



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

August 9, 2021

CALL NO. 201
CONTRACT ID NO. 211039
ADDENDUM # 1

Subject: Franklin County, 037GR21D039
Letting August 20, 2021

- (1) Revised - Special Note Index - Page 17 of 141
- (2) Added - Special Note - Pages 28a-28e of 141
- (3) Added - Special Note - Pages 28f-28g of 141
- (4) Added - Summary Sheet- Page 28h of 141
- (5) Revised - Special Note - Page 33 of 141
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- (7) Revised - Material Summary - Pages 78-85 of 141
- (8) Revised - Proposal Bid Items - Pages 134-141a of 141

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

FRANKLIN COUNTY, INTERSTATE I-64

ITEM NO. 5-2035.80 BRIDGE REPLACEMENT PROJECT - CULVERT REHABILITATION

SPECIAL NOTE INDEX

- SPECIAL NOTE FOR EPOXY INJECTION CRACK REPAIR
- SPECIAL NOTE FOR CONCRETE PATCHING REPAIR
- SPECIAL NOTE FOR CULVERT CLEANING
- SPECIAL NOTE FOR CONCRETE SEALING
- SPECIAL NOTE FOR PORTABLE QUEUE WARNING ALERT SYSTEM
- SPECIAL NOTE FOR QUEUE PROTECTION VEHICLE

BRIDGE INDEX

- I-64 & KY-2817 over Tributary to South Benson Creek (037B00061N)

Special Note for Portable Queue Warning Alert System

1.0 Description

This item shall consist of furnishing, installing, relocating, operating, servicing, and removing various components of a portable, quickly deployable, real-time automated ITS queue warning alert system (PQWAS), in accordance with the standard specifications and this special provision. The Contractor shall also provide the maintenance of the complete system for the duration of the project or as directed by the Project Engineer. The Department is willing to look at different technologies (i.e. allow the use of crowd sourcing data to be used in lieu of the portable radar sensors). Any changes to the below requirements must be submitted and approved by the Engineer.

2.0 Materials

Materials shall be in accordance as follows:

All materials used shall meet the manufacturer's specifications and recommendations.

All PQWAS materials installed on the project shall be provided by the Contractor in excellent quality condition, shall be corrosion resistant and in strict accordance with all of the details shown within Contractor's Plans approved by KYTC. The Contractor shall maintain an adequate inventory of parts and replacement units to support maintenance and repair of the PQWAS. Pre-deployment is a condition of the system's acceptance and is based on the successful performance demonstration for a (5) day continuous period in accordance to this specification and as set forth in the plans. Ensure compliance to all FCC and Department specifications.

The Contractor shall maintain this system and shall be locally available to service and maintain system components, move portable devices as necessary and respond to emergency situations. The Contractor has oversight responsibility for directing placement of devices in the project area. The Contractor is to be accessible seven (7) days a week and twenty-four (24) hours a day while the system is deployed. The Contractor shall provide contact information for the system's coordinator and others responsible for maintenance of the system prior to installation of the system. Furnish a System Coordinator for monitoring the PQWAS throughout all periods of deployment.

A. General Capabilities and Performance Requirements

1. Overall PQWAS capabilities and performance requirements include the following:
 - a. Furnish a system capable of providing advance traffic information to motorists when there is a queueing of traffic due to congestion resulting from lane reductions, emergency events or other conditions. The condition-responsive notification to the motorist occurs with the use of Portable Changeable Message Signs (PCMS) in accordance to the below capabilities and performance requirements, activated through real-time traffic data collected downstream of the PCMS locations. This equipment must

be a packaged system, pre-programmed and operates as a stand-alone PQWAS meeting this specification. Conditions might exist that require relocation of the portable sensors at any given time, the sensors shall be portable and shall not require re-calibration in the field for fast deployments. Due to the potential need to replace damaged sensors or to change the position of one or more sensors at any given time, sensors must be interchangeable and relocatable by an unskilled laborer. The system must continue to function if as many as half the sensors fail to function.

- b. Provide a PQWAS that consists of the following field equipment: portable radar sensors and portable changeable message signs (PCMS). Provide a system capable of withstanding inclement weather conditions while continuing to provide adequate battery power. The portable radar sensor battery, in a stand-alone state and without a solar panel for recharging, shall be capable of keeping power and capable of sending data for (10) consecutive days or longer. The system shall notify drivers of real-time queue events via specifically placed PCMS units up stream of the work zone. All predetermined/preprogrammed messages are to be approved by KYTC. The number and location of portable radar sensors and PCMS units shall be as directed by the Project Engineer. The decision to deploy or relocate field equipment is made by the Project Engineer and instrumented through the System Coordinator. The decision for equipment removal is made by the Project Engineer after work is complete. The sensors and PCMS units shall be identifiable via global positioning system (GPS) and shall contain an accelerometer to detect and alert of unauthorized movement.
- c. The portable radar sensor shall be capable of collecting traffic speed data. The processed data is used to remotely control PCMS units to display user definable, Engineer approved and locally stored messages. The message trigger state thresholds for slow and stopped speeds shall be user configurable and revisable in less than {1} hour from the Project Engineer's request. Weekly Traffic Data Reports shall be presented to the Project Engineer and shall include speed data per sensor location, travel times, and queue lengths in graphical and numerical formats. In the event the Project Engineer requires a report, other than a weekly report, for any reason; then the Contractor shall provide report within (48) hours of request. Unlimited data reports shall be included within price of system. Sensors shall require no calibration adjustments in the field. Sensor should begin transmitting data within (30) seconds of being turned on. Satellite (SAT) communications will be required when cellular service does not provide continuous communications. Contractor shall identify the most trustworthy cellular provider within the project area.
- d. Data shall be accessible through a website and the Contractor shall provide a username and password for protection. The website shall be accessible seven (7) days a week and twenty - four (24) hours a day. The website shall provide historical & real-time data in graphical and numerical formats and shall have the capability of being integrated within the Department's Traffic Management Center (if requested). The website should be compatible to most hand held devices. Data shall be saved on the manufacturer's network for up to (5) years from the deployment date of system and shall be provided at the request

of the Department at any time within the (5) year window. The use of the website shall be included within the price of system.

- e. Warning Alerts: queue events, low battery voltage warnings, sensor movement alerts, high and low speed alerts shall be provided via cellular text messaging and/or via email messaging at the request of select Contractor personnel and KYTC officials.
- f. The PQWAS system shall have the capabilities to provide alternate route messaging on specifically placed portable changeable message units and/or fixed Variable Message Systems (VMS). The intent of this service is to provide alternate route messaging to motorists before entering the project limits from all directions and giving them appropriate time to adjust their routes. Alternative routes shall be predefined and approved by KYTC. Additional PCMS units may be required for alternate route messaging and will be as per Section 5.0 of this note. KYTC's Traffic Management Center will provide detour messages via fixed VMS units during the term of the project.

B. Portable Radar Sensor Capabilities and Performance Requirements

The PQWAS shall include portable radar sensors (PRD) to monitor and detect queue events.

1. The Radar Sensor shall be FHWA accepted to meet NCHRP 350 test requirements
2. The Radar Sensor shall be locatable at all times via an internal Global Positioning System (GPS) and shall be capable of Cellular or SAT Communications.
3. The Radar Sensor shall have a dry-cell battery capable of powering the system for (10) consecutive days or longer
4. The Radar sensor shall be K-Band technology and have a line of sight up to 200 linear feet without obstruction
5. The Radar sensor shall have the ability to be charged in the field through adaptable solar recharging technology in the case the sensor is utilized for more than 10 consecutive days

C. PCMS Capabilities and Performance Requirements

The PQWAS shall include portable changeable message signs (PCMS) designated to relay automated messaging of queue events, alternate route messages, and caution for the work area defined by the project limits. PCMS placements shall meet the requirements set forth by the Cabinet in each direction of the National Highway System (NHS).

1. The PCMS unit shall be a Full Matrix 24 rows x 50 columns and shall be capable of 1 line, 2line or 3 line messages
2. The PCMS unit shall be legible from a distance over twelve hundred feet (1200')
3. The height and size of characters shall be 18" to 58"
4. The PCMS shall be capable of storing up to 199 pre-programmed messages and up to 199 user-defined messages
5. The PCMS shall have a weather tight control cabinet with back lit LCD handheld controller.
6. The PCMS shall utilize a hydraulic lift to raise the unit to display height
7. The PCMS unit shall include solar recharging ports to allow for recharging of the portable radar sensors when they are not deployed.
8. The PCMS shall be NTCIP compliant and shall have an active Modem with active cellular service.

9. The user shall have the ability to communicate and override the PCMS remotely in the event of an emergency, Amber Alert, etc.
10. The PCMS unit shall have a docking station to include safety rails that allow a commercial safety strap to tie down the portable radar sensors while in transport. The docking station shall hold-up to (4) sensors safely and securely at all times

3.0 Construction Requirements

All communication costs include cellular telephone services, FCC licensing, wireless data networks, satellite and internet subscription charges, and battery charging and maintenance. Additional to these requirements, the Contractor shall assume all responsibility for any and all damaged equipment due to crashes, vandalism, and adverse weather that may occur during the contract period.

The PQWAS shall operate continuously (24 hours/ 7 Days) when deployed on the project. The system is in a constant "data collection" mode when deployed. The Contractor shall provide technical support for the PQWAS for all periods of operation.

In the event communication is lost with any component of the PQWAS, provide a means and staff to manually program a PCMS message. If communication is lost for more the 10 consecutive minutes, the system shall revert to a fail-safe ROADWORK/# MILES/AHEAD message displayed on the PCMS units until communication is restored.

System Operator, local control function and remote management operation must be password protected.

The PQWAS shall be capable of acquiring traffic information and selecting messages automatically without operator intervention after system utilization. The lag time between changes in threshold ranges and the posting of the appropriate PCMS message(s) shall be no greater than (60) seconds. The system operation and accuracy must not be appreciably degraded by inclement weather or degraded visibility conditions including precipitation, fog, darkness, excessive dust, and road debris.

The system shall be capable of storing ad-hoc messages created by the System Coordinator and logging this action when overriding any default or automatic advisory message.

The PQWAS communication system shall incorporate an error detection/correction mechanism to insure the integrity of all traffic conditions data and motorists information messages. Any required configuration of the PQWAS communication system shall be performed automatically during system initialization.

The system's acceptance is based on the successful performance demonstration of PQWAS for a (5) day continuous period in accordance to this specification and as set forth in the plans. Ensure compliance to all FCC and Department specifications.

4.0 Equipment Maintenance.

Maintain system components in good working condition at all times. Repair or replace damaged or malfunctioning components, at no cost to the Department, as soon as possible and within (12) hours of notification by the Engineer. Periodically clean PCMS units if necessary.

5.0 Measurement. The Department will measure each item below in Months. For partial months the Department will pay in 0.25 increments based on the number of calendar days in the below table.

Partial Month Payment Schedule

Days	Increment
0-7 days	0.25
8-14 days	0.50
15-21 days	0.75
22-31 days	1.00

5.1 Portable Queue Warning Alert System includes cellular (SAT communications will be required if cellular is not available), all supporting field equipment, website, and unlimited data reports accessible by the Engineer. It will be measured by the number of months authorized by the Engineer for use on the project.

5.2 Queue Warning PCMS will be measured by each individual unit multiplied by the number of months authorized by the Engineer for use on the project.

5.3 Queue Warning Portable Radar Sensors will be measured by each individual unit multiplied by the number of months authorized by the Engineer for use on the project. Queue Warning Portable Radar Sensors will not be measured for payment if the Contractor utilizes a system operating on crowd sourcing data. Crowd sourcing data systems will only be allowed as approved by the engineer and will be considered incidental to Portable Queue Warning Alert System.

6.0 Payment.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
26136EC	Portable Queue Warning Alert System	Month
26137EC	Queue Warning PCMS	Month
26138EC	Queue Warning Portable Radar Sensors	Month

Special Note for Traffic Queue Protection Vehicle

1.0 DESCRIPTION. Furnish, Operate, and Maintain Traffic Queue Protection Vehicle at locations and times described herein. The Queue Protection Vehicle is expected to alert motorists (inside and outside of project limits) of all stopped traffic caused by construction activities or incidents within the project limits.

2.0 MATERIALS. The contractor shall provide a minimum of one (1) queue protection vehicle for each traveling direction where traffic flow is reduced or modified in a manner where a queue could occur. One (1) additional queue protection vehicle shall be onsite in reserve. The Traffic Queue Protection Vehicle must fulfill the following minimum requirements:

1. A truck mounted attenuators that meets or exceeds NCHRP TL-3 requirements.
2. Four (4) round yellow strobe lights (with auto-dimmers) positioned rear facing
 - Two (2) mounted under rear bumper
 - Two (2) mounted at cab level
 - Visibility of strobe lights can not be deterred by attenuator
3. One (1) standard cab mounted light bar.
4. A truck mounted message board with a minimum of 3 Lines and 8 Characters per line.
5. Four Hour National Traffic Incident Management (TIM) Responder Training for Queue Truck Operators.

3.0. CONSTRUCTION. A queue will be defined as anytime that traffic traveling through the project is reduced to a speed of twenty (20) miles per hour or less. The following procedures will be followed when a traffic queue occurs until free flow traffic conditions are present:

- The queue protection vehicle shall be positioned no further than ½ mile upstream from the back of the slow moving traffic.
- The queue protection vehicle shall be positioned on the shoulder and clear of the traveled way so as not to impede traffic.
- The queue protection vehicle shall relocate as needed to maintain approximately ½ mile distance from the back of the slow moving traffic.
- The 2nd queue protection vehicle shall be held in reserve, on site, and support the primary vehicle if conditions prevent repositioning by reverse. This vehicle shall not be paid for idle time.
- Queue Protection Vehicles shall be kept in project limits during planned lane closures and other project activities expected to cause a queue. One Queue Protection Vehicle shall remain on the project at all times available to respond to incidents within the project limits in a timely manner.
- Queue length estimates and traffic conditions shall be reported to the KYTC project engineer or designee at the following periods:
 1. At 30 minute intervals
 2. At significant changes
 3. When free flow traffic is achieved
- The KYTC project engineer or designee will document all daily queue reports and provide these logs to the Director of Maintenance and Director of Construction at the end of each month.

The Queue Protection Vehicle shall be mobilized by the Project Engineer or designee for planned construction activities. For unplanned incidents mobilization should be initiated by the first person (KYTC's or Contractor's project staff) receiving notification of the queue.

4. MEASUREMENT.

4.01 Queue Protection Vehicle. The Department will measure the time from when the vehicle is in position protecting the queue until either free flow traffic is achieved or the vehicle is no longer protecting the queue, whichever occurs first. Idle time will not be paid. The Department will not measure mobilization, removal, maintenance, labor, fuel, or any additional items but will consider them all incidental to this item of work.

4.02 Furnish Queue Protection Vehicles. The Department will measure the quantity by each month the Engineer requires to have the Contractor furnish vehicles as defined in '2.0 Materials' of this Special Note. The Department will not measure mobilization, removal, labor, fuel, or any additional items but will consider them all incidental to this item of work. Partial Months will be calculated as shown in the table below.

Partial Month Payment Schedule	
Days	Increment
0-7 days	0.25
8-14 days	0.50
15-21 days	0.75
22-31 days	1.00

5. PAYMENT.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
25075EC	Queue Protection Vehicle	Hour
25117EC	Furnish Queue Protection Vehicles	Month

QUEUE PROTECTION/SYSTEM SUMMARY SHEET

Franklin County
I-64
SYP 5-2035.80

BID ITEM	DESCRIPTION	UNIT	QUANTITY
25075EC	QUEUE PROTECTION VEHICLE	HOUR	1000
25117EC	FURNISH QUEUE PROTECTION VEHICLE	MONT	24
26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	MONT	24
26137EC	QUEUE WARNING PCMS	MONT	48
26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	MONT	48

*Bid Items have not been carried forward to the General Summary

NOTE: See Special Note for Traffic Queue Protection Vehicle (if applicable)
See Special Note for Portable Queue Warning Alert System (if applicable)

SPECIAL NOTE

Waste and Borrow Areas

Waste and/or borrow areas are anticipated for this project. The contractor will be responsible for obtaining all environmental clearances for waste or borrow areas including, but not limited to: Section 106 of the National Historic Preservation Act, Section 7 of the Endangered Species Act, and Sections 404/401 of the Clean Water Act. The contractor shall not use any proposed waste/borrow areas until all approvals have been obtained and submitted to the Department.

SPECIAL NOTE FOR EXPERIMENTAL KYCT AND HAMBURG TESTING

1.0 General

1.1 Description. The KYCT (Kentucky Method for Cracking Test) and the Hamburg test results will help determine if the mixture is susceptible to cracking and rutting. During the experimental phase, data will be gathered and analyzed by the Department to determine the durability of the bituminous mixes. Additionally, the data will help the Department to create future performance based specifications which will include the KYCT and Hamburg test methods.

2.0 Equipment

2.1 KYCT Testing Equipment. The Department will require a Marshall Test Press with digital recordation capabilities. Other CT testing equipment may be used for testing with prior approval by the Department.

2.2 Water Baths. One or more water baths will be required that can maintain a temperature of 77° +/- 1.8° F with a digital thermometer showing the water bath temperature. Also, one water bath shall have the ability to suspend gyratory specimen fully submerged in water in accordance with AASHTO T-166, current edition.

2.3 Hamburg Wheel Track Testing. The department encourages the use of the PTI APA/Hamburg Jr. test equipment to perform the loaded wheel testing. The Department will allow different equipment for the Hamburg testing, but the testing device must be approved by the Department prior to testing.

2.4 Gyratory Molds. Gyratory molds will be required to assist in the production of gyratory specimens in accordance with AASHTO T-312, current edition.

2.5 Ovens. Adequate (minimum of two ovens) will be required to accommodate the additional molds and asphalt mixture necessary to perform the acceptance testing as outlined in Section 402 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.

2.6 Department Equipment. The Department will provide gyratory molds, PINE 850 Test Press with digital recordation, and CT testing equipment to assist during this experimental phase so data can be gathered. Hamburg test specimens will be submitted to the Division of Materials for testing on the PTI APA/Hamburg Jr if the asphalt contractor or district materials office does not have an approved Hamburg testing device.

3.0 Testing Requirements

3.1 Acceptance Testing. Perform all acceptance testing and aggregate gradation as according with Section 402 and Section 403 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.

3.2 KYCT Testing. Perform crack resistance analysis (KYCT) in accordance with the current Kentucky Method for KYCT Index Testing during the mix design phase and during the plant production of all surface mixtures. For mix design approvals, submit KYCT results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.

3.2.1 KYCT Frequency. Obtain an adequate sample of hot mix asphalt to insure the acceptance testing, gradation, and KYCT gyratory samples can be fabricated and is representative of the bituminous mixture. Acceptance specimens shall be fabricated first, then immediately after, fabricate the KYCT samples with the gyratory compactor in accordance with Section 2.4 of this Special Note. Analysis of the KYCT specimens and gradation will be required one per subplot produced from the same asphalt material and at the same time as the acceptance specimen is sampled and tested.

3.2.2 Number of Specimens and Conditioning. Fabricate specimens in accordance with the Kentucky Method for KYCT Index Testing. Contrary to the method, fabricate a minimum of 3 and up to 6 test specimens. The specimens shall be compacted at the temperature in accordance to KM 64-411. KYCT mix design specimens shall be short-term conditioned for four hours at compaction temperature in accordance to KM 64-411. Contrary to the Kentucky Method, plant produced bituminous material shall be short-term conditioned immediately after sampling for two hours at compaction temperature in accordance to KM 64-411. Additionally, fabricated specimens shall be allowed to cool in air (fan is permissible) for 30 minutes +/- 5 minutes and conditioned in a 77 °F water bath for 30 minutes +/- 5 minutes. To insure confidence and reliability of the test results provided by KYCT testing and Hamburg testing, reheating of the asphalt mixture is prohibited.

3.2.3 Record Times. For each subplot, record the time required between drying aggregates in the plant to KYCT specimen fabrication. The production time may vary due to the time that the bituminous material is held in the silo. Record the preconditioning time when the time exceeds the one hour specimen cool down time as required in accordance to The Kentucky Method for KYCT Index Testing. The preconditioning time may exceed an hour if the technician is unable to complete the test on the same day or within the specified times as outlined in The Kentucky Method for KYCT Index Testing. The production time and the preconditioning time shall be recorded on the AMAW.

3.2.4 File Name. As according to section 7.12 of The Kentucky Method for KYCT Index Testing, save the filename with the following format; "CID_Approved Mix Number_Lot Number_Sublot Number_Date"

3.3 Hamburg Testing. Perform the rut resistance analysis (Hamburg) in accordance to AASTHO T-324, not to exceed 20,000 passes for all bituminous mixtures during the mix design phase and production. For mix design approvals, submit Hamburg results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.

3.3.1 Hamburg Testing Frequency. Perform testing and analysis per lot of material. The plant produced bituminous material sampled for the Hamburg test does not have to be obtained at the same time as the acceptance and KYCT sample. If the Hamburg test sample is not obtained at the same time as the KYCT sample, determine the Maximum Specific Gravity of the KYCT sample in accordance with AASTHO T-209 coinciding with the Hamburg specimens.

3.3.2 Record Times. Record the production time as according to section 3.2.3 in this special note. Also record the time that the specimens were fabricated and the time the Hamburg testing was started. All times shall be recorded on the AMAW.

3.3.3 File Name. Save the Excel spreadsheet with the following file name; “Hamburg_CID_Approved Mix Number_Lot Number_Sublot Number_Date” and upload the file into the AMAW.

4.0 Data

Submit the AMAW and all test data that was obtained for acceptance, gradation, KYCT, and Hamburg testing within five working days once all testing has been completed for a lot to Central Materials Lab and the District Materials Engineer. Also, any data and or comments that the asphalt contractor or district personnel deem informational during this experimental phase, shall also be submitted to the Central Materials Lab and the District Materials Engineer. Any questions or comments regarding any item in this Special Note can be directed to the Central Office, Division of Materials, Asphalt Branch.

5.0 KYCT Video Demonstration

<https://www.youtube.com/watch?v=84j0bM45-hg&feature=youtu.be>

6.0 Payment

Any additional labor and testing equipment that is required to fabricate and test the KYCT and Hamburg specimens shall be considered to be incidental to the asphalt surface line item. The Department will perform the testing for the KYCT and Hamburg specimens if a producer does not possess the proper equipment.

June 3, 2019

MATERIAL SUMMARY

CONTRACT ID: 211039

037GR21D039

DE03700642139

I-64 BRIDGE REPLACEMENT ON I-64 FROM MP 47.44 TO MP 48.01 OVER KY-151 IN FRANKLIN COUNTY BRIDGE WITH GRADE, DRAIN & SURFACE, A DISTANCE OF .63 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	10,429.00	TON
0010	00018	DRAINAGE BLANKET-TYPE II-ASPH	2,735.00	TON
0015	00100	ASPHALT SEAL AGGREGATE	111.30	TON
0020	00103	ASPHALT SEAL COAT	13.30	TON
0025	00190	LEVELING & WEDGING PG64-22	87.20	TON
0030	00194	LEVELING & WEDGING PG76-22	223.20	TON
0035	00205	CL3 ASPH BASE 1.50D PG64-22	468.00	TON
0040	00208	CL4 ASPH BASE 1.50D PG64-22	901.00	TON
0045	00214	CL3 ASPH BASE 1.00D PG64-22	832.00	TON
0050	00217	CL4 ASPH BASE 1.00D PG64-22	6,729.00	TON
0055	00219	CL4 ASPH BASE 1.00D PG76-22	1,126.00	TON
0060	00339	CL3 ASPH SURF 0.38D PG64-22	905.00	TON
0065	00342	CL4 ASPH SURF 0.38A PG76-22	1,711.00	TON
0070	00358	ASPHALT CURING SEAL	5.40	TON
0075	02585	EDGE KEY	1,234.00	LF
0080	02676	MOBILIZATION FOR MILL & TEXT - FD52 037 0064 047-052	1.00	LS
0085	02677	ASPHALT PAVE MILLING & TEXTURING	2,409.00	TON
0090	02702	SAND FOR BLOTTER	13.60	TON
0095	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	8,708.00	LF
0100	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	28.80	TON
0105	00078	CRUSHED AGGREGATE SIZE NO 2	4.00	TON
0110	01001	PERFORATED PIPE-6 IN	1,511.00	LF
0115	01011	NON-PERFORATED PIPE-6 IN	40.00	LF
0120	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - FD52 037 0064 047-052	1.00	LS
0125	01021	PERF PIPE HEADWALL TY 1-6 IN	3.00	EACH
0130	01029	PERF PIPE HEADWALL TY 3-6 IN	1.00	EACH
0135	01691	FLUME INLET TYPE 2	4.00	EACH
0140	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	17.00	EACH
0145	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	16.00	EACH
0150	01984	DELINEATOR FOR BARRIER - WHITE	166.00	EACH
0155	01985	DELINEATOR FOR BARRIER - YELLOW	374.00	EACH
0160	02003	RELOCATE TEMP CONC BARRIER	3,240.00	LF
0165	02014	BARRICADE-TYPE III	4.00	EACH
0170	02159	TEMP DITCH	1,660.00	LF
0175	02160	CLEAN TEMP DITCH	830.00	LF
0180	02200	ROADWAY EXCAVATION	46,712.00	CUYD
0185	02367	GUARDRAIL END TREATMENT TYPE 1	4.00	EACH
0190	02369	GUARDRAIL END TREATMENT TYPE 2A	4.00	EACH
0195	02381	REMOVE GUARDRAIL	3,191.00	LF
0200	02483	CHANNEL LINING CLASS II	558.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0205	02484	CHANNEL LINING CLASS III	1,579.00	TON
0210	02545	CLEARING AND GRUBBING - 16 ACRES- FD52 037 0064 047-052	1.00	LS
0215	02562	TEMPORARY SIGNS	800.00	SQFT
0220	02650	MAINTAIN & CONTROL TRAFFIC - FD52 037 0064 047-052	1.00	LS
0225	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0230	02701	TEMP SILT FENCE	1,660.00	LF
0235	02703	SILT TRAP TYPE A	35.00	EACH
0240	02704	SILT TRAP TYPE B	35.00	EACH
0245	02705	SILT TRAP TYPE C	35.00	EACH
0250	02706	CLEAN SILT TRAP TYPE A	35.00	EACH
0255	02707	CLEAN SILT TRAP TYPE B	35.00	EACH
0260	02708	CLEAN SILT TRAP TYPE C	35.00	EACH
0265	02726	STAKING - FD52 037 0064 047-052	1.00	LS
0270	02731	REMOVE STRUCTURE - I-64 EB OVER KY 151	1.00	LS
0275	02731	REMOVE STRUCTURE - I-64 WB OVER KY 151	1.00	LS
0280	02775	ARROW PANEL	2.00	EACH
0285	02898	RELOCATE CRASH CUSHION	2.00	EACH
0290	03171	CONCRETE BARRIER WALL TYPE 9T	7,400.00	LF
0295	05950	EROSION CONTROL BLANKET	2,432.00	SQYD
0300	05952	TEMP MULCH	240,393.00	SQYD
0305	05963	INITIAL FERTILIZER	6.00	TON
0310	05964	MAINTENANCE FERTILIZER	6.00	TON
0315	05985	SEEDING AND PROTECTION	120,197.00	SQYD
0320	05992	AGRICULTURAL LIMESTONE	88.00	TON
0325	06401	FLEXIBLE DELINEATOR POST-M/W	64.00	EACH
0330	06511	PAVE STRIPING-TEMP PAINT-6 IN	42,300.00	LF
0335	06542	PAVE STRIPING-THERMO-6 IN W	8,406.00	LF
0340	06543	PAVE STRIPING-THERMO-6 IN Y	6,640.00	LF
0345	06546	PAVE STRIPING-THERMO-12 IN W	906.00	LF
0350	06549	PAVE STRIPING-TEMP REM TAPE-B	5,000.00	LF
0355	06550	PAVE STRIPING-TEMP REM TAPE-W	2,500.00	LF
0360	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,500.00	LF
0365	06585	PAVEMENT MARKER TY IVA-MW TEMP	572.00	EACH
0370	08903	CRASH CUSHION TY VI CLASS BT TL3	2.00	EACH
0375	10020NS	FUEL ADJUSTMENT	21,046.00	DOLL
0380	10030NS	ASPHALT ADJUSTMENT	31,276.00	DOLL
0385	20411ED	LAW ENFORCEMENT OFFICER	400.00	HOUR
0390	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	2,800.00	LF
0395	22664EN	WATER BLASTING EXISTING STRIPE	15,400.00	LF
0400	24489EC	INLAID PAVEMENT MARKER	144.00	EACH
0405	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	131.00	LF
0410	24814EC	PIPELINE INSPECTION	81.00	LF
0415	25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	8.00	EACH
0420	00462	CULVERT PIPE-18 IN	33.00	LF
0425	00464	CULVERT PIPE-24 IN	41.00	LF
0430	00466	CULVERT PIPE-30 IN	15.00	LF
0435	01210	PIPE CULVERT HEADWALL-30 IN	1.00	EACH
0440	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH
0445	01490	DROP BOX INLET TYPE 1	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0450	01505	DROP BOX INLET TYPE 5B	1.00	EACH
0455	01642	JUNCTION BOX-18 IN	1.00	EACH
0460	01643	JUNCTION BOX-24 IN	1.00	EACH
0465	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	169.00	SQYD
0470	02403	REMOVE CONCRETE MASONRY	1.70	CUYD
0475	08002	STRUCTURE EXCAV-SOLID ROCK	.90	CUYD
0480	08003	FOUNDATION PREPARATION - FD52 037 0064 047-052	1.00	LS
0485	08037	COFFERDAM	1.00	LS
0490	08100	CONCRETE-CLASS A	98.60	CUYD
0495	08150	STEEL REINFORCEMENT	22,596.00	LB
0500	02231	STRUCTURE GRANULAR BACKFILL	373.00	CUYD
0505	03299	ARMORED EDGE FOR CONCRETE	120.90	LF
0510	08002	STRUCTURE EXCAV-SOLID ROCK	114.00	CUYD
0515	08003	FOUNDATION PREPARATION - FD52 037 0064 047-052	1.00	LS
0520	08020	CRUSHED AGGREGATE SLOPE PROT	418.00	TON
0525	08033	TEST PILES	114.00	LF
0530	08039	PRE-DRILLING FOR PILES	798.00	LF
0535	08046	PILES-STEEL HP12X53	684.00	LF
0540	08094	PILE POINTS-12 IN	28.00	EACH
0545	08100	CONCRETE-CLASS A	254.60	CUYD
0550	08104	CONCRETE-CLASS AA	433.00	CUYD
0555	08135	MECHANICAL REINF COUPLER #10	18.00	EACH
0560	08150	STEEL REINFORCEMENT	33,502.00	LB
0565	08151	STEEL REINFORCEMENT-EPOXY COATED	133,021.00	LB
0570	08269	ELECTRICAL CONDUIT - FD52 037 0064 047-052	1.00	LS
0575	08634	PRECAST PC I BEAM TYPE 4	1,438.70	LF
0580	23378EC	CONCRETE SEALING	23,601.00	SQFT
0585	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	361.50	LF
0590	02231	STRUCTURE GRANULAR BACKFILL	373.00	CUYD
0595	03299	ARMORED EDGE FOR CONCRETE	120.90	LF
0600	08002	STRUCTURE EXCAV-SOLID ROCK	114.00	CUYD
0605	08003	FOUNDATION PREPARATION - FD52 037 0064 047-052	1.00	LS
0610	08020	CRUSHED AGGREGATE SLOPE PROT	394.00	TON
0615	08033	TEST PILES	102.00	LF
0620	08039	PRE-DRILLING FOR PILES	718.00	LF
0625	08046	PILES-STEEL HP12X53	616.00	LF
0630	08094	PILE POINTS-12 IN	28.00	EACH
0635	08100	CONCRETE-CLASS A	253.10	CUYD
0640	08104	CONCRETE-CLASS AA	433.00	CUYD
0645	08135	MECHANICAL REINF COUPLER #10	18.00	EACH
0650	08150	STEEL REINFORCEMENT	33,502.00	LB
0655	08151	STEEL REINFORCEMENT-EPOXY COATED	133,023.00	LB
0660	08269	ELECTRICAL CONDUIT - FD52 037 0064 047-052	1.00	LS
0665	08634	PRECAST PC I BEAM TYPE 4	1,438.70	LF
0670	23378EC	CONCRETE SEALING	23,571.00	SQFT
0675	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	361.50	LF
0680	02568	MOBILIZATION	1.00	LS
0685	02569	DEMOBILIZATION	1.00	LS
0690	02742	TRAINEE PAYMENT REIMBURSEMENT - (1 CARPENTER)	1,400.00	HOURL

MATERIAL SUMMARY

CONTRACT ID: 211039

037GR21D039

DE03700642140

I-64 BRIDGE REPLACEMENT ON I-64 FROM MP 48.917 to MP 51.644 AT VARIOUS LOCATIONS IN FRANKLIN COUNTY BRIDGE WITH GRADE, DRAIN & SURFACE, A DISTANCE OF 2.73 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0695	00078	CRUSHED AGGREGATE SIZE NO 2	3.00	TON
0700	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - FD52 0064 047-054	1.00	LS
0705	01310	REMOVE PIPE	536.00	LF
0710	01690	FLUME INLET TYPE 1	2.00	EACH
0715	01691	FLUME INLET TYPE 2	6.00	EACH
0720	01891	ISLAND HEADER CURB TYPE 2	375.00	LF
0725	01975	CONC MEDIAN BARRIER TYPE 14C TL3	4,337.00	LF
0730	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	55.00	EACH
0735	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	10.00	EACH
0740	01984	DELINEATOR FOR BARRIER - WHITE	14.00	EACH
0745	01985	DELINEATOR FOR BARRIER - YELLOW	75.00	EACH
0750	02003	RELOCATE TEMP CONC BARRIER	38,525.00	LF
0755	02014	BARRICADE-TYPE III	4.00	EACH
0760	02159	TEMP DITCH	5,850.00	LF
0765	02160	CLEAN TEMP DITCH	2,925.00	LF
0770	02165	REMOVE PAVED DITCH	953.00	SQYD
0775	02200	ROADWAY EXCAVATION	56,186.00	CUYD
0780	02223	GRANULAR EMBANKMENT	8,454.00	CUYD
0785	02242	WATER	1.00	MGAL
0790	02262	FENCE-WOVEN WIRE TYPE 1	1,122.00	LF
0795	02367	GUARDRAIL END TREATMENT TYPE 1	6.00	EACH
0800	02369	GUARDRAIL END TREATMENT TYPE 2A	9.00	EACH
0805	02482	CHANNEL LINING CLASS IA	73.00	TON
0810	02483	CHANNEL LINING CLASS II	1,313.00	TON
0815	02484	CHANNEL LINING CLASS III	389.00	TON
0820	02545	CLEARING AND GRUBBING - 33 ACRES- FD52 0064 047-054	1.00	LS
0825	02562	TEMPORARY SIGNS	1,625.00	SQFT
0830	02570	PROJECT CPM SCHEDULE - FD52 0064 047-054	1.00	LS
0835	02585	EDGE KEY	291.00	LF
0840	02603	FABRIC-GEOTEXTILE CLASS 2	51,544.00	SQYD
0845	02650	MAINTAIN & CONTROL TRAFFIC - FD52 0064 047-054	1.00	LS
0850	02671	PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH
0855	02676	MOBILIZATION FOR MILL & TEXT - FD52 0064 047-054	1.00	LS
0860	02696	SHOULDER RUMBLE STRIPS	25,077.00	LF
0865	02701	TEMP SILT FENCE	5,850.00	LF
0870	02703	SILT TRAP TYPE A	54.00	EACH
0875	02704	SILT TRAP TYPE B	54.00	EACH
0880	02705	SILT TRAP TYPE C	54.00	EACH
0885	02706	CLEAN SILT TRAP TYPE A	54.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0890	02707	CLEAN SILT TRAP TYPE B	54.00	EACH
0895	02708	CLEAN SILT TRAP TYPE C	54.00	EACH
0900	02726	STAKING - FD52 0064 047-054	1.00	LS
0905	02731	REMOVE STRUCTURE - EB CARDWELL LANE	1.00	LS
0910	02731	REMOVE STRUCTURE - EB EVERGREEN RD	1.00	LS
0915	02731	REMOVE STRUCTURE - EB SOUTH BENSON CREEK	1.00	LS
0920	02731	REMOVE STRUCTURE - WB CARDWELL LANE	1.00	LS
0925	02731	REMOVE STRUCTURE - WB EVERGREEN RD	1.00	LS
0930	02731	REMOVE STRUCTURE - WB SOUTH BENSON CREEK	1.00	LS
0935	02775	ARROW PANEL	4.00	EACH
0940	02898	RELOCATE CRASH CUSHION	14.00	EACH
0945	03171	CONCRETE BARRIER WALL TYPE 9T	26,965.00	LF
0950	03225	TUBULAR MARKERS	100.00	EACH
0955	05950	EROSION CONTROL BLANKET	13,745.00	SQYD
0960	05952	TEMP MULCH	174,240.00	SQYD
0965	05953	TEMP SEEDING AND PROTECTION	130,680.00	SQYD
0970	05963	INITIAL FERTILIZER	8.00	TON
0975	05964	MAINTENANCE FERTILIZER	13.00	TON
0980	05985	SEEDING AND PROTECTION	222,640.00	SQYD
0985	05992	AGRICULTURAL LIMESTONE	163.00	TON
0990	06401	FLEXIBLE DELINEATOR POST-M/W	21.00	EACH
0995	06404	FLEXIBLE DELINEATOR POST-M/Y	40.00	EACH
1000	06511	PAVE STRIPING-TEMP PAINT-6 IN	178,615.00	LF
1005	06542	PAVE STRIPING-THERMO-6 IN W	30,210.00	LF
1010	06543	PAVE STRIPING-THERMO-6 IN Y	24,165.00	LF
1015	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
1020	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
1025	06551	PAVE STRIPING-TEMP REM TAPE-Y	1,000.00	LF
1030	06556	PAVE STRIPING-DUR TY 1-6 IN W	1,450.00	LF
1035	06557	PAVE STRIPING-DUR TY 1-6 IN Y	1,160.00	LF
1040	06585	PAVEMENT MARKER TY IVA-MW TEMP	3,400.00	EACH
1045	06600	REMOVE PAVEMENT MARKER TYPE V	302.00	EACH
1050	08100	CONCRETE-CLASS A	8.00	CUYD
1055	08150	STEEL REINFORCEMENT	392.00	LB
1060	08903	CRASH CUSHION TY VI CLASS BT TL3	6.00	EACH
1065	10020NS	FUEL ADJUSTMENT	112,939.00	DOLL
1070	10030NS	ASPHALT ADJUSTMENT	142,195.00	DOLL
1075	20071EC	JOINT ADHESIVE	96,660.00	LF
1080	20191ED	OBJECT MARKER TY 3	6.00	EACH
1085	20411ED	LAW ENFORCEMENT OFFICER	500.00	HOURL
1090	21370ED	LONGITUDINAL SAW CUT- 6 IN	24,165.00	LF
1095	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	5,910.00	LF
1100	22880ED	BARRIER WALL TRANSITION	200.00	LF
1105	23979EC	CRASH CUSHION TY VI CLASS C TL3	2.00	EACH
1110	24489EC	INLAID PAVEMENT MARKER	302.00	EACH
1115	24814EC	PIPELINE INSPECTION	335.00	LF
1120	25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	15.00	EACH
1125	00001	DGA BASE	38,523.00	TON
1130	00018	DRAINAGE BLANKET-TYPE II-ASPH	25,496.00	TON
1135	00100	ASPHALT SEAL AGGREGATE	245.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1140	00103	ASPHALT SEAL COAT	30.00	TON
1145	00194	LEVELING & WEDGING PG76-22	10,468.00	TON
1150	00208	CL4 ASPH BASE 1.50D PG64-22	12,595.00	TON
1155	00217	CL4 ASPH BASE 1.00D PG64-22	13,105.00	TON
1160	00219	CL4 ASPH BASE 1.00D PG76-22	13,041.00	TON
1165	00342	CL4 ASPH SURF 0.38A PG76-22	9,814.00	TON
1170	00358	ASPHALT CURING SEAL	73.00	TON
1175	02677	ASPHALT PAVE MILLING & TEXTURING	488.00	TON
1180	02702	SAND FOR BLOTTER	182.00	TON
1185	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	30.00	TON
1190	00078	CRUSHED AGGREGATE SIZE NO 2	3.00	TON
1195	00461	CULVERT PIPE-15 IN	23.00	LF
1200	00462	CULVERT PIPE-18 IN	130.00	LF
1205	00464	CULVERT PIPE-24 IN	4.00	LF
1210	00466	CULVERT PIPE-30 IN	21.00	LF
1215	00470	CULVERT PIPE-48 IN	22.00	LF
1220	00521	STORM SEWER PIPE-15 IN	160.00	LF
1225	00522	STORM SEWER PIPE-18 IN	237.00	LF
1230	00524	STORM SEWER PIPE-24 IN	40.00	LF
1235	00526	STORM SEWER PIPE-30 IN	48.00	LF
1240	01001	PERFORATED PIPE-6 IN	9,211.00	LF
1245	01011	NON-PERFORATED PIPE-6 IN	60.00	LF
1250	01025	PERF PIPE HEADWALL TY 2-6 IN	1.00	EACH
1255	01033	PERF PIPE HEADWALL TY 4-6 IN	2.00	EACH
1260	01204	PIPE CULVERT HEADWALL-18 IN	2.00	EACH
1265	01210	PIPE CULVERT HEADWALL-30 IN	2.00	EACH
1270	01216	PIPE CULVERT HEADWALL-48 IN	1.00	EACH
1275	01490	DROP BOX INLET TYPE 1	2.00	EACH
1280	01517	DROP BOX INLET TYPE 5F	1.00	EACH
1285	01559	DROP BOX INLET TYPE 13G	3.00	EACH
1290	01565	DROP BOX INLET TYPE 13GT	1.00	EACH
1295	01614	CONC MED BARR BOX INLET TY 14A2	1.00	EACH
1300	01615	CONC MED BARR BOX INLET TY 14B2	7.00	EACH
1305	01616	CONC MED BARR BOX INLET TY 14B1	2.00	EACH
1310	01650	JUNCTION BOX	2.00	EACH
1315	01741	CORED HOLE DRAINAGE BOX CON-6 IN	14.00	EACH
1320	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	2,169.00	SQYD
1325	23952EC	DRAINAGE JUNCTION BOX TY B	3.00	EACH
1330	02231	STRUCTURE GRANULAR BACKFILL	320.00	CUYD
1335	03299	ARMORED EDGE FOR CONCRETE	120.00	LF
1340	08003	FOUNDATION PREPARATION - FD52 0064 047-054	1.00	LS
1345	08019	CYCLOPEAN STONE RIP RAP	1,550.00	TON
1350	08033	TEST PILES	66.00	LF
1355	08039	PRE-DRILLING FOR PILES	258.00	LF
1360	08046	PILES-STEEL HP12X53	444.00	LF
1365	08094	PILE POINTS-12 IN	9.00	EACH
1370	08100	CONCRETE-CLASS A	305.90	CUYD
1375	08104	CONCRETE-CLASS AA	544.20	CUYD
1380	08130	MECHANICAL REINF COUPLER #5	28.00	EACH
1385	08133	MECHANICAL REINF COUPLER #8	16.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1390	08134	MECHANICAL REINF COUPLER #9	16.00	EACH
1395	08135	MECHANICAL REINF COUPLER #10	16.00	EACH
1400	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	469.00	EACH
1405	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	459.00	EACH
1410	08150	STEEL REINFORCEMENT	50,673.00	LB
1415	08151	STEEL REINFORCEMENT-EPOXY COATED	146,247.00	LB
1420	08636	PRECAST PC I BEAM TYPE 5	1,577.00	LF
1425	20745ED	ROCK SOUNDINGS	96.00	LF
1430	20746ED	ROCK CORINGS	292.00	LF
1435	21420ED	DRILLED SHAFT-66 IN (COMMON)	77.00	LF
1440	21421ED	DRILLED SHAFT-60 IN (SOLID ROCK)	132.00	LF
1445	23378EC	CONCRETE SEALING	30,215.00	SQFT
1450	23813EC	DECK DRAIN	8.00	EACH
1455	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	458.00	LF
1460	02231	STRUCTURE GRANULAR BACKFILL	320.00	CUYD
1465	03299	ARMORED EDGE FOR CONCRETE	120.00	LF
1470	08003	FOUNDATION PREPARATION - FD52 0064 047-054	1.00	LS
1475	08019	CYCLOPEAN STONE RIP RAP	2,100.00	TON
1480	08033	TEST PILES	68.00	LF
1485	08039	PRE-DRILLING FOR PILES	294.00	LF
1490	08046	PILES-STEEL HP12X53	467.00	LF
1495	08094	PILE POINTS-12 IN	9.00	EACH
1500	08100	CONCRETE-CLASS A	294.00	CUYD
1505	08104	CONCRETE-CLASS AA	544.20	CUYD
1510	08130	MECHANICAL REINF COUPLER #5	28.00	EACH
1515	08133	MECHANICAL REINF COUPLER #8	16.00	EACH
1520	08134	MECHANICAL REINF COUPLER #9	16.00	EACH
1525	08135	MECHANICAL REINF COUPLER #10	16.00	EACH
1530	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	469.00	EACH
1535	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	459.00	EACH
1540	08150	STEEL REINFORCEMENT	49,737.00	LB
1545	08151	STEEL REINFORCEMENT-EPOXY COATED	146,247.00	LB
1550	08636	PRECAST PC I BEAM TYPE 5	1,577.00	LF
1555	20745ED	ROCK SOUNDINGS	104.00	LF
1560	20746ED	ROCK CORINGS	292.00	LF
1565	21420ED	DRILLED SHAFT-66 IN (COMMON)	98.00	LF
1570	21421ED	DRILLED SHAFT-60 IN (SOLID ROCK)	132.00	LF
1575	23378EC	CONCRETE SEALING	29,960.00	SQFT
1580	23813EC	DECK DRAIN	12.00	EACH
1585	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	458.00	LF
1590	02231	STRUCTURE GRANULAR BACKFILL	530.00	CUYD
1595	03299	ARMORED EDGE FOR CONCRETE	254.00	LF
1600	08002	STRUCTURE EXCAV-SOLID ROCK	630.00	CUYD
1605	08003	FOUNDATION PREPARATION - FD52 0064 047-054	1.00	LS
1610	08020	CRUSHED AGGREGATE SLOPE PROT	765.00	TON
1615	08033	TEST PILES	39.00	LF
1620	08039	PRE-DRILLING FOR PILES	362.00	LF
1625	08046	PILES-STEEL HP12X53	389.00	LF
1630	08100	CONCRETE-CLASS A	492.40	CUYD
1635	08104	CONCRETE-CLASS AA	857.60	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1640	08130	MECHANICAL REINF COUPLER #5	72.00	EACH
1645	08132	MECHANICAL REINF COUPLER #7	32.00	EACH
1650	08134	MECHANICAL REINF COUPLER #9	64.00	EACH
1655	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	1,286.00	EACH
1660	08150	STEEL REINFORCEMENT	94,649.00	LB
1665	08151	STEEL REINFORCEMENT-EPOXY COATED	251,240.00	LB
1670	08269	ELECTRICAL CONDUIT	1.00	LS
1675	08633	PRECAST PC I BEAM TYPE 3	2,398.70	LF
1680	23378EC	CONCRETE SEALING	35,805.00	SQFT
1685	23813EC	DECK DRAIN	17.00	EACH
1690	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	350.00	LF
1695	02231	STRUCTURE GRANULAR BACKFILL	530.00	CUYD
1700	03299	ARMORED EDGE FOR CONCRETE	255.00	LF
1705	08002	STRUCTURE EXCAV-SOLID ROCK	100.00	CUYD
1710	08003	FOUNDATION PREPARATION - FD52 0064 047-054	1.00	LS
1715	08020	CRUSHED AGGREGATE SLOPE PROT	805.00	TON
1720	08033	TEST PILES	72.00	LF
1725	08039	PRE-DRILLING FOR PILES	753.00	LF
1730	08046	PILES-STEEL HP12X53	743.00	LF
1735	08094	PILE POINTS-12 IN	26.00	EACH
1740	08100	CONCRETE-CLASS A	522.50	CUYD
1745	08104	CONCRETE-CLASS AA	822.90	CUYD
1750	08130	MECHANICAL REINF COUPLER #5	72.00	EACH
1755	08132	MECHANICAL REINF COUPLER #7	32.00	EACH
1760	08134	MECHANICAL REINF COUPLER #9	64.00	EACH
1765	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	1,296.00	EACH
1770	08150	STEEL REINFORCEMENT	88,237.00	LB
1775	08151	STEEL REINFORCEMENT-EPOXY COATED	239,053.00	LB
1780	08269	ELECTRICAL CONDUIT - FD52 0064 047-054	1.00	LS
1785	08633	PRECAST PC I BEAM TYPE 3	2,227.30	LF
1790	23378EC	CONCRETE SEALING	37,630.00	SQFT
1795	23813EC	DECK DRAIN	16.00	EACH
1800	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	350.00	LF
1805	20465EC	CLEAN CULVERT - FD52 0064 047-054	1.00	LS
1810	22146EN	CONCRETE PATCHING REPAIR	24.00	SQFT
1815	23378EC	CONCRETE SEALING	342.00	SQFT
1820	23744EC	EPOXY INJECTION CRACK REPAIR	318.00	LF
1825	02568	MOBILIZATION	1.00	LS
1830	02569	DEMOBILIZATION	1.00	LS
1835	25075EC	QUEUE PROTECTION VEHICLE - (ADDED 8-9-21)	1,000.00	HOUR
1840	25117EC	FURNISH QUEUE PROTECTION VEHICLES - (ADDED 8-9-21)	24.00	MONT
1845	26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM - (ADDED 8-9-21)	24.00	MONT
1850	26137EC	QUEUE WARNING PCMS - (ADDED 8-9-21)	48.00	MONT
1855	26138EC	QUEUE WARNING PORTABLE RADAR SENSORS - (ADDED 8-9-21)	48.00	MONT

PROPOSAL BID ITEMS

Report Date 8/9/21

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	48,952.00	TON		\$	
0020	00018		DRAINAGE BLANKET-TYPE II-ASPH	28,231.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	356.30	TON		\$	
0040	00103		ASPHALT SEAL COAT	43.30	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	87.20	TON		\$	
0060	00194		LEVELING & WEDGING PG76-22	10,691.20	TON		\$	
0070	00205		CL3 ASPH BASE 1.50D PG64-22	468.00	TON		\$	
0080	00208		CL4 ASPH BASE 1.50D PG64-22	13,496.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	832.00	TON		\$	
0100	00217		CL4 ASPH BASE 1.00D PG64-22	19,834.00	TON		\$	
0110	00219		CL4 ASPH BASE 1.00D PG76-22	14,167.00	TON		\$	
0120	00339		CL3 ASPH SURF 0.38D PG64-22	905.00	TON		\$	
0130	00342		CL4 ASPH SURF 0.38A PG76-22	11,525.00	TON		\$	
0140	00358		ASPHALT CURING SEAL	78.40	TON		\$	
0150	02585		EDGE KEY	1,234.00	LF		\$	
0160	02676		MOBILIZATION FOR MILL & TEXT FD52 037 0064 047-052	1.00	LS		\$	
0170	02677		ASPHALT PAVE MILLING & TEXTURING	2,897.00	TON		\$	
0180	02702		SAND FOR BLOTTER	195.60	TON		\$	
0190	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	8,708.00	LF		\$	
0200	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	58.80	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	00078		CRUSHED AGGREGATE SIZE NO 2	7.00	TON		\$	
0220	01001		PERFORATED PIPE-6 IN	1,511.00	LF		\$	
0230	01011		NON-PERFORATED PIPE-6 IN	40.00	LF		\$	
0240	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM FD52 0064 047-054	1.00	LS		\$	
0250	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM FD52 037 0064 047-052	1.00	LS		\$	
0260	01021		PERF PIPE HEADWALL TY 1-6 IN	3.00	EACH		\$	
0270	01029		PERF PIPE HEADWALL TY 3-6 IN	1.00	EACH		\$	
0280	01310		REMOVE PIPE	536.00	LF		\$	
0290	01690		FLUME INLET TYPE 1	2.00	EACH		\$	
0300	01691		FLUME INLET TYPE 2	10.00	EACH		\$	
0310	01891		ISLAND HEADER CURB TYPE 2	375.00	LF		\$	
0320	01975		CONC MEDIAN BARRIER TYPE 14C TL3	4,337.00	LF		\$	
0330	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	72.00	EACH		\$	
0340	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	26.00	EACH		\$	
0350	01984		DELINEATOR FOR BARRIER - WHITE	180.00	EACH		\$	
0360	01985		DELINEATOR FOR BARRIER - YELLOW	449.00	EACH		\$	
0370	02003		RELOCATE TEMP CONC BARRIER	41,765.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02014		BARRICADE-TYPE III	8.00	EACH		\$	
0390	02159		TEMP DITCH	7,510.00	LF		\$	
0400	02160		CLEAN TEMP DITCH	3,755.00	LF		\$	
0410	02165		REMOVE PAVED DITCH	953.00	SQYD		\$	
0420	02200		ROADWAY EXCAVATION	102,898.00	CUYD		\$	
0430	02223		GRANULAR EMBANKMENT	8,454.00	CUYD		\$	
0440	02242		WATER	1.00	MGAL		\$	
0450	02262		FENCE-WOVEN WIRE TYPE 1	1,122.00	LF		\$	
0460	02367		GUARDRAIL END TREATMENT TYPE 1	10.00	EACH		\$	
0470	02369		GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH		\$	
0480	02381		REMOVE GUARDRAIL	3,191.00	LF		\$	
0490	02482		CHANNEL LINING CLASS IA	73.00	TON		\$	
0500	02483		CHANNEL LINING CLASS II	1,871.00	TON		\$	
0510	02484		CHANNEL LINING CLASS III	1,968.00	TON		\$	
0520	02545		CLEARING AND GRUBBING 16 ACRES- FD52 037 0064 047-052	1.00	LS		\$	
0530	02545		CLEARING AND GRUBBING 33 ACRES- FD52 0064 047-054	1.00	LS		\$	
0540	02562		TEMPORARY SIGNS	2,425.00	SQFT		\$	
0550	02570		PROJECT CPM SCHEDULE FD52 0064 047-054	1.00	LS		\$	
0560	02585		EDGE KEY	291.00	LF		\$	
0570	02603		FABRIC-GEOTEXTILE CLASS 2	51,544.00	SQYD		\$	
0580	02650		MAINTAIN & CONTROL TRAFFIC FD52 0064 047-054	1.00	LS		\$	
0590	02650		MAINTAIN & CONTROL TRAFFIC FD52 037 0064 047-052	1.00	LS		\$	
0600	02671		PORTABLE CHANGEABLE MESSAGE SIGN	12.00	EACH		\$	
0610	02676		MOBILIZATION FOR MILL & TEXT FD52 0064 047-054	1.00	LS		\$	
0620	02696		SHOULDER RUMBLE STRIPS	25,077.00	LF		\$	
0630	02701		TEMP SILT FENCE	7,510.00	LF		\$	
0640	02703		SILT TRAP TYPE A	89.00	EACH		\$	
0650	02704		SILT TRAP TYPE B	89.00	EACH		\$	
0660	02705		SILT TRAP TYPE C	89.00	EACH		\$	
0670	02706		CLEAN SILT TRAP TYPE A	89.00	EACH		\$	
0680	02707		CLEAN SILT TRAP TYPE B	89.00	EACH		\$	
0690	02708		CLEAN SILT TRAP TYPE C	89.00	EACH		\$	
0700	02726		STAKING FD52 0064 047-054	1.00	LS		\$	
0710	02726		STAKING FD52 037 0064 047-052	1.00	LS		\$	
0720	02731		REMOVE STRUCTURE EB CARDWELL LANE	1.00	LS		\$	
0730	02731		REMOVE STRUCTURE EB EVERGREEN RD	1.00	LS		\$	
0740	02731		REMOVE STRUCTURE EB SOUTH BENSON CREEK	1.00	LS		\$	
0750	02731		REMOVE STRUCTURE I-64 EB OVER KY 151	1.00	LS		\$	
0760	02731		REMOVE STRUCTURE I-64 WB OVER KY 151	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	02731		REMOVE STRUCTURE WB CARDWELL LANE	1.00	LS		\$	
0780	02731		REMOVE STRUCTURE WB EVERGREEN RD	1.00	LS		\$	
0790	02731		REMOVE STRUCTURE WB SOUTH BENSON CREEK	1.00	LS		\$	
0800	02775		ARROW PANEL	6.00	EACH		\$	
0810	02898		RELOCATE CRASH CUSHION	16.00	EACH		\$	
0820	03171		CONCRETE BARRIER WALL TYPE 9T	34,365.00	LF		\$	
0830	03225		TUBULAR MARKERS	100.00	EACH		\$	
0840	05950		EROSION CONTROL BLANKET	16,177.00	SQYD		\$	
0850	05952		TEMP MULCH	414,633.00	SQYD		\$	
0860	05953		TEMP SEEDING AND PROTECTION	130,680.00	SQYD		\$	
0870	05963		INITIAL FERTILIZER	14.00	TON		\$	
0880	05964		MAINTENANCE FERTILIZER	19.00	TON		\$	
0890	05985		SEEDING AND PROTECTION	342,837.00	SQYD		\$	
0900	05992		AGRICULTURAL LIMESTONE	251.00	TON		\$	
0910	06401		FLEXIBLE DELINEATOR POST-M/W	85.00	EACH		\$	
0920	06404		FLEXIBLE DELINEATOR POST-M/Y	40.00	EACH		\$	
0930	06511		PAVE STRIPING-TEMP PAINT-6 IN	220,915.00	LF		\$	
0940	06542		PAVE STRIPING-THERMO-6 IN W	38,616.00	LF		\$	
0950	06543		PAVE STRIPING-THERMO-6 IN Y	30,805.00	LF		\$	
0960	06546		PAVE STRIPING-THERMO-12 IN W	906.00	LF		\$	
0970	06549		PAVE STRIPING-TEMP REM TAPE-B	6,000.00	LF		\$	
0980	06550		PAVE STRIPING-TEMP REM TAPE-W	3,500.00	LF		\$	
0990	06551		PAVE STRIPING-TEMP REM TAPE-Y	3,500.00	LF		\$	
1000	06556		PAVE STRIPING-DUR TY 1-6 IN W	1,450.00	LF		\$	
1010	06557		PAVE STRIPING-DUR TY 1-6 IN Y	1,160.00	LF		\$	
1020	06585		PAVEMENT MARKER TY IVA-MW TEMP	3,972.00	EACH		\$	
1030	06600		REMOVE PAVEMENT MARKER TYPE V	302.00	EACH		\$	
1040	08100		CONCRETE-CLASS A	8.00	CUYD		\$	
1050	08150		STEEL REINFORCEMENT	392.00	LB		\$	
1060	08903		CRASH CUSHION TY VI CLASS BT TL3	8.00	EACH		\$	
1070	10020NS		FUEL ADJUSTMENT	133,985.00	DOLL	\$1.00	\$	\$133,985.00
1080	10030NS		ASPHALT ADJUSTMENT	173,471.00	DOLL	\$1.00	\$	\$173,471.00
1090	20071EC		JOINT ADHESIVE	96,660.00	LF		\$	
1100	20191ED		OBJECT MARKER TY 3	6.00	EACH		\$	
1110	20411ED		LAW ENFORCEMENT OFFICER	900.00	HOURL		\$	
1120	21370ED		LONGITUDINAL SAW CUT- 6 IN	24,165.00	LF		\$	
1130	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	8,710.00	LF		\$	
1140	22664EN		WATER BLASTING EXISTING STRIPE	15,400.00	LF		\$	
1150	22880ED		BARRIER WALL TRANSITION	200.00	LF		\$	
1160	23979EC		CRASH CUSHION TY VI CLASS C TL3	2.00	EACH		\$	
1170	24489EC		INLAID PAVEMENT MARKER	446.00	EACH		\$	
1180	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	131.00	LF		\$	
1190	24814EC		PIPELINE INSPECTION	416.00	LF		\$	
1200	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	23.00	EACH		\$	
1201	25075EC		QUEUE PROTECTION VEHICLE (ADDED 8-9-21)	1,000.00	HOURL		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1202	25117EC		FURNISH QUEUE PROTECTION VEHICLES (ADDED 8-9-21)	24.00	MONT		\$	
1203	26136EC		PORTABLE QUEUE WARNING ALERT SYSTEM (ADDED 8-9-21)	24.00	MONT		\$	
1204	26137EC		QUEUE WARNING PCMS (ADDED 8-9-21)	48.00	MONT		\$	
1205	26138EC		QUEUE WARNING PORTABLE RADAR SENSORS (ADDED 8-9-21)	48.00	MONT		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1210	00078		CRUSHED AGGREGATE SIZE NO 2	3.00	TON		\$	
1220	00461		CULVERT PIPE-15 IN	23.00	LF		\$	
1230	00462		CULVERT PIPE-18 IN	163.00	LF		\$	
1240	00464		CULVERT PIPE-24 IN	45.00	LF		\$	
1250	00466		CULVERT PIPE-30 IN	36.00	LF		\$	
1260	00470		CULVERT PIPE-48 IN	22.00	LF		\$	
1270	00521		STORM SEWER PIPE-15 IN	160.00	LF		\$	
1280	00522		STORM SEWER PIPE-18 IN	237.00	LF		\$	
1290	00524		STORM SEWER PIPE-24 IN	40.00	LF		\$	
1300	00526		STORM SEWER PIPE-30 IN	48.00	LF		\$	
1310	01001		PERFORATED PIPE-6 IN	9,211.00	LF		\$	
1320	01011		NON-PERFORATED PIPE-6 IN	60.00	LF		\$	
1330	01025		PERF PIPE HEADWALL TY 2-6 IN	1.00	EACH		\$	
1340	01033		PERF PIPE HEADWALL TY 4-6 IN	2.00	EACH		\$	
1350	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
1360	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1370	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
1380	01216		PIPE CULVERT HEADWALL-48 IN	1.00	EACH		\$	
1390	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
1400	01490		DROP BOX INLET TYPE 1	3.00	EACH		\$	
1410	01505		DROP BOX INLET TYPE 5B	1.00	EACH		\$	
1420	01517		DROP BOX INLET TYPE 5F	1.00	EACH		\$	
1430	01559		DROP BOX INLET TYPE 13G	3.00	EACH		\$	
1440	01565		DROP BOX INLET TYPE 13GT	1.00	EACH		\$	
1450	01614		CONC MED BARR BOX INLET TY 14A2	1.00	EACH		\$	
1460	01615		CONC MED BARR BOX INLET TY 14B2	7.00	EACH		\$	
1470	01616		CONC MED BARR BOX INLET TY 14B1	2.00	EACH		\$	
1480	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
1490	01643		JUNCTION BOX-24 IN	1.00	EACH		\$	
1500	01650		JUNCTION BOX	2.00	EACH		\$	
1510	01741		CORED HOLE DRAINAGE BOX CON-6 IN	14.00	EACH		\$	
1520	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	2,338.00	SQYD	\$2.00	\$	\$4,676.00
1530	23952EC		DRAINAGE JUNCTION BOX TY B	3.00	EACH		\$	

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SECTION: 0004 - BRIDGE-14 A 4 RCB - EASTBOUND I-64 STA 2095+50.22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1540	02403		REMOVE CONCRETE MASONRY	1.70	CUYD		\$	
1550	08002		STRUCTURE EXCAV-SOLID ROCK	.90	CUYD		\$	
1560	08003		FOUNDATION PREPARATION FD52 037 0064 047-052	1.00	LS		\$	
1570	08037		COFFERDAM	1.00	LS		\$	
1580	08100		CONCRETE-CLASS A	98.60	CUYD		\$	
1590	08150		STEEL REINFORCEMENT	22,596.00	LB		\$	

Section: 0005 - BRIDGE- NO.26166 I-64 WB BRIDGE OVER SOUTH BENSON CREEK

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	02231		STRUCTURE GRANULAR BACKFILL	320.00	CUYD		\$	
1610	03299		ARMORED EDGE FOR CONCRETE	120.00	LF		\$	
1620	08003		FOUNDATION PREPARATION FD52 0064 047-054	1.00	LS		\$	
1630	08019		CYCLOPEAN STONE RIP RAP	1,550.00	TON		\$	
1640	08033		TEST PILES	66.00	LF		\$	
1650	08039		PRE-DRILLING FOR PILES	258.00	LF		\$	
1660	08046		PILES-STEEL HP12X53	444.00	LF		\$	
1670	08094		PILE POINTS-12 IN	9.00	EACH		\$	
1680	08100		CONCRETE-CLASS A	305.90	CUYD		\$	
1690	08104		CONCRETE-CLASS AA	544.20	CUYD		\$	
1700	08130		MECHANICAL REINF COUPLER #5	28.00	EACH		\$	
1710	08133		MECHANICAL REINF COUPLER #8	16.00	EACH		\$	
1720	08134		MECHANICAL REINF COUPLER #9	16.00	EACH		\$	
1730	08135		MECHANICAL REINF COUPLER #10	16.00	EACH		\$	
1740	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	469.00	EACH		\$	
1750	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	459.00	EACH		\$	
1760	08150		STEEL REINFORCEMENT	50,673.00	LB		\$	
1770	08151		STEEL REINFORCEMENT-EPOXY COATED	146,247.00	LB		\$	
1780	08636		PRECAST PC I BEAM TYPE 5	1,577.00	LF		\$	
1790	20745ED		ROCK SOUNDINGS	96.00	LF		\$	
1800	20746ED		ROCK CORINGS	292.00	LF		\$	
1810	21420ED		DRILLED SHAFT-66 IN (COMMON)	77.00	LF		\$	
1820	21421ED		DRILLED SHAFT-60 IN (SOLID ROCK)	132.00	LF		\$	
1830	23378EC		CONCRETE SEALING	30,215.00	SQFT		\$	
1840	23813EC		DECK DRAIN	8.00	EACH		\$	
1850	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	458.00	LF		\$	

Section: 0006 - BRIDGE- I-64 EB BRIDGE OVER KY 151

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1860	02231		STRUCTURE GRANULAR BACKFILL	373.00	CUYD		\$	
1870	03299		ARMORED EDGE FOR CONCRETE	120.90	LF		\$	
1880	08002		STRUCTURE EXCAV-SOLID ROCK	114.00	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1890	08003		FOUNDATION PREPARATION FD52 037 0064 047-052	1.00	LS		\$	
1900	08020		CRUSHED AGGREGATE SLOPE PROT	418.00	TON		\$	
1910	08033		TEST PILES	114.00	LF		\$	
1920	08039		PRE-DRILLING FOR PILES	798.00	LF		\$	
1930	08046		PILES-STEEL HP12X53	684.00	LF		\$	
1940	08094		PILE POINTS-12 IN	28.00	EACH		\$	
1950	08100		CONCRETE-CLASS A	254.60	CUYD		\$	
1960	08104		CONCRETE-CLASS AA	433.00	CUYD		\$	
1970	08135		MECHANICAL REINF COUPLER #10	18.00	EACH		\$	
1980	08150		STEEL REINFORCEMENT	33,502.00	LB		\$	
1990	08151		STEEL REINFORCEMENT-EPOXY COATED	133,021.00	LB		\$	
2000	08269		ELECTRICAL CONDUIT FD52 037 0064 047-052	1.00	LS		\$	
2010	08634		PRECAST PC I BEAM TYPE 4	1,438.70	LF		\$	
2020	23378EC		CONCRETE SEALING	23,601.00	SQFT		\$	
2030	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	361.50	LF		\$	

Section: 0007 - BRIDGE- NO.26167 I-64 EB OVER SOUTH BENSON CREEK

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2040	02231		STRUCTURE GRANULAR BACKFILL	320.00	CUYD		\$	
2050	03299		ARMORED EDGE FOR CONCRETE	120.00	LF		\$	
2060	08003		FOUNDATION PREPARATION FD52 0064 047-054	1.00	LS		\$	
2070	08019		CYCLOPEAN STONE RIP RAP	2,100.00	TON		\$	
2080	08033		TEST PILES	68.00	LF		\$	
2090	08039		PRE-DRILLING FOR PILES	294.00	LF		\$	
2100	08046		PILES-STEEL HP12X53	467.00	LF		\$	
2110	08094		PILE POINTS-12 IN	9.00	EACH		\$	
2120	08100		CONCRETE-CLASS A	294.00	CUYD		\$	
2130	08104		CONCRETE-CLASS AA	544.20	CUYD		\$	
2140	08130		MECHANICAL REINF COUPLER #5	28.00	EACH		\$	
2150	08133		MECHANICAL REINF COUPLER #8	16.00	EACH		\$	
2160	08134		MECHANICAL REINF COUPLER #9	16.00	EACH		\$	
2170	08135		MECHANICAL REINF COUPLER #10	16.00	EACH		\$	
2180	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	469.00	EACH		\$	
2190	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	459.00	EACH		\$	
2200	08150		STEEL REINFORCEMENT	49,737.00	LB		\$	
2210	08151		STEEL REINFORCEMENT-EPOXY COATED	146,247.00	LB		\$	
2220	08636		PRECAST PC I BEAM TYPE 5	1,577.00	LF		\$	
2230	20745ED		ROCK SOUNDINGS	104.00	LF		\$	
2240	20746ED		ROCK CORINGS	292.00	LF		\$	
2250	21420ED		DRILLED SHAFT-66 IN (COMMON)	98.00	LF		\$	
2260	21421ED		DRILLED SHAFT-60 IN (SOLID ROCK)	132.00	LF		\$	
2270	23378EC		CONCRETE SEALING	29,960.00	SQFT		\$	
2280	23813EC		DECK DRAIN	12.00	EACH		\$	
2290	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	458.00	LF		\$	

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Section: 0008 - BRIDGE- I-64 WB BRIDGE OVER KY 151

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2300	02231		STRUCTURE GRANULAR BACKFILL	373.00	CUYD		\$	
2310	03299		ARMORED EDGE FOR CONCRETE	120.90	LF		\$	
2320	08002		STRUCTURE EXCAV-SOLID ROCK	114.00	CUYD		\$	
2330	08003		FOUNDATION PREPARATION FD52 037 0064 047-052	1.00	LS		\$	
2340	08020		CRUSHED AGGREGATE SLOPE PROT	394.00	TON		\$	
2350	08033		TEST PILES	102.00	LF		\$	
2360	08039		PRE-DRILLING FOR PILES	718.00	LF		\$	
2370	08046		PILES-STEEL HP12X53	616.00	LF		\$	
2380	08094		PILE POINTS-12 IN	28.00	EACH		\$	
2390	08100		CONCRETE-CLASS A	253.10	CUYD		\$	
2400	08104		CONCRETE-CLASS AA	433.00	CUYD		\$	
2410	08135		MECHANICAL REINF COUPLER #10	18.00	EACH		\$	
2420	08150		STEEL REINFORCEMENT	33,502.00	LB		\$	
2430	08151		STEEL REINFORCEMENT-EPOXY COATED	133,023.00	LB		\$	
2440	08269		ELECTRICAL CONDUIT FD52 037 0064 047-052	1.00	LS		\$	
2450	08634		PRECAST PC I BEAM TYPE 4	1,438.70	LF		\$	
2460	23378EC		CONCRETE SEALING	23,571.00	SQFT		\$	
2470	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	361.50	LF		\$	

Section: 0009 - BRIDGE- NO.26168 I-64 OVER EVERGREEN RD. (KY 1665)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2480	02231		STRUCTURE GRANULAR BACKFILL	530.00	CUYD		\$	
2490	03299		ARMORED EDGE FOR CONCRETE	254.00	LF		\$	
2500	08002		STRUCTURE EXCAV-SOLID ROCK	630.00	CUYD		\$	
2510	08003		FOUNDATION PREPARATION FD52 0064 047-054	1.00	LS		\$	
2520	08020		CRUSHED AGGREGATE SLOPE PROT	765.00	TON		\$	
2530	08033		TEST PILES	39.00	LF		\$	
2540	08039		PRE-DRILLING FOR PILES	362.00	LF		\$	
2550	08046		PILES-STEEL HP12X53	389.00	LF		\$	
2560	08100		CONCRETE-CLASS A	492.40	CUYD		\$	
2570	08104		CONCRETE-CLASS AA	857.60	CUYD		\$	
2580	08130		MECHANICAL REINF COUPLER #5	72.00	EACH		\$	
2590	08132		MECHANICAL REINF COUPLER #7	32.00	EACH		\$	
2600	08134		MECHANICAL REINF COUPLER #9	64.00	EACH		\$	
2610	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	1,286.00	EACH		\$	
2620	08150		STEEL REINFORCEMENT	94,649.00	LB		\$	
2630	08151		STEEL REINFORCEMENT-EPOXY COATED	251,240.00	LB		\$	
2640	08269		ELECTRICAL CONDUIT	1.00	LS		\$	
2650	08633		PRECAST PC I BEAM TYPE 3	2,398.70	LF		\$	
2660	23378EC		CONCRETE SEALING	35,805.00	SQFT		\$	

PROPOSAL BID ITEMS

Report Date 8/9/21

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2670	23813EC		DECK DRAIN	17.00	EACH		\$	
2680	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	350.00	LF		\$	

Section: 0010 - BRIDGE- NO.26169 I-64 OVER CARDWELL LN. (KY 2817)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2690	02231		STRUCTURE GRANULAR BACKFILL	530.00	CUYD		\$	
2700	03299		ARMORED EDGE FOR CONCRETE	255.00	LF		\$	
2710	08002		STRUCTURE EXCAV-SOLID ROCK	100.00	CUYD		\$	
2720	08003		FOUNDATION PREPARATION FD52 0064 047-054	1.00	LS		\$	
2730	08020		CRUSHED AGGREGATE SLOPE PROT	805.00	TON		\$	
2740	08033		TEST PILES	72.00	LF		\$	
2750	08039		PRE-DRILLING FOR PILES	753.00	LF		\$	
2760	08046		PILES-STEEL HP12X53	743.00	LF		\$	
2770	08094		PILE POINTS-12 IN	26.00	EACH		\$	
2780	08100		CONCRETE-CLASS A	522.50	CUYD		\$	
2790	08104		CONCRETE-CLASS AA	822.90	CUYD		\$	
2800	08130		MECHANICAL REINF COUPLER #5	72.00	EACH		\$	
2810	08132		MECHANICAL REINF COUPLER #7	32.00	EACH		\$	
2820	08134		MECHANICAL REINF COUPLER #9	64.00	EACH		\$	
2830	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	1,296.00	EACH		\$	
2840	08150		STEEL REINFORCEMENT	88,237.00	LB		\$	
2850	08151		STEEL REINFORCEMENT-EPOXY COATED	239,053.00	LB		\$	
2860	08269		ELECTRICAL CONDUIT FD52 0064 047-054	1.00	LS		\$	
2870	08633		PRECAST PC I BEAM TYPE 3	2,227.30	LF		\$	
2880	23378EC		CONCRETE SEALING	37,630.00	SQFT		\$	
2890	23813EC		DECK DRAIN	16.00	EACH		\$	
2900	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	350.00	LF		\$	

Section: 0011 - BRIDGE-DOUBLE 12' X 6' RCBC NO. 13537 TRIB. TO S. BENSON CREEK

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2910	20465EC		CLEAN CULVERT FD52 0064 047-054	1.00	LS		\$	
2920	22146EN		CONCRETE PATCHING REPAIR	24.00	SQFT		\$	
2930	23378EC		CONCRETE SEALING	342.00	SQFT		\$	
2940	23744EC		EPOXY INJECTION CRACK REPAIR	318.00	LF		\$	

Section: 0012 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2950	02742		TRAINEE PAYMENT REIMBURSEMENT (1 CARPENTER)	1,400.00	HOURL		\$	

FRANKLIN COUNTY
037GR21D039
211039

PROPOSAL BID ITEMS

Report Date 8/9/21

Section: 0013 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2960	02568		MOBILIZATION	1.00	LS		\$	
2970	02569		DEMOBILIZATION	1.00	LS		\$	