



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

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Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

April 26, 2022

CALL NO. 207  
CONTRACT ID NO. 221315  
ADDENDUM # 1

Subject: Washington-Anderson Counties, 121GR22D015  
Letting April 28, 2022

- (1) Revised - General Summary - Pages 53-54 of 172
- (2) Revised - Paving Summary - Page 56 of 172
- (3) Revised - Traffic Control Plan - Page 70 of 172
- (4) Revised - Proposal Notes - Pages 76-85 of 172
- (5) Revised - Material Summary - Pages 121-123 of 172
- (6) Revised - Proposal Bid Items - Pages 170-172 of 172
- (7) Omit Pages 55, 59, and 86

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 cursive script that reads "Rachel Mills".

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

RM:mr

Enclosures

**BG 9002**  
**WASHINGTON COUNTY**  
**ITEM NO. 4-22178 , PAVEMENT REHABILITATION**  
**MILEPOINT 42.000 TO 44.807**  
**GENERAL SUMMARY**

ITEM NUMBER	ITEM	UNIT	QUANTITY
00001	DGA BASE	① TON	742
00100	ASPHALT SEAL AGGREGATE	① TON	258
00103	ASPHALT SEAL COAT	① TON	31
00194	LEVELING & WEDGING PG76-22	① TON	500
00219	CL4 ASPH BASE 1.00D PG76-22	① TON	500
00342	CL4 ASPH SURF 0.38A PG76-22	① TON	7,989
02676	MOBILIZATION FOR MILL & TEXT	① LS	1
20071EC	JOINT ADHESIVE	① LF	58,092
24964EC	FINE MILLING	① SQYD	98,854
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	① TON	37
00464	CULVERT PIPE-24 IN	② LF	16
00466	CULVERT PIPE-30 IN	② LF	4
01208	PIPE CULVERT HEADWALL-24 IN	② EACH	4
01210	PIPE CULVERT HEADWALL-30 IN	② EACH	1
01310	REMOVE PIPE	② LF	20
02165	REMOVE PAVED DITCH	② SQYD	245
02220	FLOWABLE FILL	② CUYD	7
02484	CHANNEL LINING CLASS III	② TON	563
02625	REMOVE HEADWALL	② EACH	5
22883EN	CONCRETE WEDGE CURB	② LF	43
23484EC	PIPE LINER ACCEPTANCE TESTING	② LS	1
23956EC	PIPE REPAIR	② EACH	1
24861EC	PVC FOLD AND FORM PIPE LINER-15 IN	② LF	221
01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	③ EACH	12
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	③ EACH	1
02367	GUARDRAIL END TREATMENT TYPE 1	③ EACH	1
02381	REMOVE GUARDRAIL	③ LF	450
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	③ LF	400
20191ED	OBJECT MARKER TY 3	③ EACH	1
02159	TEMP DITCH	LF	7,411
02160	CLEAN TEMP DITCH	LF	3,705
02703	SILT TRAP TYPE A	EACH	2
02704	SILT TRAP TYPE B	EACH	2
02705	SILT TRAP TYPE C	EACH	2
02706	CLEAN SILT TRAP TYPE A	EACH	2
02707	CLEAN SILT TRAP TYPE B	EACH	2

- ① CARRIED OVER FROM PAVING SUMMARY.
- ② CARRIED OVER FROM PIPE SUMMARY.
- ③ CARRIED OVER FROM GUARDRAIL SUMMARY.

**BG 9002**  
**WASHINGTON COUNTY**  
**ITEM NO. 4-22178 , PAVEMENT REHABILITATION**  
**MILEPOINT 42.000 TO 44.807**  
**GENERAL SUMMARY**

ITEM NUMBER	ITEM	UNIT	QUANTITY
02708	CLEAN SILT TRAP TYPE C	EACH	2
02575	DITCHING AND SHOULDERING	LF	14,821
05950	EROSION CONTROL BLANKET	SQYD	9,680
05952	TEMP MULCH	SQYD	6,453
05953	TEMP SEEDING AND PROTECTION	SQYD	4,840
05963	INITIAL FERTILIZER	TON	0.5
05964	MAINTENANCE FERTILIZER	TON	0.3
05989	SPECIAL SEEDING CROWN VETCH	SQYD	1,162
05992	AGRICULTURAL LIMESTONE	TON	6
40030	TEMPORARY SILT FENCE	LF	7,411
02562	TEMPORARY SIGNS	SQFT	1,000
02650	MAINTAIN & CONTROL TRAFFIC	LS	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4
02775	ARROW PANEL	EACH	2
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF	88,926
06549	PAVE STRIPING-TEMP REM TAPE-B	LF	6,750
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	3,600
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	1,800
06585	PAVEMENT MARKER TY IVA-MW TEMP	EACH	180
06586	PAVEMENT MARKER TY IVA-MY TEMP	EACH	90
26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	MONT	2
26137EC	QUEUE WARNING PCMS	MONT	8
26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	MONT	8
02565	OBJECT MARKER TYPE 2	EACH	4
06401	FLEXIBLE DELINEATOR POST-M/W	EACH	212
06542	PAVE STRIPING-THERMO-6 IN W	LF	36,308
06543	PAVE STRIPING-THERMO-6 IN Y	LF	29,046
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	1,225
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	980
06613	INLAID PAVEMENT MARKER-B W/R	EACH	363
25090EC	SINUSOIDAL RUMBLE STRIPS	LF	58,092
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LS	1
02726	STAKING	LS	1
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	SQFT	696,393
02568	MOBILIZATION	LS	1
02569	DEMOBILIZATION	LS	1
10020NS	FUEL ADJUSTMENT	DOLL	13,992
10030NS	ASPHALT ADJUSTMENT	DOLL	35,143



## **TRAFFIC PHASING OVERVIEW**

Phase I is intended to perform all work required prior to the typical mill and inlay operations. Phase II is intended to complete the mill and inlay depicted on the typical sections through final surfacing. Phase III is intended to complete final pavement markings and final cleanup.

### **Project Phasing:**

#### **PHASE IA**

In this phase, close the outside lanes, maintaining traffic in the inside lanes, and complete Asphalt Pavement Repairs, Perforated Pipe Inspection, Drainage Repairs, located in or adjacent to the mainline outside lanes. Complete Erosion Remedial Measures, Paved Ditch Removal, Guardrail Repairs, and all other items of work, located in or adjacent to the mainline outside lanes, required prior to the typical mill and inlay operations.

Remove lane closures and restore traffic to two lanes on the mainline for any period of time more than 3 days that no work will be performed requiring a lane closure.

#### **PHASE IB**

In this phase, close the inside lanes, maintaining traffic in the outside lanes, and complete Asphalt Pavement Repairs and Perforated Pipe Inspection located in or adjacent to the mainline inside lanes. Complete Erosion Remedial Measures, and all other items of work, located in or adjacent to the mainline inside lanes, required prior to the typical mill and inlay operations.

Remove lane closures and restore traffic to two lanes on the mainline for any period of time more than 3 days that no work will be performed requiring a lane closure.

#### **PHASE IIA**

Maintain traffic in the outside lanes, with the inside lanes remaining closed from the prior phase. Complete Fine Milling and place final asphalt surfacing on the inside lanes and inside shoulders. Complete DGA Wedge as needed and asphalt seal coat where applicable.

#### **PHASE IIB**

Shift traffic to the inside lane, closing the outside mainline lane to traffic. Complete Fine Milling and place final asphalt surfacing on the outside lanes and outside shoulders. Complete DGA Wedge as needed and asphalt seal coat where applicable.

#### **PHASE III**

Using alternating lane closures, complete any remaining work including installation of final pavement markings, inlaid pavement markers, flexible delineators, shoulder rumble strips and final cleanup, etc.

**BG 9002**  
**Washington County**  
**NHPP 9002(006)**  
**FD52 115 9002 042-045**  
**Item No. 4-22178**  
**MP 42.000 TO MP 44.807**

**THIS PROJECT IS A FULLY  
CONTROLLED ACCESS HIGHWAY**

**I. DESCRIPTION**

Perform all work in accordance with the Department's 2019 Standard Specifications, Supplemental Specifications, Applicable Special Provisions, and Applicable Standard and Sepia Drawings, except as hereafter specified. Article references are to the Standard Specifications. Furnish all materials, labor, equipment, and incidentals for the following work:

(1) Maintain and Control Traffic; (2) Drainage structure work; (3) Asphalt Pavement Repairs; (4) Guardrail Repairs; (5) Edge Drain Inspection; (6) Asphalt Pavement and Milling and Texturing; (7) Pavement markers and markings; (8) Erosion Repairs; (9) All other work specified as part of this contract.

**II. MATERIALS**

Except as specified in these notes or on the drawings, all materials will be according to the Standard Specifications and applicable Special Provisions and Special Notes. The Department will sample and test all materials according to Department's Sampling Manual and the Contractor will have the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing, unless otherwise specified in these notes.

- A. **Maintain and Control Traffic.** See Traffic Control Plan.
- B. **Pavement Markings - 6 inch.** Use extruded Thermoplastic Pavement Markings for permanent striping on asphalt and Durable Type I Tape on bridge decks.
- C. **Channel Lining Class II & III.** Channel lining will be limestone and is to be placed at pipe outlets, ditch repair and eroded locations as directed by the Engineer.
- D. **Asphalt Material for Tack Non-Tracking.** See "Special Note for Non Tracking Tack Coat".

- E. **Joint Adhesive.** See “Special Note for Longitudinal Pavement Joint Adhesive”
- F. **Guardrail.** Use 7’ posts for all guardrail installations.
- G. **Seeding and Protection.** Use erosion control blanket for all seeding applications.
- H. **PVC Fold and Form Pipeliner.** See Special Note for PVC Fold-and Form Pipe Liner and see Special Note for Pipe Liner Acceptance Testing.
- I. **Asphalt Pavement Repairs.** See Asphalt Pavement Repair detail.
- J. **Fine Milling.** See Special Note for Fine Milling.
- K. **Sinusoidal Shoulder Rumble Strips.** See Sinusoidal Shoulder Rumble Strip Detail Multi-Lane Roadways and Ramps.
- L. **Portable Queue Warning Alert System.** See Special Note for Portable Queue Warning Alert System.
- M. **Asphalt Seal Aggregate.** Use crushed limestone #8 or #9m meeting requirements of section 805 of the Specifications.

### III. CONSTRUCTION METHODS

- A. **Maintain and Control Traffic.** See Traffic Control Plan. Use waterblasting methods only for striping removal when necessary in lieu of abrasive or other methods.
- B. **Site Preparation.** Be responsible for all site preparation. Do not disturb existing signs. This item will include, but is not limited to, incidental excavation and backfilling; removal of all obstructions or any other items; disposal of materials; sweeping and removal of debris; shoulder preparation and restoration, temporary and permanent erosion and pollution control; and all incidentals. Site preparation will be only as approved or directed by the Engineer.
- C. **Disposal of Waste.** Dispose of all cuttings, debris, and other waste off the right-of-way at approved sites obtained by the Contractor. The contractor will be responsible for obtaining any necessary permits for this work. Temporary openings in the right of way fence for direct access to waste sites off the right of way or for access to other public roads will not be allowed. No separate payment will be made for obtaining the necessary permits, but will be incidental to the other items of the work. Disposal of existing cuttings and brush shall adhere to Section 202 of the current Standard Specifications.

- D. **Final Dressing, Clean Up, and Seeding and Protection.** After all work is completed, completely remove all debris from the job site. Perform Class A Final Dressing on all disturbed areas. Sow disturbed earthen areas with Seed Mixture No. I or Seed Mixture No. II as applicable and use erosion control blanket in lieu of “Seeding and Protection” in all seeding applications. Install erosion control blanket in all ditching areas not receiving aggregate channel lining.
- E. **Guardrail.** Remove guardrail where necessary to perform erosion repairs, cross slope revision, or other activities necessary requiring removal of guardrail for access. Replace guardrail as soon as practical at the conclusion of the work requiring the removal of the guardrail.
- F. **Pavement Striping and Inlaid Pavement Markers.** Permanent striping will be in accordance with Section 112 for temporary striping and Section 714 for Thermoplastic Markings and Durable Type I Tape, except that:
- (1). Striping will be 6" in width.
  - (2). Permanent striping or temporary striping will be in place before a lane is opened to traffic.
  - (3). Pavement Markers shall be installed per Sepia 7.
- G. **On-Site Inspection.** In accordance with section 102.06, each Contractor submitting a bid for this work will make a thorough inspection of the site prior to submitting a bid and will thoroughly familiarize himself with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department.
- H. **Caution:** Information shown on the drawings and in this proposal, and the types and quantities of work listed are not to be taken as an accurate or complete evaluation of the material and conditions to be encountered during construction. The bidder must draw his own conclusions as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation if the conditions encountered are not in accordance with the information above.
- I. **Utility Clearance.** It is not anticipated that utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities.
- J. **Joint Adhesive.** See “Special Note for Longitudinal Pavement Joint Adhesive”.
- K. **Remove Paved Ditch.** As individually approved by the engineer, paved ditches that are required to be removed due to failure or damage, may be broken into

fragments no greater than 1 foot diameter and reshaped and allowed to remain in place. The ditches must be regraded, filling any voids, and the broken concrete used in the same manner as channel lining. The broken concrete will be supplemented by a 1 – 2 feet thick application of Channel Lining Class III as directed by the engineer.

- L. **Inspect and Certify Edge Drain System.** Complete the edge drain camera inspection prior to the initiation of other construction activities.
- M. **PVC Fold and Form Pipe Liner.** See Special Note for PVC Fold-and Form Pipe Liner and see Special Note for Pipe Liner Acceptance Testing.
- N. **Asphalt Pavement Repairs.** See Asphalt Pavement Repair detail.
- O. **Fine Milling.** See Special Note for Fine Milling. See Special Note for Asphalt Milling and Texturing. Fine Milling shall adhere to all requirements in the specifications for Asphalt Pave Milling & Texturing except for those requirements superseded by special notes and details contained in the proposal.
- P. **Sinusoidal Shoulder Rumble Strips.** See Sinusoidal Shoulder Rumble Strip Detail Multi-Lane Roadways and Ramps.
- Q. **Portable Queue Warning Alert System.** See Special Note for Portable Queue Warning Alert System.

#### IV. METHOD OF MEASUREMENT

- A. **Maintain and Control Traffic.** See Traffic Control Plan. Only the bid items listed will be measured for payment. No measurement or payment for striping removal or removal or covering of existing pavement marker lenses will be made and will be considered incidental to “Maintain and Control Traffic”.
- B. **Site Preparation.** Other than the bid items listed, site preparation will not be measured for payment, but will be incidental to the other items of work.
- C. **Clearing and Grubbing.** No direct measurement will be made for Clearing and Grubbing and any cleaning, clearing, or removal of brush or sod will be considered to be a Site Preparation activity.
- D. **Erosion Control.** Erosion control items will be measured and paid in accordance with the Standard Specifications for Road and Bridge Construction. No direct measurement for seeding in locations that erosion control blanket is used will be made as the seeding is incidental to the erosion control blanket in accordance with the specifications.

- E. **Remove Existing Paved Ditch.** Removal of paved ditches will be measured by the square yard and will include the measured quantity that are broken, reshaped, supplemented by channel lining and allowed to remain on the project as approved by the engineer. Channel lining used will be measured separately for payment.
- F. **Joint Adhesive.** See “Special Note for Longitudinal Pavement Joint Adhesive”.
- G. **Pavement Markers Removal.** No direct payment will be made for the removal of the existing pavement markers prior to the milling operation and shall be considered incidental to milling and texturing.
- H. **Fabric-Geotextile Class 2.** No direct measurement or payment will be made for Fabric-Geotextile Class 2 used in conjunction with the placement of channel lining in channel lined ditches or other incidental applications.
- I. **PVC Fold and Form Pipeliner.** See Special Note for PVC Fold-and Form Pipe Liner and see Special Note for Pipe Liner Acceptance Testing.
- J. **Asphalt Pavement Repairs.** See Asphalt Pavement Repair detail.
- K. **Fine Milling.** See Special Note for Fine Milling. See Special Note for Asphalt Milling and Texturing.
- L. **Sinusoidal Shoulder Rumble Strips.** See Sinusoidal Shoulder Rumble Strip Detail Multi-Lane Roadways and Ramps. Sinusoidal Shoulder Rumble Strips will be measured longitudinally and paid per linear foot along the shoulder for each line of rumble strips installed.
- M. **Portable Queue Warning Alert System.** See Special Note for Portable Queue Warning Alert System.

## V. BASIS OF PAYMENT

No direct payment will be made other than for the bid items listed. All other items required to complete the construction will be incidental to the bid items listed. Existing signs damaged by the Contractor will be replaced by the Contractor at his expense. Payment will be made in accordance with the KYTC Standard Specifications, current edition with supplemental specifications and current Standard Drawings unless otherwise specified herein.

- A. **Maintain and Control Traffic.** See Traffic Control Plan.
- B. **Site Preparation.** Other than the bid items listed, no direct payment will be allowed for site preparation, but will be incidental to the other items of work.
- C. **Roadway Excavation, Borrow Excavation and Embankment in Place.** No direct measurement or payment will be made for the items “Roadway Excavation” or “Borrow Excavation” or “Embankment in Place”. All excavation, borrow,

embankment or grading and dressing necessary to complete the work, such as excavating or dressing slopes, erosion repairs, excavation and backfill of pipe, etc., will be considered incidental to the item of work requiring the grading or will be considered as of Site Preparation.

- D. **Pavement Marker Removal.** No direct payment will be made for the removal of the existing pavement markers prior to the milling operation and shall be considered incidental to milling and texturing.
- E. **Temporary Striping.** In accordance with Section 714.04.01, the Department will **NOT** measure temporary paint used for interim markings for Thermoplastic Paint applications.
- F. **Lane Closures.** Contrary to Section 112, lane closures will not be measured for payment but will be incidental to the bid item “Maintain and Control Traffic”. Arrow boards, portable message boards, and signs shall be paid for one time regardless of how many times they are moved.
- G. **Barricade Type III** – Contrary to the specifications, no direct measurement or payment will be made for Barricade Type III.
- H. **Ditching and Shouldering.** In accordance with Section 209 of the Standard Specifications, the bid item “Ditching and shouldering” includes ditching on both sides of the roadway and the median for the entire length of the project. Cleaning of all drainage structures, including perforated pipe headwalls and pipe structures 36 inches in diameter or less is also included in this bid item. Plan quantity of “Ditching and Shouldering” will be paid upon the completion of all items of work required.
- I. **Remove Existing Paved Ditch.** The removal of the existing paved ditch shall be paid for as “square yards” and shall include the breaking and reshaping of the existing concrete in preparation for installation of the Class III Channel Lining.
- J. **Milling and Texturing.** All reference to Milling, Milling and Texturing, or Asphalt Pave Milling & Texturing will be considered to mean Fine Milling.
- K. **Waterblasting Striping Removal.** Waterblasting Striping Removal will be required for all striping removal applications and will be considered incidental to “Maintain and Control Traffic”.
- L. **Joint Adhesive.** See “Special Note for Longitudinal Pavement Joint Adhesive”
- M. **Asphalt Material for Tack Non-Tracking.** See Special Note for Non Tracking Tack Coat.

- N. **Fabric-Geotextile Class 2.** No direct measurement or payment will be made for Fabric-Geotextile Class 2 used in conjunction with the placement of channel lining in channel lined ditches or other incidental applications.
- O. **Inspect and Certify Edge Drain System.** Payment for “Inspect and Certify Edge Drain System” will include the camera inspection of the entire existing system.
- P. **Guardrail.** The Department will only measure and pay for the removal of guardrail and placement of new guardrail for items of work that have an established contract quantity of guardrail items. Removal of guardrail may be allowed for other work items for access to the work area, however the removal and reinstallation of guardrail for these applications will be at the contractor’s expense.
- Q. **PVC Fold and Form Pipeliner.** See Special Note for PVC Fold-and Form Pipe Liner and see Special Note for Pipe Liner Acceptance Testing.
- R. **Asphalt Pavement Repairs.** See Asphalt Pavement Repair detail.
- S. **Fine Milling.** See Special Note for Fine Milling. See Special Note for Asphalt Milling and Texturing.
- T. **Sinusoidal Shoulder Rumble Strips.** See Sinusoidal Shoulder Rumble Strip Detail Multi-Lane Roadways and Ramps. Sinusoidal Shoulder Rumble Strips will be measured longitudinally and paid per linear foot along the shoulder for each line of rumble strips installed.
- U. **Portable Queue Warning Alert System.** See Special Note for Portable Queue Warning Alert System.
- V. **Truck Mounted Attenuator.** See Traffic Control Plan. No direct measurement or payment will be made for Truck Mounted Attenuator and will be considered incidental to Maintain and Control Traffic.

**BG 9002**  
**Washington County**  
**NHPP 9002(006)**  
**FD52 115 9002 042-045**  
**Item No. 4-22178**

**MP 42.000 TO MP 44.807**

This project is intended to provide a thin asphalt mill and inlay and provide a new riding surface. The full width of the inside shoulders will be milled and inlaid and 3' width of the outside shoulders.

1. The dimensions shown on the typical section for pavement and shoulder widths and thickness are nominal or typical dimensions. The actual dimensions to be constructed may be varied to fit existing conditions as directed or approved by the Engineer. It is not intended that existing pavement or shoulders be widened unless otherwise specified in the Proposal.
2. The contractor is to be advised of the locations of overhead utility wires on the project. The following locations are approximate:

Mile 42.72

Mile 44.19

Mile 44.55

Mile 44.77

**CAUTION:** Other overhead utility locations may exist. These and all other utilities should be avoided on this project. If any utility is impacted, it will be the contractor's responsibility to contact the affected utility and cover any costs associated with the impact.

3. The contractor is advised that the planned locations of work established by milepoints are referenced from the Kentucky Transportation Cabinet's Official Route Log. The existing reference markers may not correspond to the established work locations.
4. Quantities of guardrail removal and installation of new guardrail have been established for areas requiring removal for access for shoulder erosion repair work, cross slope repair, etc. The contractor will place traffic drums on 20' spacing in the areas and pin down exposed blunt ends until such time that guardrail is re-established. Either a lane closure or shoulder closure shall be in place at any time that a section of guardrail is not in place.
5. The Contractor shall deliver existing salvaged guardrail system materials to the Central Sign Shop and Recycle center at 1224 Wilkinson Blvd in Frankfort, KY. Contact Section Supervisor at (502) 564-8187 to schedule the delivery of material. Deliver the material between the hours of 8:00AM and 3:30PM, Monday through Friday. There is a Guardrail Delivery Verification Sheet which must be completed and signed by the Contractor, Engineer and a representative of the Central Sign Shop and Recycle Center. A copy of this sheet is included elsewhere in the proposal.

6. Flexible Delineators shall meet the requirements of Section 830 and 838 of the Standard Specifications, and be placed in accordance with Section 3D of the M.U.T.C.D., current edition and current Standard Drawing.
7. This project requires the use of a Material Transfer Vehicle. In accordance with Section A of 403.03.05.
8. The speed limit on the project will be reduced to 55 mph while lane closures are in place. Any time work is suspended the speed limit will revert back to 70 mph. Also, double fine signs are set up in the project to be installed while workers are present in the work zone.
9. The existing paved median U-turns within the project limits will be resurfaced.
10. Quantities of Channel Lining Class III have been included to be used in eroded areas around pipe inlet/outlets or in ditches to be repaired as directed and/or approved by the Engineer. The actual limits of the channel lining will be as directed and/or approved by the Engineer. Geotextile Fabric Class 2, as outlined in Section 214 of the Standard Specifications, will not be measured for payment, and will be considered incidental to channel lining.
11. The contractor is to take care not to damage any existing roadway signs. Any roadway signs that are damaged during construction are to be replaced at the contractor's expense in accordance with section 105.08 of the standard specifications.
12. The cleaning of existing pipe culvert inlets and outlets 36 inches or less in diameter are incidental to the bid item for "Ditching and Shouldering" in accordance with Section 209 of the 2019 Edition of the Standard Specifications for Road and Bridge Construction. This includes the cleaning of existing perforated pipe headwalls. Cleaning of all drainage structures and perforated pipe headwalls will be required whether or not they are identified on the plan sheets. Locations of existing drainage structures and perforated pipe headwalls are for informational purposes only and are not to be considered to consist of all possible structures.
13. Areas established as Asphalt Pavement Repair locations will be repaired as directed by the Engineer. After the contractor has closed the roadway, the Engineer will mark the areas to be repaired. The engineer reserves the right to increase, decrease, or eliminate this item of work based on the field conditions encountered.

14. Quantities of Asphalt Seal Coat and Seal Aggregate, and DGA base have been established to wedge and eliminate greater than 1 inch drop offs. Due to the inconsistent nature of the slopes outside the paved shoulder, and due to the existence of existing guardrail, application of asphalt seal coat will not be practical in all locations. The intent is to provide a DGA wedge to eliminate dropoff situations and to re-establish the typical stone shoulder width where needed and where practical to do so.
15. Coordinate activities of any adjacent contracts with this contract. The engineer will decide the relative priority concerning phasing and maintenance of traffic when conflicts arise with projects in close proximity with this project.
16. Preserve the existing edge drain system unless otherwise directed by the engineer. Any damage to the existing system caused by construction activities on the project will be required to be repaired at the contractor's expense. A camera inspection of the entire edge drain system has been set up to assess the condition of the existing system. If any repairs are directed to be made by the engineer (except for damage resulting from other construction activities), the proposed repair work and camera inspection and certification of repairs will be covered by a supplemental agreement.
17. Any excavation, embankment and backfill for the culvert pipe installation and headwall installation is incidental to the respective bid item. The contractor may borrow soil at the local installation area if available, provided final dressing and seeding of all disturbance is performed.
18. A quantity of remove pipe has been estimated for removal and replacement of small drainage structures. Remove only the amount needed for the repair. Replace pipe with the same materials as the existing pipe to be connected. Use metal bands for corrugated metal pipe tie-ins and remove concrete pipe to the nearest bell or spigot and bell up the new section if possible. If pipe cannot be connected by belling or by pipe bands, the contractor may seal the connection area and place a concrete collar with a minimum 12 inch thickness in any direction at his own expense. Verify size, length and type of pipe prior to ordering precast small drainage structures and replacement pipe.
19. A sinkhole was discovered and is believed to be caused by pipe backfill erosion. See Culvert Backfill Repair details for repair methods and pay quantities.

# MATERIAL SUMMARY

**CONTRACT ID: 221315**

**121GR22D015**

**DE00390022215**

BLUEGRASS PARKWAY (PW 9002) FROM MP 44.807 TO MP 47.200 ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 2.39 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	443.00	TON
0010	00100	ASPHALT SEAL AGGREGATE	77.00	TON
0015	00103	ASPHALT SEAL COAT	10.00	TON
0020	00193	ASPHALT SCRATCH COURSE PG76-22	2,544.00	TON
0025	00342	CL4 ASPH SURF 0.38A PG76-22	7,042.00	TON
0030	02676	MOBILIZATION FOR MILL & TEXT - (ANDERSON CO)	1.00	LS
0035	02677	ASPHALT PAVE MILLING & TEXTURING	9,586.00	TON
0040	20071EC	JOINT ADHESIVE	51,152.00	LF
0045	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	51,152.00	LF
0050	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	768,195.00	SF
0055	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	60.00	TON
0060	01691	FLUME INLET TYPE 2	1.00	EACH
0065	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	6.00	EACH
0070	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0075	02381	REMOVE GUARDRAIL	477.00	LF
0080	02483	CHANNEL LINING CLASS II	230.00	TON
0085	02484	CHANNEL LINING CLASS III	60.00	TON
0090	02562	TEMPORARY SIGNS	400.00	SQFT
0095	02650	MAINTAIN & CONTROL TRAFFIC - (ANDERSON CO)	1.00	LS
0100	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0105	02726	STAKING - (ANDERSON CO)	1.00	LS
0110	02775	ARROW PANEL	2.00	EACH
0115	05950	EROSION CONTROL BLANKET	500.00	SQYD
0120	06401	FLEXIBLE DELINEATOR POST-M/W	182.00	EACH
0125	06511	PAVE STRIPING-TEMP PAINT-6 IN	35,167.00	LF
0130	06542	PAVE STRIPING-THERMO-6 IN W	31,970.00	LF
0135	06543	PAVE STRIPING-THERMO-6 IN Y	25,576.00	LF
0140	06549	PAVE STRIPING-TEMP REM TAPE-B	5,000.00	LF
0145	06550	PAVE STRIPING-TEMP REM TAPE-W	2,500.00	LF
0150	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,500.00	LF
0155	06613	INLAID PAVEMENT MARKER-B W/R	320.00	EACH
0160	10020NS	FUEL ADJUSTMENT	8,541.00	DOLL
0165	10030NS	ASPHALT ADJUSTMENT	17,255.00	DOLL
0170	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	312.50	LF
0175	24662EC	CLEAN - PERFORATED PIPE HEADWALLS	7.00	EACH
0180	26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	2.00	MONT
0185	26137EC	QUEUE WARNING PCMS	8.00	MONT
0190	26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	8.00	MONT
0195	02569	DEMOBILIZATION	1.00	LS

**CONTRACT ID: 221315**

**121GR22D015**

**DE11590022215**

# MATERIAL SUMMARY

BLUEGRASS PARKWAY (PW 9002) FROM MILEPOINT 42.000 TO MILEPOINT 44.807 ASPHALT REHAB INTERSTATE/PARKWAY, A DISTANCE OF 2.81 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0200	00001	DGA BASE	742.00	TON
0205	00100	ASPHALT SEAL AGGREGATE	258.00	TON
0210	00103	ASPHALT SEAL COAT	31.00	TON
0215	00194	LEVELING & WEDGING PG76-22	500.00	TON
0220	00219	CL4 ASPH BASE 1.00D PG76-22 - (REVISED 4-26-22)	500.00	TON
0225	00342	CL4 ASPH SURF 0.38A PG76-22	7,989.00	TON
0230	02676	MOBILIZATION FOR MILL & TEXT - (WASHINGTON CO)	1.00	LS
0235	20071EC	JOINT ADHESIVE	58,092.00	LF
0240	24964EC	FINE MILLING	98,854.00	SQYD
0245	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	37.00	TON
0255	00464	CULVERT PIPE-24 IN	16.00	LF
0260	00466	CULVERT PIPE-30 IN	4.00	LF
0275	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - (WASHINGTON CO)	1.00	LS
0295	01208	PIPE CULVERT HEADWALL-24 IN	4.00	EACH
0300	01210	PIPE CULVERT HEADWALL-30 IN	1.00	EACH
0305	01310	REMOVE PIPE	20.00	LF
0315	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	12.00	EACH
0320	02159	TEMP DITCH	7,411.00	LF
0325	02160	CLEAN TEMP DITCH	3,705.00	LF
0330	02165	REMOVE PAVED DITCH	245.00	SQYD
0335	02220	FLOWABLE FILL	7.00	CUYD
0340	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	1.00	EACH
0345	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0350	02381	REMOVE GUARDRAIL	450.00	LF
0355	02484	CHANNEL LINING CLASS III	563.00	TON
0360	02562	TEMPORARY SIGNS	1,000.00	SQFT
0365	02565	OBJECT MARKER TYPE 2	4.00	EACH
0370	02575	DITCHING AND SHOULDERING	14,821.00	LF
0375	02625	REMOVE HEADWALL	5.00	EACH
0380	02650	MAINTAIN & CONTROL TRAFFIC - (WASHINGTON CO)	1.00	LS
0385	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0390	02703	SILT TRAP TYPE A	2.00	EACH
0395	02704	SILT TRAP TYPE B	2.00	EACH
0400	02705	SILT TRAP TYPE C	2.00	EACH
0405	02706	CLEAN SILT TRAP TYPE A	2.00	EACH
0410	02707	CLEAN SILT TRAP TYPE B	2.00	EACH
0415	02708	CLEAN SILT TRAP TYPE C	2.00	EACH
0420	02726	STAKING - (WASHINGTON CO)	1.00	LS
0425	02775	ARROW PANEL	2.00	EACH
0430	05950	EROSION CONTROL BLANKET	9,680.00	SQYD
0435	05952	TEMP MULCH	6,453.00	SQYD
0440	05953	TEMP SEEDING AND PROTECTION	4,840.00	SQYD
0445	05963	INITIAL FERTILIZER	.50	TON
0450	05964	MAINTENANCE FERTILIZER	.30	TON

# MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0455	05989	SPECIAL SEEDING CROWN VETCH	1,162.00	SQYD
0460	05992	AGRICULTURAL LIMESTONE	6.00	TON
0465	06401	FLEXIBLE DELINEATOR POST-M/W	212.00	EACH
0470	06511	PAVE STRIPING-TEMP PAINT-6 IN	88,926.00	LF
0475	06542	PAVE STRIPING-THERMO-6 IN W	36,308.00	LF
0480	06543	PAVE STRIPING-THERMO-6 IN Y	29,046.00	LF
0485	06549	PAVE STRIPING-TEMP REM TAPE-B	6,750.00	LF
0490	06550	PAVE STRIPING-TEMP REM TAPE-W	3,600.00	LF
0495	06551	PAVE STRIPING-TEMP REM TAPE-Y	1,800.00	LF
0500	06556	PAVE STRIPING-DUR TY 1-6 IN W	1,225.00	LF
0505	06557	PAVE STRIPING-DUR TY 1-6 IN Y	980.00	LF
0510	06585	PAVEMENT MARKER TY IVA-MW TEMP	180.00	EACH
0515	06586	PAVEMENT MARKER TY IVA-MY TEMP	90.00	EACH
0520	06613	INLAID PAVEMENT MARKER-B W/R	363.00	EACH
0525	10020NS	FUEL ADJUSTMENT	13,992.00	DOLL
0530	10030NS	ASPHALT ADJUSTMENT	35,143.00	DOLL
0535	20191ED	OBJECT MARKER TY 3	1.00	EACH
0545	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	400.00	LF
0550	22883EN	CONCRETE WEDGE CURB	43.00	LF
0555	23484EC	PIPE LINER ACCEPTANCE TESTING - (WASHINGTON CO)	1.00	LS
0560	23956EC	PIPE REPAIR	1.00	EACH
0565	24861EC	PVC FOLD AND FORM PIPE LINER-15 IN	221.00	LF
0570	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	696,393.00	SF
0575	25090EC	SINUSOIDAL RUMBLE STRIPS	58,092.00	LF
0580	26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	2.00	MONT
0585	26137EC	QUEUE WARNING PCMS	8.00	MONT
0590	26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	8.00	MONT
0595	40030	TEMPORARY SILT FENCE	7,411.00	LF
0600	02568	MOBILIZATION	1.00	LS
0605	02569	DEMOBILIZATION	1.00	LS

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	1,185.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	335.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	41.00	TON		\$	
0040	00193		ASPHALT SCRATCH COURSE PG76-22	2,544.00	TON		\$	
0050	00194		LEVELING & WEDGING PG76-22	500.00	TON		\$	
0060	00219		CL4 ASPH BASE 1.00D PG76-22 (REVISED 4-26-22)	500.00	TON		\$	
0070	00342		CL4 ASPH SURF 0.38A PG76-22	15,031.00	TON		\$	
0080	02676		MOBILIZATION FOR MILL & TEXT (ANDERSON CO)	1.00	LS		\$	
0090	02676		MOBILIZATION FOR MILL & TEXT (WASHINGTON CO)	1.00	LS		\$	
0100	02677		ASPHALT PAVE MILLING & TEXTURING	9,586.00	TON		\$	
0110	20071EC		JOINT ADHESIVE	109,244.00	LF		\$	
0120	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	51,152.00	LF		\$	
0130	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	768,195.00	SF		\$	
0140	24964EC		FINE MILLING	98,854.00	SQYD		\$	
0150	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	97.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	00464		CULVERT PIPE-24 IN	16.00	LF		\$	
0180	00466		CULVERT PIPE-30 IN	4.00	LF		\$	
0210	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM (WASHINGTON CO)	1.00	LS		\$	
0250	01208		PIPE CULVERT HEADWALL-24 IN	4.00	EACH		\$	
0260	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
0270	01310		REMOVE PIPE	20.00	LF		\$	
0280	01691		FLUME INLET TYPE 2	1.00	EACH		\$	
0300	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	18.00	EACH		\$	
0310	02159		TEMP DITCH	7,411.00	LF		\$	
0320	02160		CLEAN TEMP DITCH	3,705.00	LF		\$	
0330	02165		REMOVE PAVED DITCH	245.00	SQYD		\$	
0340	02220		FLOWABLE FILL	7.00	CUYD		\$	
0350	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	1.00	EACH		\$	
0360	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0370	02381		REMOVE GUARDRAIL	927.00	LF		\$	
0380	02483		CHANNEL LINING CLASS II	230.00	TON		\$	
0390	02484		CHANNEL LINING CLASS III	623.00	TON		\$	
0400	02562		TEMPORARY SIGNS	1,400.00	SQFT		\$	
0410	02565		OBJECT MARKER TYPE 2	4.00	EACH		\$	
0420	02575		DITCHING AND SHOULDERING	14,821.00	LF		\$	
0430	02625		REMOVE HEADWALL	5.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0440	02650		MAINTAIN & CONTROL TRAFFIC (ANDERSON CO)	1.00	LS		\$	
0450	02650		MAINTAIN & CONTROL TRAFFIC (WASHINGTON CO)	1.00	LS		\$	
0460	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0470	02703		SILT TRAP TYPE A	2.00	EACH		\$	
0480	02704		SILT TRAP TYPE B	2.00	EACH		\$	
0490	02705		SILT TRAP TYPE C	2.00	EACH		\$	
0500	02706		CLEAN SILT TRAP TYPE A	2.00	EACH		\$	
0510	02707		CLEAN SILT TRAP TYPE B	2.00	EACH		\$	
0520	02708		CLEAN SILT TRAP TYPE C	2.00	EACH		\$	
0530	02726		STAKING (ANDERSON CO)	1.00	LS		\$	
0540	02726		STAKING (WASHINGTON CO)	1.00	LS		\$	
0550	02775		ARROW PANEL	4.00	EACH		\$	
0560	05950		EROSION CONTROL BLANKET	10,180.00	SQYD		\$	
0570	05952		TEMP MULCH	6,453.00	SQYD		\$	
0580	05953		TEMP SEEDING AND PROTECTION	4,840.00	SQYD		\$	
0590	05963		INITIAL FERTILIZER	.50	TON		\$	
0600	05964		MAINTENANCE FERTILIZER	.30	TON		\$	
0610	05989		SPECIAL SEEDING CROWN VETCH	1,162.00	SQYD		\$	
0620	05992		AGRICULTURAL LIMESTONE	6.00	TON		\$	
0630	06401		FLEXIBLE DELINEATOR POST-M/W	394.00	EACH		\$	
0640	06511		PAVE STRIPING-TEMP PAINT-6 IN	124,093.00	LF		\$	
0650	06542		PAVE STRIPING-THERMO-6 IN W	68,278.00	LF		\$	
0660	06543		PAVE STRIPING-THERMO-6 IN Y	54,622.00	LF		\$	
0670	06549		PAVE STRIPING-TEMP REM TAPE-B	11,750.00	LF		\$	
0680	06550		PAVE STRIPING-TEMP REM TAPE-W	6,100.00	LF		\$	
0690	06551		PAVE STRIPING-TEMP REM TAPE-Y	4,300.00	LF		\$	
0700	06556		PAVE STRIPING-DUR TY 1-6 IN W	1,225.00	LF		\$	
0710	06557		PAVE STRIPING-DUR TY 1-6 IN Y	980.00	LF		\$	
0720	06585		PAVEMENT MARKER TY IVA-MW TEMP	180.00	EACH		\$	
0730	06586		PAVEMENT MARKER TY IVA-MY TEMP	90.00	EACH		\$	
0740	06613		INLAID PAVEMENT MARKER-B W/R	683.00	EACH		\$	
0750	10020NS		FUEL ADJUSTMENT	22,533.00	DOLL	\$1.00	\$	\$22,533.00
0760	10030NS		ASPHALT ADJUSTMENT	52,398.00	DOLL	\$1.00	\$	\$52,398.00
0770	20191ED		OBJECT MARKER TY 3	1.00	EACH		\$	
0790	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	712.50	LF		\$	
0800	22883EN		CONCRETE WEDGE CURB	43.00	LF		\$	
0810	23484EC		PIPE LINER ACCEPTANCE TESTING (WASHINGTON CO)	1.00	LS		\$	
0820	23956EC		PIPE REPAIR	1.00	EACH		\$	
0830	24662EC		CLEAN PERFORATED PIPE HEADWALLS	7.00	EACH		\$	
0840	24861EC		PVC FOLD AND FORM PIPE LINER-15 IN	221.00	LF		\$	
0850	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	696,393.00	SF		\$	
0860	25090EC		SINUSOIDAL RUMBLE STRIPS	58,092.00	LF		\$	
0870	26136EC		PORTABLE QUEUE WARNING ALERT SYSTEM	4.00	MONT		\$	
0880	26137EC		QUEUE WARNING PCMS	16.00	MONT		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0890	26138EC		QUEUE WARNING PORTABLE RADAR SENSORS	16.00	MONT		\$	
0900	40030		TEMPORARY SILT FENCE	7,411.00	LF		\$	

#### Section: 0003 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0910	02568		MOBILIZATION	1.00	LS		\$	
0920	02569		DEMOBILIZATION	1.00	LS		\$	