



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

July 20, 2018

CALL NO. 408
CONTRACT ID NO. 183160
ADDENDUM # 1

Subject: Allen County, 002GR18R060-CB06
Letting July 27, 20178

- (1)Added - Special Note for HDPE Pipe Liner - Pages 11(a)-11(b) of 54
- (2)Revised - Material Summary - Pages 27-28 of 54
- (3)Revised - Summary Sheet - Page 33 of 54
- (4)Revised - Proposal Bid Items - Pages 53-54 of 54

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:ws
Enclosures



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SPECIAL NOTE FOR HDPE PIPE LINER

I. DESCRIPTION

Perform all HDPE pipe liner work in accordance with the Department's 2012 Standard Specifications, these notes, and interim Supplemental Specifications, Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions, and as directed by the Engineer. Section references are to the Standard Specifications. This work shall consist of:

(1) Installing HDPE pipe liners various sizes throughout project as determined by plans, proposal, or engineer; (2) Cleaning existing designated pipes or culverts prior to liner installation; (3) Adjusting disjointed sections of existing pipe to allow proper installation of Liners; (4) Preparing pipe beds for HDPE liner lengths that extend beyond existing pipe length that are to be left as said extensions; (5) Lining existing pipe and providing additional length of HDPE if designated for extensions of existing pipe; (6) Construct concrete Bulkhead at ends of existing pipe with appropriate vent tubes, grout tubes, and blocking if needed; (7) Pump grout into annular space between existing pipe and pipe liner; (8) Remove all construction debris, forms, etc from location and if applicable prepare extensions for embankment in place backfill material if part of plan/proposal.

II. MATERIALS

Furnish materials in accordance with these notes, the Standard Specifications and interim Supplemental Specifications, and applicable Special Provisions and Special Notes, AASHTO Designation: M 326-08 and ASTM Designation: F894 as specified, and Standard and Sepia Drawings, current editions. Provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual. Unless directed otherwise by the Engineer, make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing. Grout ingredients and proportions may be adjusted by the Engineer to meet field conditions. Unless otherwise directed by the engineer concrete for bulkhead shall be Class A.

III. LINERS AND GROUT

All labor, material, and equipment needed for the joining/connecting of the liner pipe sections using extrusion welded joints will be supplied by the vendor. The sections will be welded/glued on the inside and outside of the pipe. This will be incidental to the cost of the pipe.

Resetting disjointed pipe shall include anything needed to achieve proper alignment of existing pipe to facilitate the lining of the pipe. This may include the total removing and resetting of some sections of pipe as deemed necessary by engineer. All labor, material, and equipment needed to

perform this work shall be incidental to the HDPE PIPE LINER item.

Pipe bed material and construction shall include Geotextile fabric TY IV and #8/9 aggregate to achieve proper grade and support for the designated pipe extensions. Extension limits shall be considered as the final HDPE PIPE LINER length minus the Existing pipe length as recorded within the proposal/plans. All labor, material, and equipment needed to perform this work shall be incidental to the HDPE PIPE LINER item.

Grout work shall include installing grout material into annular space between existing pipe and pipe liner. Contractor/Vendor will be responsible for providing any needed traffic control, constructing bulkheads, vent tubes, grout tubes and blocking if needed. Contractor/Vendor shall provide a concrete pump and air foam generator to deliver desired pressure and material as determined by the engineer. Contractor/Vendor shall ensure all voids are filled by pumping grout from upstream or downstream of culvert and continue pumping until grout is expelled from the highest vent pipe on the inlet end. The Contractor/Vendor shall take appropriate precautions to avoid over pressurization, buckling, and floating of the pipe liner during the grouting process. Pressure on the annular void shall not exceed 2 psi to avoid damage to the pipe liner. The Contractor/Vendor shall be solely responsible for any damage or distortion of the pipe liner due to the grouting process. The Contractor/Vendor shall comply with the pipe manufacturer's recommendations for grouting procedures. Multiple grout lifts may be required to avoid buckling the liner pipe. The Contractor/Vendor shall take all necessary precautions to protect and preserve the interior of the pipe from damage. Spills shall be minimized and cleaned up immediately. Any damage to the pipe caused by or occurring during the grouting operation shall be repaired by a method approved by the Engineer at no additional cost to the Cabinet.

IV. MEASUREMENT/PAYMENT

HDPE Liner "XX". Will be measured and paid by Liner feet of HDPE LINER PIPE "XX". The Department will not measure aggregate, pipe cleaning, fabric, concrete, vent pipes, bullheads, resetting of pipe, etc. for payment. The department will consider these and any other necessary items incidental to HDPE LINER PIPE.

Grout. Will be measured as Linear Feet of existing pipe left in place after liner installation and paid as GROUT.

Embankment in Place . If not listed as a bid item, but required by the plan/proposal will be measured and paid as CUYD of material placed.

MATERIAL SUMMARY

CONTRACT ID: 183160**002GR18R060-CB06****0300205851801**

OLD FRANKLIN RD (KY 585) FROM SIMPSON COUNTY LINE EXTENDING EAST TO KY 1332 ASPHALT RESURFACING, A DISTANCE OF 3 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	440.00	TON
0010	00190	LEVELING & WEDGING PG64-22	380.00	TON
0015	00272	CL2 ASPH BIND 0.50D PG64-22	3,255.00	TON
0020	00356	ASPHALT MATERIAL FOR TACK	18.00	TON
0025	00462	CULVERT PIPE-18 IN	260.00	LF
0030	02237	DITCHING	155.00	LF
0035	02483	CHANNEL LINING CLASS II	90.00	TON
0040	02562	TEMPORARY SIGNS	250.00	SQFT
0045	02650	MAINTAIN & CONTROL TRAFFIC - (KY 585)	1.00	LS
0050	02676	MOBILIZATION FOR MILL & TEXT - (KY 585)	1.00	LS
0055	02677	ASPHALT PAVE MILLING & TEXTURING	25.00	TON
0060	02697	EDGE LINE RUMBLE STRIPS	31,702.00	LF
0065	03240	BASE FAILURE REPAIR	955.00	SQYD
0070	06510	PAVE STRIPING-TEMP PAINT-4 IN	31,702.00	LF
0075	06514	PAVE STRIPING-PERM PAINT-4 IN	31,702.00	LF
0080	10020NS	FUEL ADJUSTMENT	5,843.00	DOLL
0085	10030NS	ASPHALT ADJUSTMENT	14,280.00	DOLL
0090	02569	DEMOBILIZATION	1.00	LS
0095	06568	PAVE MARKING-THERMO STOP BAR-24IN	64.00	LF
0100	22950NN	PAVE MARKING-THERMO STOP	1.00	EACH
0105	24583EC	HDPE PIPE LINER - 18"	157.00	LF
0110	24583EC	HDPE PIPE LINER - 42"	69.00	LF
0115	24583EC	HDPE PIPE LINER - 36"	47.00	LF
0120	24583EC	HDPE PIPE LINER - 24"	86.00	LF
0125	24583EC	HDPE PIPE LINER - 48"	59.00	LF
0130	24583EC	HDPE PIPE LINER - 32"	170.00	LF
0135	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0140	02371	GUARDRAIL END TREATMENT TYPE 7	1.00	EACH
0145	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0150	02351	GUARDRAIL-STEEL W BEAM-S FACE	571.00	LF
0155	08806	GUARDRAIL-BRIDGE CASE I-A	44.00	LF
0160	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	12.00	EACH
0165	02230	EMBANKMENT IN PLACE	1,481.00	CUYD
0170	01496	DROP BOX INLET TYPE 3	9.00	EACH
0175	05985	SEEDING AND PROTECTION	600.00	SQYD
0180	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0185	21945EN	GROUT - 18" (ADDED: 7-20-18)	126.00	LF
0190	21945EN	GROUT - 24" (ADDED: 7-20-18)	86.00	LF
0195	21945EN	GROUT - 32" (ADDED: 7-20-18)	153.00	LF
0200	21945EN	GROUT - 36" (ADDED: 7-20-18)	47.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0205	21945EN	GROUT - 42" (ADDED: 7-20-18)	57.00	LF
0210	21945EN	GROUT - 48" (ADDED: 7-20-18)	43.00	LF

CONTRACT ID: 183160

002GR18R060-CB06

0300213321801

POPE RD (KY 1332) FROM TRAMMEL CREEK BRIDGE EXTENDING EAST TO KY 3241 ASPHALT RESURFACING, A DISTANCE OF 1.99 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0215	00001	DGA BASE	195.00	TON
0220	00190	LEVELING & WEDGING PG64-22	276.00	TON
0225	00301	CL2 ASPH SURF 0.38D PG64-22	1,440.00	TON
0230	00356	ASPHALT MATERIAL FOR TACK	13.00	TON
0235	02562	TEMPORARY SIGNS	270.00	SQFT
0240	02650	MAINTAIN & CONTROL TRAFFIC - (KY 1332)	1.00	LS
0245	02676	MOBILIZATION FOR MILL & TEXT - (KY 1332)	1.00	LS
0250	02677	ASPHALT PAVE MILLING & TEXTURING	15.00	TON
0255	02697	EDGE LINE RUMBLE STRIPS	20,972.00	LF
0260	03240	BASE FAILURE REPAIR	885.00	SQYD
0265	06510	PAVE STRIPING-TEMP PAINT-4 IN	20,972.00	LF
0270	06514	PAVE STRIPING-PERM PAINT-4 IN	39,847.00	LF
0275	06568	PAVE MARKING-THERMO STOP BAR-24IN	52.00	LF
0280	10020NS	FUEL ADJUSTMENT	2,760.00	DOLL
0285	10030NS	ASPHALT ADJUSTMENT	6,756.00	DOLL
0290	22950NN	PAVE MARKING-THERMO STOP	1.00	EACH
0295	02569	DEMOBILIZATION	1.00	LS

Pipe #	MP	Size	Existing Length	Extend Right ft	Extend Left ft	Proposed Length	Replace/Liner	Embankment	Rock Tons	Ditching LF	Drop Box	Comment
1	0.2902	42	57	9	3	69	Liner	93	30	40	1	Need Consent for Liner installation. 2 Outlet sections separated outlet
2	0.58	18	32	10	0	42	Liner			2.5	1	Inlet has a utility line through it.
3	0.743	18	32	5	3	40	Liner			20		Decent needs extensions to fence and ditch for old pond
4	0.8707	36	47	0	0	47	Liner		30		1	Outlet section disjointed.
5	1.123	18	28	2	3	33	Liner			10		Needs ditched to drain.
6	1.2375	18	54	0	3	57	18 Pipe			20		Ditch outlet of pipe
7	1.371	24	40	0	0	40	Liner				1	Inlet could use a drop box. Outlet disjointed.
8	1.6503	18	31	0	5	36	18 Pipe					Close to Church. Outlet disjointing. Line or replace
9	1.841	18	35	0	0	36	18 Pipe					Raise Pipe.
10	1.993	18	34	0	8	42	Liner				1	slight disjointed at outlet
11	2.067	18	36	0	8	44	18 Pipe				1	roadway settlement due to disjointing. Drop box inlet and extend outlet
12	2.261	48	43	8	8	59	Liner	1158	30	40	1	Inlet disjointed. Needs outlet ditched off r/w. Possible utilities Extend with Liner.
12a	2.288	32	50	2	3	55	Liner					Outlet needs ditched to drain. Inlet drop box.
13	2.346	18	30	4	3	37	18 Pipe					Needs ditched outlet. Cleaned for best evaluation.
14	2.528	18	50	0	0	50	18 Pipe				1	Inlet needs bank laid back and drop box. Needs cleaned for Condition
15	2.582	48	65	0	0	65	No work					Pipe in good condition
16	2.738	32	60	3	3	66	Liner.					Pipe Decent just needs extensions.
17	2.793	24	46	0	0	46	Liner.				1	Pipe decent liner just for exposed outlet section.
18	2.964	32	43	0	6	49	Liner.					Decent pipe liner for extension and stabilizing outlet.

42	588	HDPE Liners										
18	260	Culvert 18"										
36	1251	Embankment										
24	230	Guardrail Embankment										
48	9	Drop box										
32	155	Ditching										
	90	Channel Lining										
total												

Liner Length	Grout Length
157	126
86	86
170	153
47	47
69	57
59	43
431	386

HDPE Liners item shall include all items necessary for installation including but not limited to Concrete Bulkheads and Grouting existing pipe voids.
 Consent release for embankment work at pipe locations on file.
 Pipe Replacement backfill shall be flowable fill with minimum 4" Asphalt base to bring to existing surface.
 Perm and Temp erosion control as well as Lime and fertilizer application shall be incidental to seeding and protection.
 Contractor shall consider resetting or possible removal of disjointed pipe when bidding the lining of the pipes.

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 7-20-18

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Report Date 7/20/18

Section: 0001 - paving

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	635.00	TON		\$	
0020	00190		LEVELING & WEDGING PG64-22	656.00	TON		\$	
0030	00272		CL2 ASPH BIND 0.50D PG64-22	3,255.00	TON		\$	
0040	00301		CL2 ASPH SURF 0.38D PG64-22	1,440.00	TON		\$	
0050	00356		ASPHALT MATERIAL FOR TACK	31.00	TON		\$	
0060	00462		CULVERT PIPE-18 IN	260.00	LF		\$	
0070	01496		DROP BOX INLET TYPE 3	9.00	EACH		\$	
0080	02230		EMBANKMENT IN PLACE	1,481.00	CUYD		\$	
0090	02237		DITCHING	155.00	LF		\$	
0100	02483		CHANNEL LINING CLASS II	90.00	TON		\$	
0110	02562		TEMPORARY SIGNS	520.00	SQFT		\$	
0120	02650		MAINTAIN & CONTROL TRAFFIC (KY 1332)	1.00	LS		\$	
0130	02650		MAINTAIN & CONTROL TRAFFIC (KY 585)	1.00	LS		\$	
0140	02676		MOBILIZATION FOR MILL & TEXT (KY 1332)	1.00	LS		\$	
0150	02676		MOBILIZATION FOR MILL & TEXT (KY 585)	1.00	LS		\$	
0160	02677		ASPHALT PAVE MILLING & TEXTURING	40.00	TON		\$	
0170	02697		EDGE LINE RUMBLE STRIPS	52,674.00	LF		\$	
0180	03240		BASE FAILURE REPAIR	1,840.00	SQYD		\$	
0190	05985		SEEDING AND PROTECTION	600.00	SQYD		\$	
0200	06510		PAVE STRIPING-TEMP PAINT-4 IN	52,674.00	LF		\$	
0210	06514		PAVE STRIPING-PERM PAINT-4 IN	71,549.00	LF		\$	
0220	06568		PAVE MARKING-THERMO STOP BAR-24IN	116.00	LF		\$	
0230	10020NS		FUEL ADJUSTMENT	8,603.00	DOLL	\$1.00	\$	\$8,603.00
0240	10030NS		ASPHALT ADJUSTMENT	21,036.00	DOLL	\$1.00	\$	\$21,036.00
0250	22950NN		PAVE MARKING-THERMO STOP	2.00	EACH		\$	
0260	24583EC		HDPE PIPE LINER 18"	157.00	LF		\$	
0270	24583EC		HDPE PIPE LINER 24"	86.00	LF		\$	
0280	24583EC		HDPE PIPE LINER 32"	170.00	LF		\$	
0290	24583EC		HDPE PIPE LINER 36"	47.00	LF		\$	
0300	24583EC		HDPE PIPE LINER 42"	69.00	LF		\$	
0310	24583EC		HDPE PIPE LINER 48"	59.00	LF		\$	
0311	21945EN		GROUT 18" (ADDED: 7-20-18)	126.00	LF		\$	
0312	21945EN		GROUT 24" (ADDED: 7-20-18)	86.00	LF		\$	
0313	21945EN		GROUT 32" (ADDED: 7-20-18)	153.00	LF		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 7-20-18

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0314	21945EN		GROUT 36" (ADDED: 7-20-18)	47.00	LF		\$	
0315	21945EN		GROUT 42" (ADDED: 7-20-18)	57.00	LF		\$	
0316	21945EN		GROUT 48" (ADDED: 7-20-18)	43.00	LF		\$	

Section: 0002 - GUARDRAIL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0320	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	12.00	EACH		\$	
0330	02351		GUARDRAIL-STEEL W BEAM-S FACE	571.00	LF		\$	
0340	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0350	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0360	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0370	02371		GUARDRAIL END TREATMENT TYPE 7	1.00	EACH		\$	
0380	08806		GUARDRAIL-BRIDGE CASE I-A	44.00	LF		\$	

Section: 0003 - DEMOBILIZATION

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