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. ADDENDUM NO ADDENDUM NO	DATED DATED DATED	9/4/2025	ADDENDUM NO. ADDENDUM NO. ADDENDUM NO.	DATED DATED DATED		
1 Revised Table of Contents; Nos. 7302 & 7304; Added 907-804-13 with Suppleme EBSx Download Required.	SP 907-713-1, SP 907- nt; Revised Bid Items;	803-6 & SP	TOTAL ADDENDA: (Must agree with total ad Respectfully Submitted, DATE	Contractor Signature		
		11	PHONE FAX E-MAIL			
(To be filled in if a corporation) Our corporation is chartered une titles and business addresses of	der the Laws of the Star				and the	names,
President				Address		
Secretary				Address		
Treasurer				Address		

The following is my (our) itemized proposal. STP-0019-02(065)/ 102168301000 Lafayette County(ies)

Revised 01/26/2016

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PROJECT: STP-0019-02(065)/102168301 - Lafayette

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PROJECT: STP-0019-02(065)/102168301 - Lafayette

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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET OF SECTION 905 AS ADDENDA) 09/04/2025 03:32 PM

CODE: (SP)

SECTION 904 - NOTICE TO BIDDERS NO. 4638

DATE: 10/05/2022

SUBJECT: Storm Water Discharge Associated with Construction Activity

 $(\geq 5 \text{ Acres})$

PROJECT: STP-0019-02(065) / 102168301 – Lafayette County

A Construction Storm Water General NPDES Permit to discharge storm water associated with construction activity is required.

The Department has acquired Certificate of Permit Coverage MSR-109489 under the Mississippi Department of Environmental Quality's (MDEQ) Storm Water Large Construction General Permit. Projects issued a certificate of permit coverage are granted permission to discharge treated storm water associated with construction activity into State waters. Copies of said permit, completed Large Construction Notice of Intent (LCNOI), and Storm Water Pollution Prevention Plan (SWPPP) are on file with the Department.

Prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director an original signed copy of the completed Prime Contractor Certification Forms.

Failure of the bidder to execute and file the completed Prime Contractor Certification Forms shall be just cause for the cancellation of the award.

The executed Prime Contractor Certification Forms shall be prima facie evidence that the bidder has examined the permit, is satisfied as to the terms and conditions contained therein, and that the bidder has the primary responsibility for meeting all permit terms including, but not limited to, the inspection and reporting requirements. For this project, the Contractor shall furnish, set up and read, as needed, an on-site rain gauge.

The Contractor shall make inspections in accordance with condition No. S-5, page 26, and shall furnish the Project Engineer with the results of each weekly inspection as soon as possible following the date of inspection. A copy of the inspection form is provided with the packet. The weekly inspections must be documented monthly on the Inspection and Certification Form. The Contractor's representative and the Project Engineer shall jointly review and discuss the results of the inspections so that corrective action can be taken. The Project Engineer shall retain copies of the inspection reports.

The Engineer will have the authority to suspend all work and/or withhold payments for failure of the Contractor to carry out provisions of MDEQ's Storm Water Construction General Permit, the erosion control plan, updates to the erosion control plan, and /or proper maintenance of the BMPs.

By a full maintenance release or confirmation by the Permit Closeout Committee that the permit is ready for termination, the Construction Division shall submit a completed Request for Termination (RFT) of Coverage to the Office of Pollution Control.

Securing a permit (s) for storm water discharge associated with the Contractor's activity on any other regulated area the Contractor occupies, shall be the responsibility of the Contractor.

CODE: (SP)

SECTION 904 - NOTICE TO BIDDERS NO. 7302

DATE: 08/21/2025

SUBJECT: Disturbed Areas

PROJECT: STP-0019-02(065) / 102168301 – Lafayette County

Bidders are advised of Notice to Bidders No. 757 and Special Provision No. 907-107-2 that limit the maximum total acreage that can be disturbed at one time to 19 acres. The successful bidder may submit a request for additional acreage, which may be approved at the discretion of the Department up to a maximum of one hundred (100) acres. The request shall include the following, which sufficiently supports the need for additional acreage:

- (1) a schedule for earthwork activity by means of a mass-haul diagram;
- (2) a narrative description of the phasing for the mass-haul diagram, which must describe the proposed acreages for each phase and anticipated locations for multiple crews; and
- (3) any proposed commitments to help maintain embankment stability during each phase.

The written request, with supporting documentation, shall be submitted to the Project Engineer who will review the request and submit it to Construction Division for approval. <u>MDOT reserves the right, at any time during the project, to decrease the acreage requested by the Contractor based on the Contractor's erosion control performance and conditions existing on the project, or at the discretion of the Engineer.</u>

Time associated with the submittal, review, and approval/denial of this change will run concurrent with the time set aside in Subsection 107.22.1 of the Standard Specifications for the approval of the Contractor's Erosion Control Plan.

CODE: (SP)

SECTION 904 - NOTICE TO BIDDERS NO. 7304

DATE: 08/25/2025

SUBJECT: Erosion Control Contract Compliance

Bidders are hereby advised that Erosion Control measures will be monitored for contract compliance at the specified intervals as per the Contract Documents. The Contractor will be subject to the following conditions:

If a Contractor is found to be in violation of Notice to Bidders 2172 in excess of the time allotted per the MDEQ General Permit without a Contractor's Inspection, or a second consecutive Stormwater Inspection showing a recurring major/critical deficiency without any Corrective Action report showing that the area had been addressed, said Contractor will be issued a Non-Compliance Assessment per violation until the project is found to be back in compliance with the Contract Documents (Stormwater permit included).

Non-Compliance Assessments will accrue per each reporting period that the Contractor remains in violation of the above referenced items. A deduction, calculated from the Non-Compliance Assessment charges listed in Table I, will be made from money due the Contractor. The charges set out in Table I of non-compliance assessments are based on Penalty amounts developed by MDEQ to encourage Contractor Compliance. The Contractor and the Contractor's Sureties shall be liable for all non-compliance assessments in excess of any money due the Contractor.

Erosion Control Inspection reports are required to be submitted until there is a Full Maintenance Release, documented in writing by the State Construction Engineer. The non-compliance assessments may be returned to the Contractor at the completion of the project if the Contractor is found to have three (3) or fewer documented violations during the life of the project. The Contractor will forfeit any non-compliance assessments if found to have been assessed penalties for more than three (3) documented violations.

Should the Contractor come upon an issue that causes a delay or an inability to submit the required reports, said Contractor has twenty-four (24) hours to report to the MDOT's Project Engineer or MDOT's LPA Division (for LPA Projects) of the issue and get assistance. Lack of willingness to use or learn to use the application will not be accepted as a valid reason for nonuse.

Table I

Non-Compliance Assessments of Construction and Mining Storm Water Permits (Per Documented Violation)

			Type of Stormwater Permit* SCNOI LCNOI	
Violation	Original Contr	act Amount		
Failure to complete weekly inspection, failure to address a documented major/critical Deficiency (noted as a recurring deficiency)	\$<10,000,000	\$ 10,000,000	\$ 1,000	\$ 2,500
	\$ 10,000,000	\$ 40,000,000	\$ 1,000	\$ 4,000
	\$ 40,000,000	>\$40,000,000	\$ 1,000	\$ 7,000

• Permit defined by project documents.

CODE: (SP)

SPECIAL PROVISION NO. 907-713-1

DATE: 07/28/2020

SUBJECT: Waterproofing Admixture

Section 713, Concrete Curing Materials and Admixtures, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

<u>**907-713.02--Admixtures for Concrete.**</u> Delete Subsection 713.02.4 on page 793 and substitute the following.

907-713.02.4--Blank.

SPECIAL PROVISION NO. 907-803-6

CODE: (IS)

DATE: 11/21/2023

SUBJECT: Deep Foundations

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

<u>907-803.02--Materials.</u> Delete the first paragraph of Subsection 803.02 on page 900, and substitute the following.

All materials shall conform to the applicable requirements set forth in Sections 710, 711, 719, 799, 804, and 814.

Delete the first sentence of the third paragraph on Subsection 803.02 on page 900, and substitute the following.

Concrete for drilled shafts shall be Class "DS" concrete meeting the requirements of Section 907-799.

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.

<u>907-803.03.1.9.3.3.3--Driving Requirements.</u> Delete the first three 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.

907-803.03.2--Drilled Shafts.

907-803.03.2.7--Concrete Placement.

<u>907-803.03.2.7.1--General.</u> Delete the first paragraph of Subsection 803.03.2.7.1 on page 925 and substitute the following.

Drilled shaft concrete shall meet the requirements in Sections 804 and 907-799.

Delete the fourth sentence of the fourth paragraph of Subsection 803.03.2.7.1 on page 925, and substitute the following.

Prior to concrete placement, the Contractor shall provide test results meeting the requirements of Subsection 907-799.02 and a slump loss test per the requirements in Subsection 907-799.05.1.

907-803.04--Method of Measurement.

<u>907-803.04.12--PDA Test Pile.</u> 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.

<u>907-803.05.2--Conventional Pile Load Tests</u>. 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, 803-J, 803-K, 803-L, and 803-M 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
907-803-K:	Drilled Shaft," Diameter	- per linear foot
907-803-L:	Test Shaft," Diameter	- per each
907-803-M:	Trial Shaft, " Diameter	- per linear foot

SUPPLEMENT TO SPECIAL PROVISION NO. 907-804-13

DATE: 07/28/2025

SUBJECT: Concrete Bridges and Structures

907-804.02--Materials

<u>907-804.02.6--Classification and Uses of Concrete.</u> Delete numbers 9 through 15 on page 2 and substitute the following.

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

907-804.02.12--Contractor's Quality Control.

<u>907-804.02.12.2--Personnel Requirements</u>. Delete the first sentence of the second paragraph of Subsection 907-804.02.12.2 on pages 3 & 4, 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.

<u>907-804.02.12.5--Non-Conforming Materials.</u> Delete Table 4 on page 5, and substitute the following.

TABLE 4 CONTRACTOR'S MINIMUM REQUIREMENTS FOR QUALITY CONTROL

Hydraulic Cement Concrete				
Control Requirement	AASHTO/ASTM			
 A. PLANT AND TRUCKS Mixer Blades Scales Tared Calibrate Check Calibration Gauges & Meters - Plant & Truck Calibrate Check Calibration Admixture Dispenser Calibrate Check Operation Calibration 	Monthly Daily Every 6 months Weekly Every 6 months Weekly Every 6 months Daily			
B. AGGREGATES 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 yd³ concrete Check meter against test results weekly 2500 yd³ concrete 250 yd³ concrete Minimum of once daily or more as needed to control production. Check meter against test results weekly. 250 yd³ Concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd³ Concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	T 2 T 27 T 255 T 84 T 27 T 255 T 85		
C. PLASTIC CONCRETE 1. Sampling 2. Air Content 3. Slump or Flow* 4. Static Segregation* 5. Density (Unit Weight) 6. Compressive Strength 7. Yield 8. Temperature	First load then one per 50 yd ³ First load then one per 50 yd ³ 2500 yd ³ Concrete 100 yd ³ or when cylinders are made A minimum of one set (three cylinders) for each 100 yd ³ inclusive and one set for each additional 100 yd ³ 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 ³ Concrete With each sample	R 60 T 152* or T 196* T 119* or C 1611* C 1610* T 121 T 22*, T 23*, T 231 T 121* T 309		

Note: * For concrete categorized as a SCC mixture, the following requirements shall apply:

- (a) Substitute the appropriate AASHTO for references to other ASTM Designations listed in ASTM C1610 and C1611.
- (b) Test specimens shall be made in accordance with the above listed specifications with the exception that the concrete shall not be rodded or vibrated during casting the test specimens.
- (c) The slump flow test shall only be performed on SCC mixtures in accordance with ASTM C1611. For these mixtures AASHTO T119 is not required. For the slump flow test, the filling procedure used shall be Procedure B. Additionally, for each slump flow test, determine the T50 and VSI values in accordance with the information in Appendix X1 of ASTM C1611. There are no acceptance criteria for the T50 or VSI determinations.
- (d) The static segregation test shall only be performed on SCC mixtures.

<u>907-804.02.13--Quality Assurance Sampling and Testing.</u> Delete Table 5 on page 6, and substitute the following.

TABLE 5
DEPARTMENT'S MINIMUM REQUIREMENTS
FOR OUALITY ASSURANCE

Quality Assurance Tests	Frequency	AASHTO/ASTM
A. AGGREGATES 1. Sampling 2. Fine Aggregate Gradation and FM 3. Coarse Aggregates Gradation 4. Coarse Aggregate a. Specific gravity / Absorption	250 yd ³ concrete 250 yd ³ concrete 250 yd ³ Concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd ³ Concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	T 2 T 27 T 27
B. PLASTIC CONCRETE 1. Sampling 2. Air Content 3. Slump or Slump Flow* 4. Density (Unit Weight) 5. Compressive Strength	Every 100 yd ³ Every 100 yd ³ 100 yd ³ or when cylinders are made One set (three cylinders) for every 100 yd ³ inclusive. A test shall be the average of three cylinders.	R 60 T 152* or T 196* T 119 or C 1611* T 121 T 22*, T 23*, T 231
6. Temperature	With each sample	T 309

Note: * For concrete categorized as a SCC mixture, the following requirements shall apply:

- (a) Substitute the appropriate AASHTO for references to other ASTM listed in ASTM C1611.
- (b) Test specimens shall be made in accordance with the above listed specifications with the exception that the concrete shall not be rodded or vibrated during casting the test specimens.

(c) The slump flow test shall only be performed on SCC mixtures in accordance with ASTM C1611. For these mixtures AASHTO T119 is not required. For the slump flow test, the filling procedure used shall be Procedure B.

Delete Subsection 907-804.2.13.1.7 on page 6, and substitute the following.

<u>907-804.02.13.1.7--Static Segregation.</u> For concrete categorized as a SCC mixture, the static segregation of the plastic concrete shall meet the requirements of Subsection 907-799.03.2. If the static segregation of the concrete mix design exceeds this requirement, the mix shall be adjusted by a Class III Certified Technician representing the Contractor to ensure a static segregation less than the maximum allowable. If batching of the proportions of the mixture design varies outside the batching tolerance range of the originally approved proportions by more than the tolerances allowed in Subsection 907-804.02.12.1, the new proportions shall be field verified per Subsection 907-799.05.

CODE: (IS)

SPECIAL PROVISION NO. 907-804-13

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.

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

<u>907-804.02.6--Classification and Uses of Concrete.</u> 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.

<u>907-804.02.8--Laboratory Accreditation</u>. 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
AASIITO. 1 323	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.

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

Table 2

- * 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.

<u>907-804.02.10--Hydraulic Cement Concrete Mixture Design.</u> 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.

<u>907-804.02.12.1.1--Elements of Plan.</u> 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.

<u>907-804.02.12.2--Personnel Requirements</u>. 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.

<u>907-804.02.12.5--Non-Conforming Materials.</u> Delete Table 4 on page 950, and substitute the following.

Table 4 CONTRACTOR'S MINIMUM REQUIREMENTS FOR QUALITY CONTROL

Hydraulic Cement Concrete				
Control Requirement	Frequency	AASHTO/ASTM		
A. PLANT AND TRUCKS 1. Mixer Blades 2. Scales a. Tared b. Calibrate	Monthly Daily Every 6 months Weekly			
c. Check Calibration 3. Gauges & Meters - Plant & Truck a. Calibrate b. Check Calibration 4. Admixture Dispenser a. Calibrate b. Check Operation & Calibration	Every 6 months Weekly Every 6 months Daily			
B. AGGREGATES 1. Sampling 2. Fine Aggregate		R 76		
a. Gradation / FM b. Moisture c. Specific Gravity / Absorption	250 yd³ concrete Check meter against test results weekly 2500 yd³ concrete	T 27 T 255 T 84		
Coarse Aggregates a. Gradation b. Moisture	250 yd ³ concrete Minimum of once daily or more as needed to control production. Check meter against test results weekly.	T 27 T 255		
c. Specific Gravity / Absorption	250 yd ³ concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd ³ concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	T 85		
C. PLASTIC CONCRETE 1. Sampling 2. Air Content 3. Slump 4. Unit weight 5. Compressive Strength	First load then one per 50 yd ³ First load then one per 50 yd ³ 100 yd ³ or when cylinders are made A minimum of one set (three cylinders) for each 100 yd ³ inclusive and one set for each additional 100 yd ³ or fraction thereof for each class concrete delivered and placed on a calendar day from a single supplier. A test shall be	R 60 T 152 or T 196 T 119 T 121 R 100, T 22, T 231		
6. Yield 7. Temperature	the average of three cylinders. Each 400 yd³ concrete With each sample	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
A. AGGREGATES		
1. Sampling		R 76
Fine Aggregate Gradation and FM	250 yd ³ concrete	T 27
Coarse Aggregates Gradation	250 yd ³ concrete	T 27
4. Coarse Aggregate a. Specific gravity / Absorption	250 yd ³ Concrete if the coarse aggregate oven dry specific gravity is less than 2.450, or 2500 yd ³ Concrete if the coarse aggregate oven dry specific gravity is greater than or equal to 2.450	
B. PLASTIC CONCRETE		
1. Sampling		R 60
2. Air Content	Every 100 yd ³	T 152 or T 196
3. Slump	Every 100 yd ³	T 119
4. Density (Unit Weight)	100 yd ³ or when cylinders are made	T 121
5. Compressive Strength	One set (three cylinders) for every	R 100, T 23, T 231
	100 yd ³ inclusive. A test shall be	
	the average of three cylinders.	
6. Temperature	With each sample	T 309

907-804.02.13.1--Job Control Testing.

<u>907-804.02.13.1.4--Yield.</u> 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 $(\pm 3\%)$ 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 $(\pm 3\%)$.

<u>907-804.02.13.1.5--Temperature</u>. 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 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.

<u>907-804.03.11--Concrete Exposed to Seawater</u>. 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.

<u>907-804.03.16.1.1--Mixture Acceptance Temperature.</u> 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	Jobsite Acceptance
least dimension	Temperature Range
inches	°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

<u>907-804.03.16.1.2--Structure Concrete Protection</u>. 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.

<u>907-804.03.16.1.2.1--Enclosure Method.</u> 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.

<u>907-804.03.16.1.2.3--Batching Considerations.</u> 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.

<u>907-804.03.17.1--Water with Waterproof Cover.</u> 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".

<u>907-804.03.17.1.2--Liquid Membrane.</u> 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.

<u>907-804.03.19.7.1--General.</u> 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.

<u>907-804.03.19.7.2--Longitudinal Method.</u> 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.

<u>907-804.03.19.7.3--Transverse Method.</u> 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.

<u>907-804.03.22.8--Testing of Materials</u>. 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.

<u>907-804.05--Basis of Payment.</u> 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

Proposal (Sheet 2 - 1)

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Grade, Drain, Bridge & Pave 4 Lanes on SR 7 from CR 370 to 0.4 miles south of SR 6, known as Federal Aid Project No. STP-0019-02(065) / 102168301 in Lafayette County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]			
Roadway Items								
0010	201-A001		1	Lump Sum	Clearing and Grubbing			
0020	201-B001		11	Acre	Clearing and Grubbing			
0030	202-A001		1	Lump Sum	Removal of Obstructions			
0040	202-B004		14,841	Square Yard	Removal of Asphalt Driveways, All Depths			
0050	202-B007		37,082	Square Yard	Removal of Asphalt Pavement, All Depths			
0060	202-B019		209	Linear Feet	Removal of Box Culvert			
0070	202-B023		3	Each	Removal of Bridge			
0080	202-B039		393	Linear Feet	Removal of Cable Barrier			
0090	202-B040		1	Each	Removal of Cable Barrier Terminal Section			
0100	202-B052		287	Square Yard	Removal of Concrete Driveways, All Depths			
0110	202-B059		660	Square Yard	Removal of Concrete Median & Island Pavement, All Depths			
0120	202-B063		6,526	Square Yard	Removal of Concrete Paved Ditch			
0130	202-B073		2,574	Square Yard	Removal of Concrete Pavement, All Depths			
0140	202-B080		252	Square Yard	Removal of Concrete Sidewalk			
0150	202-B088		7,457	Linear Feet	Removal of Curb & Gutter, All Types			
0160	202-B129		10	Each	Removal of Flared End Section, All Sizes			
0170	202-B158		1,965	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends			
0180	202-B164		5	Each	Removal of Inlet and Junction Box, All Types & Sizes			
0190	202-B178		14	Each	Removal of Low Mast Lighting Assembly and Foundation			
0200	202-B191		3,016	Linear Feet	Removal of Pipe, 8" And Above			
0210	202-B204		395	Linear Feet	Removal of Retaining Wall			
0220	203-A001	(E)	795,007	Cubic Yard	Unclassified Excavation, FM, AH			
0230	203-EX020	(E)	1,583,390	Cubic Yard	Borrow Excavation, AH, FME, Class B9			
0240	203-G001	(E)	27,134	Cubic Yard	Excess Excavation, FM, AH			
0250	206-A001	(S)	10,211	Cubic Yard	Structure Excavation			
0260	206-B001	(E)	928	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM			
0270	209-A005		48,223	Square Yard	Geotextile Stabilization, Type V, Non-Woven			
0280	211-B001	(E)	42,091	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished			
0290	213-C001		79	Ton	Superphosphate			
0300	216-A001		17,114	Square Yard	Solid Sodding			
0310	217-A001		10,362	Square Yard	Ditch Liner			
0320	219-A001		346	Thousand Gallon	Watering [\$20.00]			

Section 905

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	220-A001		78	Acre	Insect Pest Control [\$30.00]
0340	221-A001	(S)	2,477	Cubic Yard	Concrete Paved Ditch
0350	223-A001		156	Acre	Mowing [\$50.00]
0360	225-A001		157	Acre	Grassing
0370	225-B001		78	Ton	Agricultural Limestone
0380	225-C001		313	Ton	Mulch, Vegetative Mulch
0390	226-A001		158	Acre	Temporary Grassing
0400	229-A001		17,253	Square Yard	Erosion Mat
0410	235-A001		2,372	Each	Temporary Erosion Checks
0420	236-A008		50	Each	Silt Basin, Type D
0430	237-A002		17,950	Linear Feet	Wattles, 20"
0440	239-A001		17,857	Linear Feet	Temporary Slope Drains
0450	245-A001		4,997	Linear Feet	Silt Dike
0460	246-A001		53,710	Linear Feet	Sandbags
0470	247-A001		7	Each	Temporary Stream Diversion
0480	249-A001		7,560	Ton	Riprap for Erosion Control
0490	249-B001		3,640	Cubic Yard	Remove and Reset Riprap
0500	304-B004	(GT)	83,689	Ton	Granular Material, Class 5, Group D
0510	304-B008	(GT)	135,867	Ton	Granular Material, Class 9, Group B
0520	307-B003	(M)	160,311	Square Yard	6" Soil-Lime-Water Mixing, Class B
0530	307-D001		2,164	Ton	Lime
0540	307-S001	(A3)	40,078	Gallon	Bituminous Curing Seal
0550	308-A001		4,369	Ton	Cement
0560	308-B002	(M)	259,020	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Base
0570	308-B003	(M)	160,311	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Design Soil
0580	308-S001	(A3)	64,755	Gallon	Bituminous Curing Seal
0590	406-D001		92,735	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0600	407-A001	(A2)	61,519	Gallon	Asphalt for Tack Coat
0610	423-A001		14	Mile	Rumble Strips, Ground In
0620	501-E001		11	Linear Feet	Expansion Joints, Without Dowels
0630	501-K001		376	Square Yard	Transverse Grooving
0640	503-C010		9,500	Linear Feet	Saw Cut, Full Depth
0650	602-A001	(S)	641,464	Pounds	Reinforcing Steel
0660	603-A045	(S)	104	Linear Feet	24" Steel Pipe, Jacked or Bored

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	603-A046	(S)	96	Linear Feet	30" Steel Pipe, Jacked or Bored
0680	603-A049	(S)	104	Linear Feet	48" Steel Pipe, Jacked or Bored
0690	603-ALT003	(S)	4,722	Linear Feet	18" Type A Alternate Pipe
0700	603-ALT006	(S)	552	Linear Feet	24" Type A Alternate Pipe
0710	603-ALT009	(S)	184	Linear Feet	30" Type A Alternate Pipe
0720	603-ALT011	(S)	232	Linear Feet	36" Type A Alternate Pipe
0730	603-ALT013	(S)	40	Linear Feet	36" x 23" Type A Alternate Pipe
0740	603-ALT017	(S)	56	Linear Feet	51" x 31" Type A Alternate Pipe
0750	603-ALT021	(S)	384	Linear Feet	73" x 45" Type A Alternate Pipe
0760	603-CA011	(S)	4,840	Linear Feet	18" Reinforced Concrete Pipe, Class III
0770	603-CA013	(S)	432	Linear Feet	18" Reinforced Concrete Pipe, Class IV
0780	603-CA026	(S)	2,207	Linear Feet	24" Reinforced Concrete Pipe, Class III
0790	603-CA040	(S)	380	Linear Feet	30" Reinforced Concrete Pipe, Class III
0800	603-CA042	(S)	664	Linear Feet	30" Reinforced Concrete Pipe, Class IV
0810	603-CA048	(S)	136	Linear Feet	30" Reinforced Concrete Pipe, Class V
0820	603-CA055	(S)	16	Linear Feet	36" Reinforced Concrete Pipe, Class III
0830	603-CA066	(S)	96	Linear Feet	42" Reinforced Concrete Pipe, Class III
0840	603-CA068	(S)	744	Linear Feet	42" Reinforced Concrete Pipe, Class IV
0850	603-CA073	(S)	720	Linear Feet	42" Reinforced Concrete Pipe, Class V, Class B Bedding
0860	603-CA076	(S)	240	Linear Feet	48" Reinforced Concrete Pipe, Class III
0870	603-CA084	(S)	328	Linear Feet	48" Reinforced Concrete Pipe, Class V, Class B Bedding
0880	603-CA087	(S)	120	Linear Feet	54" Reinforced Concrete Pipe, Class III
0890	603-CA095	(S)	104	Linear Feet	54" Reinforced Concrete Pipe, Class V, Class B Bedding
0900	603-CA099	(S)	880	Linear Feet	60" Reinforced Concrete Pipe, Class III
0910	603-CB003	(S)	48	Each	18" Reinforced Concrete End Section
0920	603-CB004	(S)	31	Each	24" Reinforced Concrete End Section
0930	603-CB005	(S)	13	Each	30" Reinforced Concrete End Section
0940	603-CB006	(S)	2	Each	36" Reinforced Concrete End Section
0950	603-CB007	(S)	14	Each	42" Reinforced Concrete End Section
0960	603-CB008	(S)	5	Each	48" Reinforced Concrete End Section
0970	603-CB009	(S)	2	Each	54" Reinforced Concrete End Section
0980	603-CB010	(S)	9	Each	60" Reinforced Concrete End Section
0990	603-CE002	(S)	224	Linear Feet	22" x 13" Concrete Arch Pipe, Class A III

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Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1000	603-CE008	(S)	32	Linear Feet	29" x 18" Concrete Arch Pipe, Class A III
1010	603-CE013	(S)	128	Linear Feet	36" x 23" Concrete Arch Pipe, Class A III
1020	603-CE034	(S)	488	Linear Feet	65" x 40" Concrete Arch Pipe, Class A III
1030	603-CF002	(S)	3	Each	22" x 13" Concrete Arch Pipe End Section
1040	603-CF003	(S)	2	Each	29" x 18" Concrete Arch Pipe End Section
1050	603-CF004	(S)	3	Each	36" x 23" Concrete Arch Pipe End Section
1060	603-CF008	(S)	4	Each	65" x 40" Concrete Arch Pipe End Section
1070	604-A001		1,952	Pounds	Castings
1080	604-B001		13,100	Pounds	Gratings
1090	605-AA001	(S)	605	Square Yard	Geotextile for Subsurface Drainage, Type III
1100	605-O002	(S)	1,088	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
1110	605-P002	(S)	132	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
1120	605-W001	(GY)	40	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
1130	606-A003		162	Each	Guard Posts
1140	606-B001		2,463	Linear Feet	Guard Rail, Class A, Type 1
1150	606-C003		2	Each	Guard Rail, Cable Anchor, Type 1
1160	606-D022		24	Each	Guard Rail, Bridge End Section, Type I
1170	606-E005		24	Each	Guard Rail, Terminal End Section, Flared
1180	609-B002	(S)	140	Linear Feet	Concrete Curb, Header
1190	609-B003	(S)	1,654	Linear Feet	Concrete Curb, Special Design
1200	609-D003	(S)	11,677	Linear Feet	Combination Concrete Curb and Gutter Type 2
1210	609-D004	(S)	2,171	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
1220	609-D008	(S)	380	Linear Feet	Combination Concrete Curb and Gutter Type 3A
1230	609-D012	(S)	15,284	Linear Feet	Combination Concrete Curb and Gutter Type 3A Modified
1240	609-D013	(S)	3,334	Linear Feet	Combination Concrete Curb and Gutter Type 3B
1250	609-D014	(S)	2,165	Linear Feet	Combination Concrete Curb and Gutter Type 3B Modified
1260	610-A001		270	Linear Feet	Cable Barrier
1270	610-B001		1	Each	Cable Barrier Terminal Section
1280	612-A001		100	Cubic Yard	Flowable Fill, Excavatable
1290	613-D003		7	Each	Adjustment of Inlet
1300	614-A001	(S)	3,025	Square Yard	Concrete Driveway, Without Reinforcement
1310	615-A011	(S)	564	Linear Feet	Concrete Type I Cast-in-Place Median Barrier, 42" High
1320	615-A024	(S)	1,110	Linear Feet	Concrete Bridge End Barrier, 37.5"
1330	616-A001	(S)	7,375	Square Yard	Concrete Median and/or Island Pavement, 10-inch

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1340	616-A004	(S)	2,956	Square Yard	Concrete Median and/or Island Pavement, 4-inch
1350	617-A001		338	Each	Right-of-Way Marker
1360	619-A1001		17	Mile	Temporary Traffic Stripe, Continuous White
1370	619-A2001		17	Mile	Temporary Traffic Stripe, Continuous Yellow
1380	619-A3001		14	Mile	Temporary Traffic Stripe, Skip White
1390	619-A5001		93,086	Linear Feet	Temporary Traffic Stripe, Detail
1400	619-A6002		4,643	Linear Feet	Temporary Traffic Stripe, Legend
1410	619-C9001		75	Each	One-Way Yellow Reflective High Performance Raised Marker
1420	619-D1001		121	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1430	619-D2001		4,179	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1440	619-D3001		894	Each	Remove and Reset Signs, All Sizes
1450	619-E1001		1	Each	Flashing Arrow Panel, Type C
1460	619-F1001		478	Linear Feet	Concrete Median Barrier, Precast
1470	619-F3001		88	Each	Delineators, Guard Rail, White
1480	619-F3002		66	Each	Delineators, Guard Rail, Yellow
1490	619-G4001		246	Linear Feet	Barricades, Type III, Double Faced
1500	619-G4005		3,342	Linear Feet	Barricades, Type III, Single Faced
1510	619-G5001		203	Each	Free Standing Plastic Drums
1520	619-G7001		33	Each	Warning Lights, Type "B"
1530	619-G8001		38	Each	Warning Lights, Type "C"
1540	619-J1002		3	Each	Impact Attenuator, 45 MPH
1550	619-J2002		3	Each	Impact Attenuator, 45 MPH, Replacement Package
1560	620-A001		1	Lump Sum	Mobilization
1570	621-A001		1	Each	Field Laboratory
1580	629-A004		2	Each	Vehicular Impact Attenuator, 60 MPH
1590	629-B001		2	Each	Median Barrier End Section
1600	630-A001		485	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1610	630-A003		2,378	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1620	630-B002		438	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1630	630-C001		855	Linear Feet	Square Tube Posts, 4.0 lb/ft
1640	630-C005		3,481	Linear Feet	Square Tube Posts, 2.0 lb/ft
1650	630-D010		193	Linear Feet	Structural Steel Beams, W8 x 21
1660	630-E001		182	Pounds	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1670	630-E005		204	Pounds	Structural Steel Angles & Bars, Aluminum Unistrut
1680	630-F006		88	Each	Delineators, Guard Rail, White
1690	630-F007		66	Each	Delineators, Guard Rail, Yellow
1700	630-F009		12	Each	Delineators, Median Barrier Mounted, Type I, Yellow
1710	630-F010		68	Each	Delineators, Post Mounted, Double White
1720	630-F011		8	Each	Delineators, Post Mounted, Double Yellow
1730	630-F012		65	Each	Delineators, Post Mounted, Single White
1740	630-F013		13	Each	Delineators, Post Mounted, Single Yellow
1750	630-G005		20	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
1760	635-A059		16	Each	Traffic Signal Head, Type 1
1770	635-A060		4	Each	Traffic Signal Head, Type 1A
1780	635-A061		11	Each	Traffic Signal Head, Type 2
1790	635-A063		6	Each	Traffic Signal Head, Type 2R
1800	635-A069		2	Each	Traffic Signal Head, Type 2U
1810	647-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
1820	682-A028		500	Linear Feet	Underground Branch Circuit, AWG 4, 3 Conductor
1830	682-E003		2	Each	Underground Junction Box With Concrete Pad
1840	684-A003		16	Cubic Yard	Pole Foundation, 24" Diameter
1850	684-B003		18	Linear Feet	Slip Casing, 24" Diameter
1860	699-A001		1	Lump Sum	Roadway Construction Stakes
1870	815-A007	(S)	19,110	Ton	Loose Riprap, Size 300
1880	815-E001	(S)	8,003	Square Yard	Geotextile under Riprap
1890	815-F002	(S)	2,190	Ton	Sediment Control Stone
1900	907-234-A001		141,050	Linear Feet	Temporary Silt Fence
1910	907-234-D001		35	Each	Inlet Siltation Guard
1920	907-234-E001		35	Each	Reset Inlet Siltation Guard
1930	907-253-A001		8,778	Linear Feet	Coir Fiber Baffle
1940	907-403-A002	(BA1)	26,616	Ton	12.5-mm, MT, Asphalt Pavement
1950	907-403-A003	(BA1)	3,837	Ton	12.5-mm, ST, Asphalt Pavement
1960	907-403-A005	(BA1)	31,152	Ton	19-mm, MT, Asphalt Pavement
1970	907-403-A006	(BA1)	36,934	Ton	19-mm, ST, Asphalt Pavement
1980	907-403-A014	(BA1)	27,193	Ton	9.5-mm, MT, Asphalt Pavement
1990	907-403-A015	(BA1)	641	Ton	9.5-mm, ST, Asphalt Pavement
2000	907-403-B002	(BA1)	106	Ton	12.5-mm, MT, Asphalt Pavement, Leveling

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2010	907-413-E001		1,200	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
2020	907-501-A001	(C)	497	Square Yard	6" Reinforced Cement Concrete Pavement, Broom Finish
2030	907-502-A001	(C)	2,739	Square Yard	Reinforced Cement Concrete Bridge End Pavement
2040	907-601-A001	(S)	3,416	Cubic Yard	Class "B" Structural Concrete
2050	907-601-B001	(S)	224	Cubic Yard	Class "B" Structural Concrete, Minor Structures
2060	907-618-A001		1	Lump Sum	Maintenance of Traffic
2070	907-619-E3001		5	Each	Changeable Message Sign
2080	907-626-A007		15	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
2090	907-626-C012		17	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
2100	907-626-E003		2	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
2110	907-626-F003		11	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
2120	907-626-G006		99,874	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
2130	907-626-G007		38,329	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
2140	907-626-H006		5,862	Square Feet	Thermoplastic Double Drop Legend, White
2150	907-626-H007		1,753	Linear Feet	Thermoplastic Double Drop Legend, White
2160	907-627-J001		547	Each	Two-Way Clear Reflective High Performance Raised Markers
2170	907-627-K001		3,668	Each	Red-Clear Reflective High Performance Raised Markers
2180	907-627-L001		514	Each	Two-Way Yellow Reflective High Performance Raised Markers
2190	907-632-A007		3	Each	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller
2200	907-632-J001		3	Each	Power Service Pedestal
2210	907-634-A042		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 30' Arm
2220	907-634-A044		3	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 40' Arm
2230	907-634-A045		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 45' Arm
2240	907-634-A047		3	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 55' Arm
2250	907-634-A048		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 60' Arm
2260	907-634-A247		1	Each	Traffic Signal Equipment Pole, Type III(L), 30' Shaft, 35' & 60' Arm
2270	907-634-A539		10	Each	Traffic Signal Equipment Pole, Type V, 10' Shaft
2280	907-634-C001		34	Cubic Yard	Pole Foundations, Class "B" Concrete
2290	907-636-B003		2,688	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 10, 2 Conductor
2300	907-636-B016		10,026	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
2310	907-636-B028		742	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor
2320	907-637-A002		22	Each	Pullbox Enclosure, Type 2
2330	907-637-A003		4	Each	Pullbox Enclosure, Type 3

Line No. 2340	Item Code 907-637-C028	Adj Code	Quantity 1,259	Units Linear Feet	Description [Fixed Unit Price] Troffic Signal Conduit Underground Type 4.2"
					Traffic Signal Conduit, Underground, Type 4, 2"
2350	907-637-C030		1,562	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
2360	907-637-D003		1,148	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
2370	907-641-A002		11	Each	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
2380	907-641-B002		6	Each	Signal Advanced Radar Vehicle Detection Sensor, Type 2
2390	907-641-D001		6,645	Linear Feet	Radar Vehicle Detection Cable
2400	907-641-F002		3	Each	Signal Radar Vehicle Detection Processor, Type 2
2410	907-650-A004		2	Each	On Street Video Equipment, PTZ Type, Signal Monitoring
2420	907-653-A001		170	Square Feet	Traffic Sign
2430	907-653-B001		116	Square Feet	Street Name Sign
2440	907-662-D002		2	Each	Radio Interconnect, Broadband, Short Range
2450	907-663-A006		3	Each	Network Switch, Type F
2460	907-683-PP001		4	Each	Lighting Assembly, Per Plans
2470	907-809-A005	(S)	981	Square Feet	Retaining Wall System, Temporary Shoring
2480	907-906001		1,040	Hours	Trainees [\$5.00]
			ALTERNATE G	ROUP AA NUMBER	₹1
2490	304-F001	(GT)	23,650	Ton	3/4" and Down Crushed Stone Base
			ALTERNATE G	ROUP AA NUMBER	₹2
2500	304-F002	(GT)	23,650	Ton	Size 610 Crushed Stone Base
			ALTERNATE G	ROUP AA NUMBER	₹3
2510	304-F003	(GT)	23,650	Ton	Size 825B Crushed Stone Base
			ALTERNATE G	ROUP BB NUMBER	₹1
2520	605-W002	(GY)	524	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains,Type B, FM
			ALTERNATE G	ROUP BB NUMBER	₹2
2530	605-W003	(GY)	524	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains,Type C, FM
			Brid	lge Items	
2540	501-K001		18,182	Square Yard	Transverse Grooving
2550	803-D007	(S)	3,660	Linear Feet	HP 14 x 89 Steel Piling
2560	803-P003	(S)	1,840	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.500"
2570	803-P004	(S)	2,925	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.750"
2580	803-P009	(S)	675	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.625"
2590	803-P010	(S)	11,885	Linear Feet	20" Steel Pipe Piling, Wall Thickness 0.625"
2600	803-P015	(S)	15,175	Linear Feet	24" Steel Pipe Piling, Wall Thickness 0.625"
2610	804-C186	(S)	1,314	Linear Feet	110' Prestressed Concrete Beam, Type FIB-45

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2620	804-C188	(S)	15,369	Linear Feet	80' Prestressed Concrete Beam, Type FIB-36
2630	804-C192	(S)	595	Linear Feet	100' Prestressed Concrete Beam, Type FIB-36
2640	804-C196	(S)	835	Linear Feet	140' Prestressed Concrete Beam, Type FIB-63
2650	804-C200	(S)	1,114	Linear Feet	75' Prestressed Concrete Beam, Type FIB-36
2660	804-C201	(S)	2,453	Linear Feet	95' Prestressed Concrete Beam, Type FIB-36
2670	804-C207	(S)	895	Linear Feet	150' Prestressed Concrete Beam, Type FIB-63
2680	804-C208	(S)	1,428	Linear Feet	60' Prestressed Concrete Beam, Type FIB-36
2690	804-C272	(S)	1,315	Linear Feet	102' Prestressed Concrete Beam, Type FIB-45
2700	805-A001	(S)	1,762,719	Pounds	Reinforcement
2710	805-C001	(S)	62,348	Pounds	Reinforcement, Corrosion Resistant
2720	813-A004	(S)	8,334	Linear Feet	Concrete Railing, 36"
2730	815-A002	(S)	3,199	Ton	Loose Riprap, Size 100
2740	815-A007	(S)	37,122	Ton	Loose Riprap, Size 300
2750	815-E001	(S)	33,507	Square Yard	Geotextile under Riprap
2760	907-803-B001	(S)	11	Each	Conventional Static Pile Load Test [\$5,000.00]
2770	907-803-1003	(S)	1	Each	PDA Test Pile, HP Steel Pile
2780	907-803-1004	(S)	23	Each	PDA Test Pile, Steel Pipe Pile
2790	907-803-J001	(S)	24	Each	Pile Restrike
2800	907-804-A001	(S)	5,635	Cubic Yard	Bridge Concrete, Class BDX
2810	907-804-A002	(S)	2,718	Cubic Yard	Bridge Concrete, Class AA
2820	907-809-A001	(S)	6,305	Square Feet	Retaining Wall System
2830	907-823-A001		738	Linear Feet	Preformed Joint Seal, Type I
2840	907-823-A002		416	Linear Feet	Preformed Joint Seal, Type II