



Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

November 8, 2019

CALL NO. 203
CONTRACT ID NO. 191070
ADDENDUM # 1

Subject: CARROLL-GALLATIN COUNTIES, 121GR19D070-HSIP
Letting November 22, 2019

- (1) Revised - Special Notes for Median Barrier - Page 21 of 87
- (2) Added - Special Notes for Erosion Prevention and Sediment Control -
Page 30(a) of 87
- (3) Revised - Delete Page 31 of 87
- (4) Revised - Traffic Control Plan - Pages 32-35 of 87
- (5) Revised - Material Summary - Pages 39-39(a) of 87
- (6) Revised - Proposal Bid Items - Page 87 of 87

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

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

Sincerely,

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

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

RM:mr
Enclosures



An Equal Opportunity Employer M/F/D

| ITEM | DESCRIPTION | UNIT | CARROLL COUNTY | GALLATIN COUNTY | PROJECT TOTALS |
|---------|---|--------|----------------|-----------------|----------------|
| 23147EN | HIGH TENSION CABLE-ROPE (1) (4) (6) (7) | LF | 4646.40 | 15576.0 | 20222.40 |
| 23148EN | END ANCHOR (2) (4) (6) (7) | EACH | 4 | 6 | 10 |
| 22415EN | CONCRETE CLASS A FOR PAD (5) | SQ. YD | 2065 | 6922 | 8987 |
| 06427 | TRENCHING (3) | LF | 4646.40 | 15576.0 | 20222.4 |
| 00001 | DGA (9) | TONS | 356.3 | 1194.4 | 1550.7 |
| 00100 | ASPHALT SEAL AGGREGATE (8) (9) | TONS | 41.3 | 138.4 | 179.7 |
| 00103 | ASPHALT SEAL COAT (8) (9) | TONS | 5 | 17 | 22 |
| 02569 | DEMOBILIZATION | LS | 1 | 1 | 1 |
| 02562 | SIGNS | SF | 250 | 250 | 0 |
| 02650 | MAINTAIN & CONTROL TRAFFIC | LS | 1 | 1 | 1 |
| 02671 | PORTABLE CHANGEABLE MESSAGE SIGN | EACH | 1 | 1 | 2 |
| 02726 | STAKING | LS | 1 | 1 | 1 |
| 02775 | ARROW PANEL | EACH | 1 | 1 | 2 |
| 23143ED | KPDES PERMIT AND TEMP EROSION CONTROL | LS | 1 | 1 | 1 |
| 24560EN | EROSION CONTROL BLANKET – SHORT TERM | SQ. YD | 2065.1 | 6922.9 | 8988.0 |
| 20411ED | LAW ENFORCEMENT OFFICER | HRS | 33 | 109 | 142 |

NOTES:

- (1) The HTC Median Barrier system includes all hardware, post, cables, labor, and incidentals within the End Anchors.
- (2) The HTC Median Barrier End Anchors includes all hardware, post, cables, labor, and incidentals.
- (3) The bid item “Trenching” is for the trenching and disposal of the material removed for the Concrete Class A Pad under the HTC Median Barrier system. Provided this material meets geotechnical requirements it may be used where median fill is needed. Waste area will be pre-approved by the Engineer.
- (4) Excavation for the posts and anchors is incidental to the HTC Median Barrier. This material may also be used where median fill is needed provided that requirements listed in note (3) above are followed.
- (5) Construct per the Section 505 of the *Standard Specifications for Road and Bridge Construction (current edition)* for concrete sidewalks.
- (6) The Contractor shall install only Brifen manufacturer’s high tension cable barrier system for the entire project. Terminal sections and high tension cable barrier shall be produced by the same manufacturer.
- (7) Geotechnical work from adjacent projects will be provided. All Geotechnical Information has been included in this proposal so that the manufacturers may design the anchors and the post line footings.
- (8) Two applications.
- (9) For placement between the edge of paved shoulder and the concrete mow strip.

| | | |
|---|------------------------------------|--|
| PROPOSAL BY KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS | PROPOSED HTC MEDIAN BARRIER | |
| | ROUTE: I-71 | CARROLL & GALLATIN COUNTIES |
| | ITEM NO: 06-9023.00 | |
| | MILEPOINT: 52.30 TO 56.27 | LENGTH: 3.97 MILES |

Special Note for Erosion Prevention and Sediment Control
Carroll/Gallatin Counties / Item No 06-9023.00

The Contractor shall be responsible for filing the Kentucky Pollution Discharge Elimination System (KPDES) KYR10 permit Notice of Intent (NOI) with the Kentucky Division of Water (DOW) and any KPDES local Municipal Separate Storm Sewer System (MS4) program that has jurisdiction. The NOI shall name the contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference.

The Contractor shall perform all temporary erosion/sediment control functions including: providing a Best Management Practice (BMP) Plan, conducting required inspections, modifying the BMP plan documents as construction progresses and documenting the installation and maintenance of BMPs in conformance with the KPDES KYR10 permit dated September 30, 2003 or a permit re-issued to replace the KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of *KYTC Standard Specifications for Road and Bridge Construction (current edition)*.

Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 213 of *KYTC Standard Specifications for Road and Bridge Construction (current edition)*. The Engineer's inspections shall be performed a minimum of once per month and within seven days after a storm of ½ inch or greater. Copies of the Engineer's inspections shall not be provided to the contractor unless improvements to the BMP's are required. The contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within 5 days. The Engineer shall use Form TC 63-61 A for this report. Inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit.

Contrary to Section 213.05, bid items for temporary BMPs will not be listed and will be replaced with one lump sum item for the services. Payment will be pro-rated based on the Project Schedule as submitted by the Contractor and as agreed to by the Engineer.

The contractor shall be responsible for applying "good engineering practices" as required by the KPDES permit. The contractor may use any temporary BMPs with the approval of the KYTC Engineer.

The contractor shall provide the Engineer copies of all documents required by the KPDES permit at the time they are prepared.

The contractor shall be responsible for the examination of the soils to be encountered and make his own independent determination of the temporary BMPs that will be required to accomplish effective erosion prevention and sediment control.

The Contractor shall be responsible for filing the KPDES permit Notice of Termination (NOT) with the Kentucky DOW and any local MS4 program that has jurisdiction. The NOT shall be filed after the Engineer agrees that the project is stabilized or the project has been formally accepted.

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| PROPOSED HTC MEDIAN BARRIER | | ITEM NO: 06-9023.00 |
| CARROLL & GALLATIN COUNTIES | ROUTE: 71 | MILEPOINT: 52.30 TO 56.27 |

TRAFFIC CONTROL PLAN

Page 1 of 4

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

TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the KYTC Department of Highways, Standard Specifications for Road and Bridge Construction (current edition), and the Standard Drawings (current edition). Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

The speed limit in work areas will be reduced by 15 M.P.H. from the posted speed and double fines for work zone speeding violations may be established. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Double fine zones will be in place only when workers are present.

Until the Department makes written acceptance of the work, the Contractor shall rebuild, repair, and restore any portion of the HTC median barrier system damaged by any cause, including regular traffic impact. The Contractor shall bear the expense of these repairs. Partial acceptance for completed sections of HTC median barrier system shall be allowed at the end of the Construction season.

PROJECT PHASING & CONSTRUCTION PROCEDURES

The following closures will be allowed for I-71:

When work is being conducted in the median, the Contractor must have an interior shoulder closure in both directions at a minimum. Only minor operations which will cause no disruption to traffic flow (e.g. system layout, site preparation, etc.) may be allowed, at the Engineer's discretion, during shoulder closures. All other work must be conducted during the closure of the interior lane and shoulder. No equipment or material deliveries will be allowed under the shoulder closure scheme. The shoulder closure may not remain in place during non-working hours. The Contractor shall close only the interior lane adjacent to the placement of the HTC median barrier.

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|---|------------------------------------|--|
| PROPOSAL BY KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS | PROPOSED HTC MEDIAN BARRIER | |
| | ROUTE: I-71 | CARROLL & GALLATIN COUNTIES |
| | ITEM NO: 06-9023.00 | |
| | MILEPOINT: 52.30 TO 56.27 | LENGTH: 3.97 MILES |

TRAFFIC CONTROL PLAN

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The interior lane and shoulder may be closed the following times:

6:00 PM Sunday through 6:00 AM Friday

The interior shoulder may be closed at any time throughout the project (except on "No Closure" dates listed below).

No lane or shoulder closures will be allowed on the following days:

- Memorial Day Weekend
- Independence Day Weekend
- Race Weekend at KY Motor Speedway (July 9-11)
- Labor Day Weekend

During lane closures, the clear lane width shall be 12 feet; however, make provisions for passage of vehicles up to 16 feet in width.

ALL TRAFFIC CONTROL DEVICES MUST BE MOVED FROM THE PAVED SURFACE BY THE TIMES SPECIFIED FOR LANE CLOSURES.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN THE MEDIAN AT ALL TIMES ON THE PROJECT.

LANE CLOSURES

Do not leave lane closures in place during prohibited periods. Do not leave lane closures in place during nonworking hours. Leaving lane closures up during these times will cost the Contractor \$1,000 per lane per hour or fraction of an hour. Multiple lane closures may occur along the length of the project, but should not occur within 3 miles of each other and shall be limited to no more than 2 miles each in length. No long term lane closures will be allowed; therefore, contrary to Section 112, lane closures will not be measured for payment. For information on Lane Closure set up, please refer to Standard Drawing TTC-115 "Lane Closure Multi-Lane Highway Case I".

LIQUIDATED DAMAGES

This project has a fixed completion date of October 1, 2020. Contrary to Section 108.09 of the Department of Highways, Standard Specifications for Road and Bridge Construction (current edition), a \$10,000.00 per day penalty will be charged for days exceeding this amount.

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| PROPOSED HTC MEDIAN BARRIER | | ITEM NO: 06-9023.00 |
| CARROLL & GALLATIN COUNTIES | ROUTE: 71 | MILEPOINT: 52.30 TO 56.27 |

TRAFFIC CONTROL PLAN

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SIGNS

The Engineer may require additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings. Additional signs needed may include, but are not limited to, dual mounted LEFT LANE CLOSED 1 MILE, LEFT LANE CLOSED 2 MILE, LEFT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD, KEEP RIGHT, etc.

Individual signs will be measured only once for payment, under the Bid Item "Signs" regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

PORTABLE CHANGEABLE MESSAGE SIGNS

Provide a minimum of two Portable Changeable Message Signs in advance of or on the project at locations designated by the Engineer. The Engineer will designate the messages to be provided. The locations and messages designated may vary as the work progresses. The Portable Changeable Message Signs shall be in operation at all times. In the event of damage or mechanical/electrical failure, immediately repair or replace the Portable Changeable Message Sign. Replacements for damaged Portable Changeable Message Signs directed by the Engineer to be replaced due to poor condition or legibility will not be measured for payment.

Refer to; "Special Note For Portable Changeable Message Signs (1I)" Paid under Bid Item "02671" Portable Changeable Message Signs.

BARRELS

Barrels are to be used for channelization or delineation and will be incidental to "MAINTAIN AND CONTROL TRAFFIC" according to Section 112.04.01. Replacements for damaged barrels directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment. Barrels will be used to delineate the closed/active lane lines and tapers.

ARROW PANEL

Arrow panels will be paid for once, no matter how many times they are moved or relocated. The Department **WILL NOT** take possession of the arrow panels upon completion of the work.

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| PROPOSED HTC MEDIAN BARRIER | | ITEM NO: 06-9023.00 |
| CARROLL & GALLATIN COUNTIES | ROUTE: 71 | MILEPOINT: 52.30 TO 56.27 |

TRAFFIC CONTROL PLAN

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PROJECT TRAFFIC COORDINATOR

The Contractor shall supply a Project Traffic Coordinator (PTC) to monitor traffic control devices 24 hours a day throughout the duration of the project. The Project Traffic Coordinator must be equipped with a cellular phone and have the authority to immediately maintain and make changes in the traffic control as traffic conditions merit. The Contractor will be penalized one thousand dollars (\$1000) liquidated damages per day for any incidence that the Project Traffic Coordinator is not on the project. This project shall be classified as "significant", and thus will require the PTC to also be qualified as a work zone traffic control supervisor.

LAW ENFORCEMENT OFFICER

In accordance with Section 112.04 of the Standard Specifications for Road and Bridge Construction (current edition) a Law Enforcement Officer shall be on duty in the work zone during working hours for the duration of the project.

TRUCK MOUNTED ATTENUATORS

Furnish and install MUTCD approved Truck Mounted Attenuators in advance of work areas not protected by temporary concrete barrier wall, when workers are present less than 12 feet from traffic. If there is less than 500 feet between work sites, only a single TMA will be required at a location directed by the Engineer. Locate the TMAs at individual work sites and move them as the work zone moves within the project limits. All details of the TMA installations will be approved by the Engineer. Truck Mounted Attenuators will not be measured for payment, but are incidental to Maintain and Control Traffic. The Department **WIL NOT** take possession of the TMAs upon completion of the work.

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| PROPOSED HTC MEDIAN BARRIER | | ITEM NO: 06-9023.00 |
| CARROLL & GALLATIN COUNTIES | ROUTE: 71 | MILEPOINT: 52.30 TO 56.27 |

MATERIAL SUMMARY

CONTRACT ID: 191070

121GR19D070-HSIP

DE02100711970

I-71 INSTALL HTC MEDIAN BARRIER ALONG I-71 IN CARROLL COUNTY FROM MP 52.30 TO MP 53.19
GUARDRAIL, A DISTANCE OF .89 MILES.

| Project Line No | Bid Code | DESCRIPTION | Quantity | Unit |
|-----------------|----------|---|----------|-------|
| 0005 | 23147EN | HIGH TENSION CABLE-ROPE BARRIER | 4,646.40 | LF |
| 0010 | 23148EN | END ANCHORS | 4.00 | EACH |
| 0015 | 22415EN | CONCRETE-CLASS A FOR PAD | 2,065.00 | SQYD |
| 0020 | 06427 | TRENCHING | 4,646.40 | LF |
| 0025 | 00001 | DGA BASE | 356.30 | TON |
| 0030 | 00100 | ASPHALT SEAL AGGREGATE | 41.30 | TON |
| 0035 | 00103 | ASPHALT SEAL COAT | 5.00 | TON |
| 0040 | 02569 | DEMOBILIZATION | 1.00 | LS |
| 0045 | 02562 | TEMPORARY SIGNS | 250.00 | SQFT |
| 0050 | 02650 | MAINTAIN & CONTROL TRAFFIC - (CARROLL COUNTY) (REVISED: 11-8-19) | 1.00 | LS |
| 0055 | 02671 | PORTABLE CHANGEABLE MESSAGE SIGN | 1.00 | EACH |
| 0060 | 02726 | STAKING - (CARROLL COUNTY) (REVISED: 11-8-19) | 1.00 | LS |
| 0065 | 02775 | ARROW PANEL | 1.00 | EACH |
| 0070 | 24560EN | EROSION CONTROL BLANKET-SHORT TERM - (REVISED: 11-8-19) | 2,065.10 | SQYD |
| 0075 | 20411ED | LAW ENFORCEMENT OFFICER - (ADDED: 11-8-19) | 33.00 | HOURL |
| 0080 | 23143ED | KPDES PERMIT AND TEMP EROSION CONTROL - (CARROLL COUNTY) (ADDED: 11-8-19) | 1.00 | LS |

MATERIAL SUMMARY

CONTRACT ID: 191070

121GR19D070-HSIP

DE03900711970

I-71 INSTALL HTC MEDIAN BARRIER ALONG I-71 IN GALLATIN COUNTY FROM MP 53.19 TO MP 56.27
GUARDRAIL, A DISTANCE OF 3.08 MILES.

| Project Line No | Bid Code | DESCRIPTION | Quantity | Unit |
|-----------------|----------|--|-----------|-------|
| 0085 | 23147EN | HIGH TENSION CABLE-ROPE BARRIER | 15,576.00 | LF |
| 0090 | 23148EN | END ANCHORS | 6.00 | EACH |
| 0095 | 22415EN | CONCRETE-CLASS A FOR PAD | 6,922.00 | SQYD |
| 0100 | 06427 | TRENCHING | 15,576.00 | LF |
| 0105 | 00001 | DGA BASE | 1,194.40 | TON |
| 0110 | 00100 | ASPHALT SEAL AGGREGATE | 138.40 | TON |
| 0115 | 00103 | ASPHALT SEAL COAT | 17.00 | TON |
| 0120 | 02569 | DEMOBILIZATION | 1.00 | LS |
| 0125 | 02562 | TEMPORARY SIGNS | 250.00 | SQFT |
| 0130 | 02650 | MAINTAIN & CONTROL TRAFFIC - (GALLATIN COUNTY) (REVISED: 11-8-19) | 1.00 | LS |
| 0135 | 02671 | PORTABLE CHANGEABLE MESSAGE SIGN | 1.00 | EACH |
| 0140 | 02726 | STAKING - (GALLATIN COUNTY) (REVISED: 11-8-19) | 1.00 | LS |
| 0145 | 02775 | ARROW PANEL | 1.00 | EACH |
| 0150 | 24560EN | EROSION CONTROL BLANKET-SHORT TERM - (REVISED: 11-8-19) | 6,922.90 | SQYD |
| 0155 | 20411ED | LAW ENFORCEMENT OFFICER - (ADDED: 11-8-19) | 109.00 | HOURL |
| 0160 | 23143ED | KPDES PERMIT AND TEMP EROSION CONTROL - (GALLATIN COUNTY) (ADDED: 11-8-19) | 1.00 | LS |

PROPOSAL BID ITEMS

Report Date 11/8/19

Section: 0001 - GUARDRAIL

| LINE | BID CODE | ALT | DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
|------|----------|-----|---|-----------|------|-----------|----|--------|
| 0010 | 00001 | | DGA BASE | 1,550.70 | TON | | \$ | |
| 0020 | 00100 | | ASPHALT SEAL AGGREGATE | 179.70 | TON | | \$ | |
| 0030 | 00103 | | ASPHALT SEAL COAT | 22.00 | TON | | \$ | |
| 0040 | 02562 | | TEMPORARY SIGNS | 500.00 | SQFT | | \$ | |
| 0050 | 02650 | | MAINTAIN & CONTROL TRAFFIC (CARROLL COUNTY) (REVISED: 11-8-19) | 1.00 | LS | | \$ | |
| 0060 | 02650 | | MAINTAIN & CONTROL TRAFFIC (GALLATIN COUNTY) (REVISED: 11-8-19) | 1.00 | LS | | \$ | |
| 0070 | 02671 | | PORTABLE CHANGEABLE MESSAGE SIGN | 2.00 | EACH | | \$ | |
| 0080 | 02726 | | STAKING (CARROLL COUNTY) (REVISED: 11-8-19) | 1.00 | LS | | \$ | |
| 0090 | 02726 | | STAKING (GALLATIN COUNTY) (REVISED: 11-8-19) | 1.00 | LS | | \$ | |
| 0100 | 02775 | | ARROW PANEL | 2.00 | EACH | | \$ | |
| 0110 | 06427 | | TRENCHING | 20,222.40 | LF | | \$ | |
| 0120 | 20411ED | | LAW ENFORCEMENT OFFICER (ADDED: 11-8-19) | 142.00 | HOUR | | \$ | |
| 0130 | 22415EN | | CONCRETE-CLASS A FOR PAD | 8,987.00 | SQYD | | \$ | |
| 0140 | 23143ED | | KPDES PERMIT AND TEMP EROSION CONTROL (CARROLL COUNTY) (ADDED: 11-8-19) | 1.00 | LS | | \$ | |
| 0150 | 23143ED | | KPDES PERMIT AND TEMP EROSION CONTROL (GALLATIN COUNTY) (ADDED: 11-8-19) | 1.00 | LS | | \$ | |
| 0160 | 23147EN | | HIGH TENSION CABLE-ROPE BARRIER | 20,222.40 | LF | | \$ | |
| 0170 | 23148EN | | END ANCHORS | 10.00 | EACH | | \$ | |
| 0180 | 24560EN | | EROSION CONTROL BLANKET-SHORT TERM (REVISED: 11-8-19) | 8,988.00 | SQYD | | \$ | |

Section: 0002 - DEMOBILIZATION &/OR MOBILIZATION

| LINE | BID CODE | ALT | DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
|------|----------|-----|----------------|----------|------|-----------|----|--------|
| 0190 | 02569 | | DEMOBILIZATION | 1.00 | LS | | \$ | |