



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

Matthew G. Bevin
Governor

Greg Thomas
Secretary

February 23, 2017

CALL NO. 202
CONTRACT ID NO. 172031
ADDENDUM # 1

Subject: Pendleton County, 096GR16P120-HSIP & FD05
Letting February 24, 2017

- (1) Revised - Front Sheet
- (2) Revised - Table of Contents - Page 2 of 198
- (3) Revised - Completion Date - Page 4 of 198
- (4) Revised - General Summary - Page 18 of 198
- (5) Added - Special Note - Page 32a of 198
- (6) Added - Traffic Control - Pages 41a-41c of 198
- (7) Revised - Material Summary - Pages 51-52 of 198
- (8) Revised - Tree Cutting & Trimming - Pages 53-54 of 198
- (9) Revised - Bid Items - Pages 197-198 of 198

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 cursive script that reads "Rachel Mills".

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

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D



CALL NO. 202

CONTRACT ID. 172031

PENDLETON COUNTY

FED/STATE PROJECT NUMBER 096GR16P120 - HSIP & FD05

DESCRIPTION FALMOUTH TO COVINGTON ROAD (KY 17)

WORK TYPE ASPHALT PAVEMENT & ROADWAY REHAB

PRIMARY COMPLETION DATE 12/15/2017

LETTING DATE: February 24,2017

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME February 24,2017. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

DBE CERTIFICATION REQUIRED - 5%

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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PART I	SCOPE OF WORK
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PART II	SPECIFICATIONS AND STANDARD DRAWINGS
	<ul style="list-style-type: none">• SPECIFICATIONS REFERENCE• SUPPLEMENTAL SPECIFICATION• 2016 STANDARD DRAWINGS THAT APPLY
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
	<ul style="list-style-type: none">• FEDERAL-AID CONSTRUCTION CONTRACTS - FHWA 1273• NONDISCRIMINATION OF EMPLOYEES• EXECUTIVE BRANCH CODE OF ETHICS• PROJECT WAGE RATES LOCALITY 4 / FEDERAL• NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EEO PENDLETON
PART IV	INSURANCE
PART V	BID ITEMS

ADMINISTRATIVE DISTRICT - 06

CONTRACT ID - 172031

096GR16P120 - HSIP & FD05

COUNTY - PENDLETON

PCN - MP09600171601

HSIP 5217 015

FALMOUTH TO COVINGTON ROAD (KY 17) (MP 7.4) BEGIN 67 FEET SOUTH OF BRIDGES DRIVE EXTENDING NORTH TO 1.41 MILES SOUTH OF KY 491 (MP 8.6), A DISTANCE OF 01.20 MILES.ASPHALT PAVEMENT & ROADWAY REHAB SYP NO. 06-09011.00.

GEOGRAPHIC COORDINATES LATITUDE 38:47:31.00 LONGITUDE 84:27:24.00

PCN - MP09600171602

FD05 096 0017 006-011

FALMOUTH TO COVINGTON ROAD (KY 17) (MP 6.934) BEGIN AT KY 476 EXTENDING NORTH TO THE KENTON COUNTY LINE (MP 10.339), A DISTANCE OF 03.40 MILES.ASPHALT PAVEMENT & ROADWAY REHAB

GEOGRAPHIC COORDINATES LATITUDE 38:47:31.00 LONGITUDE 84:27:24.00

COMPLETION DATE(S):

COMPLETED BY 12/15/2017

APPLIES TO ENTIRE CONTRACT

COMPLETED BY 08/01/2017

APPLIES TO HSIP 5217 015

GENERAL SUMMARY			
ITEM	DESCRIPTION	UNIT	PROJECT TOTALS
00001	DGA BASE	TON	6
00190	LEVEL & WEDGING	TON	245
00221	CL2 AASP Base 0.75D PG64-22	TON	6
00336	CL3 ASPH SURF 0.38A PG76-22	TON	559
01550	DROP BOX INLET TYPE 12A	LF	95
01726	SAFETY BOX INLET - 18 IN SDB-1	EACH	1
02014	BARRICADE TYPE III	EACH	3
02230	EMBANKMENT IN PLACE	CUYD	249
02237	DITCHING	LF	105
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	400
02367	GUARDRAIL END TREATMENT TYPE 7	EACH	4
02381	REMOVE GUARDRAIL	LF	100
02460	REMOVE TREES OR STUMPS	EACH	34
02562	TEMPORARY SIGNS	SQFT	120
02625	REMOVE HEADWALL	EACH	3
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	3
02677	ASPHALT PAVE MILLING & TEXTURING	TON	404
02731	REMOVE STRUCTURE	LS	1
03269	TRIM AND REMOVE TREES & BRUSH	LF	2775
06514	PAVE STRIPING - PERM PAINT - 4 IN	LF	7500
23074NN	ADJUST DRAINAGE STRUCTURE (4)	EACH	3
24649EN	ALUMINUM STRUCTURAL PLATE BOX CULVERT	LF	31

NOTES:

- (1) Remove and replace Guardrail from STA. 33+44 to STA. 35+12. Refer to Guardrail Detail Sheet (Attached).
- (2) Refer to DBI Detail Sheet (Attached).
- (3) Remove and replace box culvert at STA. 34+28. Refer to Culvert Detail Sheet (Attached).
- (4) Extend 3 existing pipe culverts to accommodate for any added embankment.

Special Note for Fixed Completion Date, Road Closures and Liquidated Damages

Pendleton County

Spot improvements on KY 17 from KY 467 (MP 7.4) to KY 491 (MP 8.6)

HSIP 5217 015

Item No. 06-9011.00

Liquidated Damages will be assessed for each day that work remains uncompleted beyond the Specified Project Completion Date, at the rate specified in 108.09 of the standard specifications. This project has a Phase II Completion Date of April 1, 2017, for removal and trimming of trees with a Fixed Project Completion August 1, 2017.

7 day closures for both the main line and side road will be for those roads individually and cannot be combined to increase those road closures.

Also contrary to Section 108, liquidated damages will be charged during the months of August through March.

TRAFFIC CONTROL GENERAL

HSIP 5217 015 Item No 6-9011.00

Except as provided herein, "Maintain and Control Traffic" shall be in accordance with the 2012 Standard Specifications and the Standard Drawings, current editions. 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". All lane closures used on the Project will be in compliance with the appropriate Standard Drawings.

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. Traffic control devices will conform to current MUTCD.

Reduce the speed limit in work areas by 10 miles per hour. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Any relocation or covering of signs will be incidental to "Maintain and Control Traffic", lump sum.

Maintain access to all entrances. The Contractor will be responsible to notify adjacent property owners when work affecting the entrances will be performed.

PROJECT PHASING & CONSTRUCTION PROCEDURES

Type III Barricades shall be placed immediately in front of the road closures. Type III Barricades will be measured for payment only once. Moving and placing the barricades in subsequent locations will be considered incidental to "Maintain and Control Traffic", Lump Sum.

During the days and hours when a lane closures are in place, maintain traffic as specified in the phasing notes and typical sections.

PROJECT PHASING

PHASE I

Sign project in accordance with standard drawings. Place reduced speed signs every 2 miles through the project. Cover up any conflicting signs.

PHASE II

Remove and trim trees as specified in this proposal. Completion date shall be no later than April 1, 2017. Liquidated damages will be assessed according to section 108.09 in the KYTC Department of Highways Specifications book if the trees are not removed by the specified date.

PHASE III

Remove and replace box culvert and guard rail at STA. 34+37. Close the road for 7 days using Type III Barricades. Backfill through the final asphalt base

course and open to traffic a minimum of 14 days before installing final surface. Provide the Engineer with two week notice prior to scheduling road closure to allow for proper public notification. Liquidated damages will be assessed according to section 108.09 in the KYTC Department of Highways Specifications book if the road is closed for more than 7 days.

PHASE IV

Install DBI Type 12A at STA. 65+44 across Bridges Drive (CR-1343) and improve adjacent ditch to drain to existing 72 inch CMP at STA. 64+11. Field locate 12" CL 350 Ductile Iron pipe located underground on the right side of the road prior to DBI installation and ditch improvement. If the water line or other utilities are damaged during construction, the contractor shall be responsible for all costs associated with repair or replacement of utility facilities. The road will be closed for 7 days using type III barricades. Provide the Engineer with two week notice prior to scheduling road closure to allow for proper public notification. Liquidated damages will be assessed according to section 108.09 in the KYTC Department of Highways Specifications book if the road is closed for more than 7 days.

PHASE V

Complete the extensions of existing cross drains at STA. 16+46, STA 18+10 and STA. 40+41. Perform all required ditching and minor embankment work.

Phase VI

In the described locations, improve the cross slopes with leveling and wedging, milling and asphalt surface and finish with pavement striping.

SIGNS

Additional signs needed will be furnished, relocated, and maintained by the Contractor. Contrary to section 112, individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed and relocated during the duration of the project. Replacements for damaged signs or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

PORTABLE CHANGEABLE MESSAGE SIGNS

Provide portable changeable message signs (PCMS) in advance of and within the project at locations to be determined by the Engineer. The locations designated may vary as the work progresses. The messages required to be provided will be designated by the Engineer. The PCMS will be in operation at all times. In the event of damage or mechanical/electrical failure, the contractor will repair or replace the PCMS immediately. PCMS will be paid for once, no matter how many times they are moved or relocated. The Department **WILL NOT** take possession of the signs upon completion of the work.

PAVEMENT MARKINGS

Place temporary and permanent striping in accordance with Section 112.

PAVEMENT EDGE DROP-OFFS

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be protected with plastic drums, vertical panels, or barricades as shown on the Standard Drawings.

Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than 2" – Protect with a lane closure.

2" to 4" – Protect with a lane closure. Place plastic drums, vertical panels, or barricades every 50 feet. Cones may not be used in place of plastic drums, panels, and barricades at any time. Construct a wedge with compacted cuttings from milling, trenching, or asphalt mixtures with a 3:1 or flatter slope, when work is not active in the drop-off area. Place Type III Barricades at the beginning of the lane closures, and place additional Type III Barricades spaced at 2,500 feet during the time the lane closure is in place.

Greater than 4" – Pavement removal areas – In areas where pavement is to be removed, work should proceed continuously so that traffic is exposed to a drop-off for the minimum amount of time necessary to bring the pavement back up to existing grade. Barrel spacing should be 20 feet and appropriate lighting should be utilized to illuminate the area during nighttime operations.

TRAFFIC COORDINATOR

Designate an employee to be traffic coordinator. The designated Traffic Coordinator must be certified by the American Traffic Safety Services Association (ATSSA). The Traffic Coordinator will inspect the project maintenance of traffic once every two hours during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator will report all incidents throughout the work zone to the Engineer on the project. The Contractor will furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

The Traffic Coordinator will be responsible for giving their contact information to local law enforcement and emergency personnel.

EROSION CONTROL

In those areas where the soil is significantly disturbed, erosion control measures should be taken to prevent sediment from polluting the water shed.

MATERIAL SUMMARY

CONTRACT ID: 172031

096GR16P120 - HSIP & FD05

MP09600171601

FALMOUTH TO COVINGTON ROAD (KY 17) BEGIN 67 FEET SOUTH OF BRIDGES DRIVE EXTENDING NORTH TO 1.41 MILES SOUTH OF KY 491 ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 1.2 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	6.00	TON
0010	02230	EMBANKMENT IN PLACE	249.00	CUYD
0015	00190	LEVELING & WEDGING PG64-22	245.00	TON
0020	02677	ASPHALT PAVE MILLING & TEXTURING	404.00	TON
0025	00221	CL2 ASPH BASE 0.75D PG64-22	6.00	TON
0030	02014	BARRICADE-TYPE III	3.00	EACH
0035	02351	GUARDRAIL-STEEL W BEAM-S FACE	400.00	LF
0040	02371	GUARDRAIL END TREATMENT TYPE 7	4.00	EACH
0045	02381	REMOVE GUARDRAIL	100.00	LF
0050	02460	REMOVE TREES OR STUMPS	34.00	EACH
0055	02562	TEMPORARY SIGNS	120.00	SQFT
0060	02671	PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH
0065	03269	TRIM & REMOVE TREES & BRUSH	2,775.00	LF
0075	01550	DROP BOX INLET TYPE 12A	95.00	LF
0080	01726	SAFETY BOX INLET-18 IN SDB-1	1.00	EACH
0085	02237	DITCHING	105.00	LF
0090	02625	REMOVE HEADWALL	3.00	EACH
0095	23074NN	ADJUST DRAINAGE STRUCTURE	3.00	EACH
0100	02731	REMOVE STRUCTURE - (HSIP)	1.00	LS
0105	24649EN	ALUMINUM STRUCTURAL PLATE BOX CULVERT - (HSIP)	1.00	LS
0110	02569	DEMOBILIZATION	1.00	LS
0115	02676	MOBILIZATION FOR MILL & TEXT - (HSIP)	1.00	LS
0120	02650	MAINTAIN & CONTROL TRAFFIC - (HSIP)	1.00	LS
0125	01984	DELINEATOR FOR BARRIER - WHITE	8.00	EACH
0130	20257NC	SITE PREPARATION	1.00	LS
0135	02726	STAKING	1.00	LS
0140	21415ND	EROSION CONTROL	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 172031

096GR16P120 - HSIP & FD05

MP09600171602

FALMOUTH TO COVINGTON ROAD (KY 17) BEGIN AT KY 476 EXTENDING NORTH TO THE KENTON COUNTY LINE ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 3.4 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0145	02562	TEMPORARY SIGNS	270.00	SQFT
0150	02650	MAINTAIN & CONTROL TRAFFIC - (FD05)	1.00	LS
0155	00301	CL2 ASPH SURF 0.38D PG64-22	3,025.00	TON
0160	00190	LEVELING & WEDGING PG64-22	311.00	TON
0165	06514	PAVE STRIPING-PERM PAINT-4 IN	71,912.00	LF
0170	06510	PAVE STRIPING-TEMP PAINT-4 IN	20,000.00	LF
0175	02677	ASPHALT PAVE MILLING & TEXTURING	67.00	TON
0180	02676	MOBILIZATION FOR MILL & TEXT - (FD05)	1.00	LS
0185	00001	DGA BASE	350.00	TON
0190	10030NS	ASPHALT ADJUSTMENT	8,037.00	DOLL
0195	10020NS	FUEL ADJUSTMENT	4,672.00	DOLL
0200	02569	DEMOBILIZATION	1.00	LS

TREE CUTTING AND TRIMMING

Trees have been identified for removal along the project corridor and are identified in the table below. Removal will be paid by the bid item "Remove Trees or Stumps" as EACH.

Station	Offset	Elev	Description
8+24	LT 16'	0	30" WALNUT
8+75	LT 15'	0	36" WALNUT
12+48	LT 16'	0	30" WALNUT
13+14	LT 18'	0	24" WALNUT
15+42	LT 16'	0	24" ELM
16+27	LT 17'	0	18" DEAD ASH
19+33	LT 17'	0	18" DEAD ASH
23+51	LT 16'	0	18" DEAD ASH
39+36	LT 17'	0	20" WALNUT
39+37	LT 15'	0	16" LOCUST
47+69	LT 14'	0	24" BOX ELDER
50+62	LT 16'	0	24" SYCAMORE
50+85	LT 18'	0	12" DEAD ASH
50+97	LT 15'	0	16" TWIN DEAD ELM
51+28	LT 16'	0	8" MAPLE
51+45	LT 18'	0	14" SYCAMORE
51+76	LT 17'	0	12" MAPLE
51+79	LT 17'	0	10" DEAD ASH
52+06	LT 18'	0	16" SYCAMORE
52+49	LT 18'	0	18" SYCAMORE
53+22	LT 19'	0	14" SYCAMORE
57+62	LT 17'	0	36" SYCAMORE
58+75	LT 15'	0	42" SYCAMORE
59+50	LT 18'	0	18" WALNUT
60+58	LT 18'	0	18" SYCAMORE
60+94	LT 14'	0	42" SYCAMORE
62+12	LT 21'	0	36" SYCAMORE
63+04	LT 17'	0	14" WALNUT
63+28	LT 15'	0	16" OAK
63+41	LT 14'	0	36" OAK
64+32	RT 18'	0	18" WALNUT
69+60	LT 14'	0	36" OAK

TREE CUTTING AND TRIMMING cont.

Trees trimming locations have been identified in the table below. Trimming will be paid by the bid item "Trim & Remove Trees & Brush" as LF. Trees shall be trimmed to alleviate the canopy effect over KY 17, as directed by the Engineer.

<u>Begin STA</u>	<u>End STA</u>	<u>LF</u>
12+40	17+00	460
17+75	20+80	305
22+50	24+25	175
41+25	48+00	675
50+75	54+85	410
57+50	65+00	750

PROPOSAL BID ITEMS

Report Date 2/23/17

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	350.00	TON		\$	
0020	00190		LEVELING & WEDGING PG64-22	311.00	TON		\$	
0030	00301		CL2 ASPH SURF 0.38D PG64-22	3,025.00	TON		\$	
0040	02562		TEMPORARY SIGNS	270.00	SQFT		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC (FD05)	1.00	LS		\$	
0060	02676		MOBILIZATION FOR MILL & TEXT (FD05)	1.00	LS		\$	
0070	02677		ASPHALT PAVE MILLING & TEXTURING	67.00	TON		\$	
0080	06510		PAVE STRIPING-TEMP PAINT-4 IN	20,000.00	LF		\$	
0090	06514		PAVE STRIPING-PERM PAINT-4 IN	71,912.00	LF		\$	
0100	10020NS		FUEL ADJUSTMENT	4,672.00	DOLL	\$1.00	\$	\$4,672.00
0110	10030NS		ASPHALT ADJUSTMENT	8,037.00	DOLL	\$1.00	\$	\$8,037.00

Section: 0002 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	00001		DGA BASE	6.00	TON		\$	
0130	00190		LEVELING & WEDGING PG64-22	245.00	TON		\$	
0140	00221		CL2 ASPH BASE 0.75D PG64-22	6.00	TON		\$	
0150	02230		EMBANKMENT IN PLACE	249.00	CUYD		\$	
0160	02650		MAINTAIN & CONTROL TRAFFIC (HSIP)	1.00	LS		\$	
0170	02676		MOBILIZATION FOR MILL & TEXT (HSIP)	1.00	LS		\$	
0180	02677		ASPHALT PAVE MILLING & TEXTURING	404.00	TON		\$	

Section: 0003 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0190	01984		DELINEATOR FOR BARRIER - WHITE	8.00	EACH		\$	
0200	02014		BARRICADE-TYPE III	3.00	EACH		\$	
0210	02351		GUARDRAIL-STEEL W BEAM-S FACE	400.00	LF		\$	
0220	02371		GUARDRAIL END TREATMENT TYPE 7	4.00	EACH		\$	
0230	02381		REMOVE GUARDRAIL	100.00	LF		\$	
0240	02460		REMOVE TREES OR STUMPS	34.00	EACH		\$	
0250	02562		TEMPORARY SIGNS	120.00	SQFT		\$	
0260	02671		PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH		\$	
0270	02726		STAKING	1.00	LS		\$	
0280	03269		TRIM & REMOVE TREES & BRUSH	2,775.00	LF		\$	

Section: 0004 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0300	01550		DROP BOX INLET TYPE 12A	95.00	LF		\$	

PROPOSAL BID ITEMS

172031

Report Date 2/23/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0310	01726		SAFETY BOX INLET-18 IN SDB-1	1.00	EACH		\$	
0320	02237		DITCHING	105.00	LF		\$	
0330	02625		REMOVE HEADWALL	3.00	EACH		\$	
0340	20257NC		SITE PREPARATION	1.00	LS		\$	
0350	21415ND		EROSION CONTROL	1.00	LS		\$	
0360	23074NN		ADJUST DRAINAGE STRUCTURE	3.00	EACH		\$	

Section: 0005 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	02731		REMOVE STRUCTURE (HSIP)	1.00	LS		\$	
0380	24649EN		ALUMINUM STRUCTURAL PLATE BOX CULVERT (HSIP)	1.00	LS		\$	

Section: 0006 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	02569		DEMOBILIZATION	1.00	LS		\$	