13
ECD-14
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ECD-20
ECD-21
ECD-22
DT-1
DT-1A
BAS-A
BAS-B

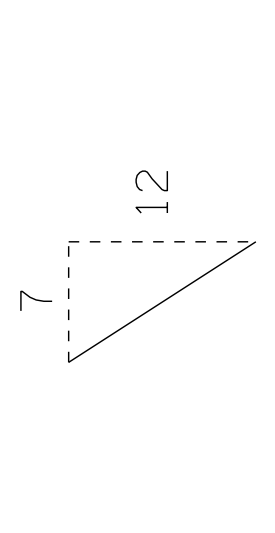
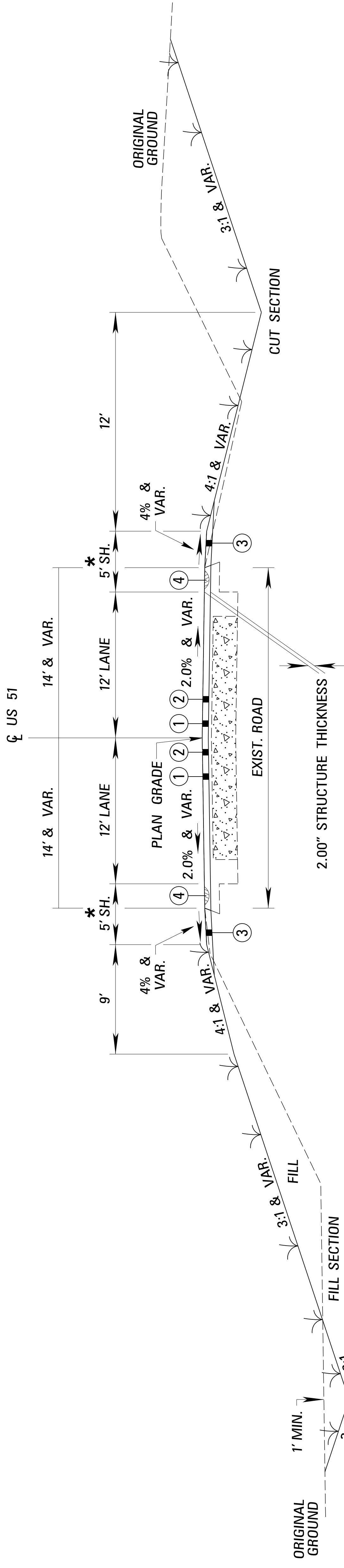
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Table with columns: PS & E PLANS-09/02/2021, FMS CON. # 106102/301000, REVISIONS, DATE, SHEET NO., BY

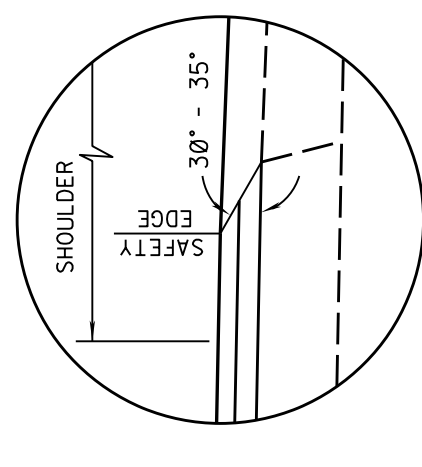
MISSISSIPPI DEPARTMENT OF TRANSPORTATION DETAILED INDEX
PROJ. NO.: BR-1681-00(025)
COUNTY: CARROLL
WORKING NUMBER DI-1
SHEET NUMBER 2



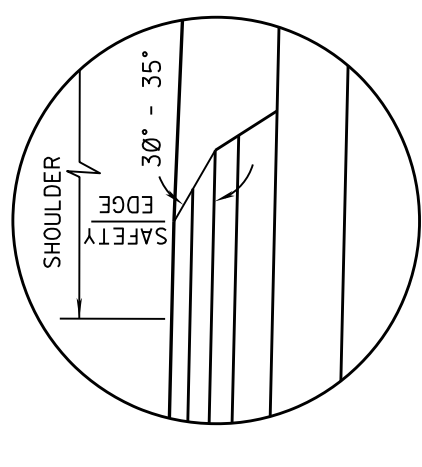
# ADDENDUM



ANGLE OF REPOSE PERMITTED



SAFETY EDGE REQ'D TOP 2 LIFTS ONLY (NOT A PAY ITEM) OVERLAY



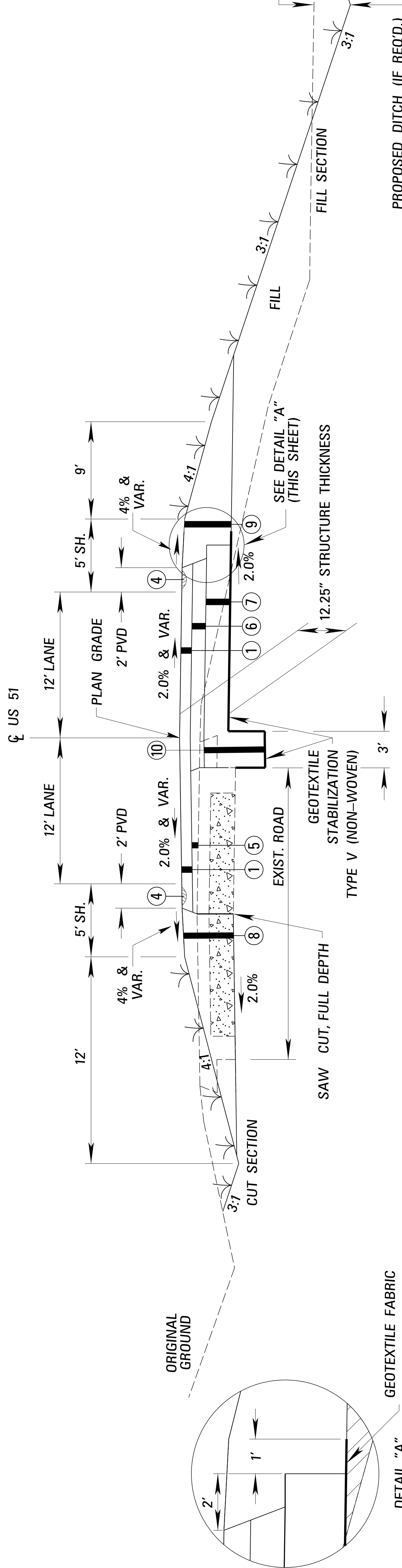
SAFETY EDGE REQ'D TOP 2 LIFTS ONLY (NOT A PAY ITEM) NEW CONSTRUCTION

## US 51 TYPICAL SECTION

WIDENING & OVERLAY

\* TRANSITION SHOULDER TO EXISTING WIDTH IN LAST 100'.

SITE 1  
 (B.O.P.) STA. 802+49.56 TO STA. 804+61.02  
 STA. 867+68.24 TO STA. 869+03.94



## US 51 TYPICAL SECTION

WIDENING & OVERLAY

NOT TO SCALE

SITE 1  
 STA. 804+61.02 TO STA. 810+24.26  
 STA. 861+40.32 TO STA. 867+68.24

SITE 2  
 STA. 902+38.37 TO STA. 909+87.32  
 STA. 931+21.32 TO STA. 938+68.15 (E.O.P.)

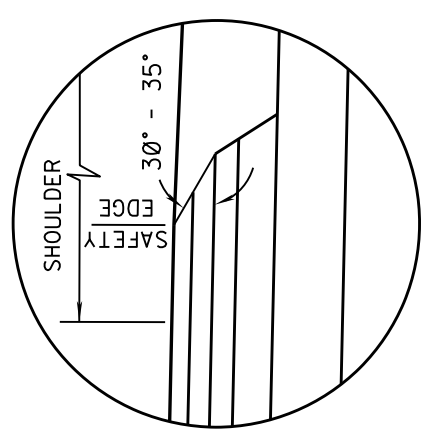
- ① 2.00" ASPHALT PAVEMENT, ST. (12.5 mm MIX.) (1 @ 2.00") REQ'D.
- ② 2.00" & VARIABLE DEPTH FINE MILLING REQ'D.
- ③ 2.00" & VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D.
- ④ RUMBLE STRIPE REQ'D.
- ⑤ VARIABLE DEPTH LEVELING ASPHALT PAVEMENT, ST. (19 mm MIX.) (1 @ VAR.) REQ'D.
- ⑥ 2.25" ASPHALT PAVEMENT, ST. (19 mm MIX.) (1 @ 2.25") REQ'D.
- ⑦ 8.00" CRUSHED STONE BASE W/GEOTEXTILE STABILIZATION, TYPE V (NON-WOVEN) REQ'D.
- ⑧ VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D.
- ⑨ 12.25" & VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D.
- ⑩ 20.00" CRUSHED STONE BASE W/GEOTEXTILE STABILIZATION, TYPE V (NON-WOVEN) REQ'D.

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1.

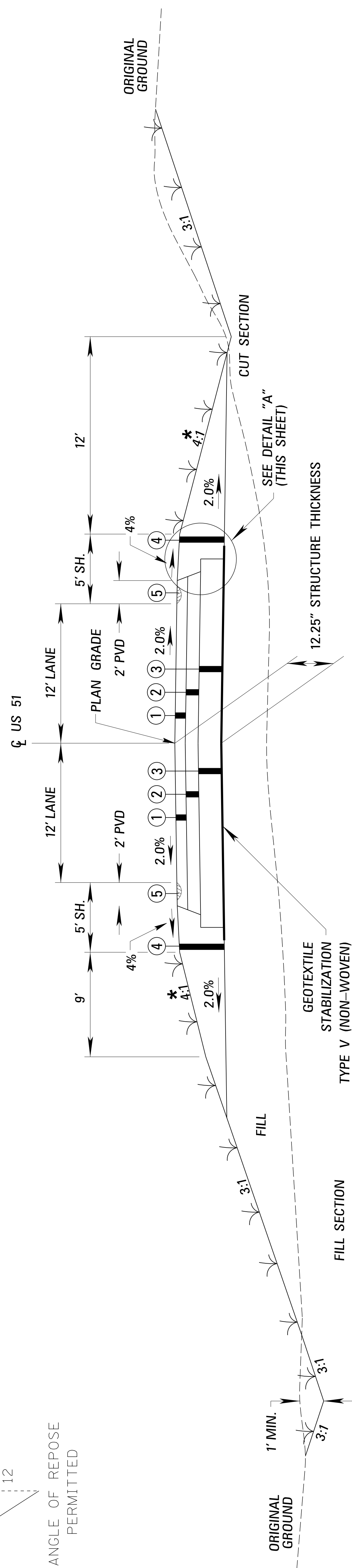
BY	REVISION	DATE	DESIGN TEAM	CHECKED	DATE
JMR		5/8/24	FA		
	REVISED CLASS OF MATERIAL				

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
 US 51  
 WIDENING & OVERLAY  
 PROJ. NO.: BR-1681-00(016)  
 COUNTY: CARROLL  
 FILENAME: TS.DGN  
 WORKING NUMBER: 5-8-24  
 SHEET NUMBER: TS-1  
 SHEET NUMBER: 6

**ADDENDUM**



SAFETY EDGE REQ'D TOP 2 LIFTS ONLY (NOT A PAY ITEM) NEW CONSTRUCTION



**US 51 TYPICAL SECTION**  
 NEW CONSTRUCTION

SITE 1  
 \*\* STA. 810+24.26 TO STA. 861+40.32

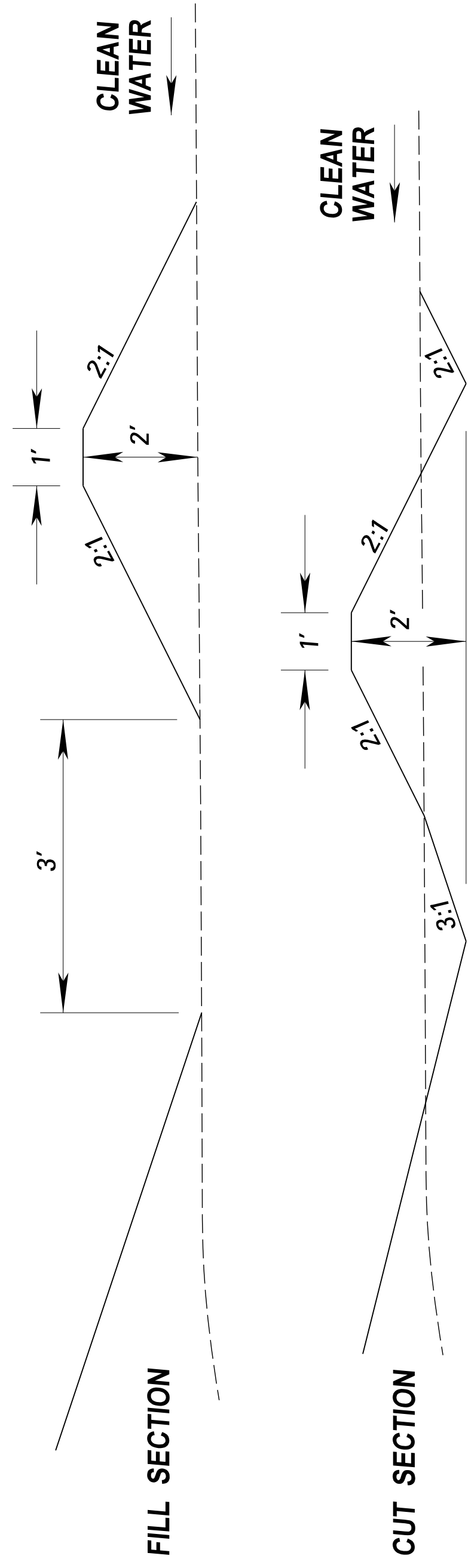
SITE 2  
 STA. 909+87.32 TO STA. 931+21.32

\*\* SEE TS-3 FOR MORE DETAILS

**BRIDGES**

SITE 1  
 STA. 820+82.88 TO STA. 822+45.13  
 STA. 823+77.88 TO STA. 825+40.13  
 STA. 827+42.88 TO STA. 830+95.13  
 STA. 842+31.88 TO STA. 845+04.13  
 STA. 849+43.88 TO STA. 851+26.13

SITE 2  
 STA. 918+55.35 TO STA. 921+88.65

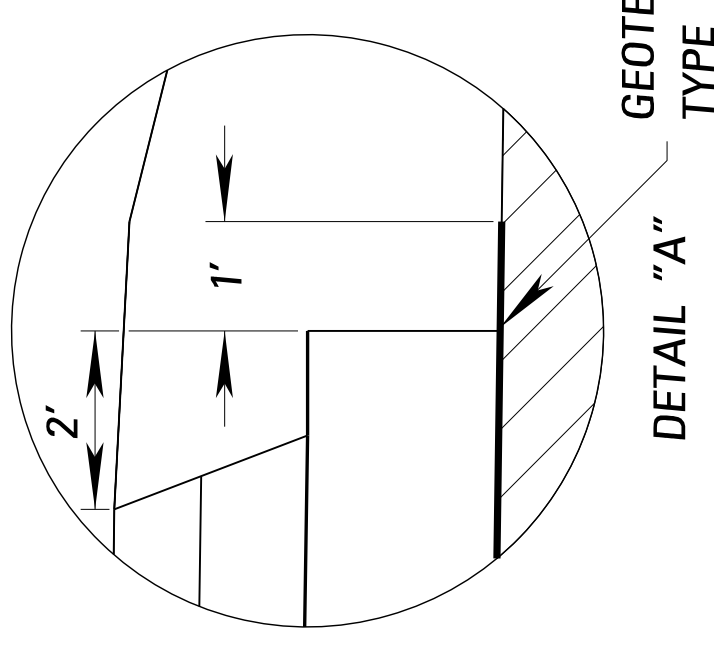


**CLEAN WATER DIVERSIONS**

SEE WK SHEETS AND CROSS SECTIONS FOR LOCATIONS

- STA. 816+00.00 TO STA. 820+00.00
- STA. 851+00.00 TO STA. 867+00.00
- STA. 907+00.00 TO STA. 917+00.00
- STA. 923+25.00 TO STA. 938+50.00

- ① 2.00" ASPHALT PAVEMENT, ST, (12.5 mm MIX.) (1 @ 2.00") REQ'D.
- ② 2.25" ASPHALT PAVEMENT, ST, (19 mm MIX.) (1 @ 2.25") REQ'D.
- ③ 8.00" CRUSHED STONE BASE W/GEOTEXTILE STABILIZATION, TYPE V (NON-WOVEN) REQ'D.
- ④ 12.25" & VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D.  $\triangle$
- ⑤ RUMBLE STRIPE REQ'D.

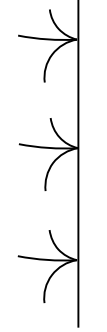


DATA FOR PAVEMENT DETERMINATION	
2018 ADT	300 Current
2028 ADT	350 Design
2038 ADT	410
DHV	50
D	60 % of DHV
T	8 % of ADT
T (Total)	1445 % of ADT
18K (Rigid)	845 / 1000
18K (Flex)	935 / 1000
Design CBR	5

NOT TO SCALE

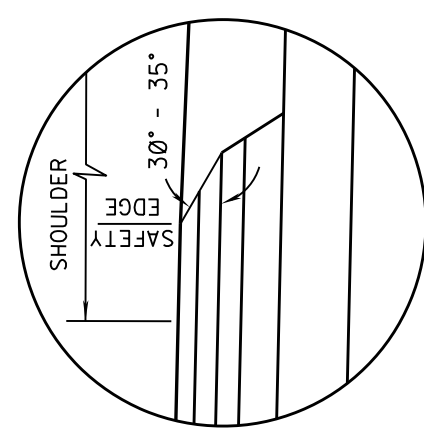
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
 US 51  
 NEW CONSTRUCTION  
 PROJ. NO.: BR-1681-00(016)  
 COUNTY: CARROLL  
 FILENAME: TS.DGN  
 DESIGN TEAM: FA  
 CHECKED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 WORKING NUMBER: 5-8-24  
**TS-2**  
 SHEET NUMBER: 7

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1.

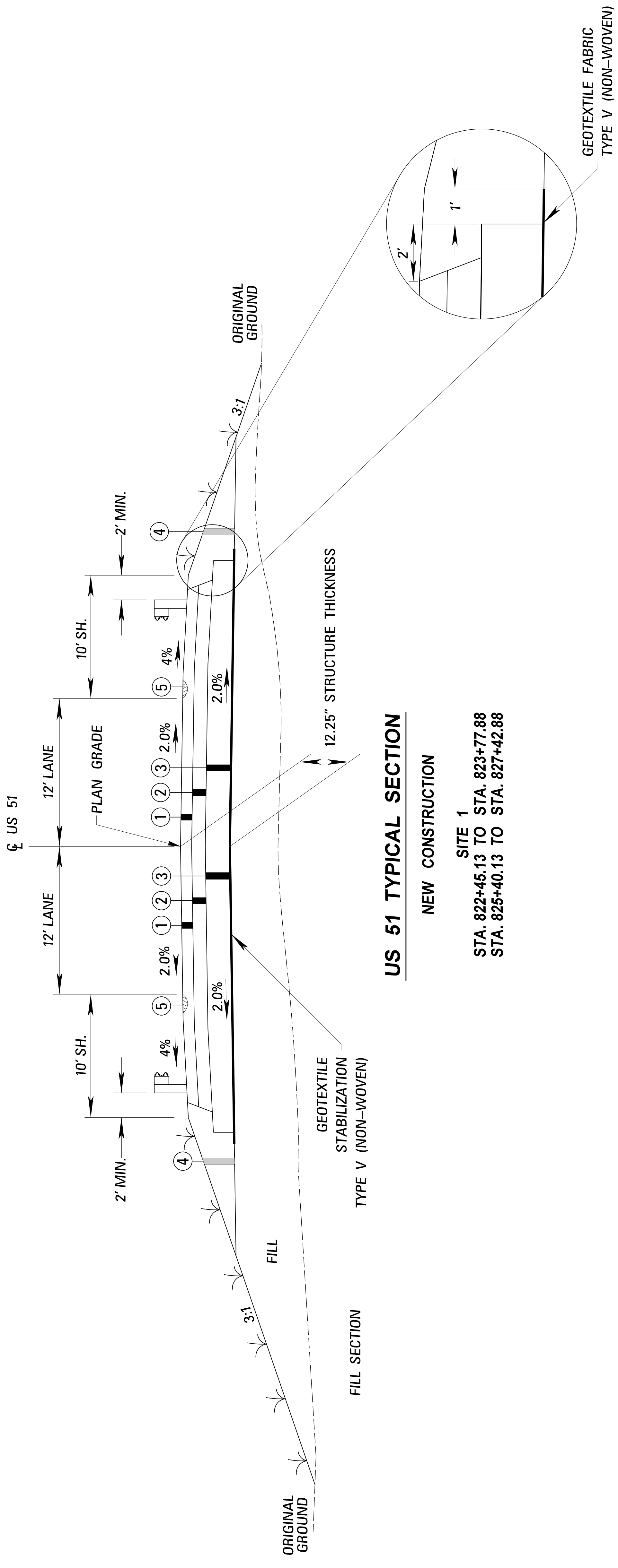
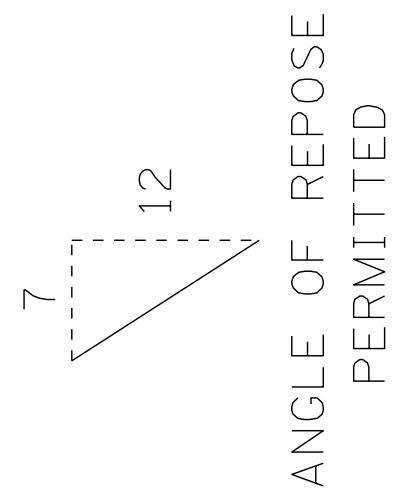




**ADDENDUM**



SAFETY EDGE REQ'D  
 TOP 2 LIFTS ONLY  
 (NOT A PAY ITEM)  
 NEW CONSTRUCTION



**US 51 TYPICAL SECTION**

NEW CONSTRUCTION

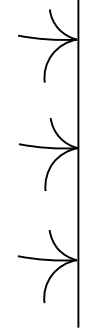
SITE 1  
 STA. 822+45.13 TO STA. 823+77.88  
 STA. 825+40.13 TO STA. 827+42.88

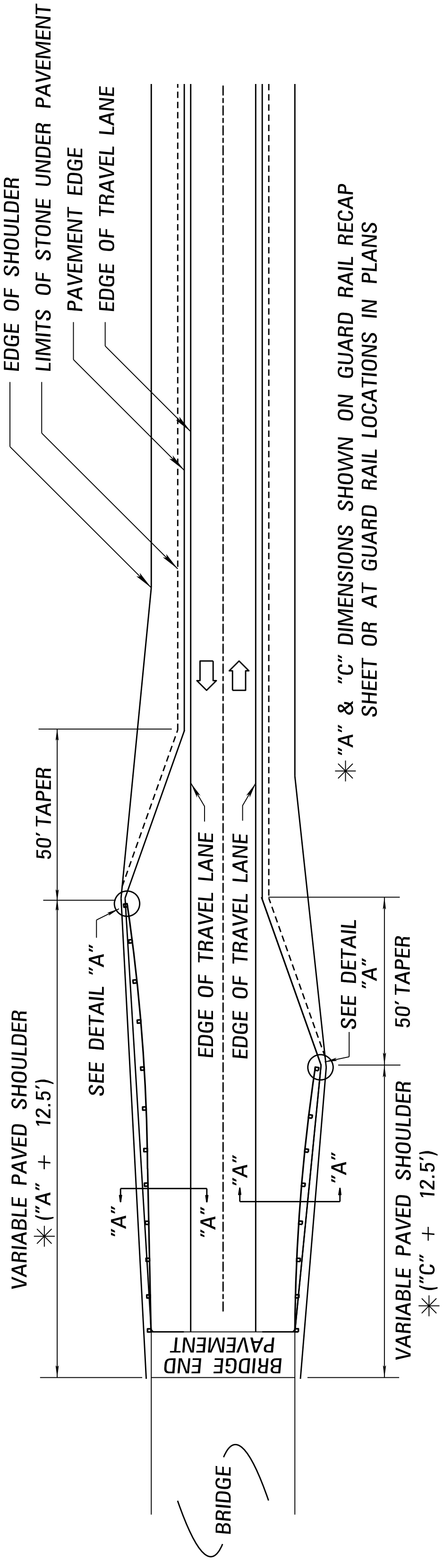
NOT TO SCALE

BY	JMR	DATE	5/8/24
REVISION		REVISED CLASS OF MATERIAL	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>TYPICAL SECTIONS</b> US 51 NEW CONSTRUCTION			
PROJ. NO.: BR-1681-00(016) COUNTY: CARROLL			
FILENAME:	TS.DGN	DESIGN TEAM	FA
WORKING NUMBER	5-8-24	CHECKED	
SHEET NUMBER	TS-3		
			8

- ① 2.00" ASPHALT PAVEMENT, ST, (12.5 mm MIX.) (1 @ 2.00") REQ'D.
- ② 2.25" ASPHALT PAVEMENT, ST, (19 mm MIX.) (1 @ 2.25") REQ'D.
- ③ 8.00" CRUSHED STONE BASE W/GEOTEXTILE STABILIZATION, TYPE V (NON-WOVEN) REQ'D.
- ④ 12.25" & VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D.  $\triangle$
- ⑤ RUMBLE STRIPE REQ'D.

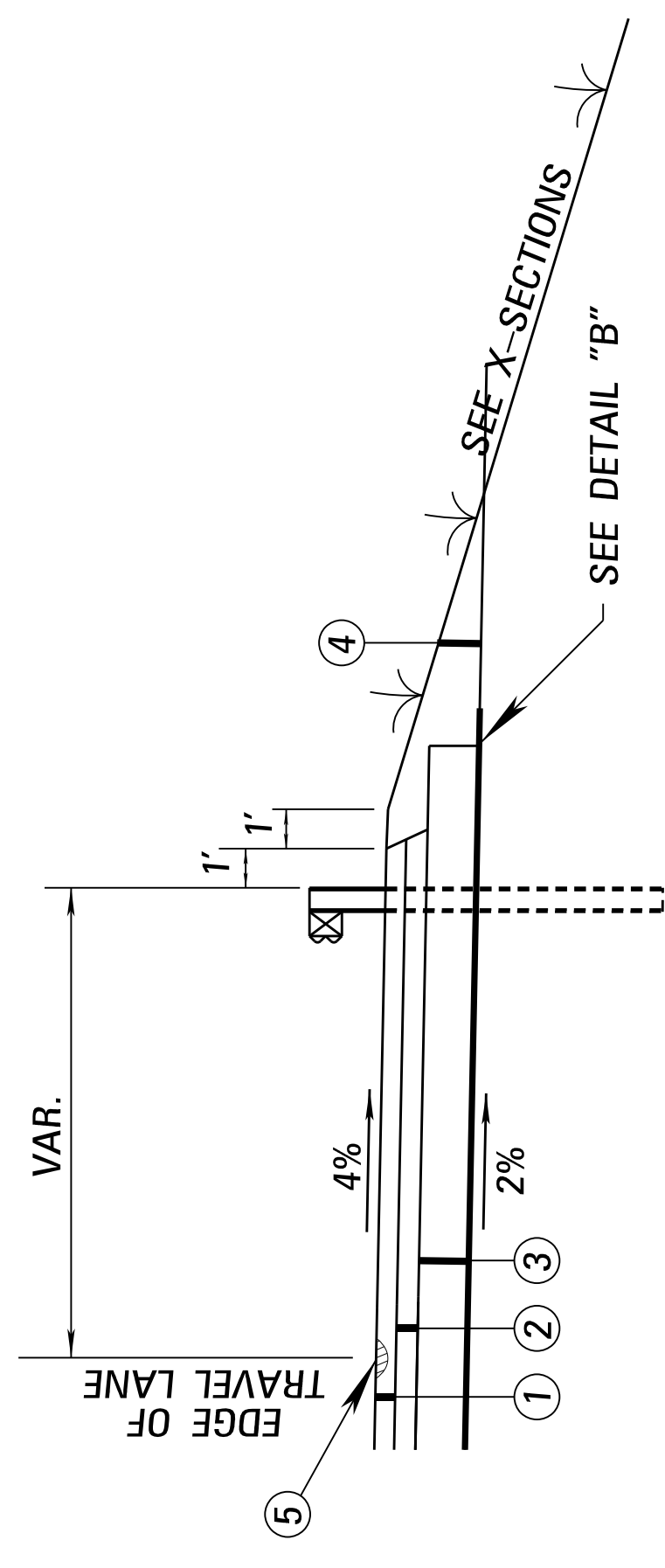
INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1.





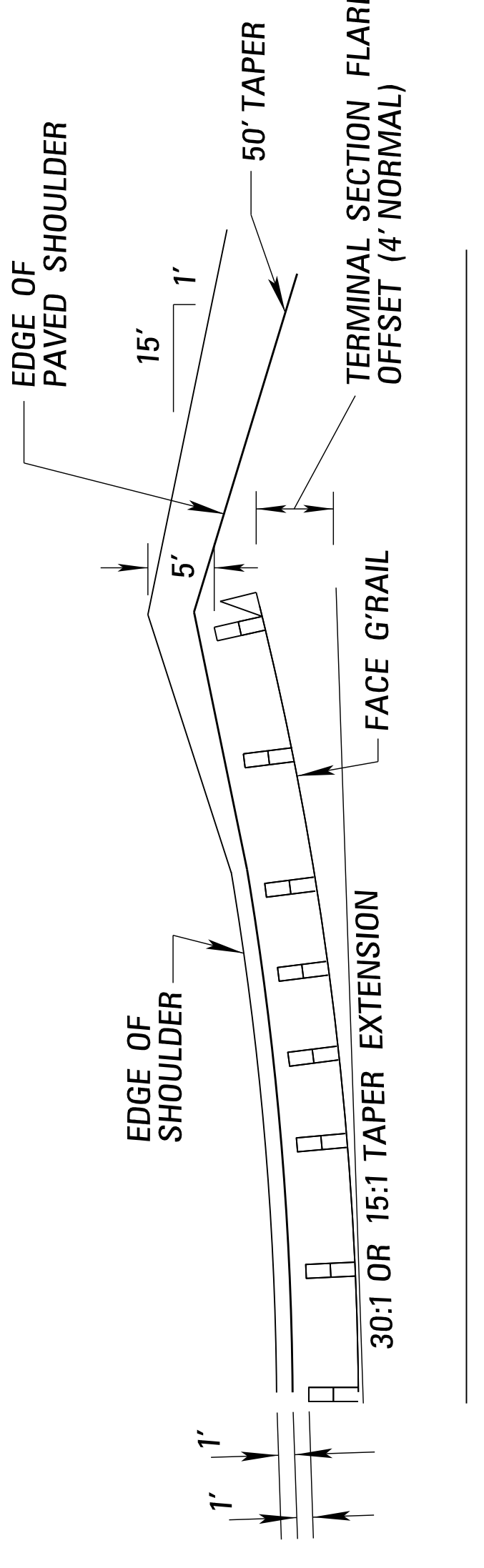
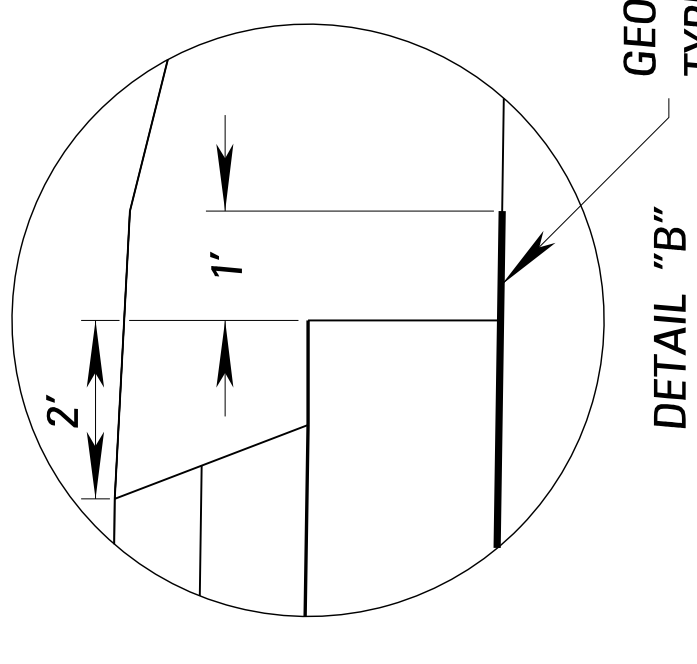
**DETAIL OF PAVED SHOULDERS AT BRIDGE ENDS**

(SEE SECTION "A"- "A")



**SECTION A-A**

- ① 2.00" ASPHALT PAVEMENT, ST, (12.5 mm MIX.) (1 @ 2.00") REQ'D.
- ② 2.25" ASPHALT PAVEMENT, ST, (19 mm MIX.) (1 @ 2.25") REQ'D.
- ③ 8.00" CRUSHED STONE BASE W/GEOTEXTILE STABILIZATION, TYPE V (NON-WOVEN) REQ'D.
- ④ 12.25" & VARIABLE DEPTH GRANULAR SHOULDER MATERIAL (CLASS 5, GROUP "D") REQ'D. <sup>Δ</sup>
- ⑤ RUMBLE STRIPE REQ'D.



**DETAIL "A"**

(SEE GUARD RAIL INSTALLATION SHEETS FOR OTHER DETAILS)

NOT TO SCALE

BY	DATE	REVISION
JMR	5/8/24	REVISED CLASS OF MATERIAL

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
 US 51  
 BRIDGE END SHOULDER  
 DETAIL  
 PROJ. NO.: BR-1681-00(016)  
 COUNTY: CARROLL

5/8/2024 8:16:39 AM T.S.DGN  
 ROADWAY DESIGN DIVISION  
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

FILENAME: TS.DGN  
 DESIGN TEAM: FA  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

WORKING NUMBER  
**TS-5**  
 SHEET NUMBER  
**10**



**ADDENDUM**

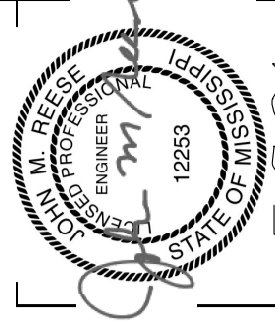
STATE	PROJECT NO.
MISS	BR-1681-00(025)

**SUMMARY OF QUANTITIES (SHEET 1)**

PAY ITEM NO.	PAY ITEM	UNIT	CARROLL : 106102-301000	
			Prelim	Final
201-B001	Clearing and Grubbing	ACRE	33	
202-A001	Removal of Obstructions	LS	1	① ②
202-B007	Removal of Asphalt Pavement, All Depths	SY	6,835	③
202-B069	Removal of Concrete Pavement w/ Variable Depth Overlay	SY	16,620	
202-B158	Removal of Guard Rail, Including Rails, Posts and Terminal Ends	LF	3,223	⑤
202-B191	Removal of Pipe, 8" And Above	LF	20	④
202-B241	Removal of Traffic Stripe	MI	1	
203-A001	Unclassified Excavation, FM, AH	CY	1,442	
203-EX020	Borrow Excavation, AH, FME, Class B9	CY	183,135	⑪
203-F001	Channel Excavation, FM	CY	5,390	⑩
203-G001	Excess Excavation, FM, AH	CY	35,031	
209-A005	Geotextile Stabilization, Type V, Non-Woven	SY	26,394	
213-C001	Superphosphate	TON	14	
216-A001	Solid Sodding	SY	395	⑥
217-A001	Ditch Liner	SY	1,111	
219-A001	Watering	KGAL	8	
220-A001	Insect Pest Control	ACRE	14	
221-A001	Concrete Paved Ditch	CY	40	⑨
223-A001	Mowing	ACRE	28	
224-A001	Soil Reinforcing Mat	SY	356	
225-A001	Grassing	ACRE	28	
225-B001	Agricultural Limestone	TON	84	
225-C001	Mulch, Vegetative Mulch	TON	56	
226-A001	Temporary Grassing	ACRE	28	
907-234-A001	Temporary Silt Fence	LF	22,075	①
236-A008	Silt Basin, Type D	EA	3	
237-A002	Wattles, 20"	LF	540	
245-A001	Silt Dike	LF	540	
246-A002	Sandbags	EA	1,486	
249-A001	Riprap for Erosion Control	TON	1,051	⑧
249-B001	Remove and Reset Riprap	CY	648	
907-253-A001	Coir Fiber Baffle	LF	340	
304-B004	Granular Material, Class 5, Group D	TON	6,300	⑦ ①
304-F001	3/4" and Down Crushed Stone Base	TON	11,450	⑦
304-F002	OR	TON	11,450	⑦
304-F003	Size 610 Crushed Stone Base	TON	11,450	⑦
304-F003	OR	TON	11,450	⑦
304-F003	Size 825B Crushed Stone Base	TON	11,450	⑦
403-A003	12.5-mm, ST, Asphalt Pavement	TON	3,265	
403-A006	19-mm, ST, Asphalt Pavement	TON	2,736	
403-B003	12.5-mm, ST, Asphalt Pavement, Leveling	TON	742	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	6,742	

- ① Includes, but not limited to, aprons, parapet, fence, footings, and/or other underground obstructions.
- ② Includes 1.2 acre for temporary easements.
- ③ Br. No. 170.1, Spans 6 @ 20'; Br. No. 170.0, Spans 7 @ 20'; Br. No. 169.9, Spans 2 @ 20', 1 @ 40', 2 @ 20'; Br. No. 169.6, Spans 4 @ 20'; Br. No. 169.5, Spans 5 @ 20'; Br. No. 168.2, Spans 3 @ 20'.
- ④ Does not include abandoned utility lines.
- ⑤ Includes removal of bridge end section, terminal end section, rail, posts, blockouts, hardware, etc. (as measured from beginning of bridge end section to end of terminal end section) and object markers.
- ⑥ 267 SY adjacent to paved flumes and 128 SY adjacent to underdrain outlet aprons.
- ⑦ Includes 20% increase from calculated quantity.
- ⑧ 500 tons for silt basins and 551 tons for ditch checks.
- ⑨ 31 CY for paved flumes and 9 CY for underdrain outlets.
- ⑩ Relocated channel Sta. 831+00 to Sta. 843+75 RT. and relocated channel Sta.920+00 to Sta. 923+50 RT.
- ⑪ Includes 4,900 CY for guide banks (spur dikes).



<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
<b>SUMMARY OF QUANTITIES</b>	
	Working Number <b>5-8-24</b>
PROJ NO: BR-1681-00(025) COUNTY: CARROLL	
FILENAME: SQS Design Team Fisher Arnold	Checked Date 09/02/2021
Sheet Number <b>12</b>	SQ-1

Revised Pay Item	Revision
05/08/2024	15

**ADDENDUM**

STATE	PROJECT NO.
MISS	BR-1681-00(025)

**SUMMARY OF QUANTITIES (SHEET 2)**

PAY ITEM NO.	PAY ITEM	UNIT	CARROLL : 106102-301000	
			Prelim	Final
407-A001	Asphalt for Tack Coat	GAL	2,732	
907-413-E001	Sawing and Sealing Transverse Joints in Asphalt Pavement	LF	2,083	
423-A001	Rumble Strips, Ground In	MI	4	
502-A001	Reinforced Cement Concrete Bridge End Pavement	SY	1,002	
503-C010	Saw Cut, Full Depth	LF	1,600	
603-ALT003	18" Type A Alternate Pipe	LF	136	
603-ALT016	48" Type A Alternate Pipe	LF	80	
605-AA001	Geotextile for Subsurface Drainage, Type III	SY	449	
605-T001	4" Perforated Pipe for Underdrains	LF	514	
605-U001	4" Non-perforated Pipe for Underdrains	LF	360	
605-W001	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM	CY	28	
605-W002	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM	CY	366	
605-W003	OR Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM	CY	366	
606-B001	Guard Rail, Class A, Type 1	LF	846	
606-D022	Guard Rail, Bridge End Section, Type I	EA	24	
606-E005	Guard Rail, Terminal End Section, Flared	EA	16	
615-A002	Concrete Bridge End Barrier, 33.5"	LF	240	
617-A001	Right-of-Way Marker	EA	25	
907-618-A001	Maintenance of Traffic	LS	1	
619-A1004	Temporary Traffic Stripe, Continuous White, Paint	MI	3	
619-A4004	Temporary Traffic Stripe, Skip Yellow, Paint	MI	2	
619-A5001	Temporary Traffic Stripe, Detail	LF	6,925	
619-A6002	Temporary Traffic Stripe, Legend	LF	144	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	111	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	592	
619-G4001	Barricades, Type III, Double Faced	LF	24	
619-G4005	Barricades, Type III, Single Faced	LF	184	
619-G5001	Free Standing Plastic Drums	EA	139	
619-G7001	Warning Lights, Type "B"	EA	10	
620-A001	Mobilization	LS	1	
621-A001	Field Laboratory	EA	1	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	4	
626-D001	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow	MI	2	
626-G004	Thermoplastic Double Drop Detail Stripe, White	LF	92	
626-G005	Thermoplastic Double Drop Detail Stripe, Yellow	LF	88	
626-H002	Thermoplastic Double Drop Legend, White	LF	96	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	182	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	15	
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	97	
630-C003	Steel U-Section Posts, 3.0 lb/ft	LF	222	
630-F006	Delineators, Guard Rail, White	EA	78	

- ① See Wk. No. EQ-5 for pipe alternates.
- ② It is the responsibility of the Contractor to protect the preformed joint material. Any damage caused by the thermoplastic will be repaired at no cost to the State.
- ③ Includes 2,929 LF for bridges.
- ④ Includes 1,464 LF for bridges.

- ② ③
- ② ④
- ②
- ②



Revised Pay Item	05/08/2024
Revision	
<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b> <b>SUMMARY OF QUANTITIES</b>	
PROJ NO: BR-1681-00(025) COUNTY: CARROLL	
Working Number	SQ-2
Design Team	Fisher Arnold
Checked	
Date	09/02/2021
Sheet Number	13

FILENAME: SQS

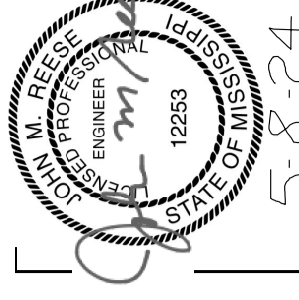
**ADDENDUM**

STATE	PROJECT NO.
MISS	BR-1681-00(025)

**SUMMARY OF QUANTITIES (SHEET 3)**

PAY ITEM NO.	PAY ITEM	UNIT	CARROLL : 106102-301000	
			Prelim	Final
630-G005	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted	EA	24	
699-A001	Roadway Construction Stakes	LS	1	
815-A007	Loose Riprap, Size 300	TON	6,695	(1)
815-E001	Geotextile under Riprap	SY	6,982	(2)
815-F002	Sediment Control Stone	TON	90	

- ① 4120 tons for riprap ditches and 2575 tons for guide banks (spur dikes).
- ② 5074 SY for riprap ditches and 1908 SY for guide banks (spur dikes).

<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>		
<b>SUMMARY OF QUANTITIES</b>		
PROJ NO: BR-1681-00(025)		Working Number
COUNTY: CARROLL		<b>SQ-3</b>
FILENAME: SQS	Design Team: Fisher, Arnold	Sheet Number
	Checked	<b>14</b>
		Date: 09/02/2021