

Project: 04PAI-KY 321

Date: Mar-24

		Shared Use Path				Right Turn Lane			
Concept	5 Lane + SW	Concrete w/Lights	Frontage Road/RIROs	3 RABs	Walmart RAB	Taco Bell	McDonald's	JCHS	Walmart Offset Lefts
D	\$900,000	\$300,000	\$200,000	\$1,600,000	\$450,000	\$50,000	\$50,000	\$50,000	\$50,000
R	\$0	\$2,500,000	\$1,000,000	\$1,200,000	\$360,000	\$0	\$0	\$0	\$0
U	\$2,500,000	\$1,000,000	\$200,000	\$2,500,000	\$400,000	\$100,000	\$100,000	\$100,000	\$0
C	\$8,900,000	\$2,100,000	\$2,400,000	\$16,000,000	\$2,500,000	\$100,000	\$100,000	\$200,000	\$100,000
TOTAL	\$12,300,000	\$5,900,000	\$3,800,000	\$21,300,000	\$3,710,000	\$250,000	\$250,000	\$350,000	\$150,000

Notes: Lighting included Lighting Included No Lighting Lighting Included Lighting Included Includes Mill & Fill

Project: 04PAI-Paintsville KY 321
Date: Feb-24

Unit Price Assumptions

Category	Item	Unit Price	Per	Notes/Source
Modeled	2200 Roadway Excavation	\$30	CY	BidX
Modeled	2230 Embankment in Place	\$53	CY	BidX
	001 DGA	\$53	TN	BidX
	212 Asphalt Base	\$179	TN	BidX
	301 Asphalt Surface	\$130	TN	BidX
	Asphalt Pave Milling & Texturing	\$58	TN	BidX
Concrete	2720 Concrete Sidewalk	\$80	SY	BidX
	1810 Standard Curb and Gutter	\$73	LF	BidX
	1456 Curb Box Inlet	\$9,600	EA	BidX
	2084 JPC Pavement -8 IN	\$140	SY	BidX
	2555 Concrete-Class B (Retaining Wall)	\$720	CY	BidX
	1921 Concrete-Class A	\$1,000	CY	BidX
Other	Traffic Signal	\$300,000	LS	\$200-\$500k per research
	Structure	\$300	SF	FHWA Range = \$100-\$300/SF
	Lighting	\$100	LF	Average Total Cost
Parametric	Mob/Demob	3%		Generally Used %
	MOT	3%		Generally Used %
	Drainage	20%		Generally Used %
	Misc	25%		Generally Used %
From District	ROW	-		
	Utilities	-		
Contingency	-	30%		
Escalation	-	?		

Bid Tab Analysis Search

Item: <input type="text" value="Any"/>	From: <input type="text" value="01/01/2021"/>	To: <input type="text" value="02/05/2024"/>	Date Range:
<input checked="" type="checkbox"/> Smart Item Search			
Description: <input type="text" value="Roadway Excavation"/>	From: <input type="text" value="Any"/>	To: <input type="text" value="Any"/>	Quantity Range:
Proposal Items: <input type="text" value="Any"/>			
County: <input type="text" value="Johnson, Floyd, Lawrence, Pike"/>	From: <input type="text" value="Any"/>	To: <input type="text" value="Any"/>	Price Range:
Unit: <input type="text" value="Any"/>			
Low Bidders: <input type="text" value="Any"/>			
<input type="button" value="Search"/> <input type="button" value="Clear"/>			

Project:	5-Lane with Sidewalk					
Description:	5 lane from KY 40 to Post Office, then 3-lane to Trimble. 5-foot sidewalk and and c/g for entire length. Lighting included.					
<u>Calculations</u>						
	Item	Unit	Unit Cost	Quantity	Cost	Totals
5 Lanes		*Earthwork is for total length				\$ 2,206,648
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00	29,000	\$ 870,000	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00		\$ -	
1	DGA Base	TON	\$ 53.00	3,400	\$ 180,217	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	4,879	\$ 873,291	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	2,178	\$ 283,140	
3 Lanes						\$ 68,641
1	DGA Base	TON	\$ 53.00	108	\$ 5,721	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00		\$ -	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	484	\$ 62,920	
Concrete						\$ 1,695,676
2200	Retaining Wall Excavation	CY	\$ 30.00	1,173	\$ 35,175	
	Retaining Wall - CL B Concrete	CY	\$ 720.00	770	\$ 554,400	
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	11,616	\$ 847,968	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00	3,227	\$ 258,133	
Other						\$ 580,800
	Lighting	LF	\$ 100.00	5,808	\$ 580,800	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 2,321,400
	DRAINAGE	LS	20%		\$ 910,353	
2569	MOBILIZATION/DEMOLITION	LS	3%		\$ 136,553	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 136,553	
	MISCELLANEOUS	LS	25%		\$ 1,137,941	
Contingency						\$ 2,061,950
	Contingency	LS	30%		\$ 2,061,950	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 8,935,115

Project: **Shared Use Path From Trimble to McCloud**
 Description: **8 feet wide, East side with retaining wall**
Lighting included.
Concrete

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline	*Earthwork is for total length					\$ 127,200
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00		\$ -	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00	2,400	\$ 127,200	
1	DGA Base	TON	\$ 53.00		\$ -	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00		\$ -	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00		\$ -	
Concrete						\$ 479,418
2200	Retaining Wall Excavation	CY	\$ 30.00	281	\$ 8,442	
	Retaining Wall - CL B Concrete	CY	\$ 720.00	185	\$ 133,056	
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00		\$ -	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00	4,224	\$ 337,920	
Other						\$ 475,200
	Lighting	LF	\$ 100.00	4,752	\$ 475,200	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 551,727
	DRAINAGE	LS	20%		\$ 216,364	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 32,455	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 32,455	
	MISCELLANEOUS	LS	25%		\$ 270,455	
Contingency						\$ 490,064
	Contingency	LS	30%		\$ 490,064	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 2,123,609

Project:	Frontage Road					
Description:	East of KY 321 with Curb and Gutter					
<u>Calculations</u>						
	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline	*Earthwork is for total length					\$ 804,487
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00	3,900	\$	117,000
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00		\$	-
1	DGA Base	TON	\$ 53.00	2,004	\$	106,188
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	2,875	\$	514,565
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	513	\$	66,733
Concrete						\$ 408,800
2200	Retaining Wall Excavation	CY	\$ 30.00		\$	-
	Retaining Wall - CL B Concrete	CY	\$ 720.00		\$	-
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	5,600	\$	408,800
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00		\$	-
Other						\$ -
	Lighting	LF	\$ 100.00		\$	-
	Structure	SF	\$ 300.00		\$	-
Parametric						\$ 618,776
	DRAINAGE	LS	20%		\$	242,657
2569	MOBILIZATION/DEMOBILIZATION	LS	3%		\$	36,399
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$	36,399
	MISCELLANEOUS	LS	25%		\$	303,322
Contingency						\$ 549,619
	Contingency	LS	30%		\$	549,619
Escalation						\$ -
	Factored for Future Implementation	LS			\$	-
Construction						\$ 2,381,683

Project:	3 RABs - KY 40, Walmart, McDonalds					
Description:	Resurface mainline/add c/g/ replace intersections with RABs Lighting Included					
Calculations						
	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline 3-lane		*Earthwork is for total length				\$ 2,003,893
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00	61,000	\$ 1,830,000	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00		\$ -	
1	DGA Base	TON	\$ 53.00	432	\$ 22,885	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00		\$ -	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	1,162	\$ 151,008	
Mainline 5-lane near 40						\$ 117,002
1	DGA Base	TON	\$ 53.00	184	\$ 9,752	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00		\$ -	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	825	\$ 107,250	
Concrete -Mainline						\$ 1,011,548
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	13,248	\$ 967,104	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00	556	\$ 44,444	
RAB (3)						\$ 2,584,158
1	DGA Base	TON	\$ 53.00	6,900	\$ 365,700	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	11,550	\$ 2,067,450	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	1,162	\$ 151,008	
Concrete -RAB						\$ 1,833,803
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	15,425	\$ 1,126,025	
2084	2084 JPC Pavement -8 IN	SY	\$ 140.00	5,056	\$ 707,778	
1921	Concrete-CL A	CY	\$ 80.00	1,762	\$ 140,963	
Other						\$ 602,400
	Lighting	LF	\$ 100.00	6,024	\$ 602,400	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 4,157,930
	DRAINAGE	LS	20%		\$ 1,630,561	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 244,584	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 244,584	
	MISCELLANEOUS	LS	25%		\$ 2,038,201	
Contingency						\$ 3,693,220
	Contingency	LS	30%		\$ 3,693,220	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 16,003,954

Project: **Walmart Standalone RAB**
 Description: **Replace intersection with RAB
 Lighting Included**

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline	*Earthwork is for total length					\$ 314,581
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00		\$ -	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00	4,600	\$ 243,800	
1	DGA Base	TON	\$ 53.00	286	\$ 15,170	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00		\$ -	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	428	\$ 55,611	
Concrete -Mainline						\$ 204,400
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	2,800	\$ 204,400	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00		\$ -	
RAB						\$ 371,229
1	DGA Base	TON	\$ 53.00	1,035	\$ 54,855	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	1,733	\$ 310,118	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	48	\$ 6,256	
Concrete -RAB						\$ 224,342
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00	1,475	\$ 107,675	
2084	2084 JPC Pavement -8 IN	SY	\$ 140.00	833	\$ 116,667	
1921	Concrete-CL A	CY	\$ 80.00	133	\$ 10,667	
Other						\$ 140,000
	Lighting	LF	\$ 100.00	1,400	\$ 140,000	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 639,821
	DRAINAGE	LS	20%		\$ 250,910	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 37,637	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 37,637	
	MISCELLANEOUS	LS	25%		\$ 313,638	
Contingency						\$ 568,312
	Contingency	LS	30%		\$ 568,312	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 2,462,684

Project: **Right Turn Lane into Taco Bell**
 Description: **12 ft lane/6/4 paved shoulders**

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline						\$ 41,323
*Earthwork is for total length						
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00	175	\$ 5,250	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00		\$ -	
1	DGA Base	TON	\$ 53.00	115	\$ 6,095	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	128	\$ 22,972	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	21	\$ 3,829	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	24	\$ 3,178	
Concrete						\$ -
2200	Retaining Wall Excavation	CY	\$ 30.00		\$ -	
	Retaining Wall - CL B Concrete	CY	\$ 720.00		\$ -	
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00		\$ -	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00		\$ -	
Other						\$ -
	Lighting	LF	\$ 100.00		\$ -	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 21,075
	DRAINAGE	LS	20%		\$ 8,265	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 1,240	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 1,240	
	MISCELLANEOUS	LS	25%		\$ 10,331	
Contingency						\$ 18,719
	Contingency	LS	30%		\$ 18,719	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 81,117

Project: **McDonald's Right Turn Lane**
 Description: **12 ft lane/6/4 paved shoulders**

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline	*Earthwork is for total length					\$ 40,573
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00	150	\$ 4,500	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00		\$ -	
1	DGA Base	TON	\$ 53.00	115	\$ 6,095	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	128	\$ 22,972	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	21	\$ 3,829	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	24	\$ 3,178	
Concrete						\$ -
2200	Retaining Wall Excavation	CY	\$ 30.00		\$ -	
	Retaining Wall - CL B Concrete	CY	\$ 720.00		\$ -	
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00		\$ -	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00		\$ -	
Other						\$ -
	Lighting	LF	\$ 100.00		\$ -	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 20,692
	DRAINAGE	LS	20%		\$ 8,115	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 1,217	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 1,217	
	MISCELLANEOUS	LS	25%		\$ 10,143	
Contingency						\$ 18,380
	Contingency	LS	30%		\$ 18,380	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 79,645

Project: **School Turn Lane**
 Description: 12 ft lane/6/4 paved shoulders

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline	*Earthwork is for total length					\$ 85,482
2200	ROADWAY EXCAVATION (modeled)	CY	\$ 30.00		\$ -	
2230	EMBANKMENT IN PLACE (modeled)	CY	\$ 53.00	660	\$ 34,980	
1	DGA Base	TON	\$ 53.00	161	\$ 8,533	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	180	\$ 32,160	
212	CL2 ASPH BASE 1.00D PG64-22	TON	\$ 179.00	30	\$ 5,360	
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	34	\$ 4,449	
Concrete						\$ -
2200	Retaining Wall Excavation	CY	\$ 30.00		\$ -	
	Retaining Wall - CL B Concrete	CY	\$ 720.00		\$ -	
01810	STANDARD CURB AND GUTTER	LF	\$ 73.00		\$ -	
2720	SIDEWALK-4IN CONCRETE	SY	\$ 80.00		\$ -	
Other						\$ -
	Lighting	LF	\$ 100.00		\$ -	
	Structure	SF	\$ 300.00		\$ -	
Parametric						\$ 43,596
	DRAINAGE	LS	20%		\$ 17,096	
2569	MOBILIZATION/DEMobilIZATION	LS	3%		\$ 2,564	
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$ 2,564	
	MISCELLANEOUS	LS	25%		\$ 21,371	
Contingency						\$ 38,723
	Contingency	LS	30%		\$ 38,723	
Escalation						\$ -
	Factored for Future Implementation	LS			\$ -	
Construction						\$ 167,802

Project: **Offset Lefts and HiVis Backplates**
 Description: Mill & Resurfacing for restriping offset lefts and add hi-vis backplates

Calculations

	Item	Unit	Unit Cost	Quantity	Cost	Totals
Mainline						\$ 54,285
*Earthwork is for total length						
	ASPHALT PAVE MILLING & TEXTURING	TON	\$ 58.00	289	\$	16,748
301	CL2 ASPH SURF 0.38D PG64-22	TON	\$ 130.00	289	\$	37,538
Concrete						\$ -
Other						\$ 2,000
	Hi Vis Backplates (existing signals)	EA	\$ 250.00	8	\$	2,000
Parametric						\$ 25,760
	DRAINAGE	LS			\$	-
2569	MOBILIZATION/DEMOBILIZATION	LS	3%		\$	1,689
2650	MAINTAIN & CONTROL TRAFFIC	LS	3%		\$	10,000
	MISCELLANEOUS	LS	25%		\$	14,071
Contingency						\$ 24,613
	Contingency	LS	30%		\$	24,613
Escalation						\$ -
	Factored for Future Implementation	LS			\$	-
Construction						\$ 106,658