

ADDENDUM NO. 1

TO

Old state Route 21 Asphalt Pavement Improvements STP-5403 (684)

COUNTY OF JEFFERSON, MISSOURI

May 21st, 2021



This addendum forms a part of the bidding and contract documents and modifies the original bidding documents. Acknowledge receipt of this addendum per the instructions given in the bidding documents. Failure to acknowledge this or any other addenda may subject bidder to disqualification.

Project Specifications:

STP-5403 (684) Bid Form:

Remove Sheet 15 of 141 from the project specifications, and replace with sheet ADD 1-15, new sheet 15 of 141. The purpose of the replacement is to add additional pavement preservation alternates and crack filling to the contract. Crack filling shall be based on a per mile unit quantity and shall be included on both pavement preservation options. Pavement Preservation Bid Alternate A (Chip seal CRS2P) 3/8" and Pavement Preservation Bid Alternate B (UBAWS Type C) will be options that the contractor can bid on. Contractors may bid on one or both options presented.

Pavement Preservation Alternate B, UBAWS Type C, includes placing UBAWS over the existing eight-foot (8') shoulders on Section One of the project STA 21+25 to STA 240+00. Section 2 STA 253+38 to STA 383+00 and Section 3 STA 395+55 to STA 530+50 shall remain Type A3 shoulder installation. Modified Coldmilling (Depth Transitions) shall be included with Alternate B. On Section 1, milling shall be performed on the existing shoulders at driveways, entrances, and maintenance change locations. Section 2 milling shall be performed on exception shoulder reconstruction areas and maintenance change locations. A table of estimated locations and quantities can in this document.

Jefferson County reserves the right to choose which option meets the County's needs best upon review of the bids.

STP-5403 (684) Agreement Form:

Remove Sheet 24 of 141 from the project specifications, and replace with sheet ADD 1-24, new sheet 24 of 141. The purpose of the replacement is to add an additional pavement preservation alternates and crack filling to the contract. Crack filling shall be based on a per mile unit quantity. Pavement Preservation Bid Alternate A (Chip seal CRS2P) 3/8" and Pavement Preservation Bid Alternate B (UBAWS Type C) will be both be options that the contractor can bid on. Modified Coldmilling (Depth Transitions) shall be included with Alternate B. A reference table of locations and quantities of coldmilling can be found below. Contractors may bid on one or both options presented.

Pavement Preservation Alternate B, UBAWS Type C, includes placing UBAWS over the existing eight-foot (8') shoulders on section one of the project STA 21+25 to STA 240+00. Section 2 STA 253+38 to STA

383+00 and Section 3 STA 395+55 to STA 530+50 shall remain Type A3 shoulder installation. Coldmilling at asphalt and concrete entrances shall be included for Section 1.

Jefferson County reserves the right to choose which option meets the County's needs best upon review of the bids.

STP-5403 (684) JSP:

Remove sheet 94 of 141 from the project specifications, and replace with sheet ADD 1-94, new sheet 94 of 141. The purpose of this replacement is to add JSP K 4137000 Crack Sealing to the contract. This item is item is measured on a per mile basis to the 1/10th mile.

UBAWS Coldmilling Quantities					
Road	Station Start	Station Stop	Length	Width	Area (SY)
Begin Section One	21+25	21+40	15.00	22.00	37.00
College Road	21+50	22+10	60.00	7.00	47.00
Cody Trail	30+50	31+25	75.00	8.00	67.00
Dalton Lane	39+05	39+30	25.00	7.00	20.00
Highland Baptist Church	52+25	53+00	75.00	7.00	59.00
Hayden Road	60+75	61+80	105.00	7.00	82.00
Bus Shed	67+75	68+55	80.00	7.00	63.00
Bus Shed	69+00	69+60	60.00	7.00	47.00
9656 Old State Rt. 21	69+40	69+60	20.00	7.00	16.00
9641 Old State Rt. 21	71+40	73+25	185.00	7.00	144.00
Jarvis	78+60	79+60	100.00	7.00	78.00
9585 Old State Rt. 21	82+00	82+20	20.00	7.00	16.00
9580 Old State Rt. 21	82+90	83+10	20.00	7.00	16.00
Fort Hill Trail	96+00	96+40	40.00	7.00	32.00
Tanglewood	112+50	112+80	30.00	7.00	24.00
9400 Old State Rt. 21	113+00	113+20	20.00	7.00	16.00
9330 Old State Rt. 21	121+90	122+20	30.00	7.00	24.00
Fort Hill Trail	122+50	123+00	50.00	7.00	39.00
9318 Old State Rt. 21	126+20	126+40	20.00	7.00	16.00
9312 Old State Rt. 21	128+30	128+50	20.00	7.00	16.00
9282 Old State Rt. 21	132+20	132+70	50.00	7.00	39.00
9130 Old State Rt. 21	157+90	158+55	65.00	7.00	51.00
Old Lemay Ferry Road	167+60	168+30	70.00	7.00	55.00
Glad Chapel	194+20	195+20	100.00	7.00	78.00
Goldman Spur	194+30	195+20	90.00	7.00	70.00
8867 Old State Rt. 21	198+10	198+30	20.00	7.00	16.00
Granada Drive	202+90	203+40	50.00	7.00	39.00
Chapel Hill Drive	203+60	204+20	60.00	7.00	47.00
Larry Lane	205+20	205+80	60.00	7.00	47.00
8818 Old State Rt. 21	208+30	208+50	20.00	7.00	16.00
8789 Old State Rt. 21	216+60	217+20	60.00	7.00	47.00
Lila Drive	222+30	222+70	40.00	7.00	32.00
Valley View Drive	222+30	222+70	40.00	7.00	32.00
Gas Station	223+60	224+10	50.00	7.00	39.00
8735 Old State Rt. 21	223+60	223+80	20.00	7.00	16.00
8729 Old State Rt. 21	224+30	224+50	20.00	7.00	16.00
8720 Old State Rt. 21	225+00	225+60	60.00	7.00	47.00
Lake Lorraine Road	228+60	229+30	70.00	7.00	55.00
Dollar General	233+00	233+60	60.00	7.00	47.00
End Section One	239+85	240+00	15.00	22.00	37.00
Begin Section 2	253+38	253+53	15.00	22.00	37.00
Tishmingo	284+70	286+20	150.00	7.00	117.00
Tower	299+30	300+20	90.00	7.00	70.00
Klable	329+50	331+68	218.00	7.00	170.00
End Section 2	382+85	383+00	15.00	22.00	37.00

Road	Station Start	Station Stop	Length	Width	Area (SY)
Begin Section 3	399+55	399+70	15.00	22.00	37.00
Heads Creek Road	446+63	447+53	90.00	7.00	70.00
Old Highway M	517+26	519+25	199.00	7.00	155.00
End Section 3	530+35	530+50	15.00	22.00	37.00
					2,415.00

Modified shall begin at 0.75" in depth and taper to 0"

BID FORM - OLD STATE 21 PAVEMENT IMPROVEMENTS - STP-5403(584)

Roadway Items					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
2022010	REMOVAL OF IMPROVEMENTS	LS	1.00		
2072000	LINEAR GRADING CLASS 2	STA	521.10		
4010151	TYPE A3 SHOULDER	SQYD	52,097.00		
4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TONS	240.00		
4137000	BITUMINOUS PAVEMENT CRACK FILLING	MILE	9.20		
6131010	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR	SQYD	1,200.00		
6131012	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SQYD	1,200.00		
6131013	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR)	SQYD	1,200.00		
6131014	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS)	LF	4,950.00		
6131015	DOWEL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR	EA	3,000.00		
6161005	CONSTRUCTION SIGNS	SQFT	1,303.00		
6161025	CHANNELIZER (TRIM LINE)	EA	240.00		
6161031	TYPE III MOVEABLE BARRICADE WITH LIGHTS	EA	4.00		
6161098A	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED	EA	6.00		
6181000	MOBILIZATION	LS	1.00		
				Subtotal =	

Signing/Striping Items					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
6200045	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LT/RT FISH HOOK ARROW	EA	4.00		
6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	95,326.00		
6206001C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	96,960.00		
6208063	TEMPORARY PAVEMENT MARKING	EA	1,208.00		
6261000A	BITUMINOUS SHOULDER RUMBLE STRIP	STA	893.60		
6261001	BITUMINOUS CENTERLINE RUMBLE STRIP	STA	465.40		
				Subtotal =	

Pavement Preservation Bid Alternate A					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
4059905*	CHIP SEAL CRS2P 3/8" TRAP ROCK	SY	130,016.00		

Pavement Preservation Bid Alternate B					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
4133200*	ULTRATHIN BONDED WEARING SURFACE, TYPE C	SY	168,905.00		
6224010*	MODIFIED COLDMILLING (DEPTH TRANSITIONS)	SY	2,415.00		

BID ALTERNATE A (CHIP SEAL CRS2P 3/8" TRAP ROCK) Project Total =

BID ALTERNATE B (UBAWS TYPE C) Project Total =

*Contractor may bid on one or both alternates

*Jefferson County reserves the right to choose which option best suits the County's needs

AGREEMENT FORM - OLD STATE 21 PAVEMENT IMPROVEMENTS - STP-5403(584)

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4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TONS	240.00		
4137000	BITUMINOUS PAVEMENT CRACK FILLING	MILE	9.20		
6131010	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR	SQYD	1,200.00		
6131012	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR)	SQYD	1,200.00		
6131013	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR)	SQYD	1,200.00		
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6206000C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF	95,326.00		
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Pavement Preservation Bid Alternate A					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
4059905*	CHIP SEAL CRS2P 3/8" TRAP ROCK	SY	130,016.00		

Pavement Preservation Bid Alternate B					
Pay Item No.	Description	Unit	Quantity	Unit Cost	Amount
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6224010*	MODIFIED COLDMILLING (DEPTH TRANSITIONS)	SY	2,415.00		

BID ALTERNATE A (CHIP SEAL CRS2P 3/8" TRAP ROCK) Project Total =

BID ALTERNATE B (UBAWS TYPE C) Project Total =

*Contractor may bid on one or both alternates

*Jefferson County reserves the right to choose which option best suits the County's needs

Safety Plan

The contractor shall include these procedures in the project safety plan as called for in the contract documents and revise the safety plan as needed.

Essential Work

In accordance with any state or local Stay at Home Order, care for the infrastructure has been deemed essential and MoDOT/ Jefferson County is moving forward with construction projects, this project is considered essential and the contractor and their employees, subcontractors and suppliers are considered essential business and performing essential functions.

Basis of Payment

Compliance with regulations and laws pertaining to COVID-19 is covered under Sec 107 of the Missouri Standard Specifications for Highway Construction. No direct payment will be made for compliance with this provision.

K) 4137000 – Crack Sealing

Description

Cleaning, filling, and sealing cracks on roadway prior to pavement preservation installation.

Material

Material used for crack sealing shall adhere to ASTM D345, "Standard Specification for Joint Sealants, Hot Applied, for Concrete and Asphalt Pavements."

Sealant shall be capable of being reheated to pouring temperatures at least once after initial heating, while retaining the sealant's physical characteristics.

Construction Methods

Sealant shall not be placed when the pavement is wet, or when the ambient or pavement temperature falls below 40° F. The contractor shall provide the engineer with the manufacturers recommendations for mixing and application, including temperature restrictions, and shall prepare and apply the crack sealant accordance with these recommendations.

Cracks and joints less than ½" wide shall be routed to provide a reservoir centered over the existing crack. The reservoir shall be slightly larger than the existing crack, with a minimum size of ½" wide x ½" deep. The crack shall be clean from all loose and foreign material, and dry, prior to application of the sealant. Loose Material on the surface within 2" of the crack shall be removed to allow proper adhesion. Crack filler shall be applied with a hand hose to the cleaned cracks. The reservoir shall be slightly overfilled and excess material shall be smoothed with a V or U-shaped squeegee, level to the adjoining surface pavement forming a wipe zone 3 to 4 inches wide.

Method of Measurement and Payment

<i>Item Number</i>	<i>Description</i>	<i>Unit</i>
4137000	Bituminous Pavement Crack Sealing	MILE