

**LEXINGTON-FAYETTE URBAN COUNTY  
GOVERNMENT CONTRACT MODIFICATION**

Page 1 of 2

To (Contractor):  
HDR Engineering, Inc.  
333 W. Vine Street, Suite 1400  
Lexington KY 40507

Date:	May 13, 2025
Project:	Citation Boulevard P-IIIIB
Location:	Citation Boulevard
Contract No.	305-2022
Original Contract Amt.	\$249,802.00
Cumulative Amount of Previous Change Orders	\$0.00
Percent Change - Previous Change Orders	0.00%
Total Contract Amount Prior to this Change Order	\$249,802.00
Contract Mod No.	1

You are hereby requested to comply with the following changes from the original contract and Scope of Work:

**Current Change Order**

Item No.	Description of changes-quantities, unit prices, change in completion date, etc.	Decrease in contract price	Increase in contract price	
1	Design Services for Citation Boulevard Phase - IIIIB		\$75,123.00	
	Total decrease	\$0.00		
	Total increase		\$75,123.00	
	Net Amount of this Change Order	\$75,123.00		
	<b>New Contract Amount Including this Change Order</b>	<b>\$324,925.00</b>		
	Percent Change - This Change Order			30.07%
	Percent Change - All Change Orders			30.07%

The time provided for the completion in the contract and all provisions of the contract will apply hereto.

Recommended by *Anders Combs* (Proj. Engr.) Date 5/13/2025

Accepted by *[Signature]* (Contractor) Date 5/13/2025

Approved by *[Signature]* (Director) Date 5/15/25

Approved by *[Signature]* (Commissioner) Date 5/16/25

Approved by \_\_\_\_\_ (Mayor or CAO) Date \_\_\_\_\_

**JUSTIFICATION FOR CHANGE**

PROJECT: Citation Boulevard Phase IIIB

CONTRACT NO.: 305-2022

CONTRACT MOD: 1

1. Necessity for change: To incorporate design changes from Right-of-Way Acquisition, design changes for drainage modifications, modifications to alignment, and additional surveying. See Attachment A.
2. Is proposed change an alternate bid? \_\_\_Yes XNo
3. Will proposed change alter the physical size of the project? \_\_\_Yes XNo  
If "Yes", explain.
4. Effect of this change on other prime contractors: N/A
5. Has consent of surety been obtained? \_\_\_Yes XNot Necessary
6. Will this change affect expiration or extent of insurance coverage? XYes \_\_\_No  
If "Yes", will the policies be extended? XYes \_\_\_No
7. Effect on operation and maintenance costs: N/A
8. Effect on contract completion date: Completion date will be extended 360 days from Change Order Council Ratification.

\_\_\_\_\_  
Mayor or CAO\_\_\_\_\_  
Date



## **Citation Boulevard Phase IIIB Contract Modification #2 Scope Summary**

### **Survey: 94 hours**

- These hours are for the required additional survey to add the Asbury Lane extension connecting to Citation Boulevard.
- These hours are for setting the property corners on the 2 Parcels requiring Right of Way changes for the Asbury Lane extension connecting to Citation Boulevard.

### **Preliminary Line and Grade: 16 hours**

- These hours are for the preliminary horizontal design, vertical design, and modeling of the Asbury Lane extension connecting to Citation Boulevard.

### **Utility Coordination: 8 hours**

- These hours are for the additional utility coordination required for the Asbury Lane extension connecting to Citation Boulevard.

### **Right of Way Plans: 68 hours**

- These hours are for additional Right of Way Plan preparation work for the Asbury Lane extension connecting to Citation Boulevard. There are edits to Parcel 150 and a new parcel on the Western side of Asbury.

### **Final Plan Preparation: 209 hours**

- These hours are for all final horizontal/vertical/modeling work, final plan production work, final horizontal/vertical/modeling work, drainage design, drainage analysis, and maintenance of traffic plan work associated with the Asbury Lane extension connecting to Citation Boulevard.
- These hours are for the Signal Pole relocation plans required at Citation and Russell Cave Road.





KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
DIVISION OF PROFESSIONAL SERVICES  
**ENGINEERING AND RELATED SERVICES FEE PROPOSAL**

TC 40-2  
Rev. 12/2022  
Page 1 of 1

**SECTION 1: PROJECT INFORMATION**

DATE:	Dec 6, 2024	COUNTY:	Fayette	ITEM #:	7-447
PROJECT:	Citation Boulevard Phase III-B				
DESC:	Contract Mod. #2: Asbury Lane, Survey, Signal Design				

**SECTION 2: BUDGET INFORMATION**

FEE CONSIDERATIONS	PROPOSED HOURS	NEGOTIATED HOURS	AVERAGE RATE	ESTIMATED COST
Survey	94		\$ 52.34	\$ 4,919.96
Preliminary Line and Grade	16		\$ 60.45	\$ 967.20
Utility Coordination	8		\$ 65.00	\$ 520.00
Right-of-Way Plans	68		\$ 65.36	\$ 4,444.48
Final Plans	209		\$ 65.36	\$ 13,660.24
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
<b>TOTAL PRODUCTION HOURS &amp; PAYROLL</b>	<b>395</b>			<b>\$ 24,511.88</b>

<b>OVERHEAD ( 157.94 % )</b>	<b>\$ 38,714.06</b>
<b>PROFIT ( 15.00 % )</b>	<b>\$ 9,483.89</b>
<b>COST OF MONEY ( 0.45 % )</b>	<b>\$ 110.92</b>


DIRECT COSTS	AMOUNT
Mileage	\$ 893.20
Meals	\$ 110.00
Survey Crew Travel Time	\$ 1,496.92
Lodging	\$ -
Printing and/or Misc.	\$ -
<b>TOTAL DIRECT COSTS</b>	<b>\$ 2,500.12</b>

SUBCONSULTANTS	AMOUNT
<b>TOTAL SUBCONSULTANTS</b>	<b>\$ -</b>

<b>TOTAL FEE</b>	<b>\$ 75,321</b>
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\*Rounded to the nearest dollar

**SECTION 3: SIGNATURE**

<b>FIRM NAME: HDR ENGINEERING, INC.</b>	<b>SIGNED BY: Kyle R. Guthrie</b>
 CONSULTANT SIGNATURE	Vice President/Area Manager TITLE
	DATE
PROFESSIONAL SERVICES SIGNATURE	TITLE
	DATE

**TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS  
CLASSIFICATIONS AND DETERMINATION OF AVERAGE RATES**

COUNTY  
PROJECT  
ITEM NO.

Fayette  
Citation Boulevard Phase III-B  
7-447

Position	12/6/2024 Rate	Escalated Rate 2.493%	% Classification	Cost
<b>Survey</b>				
Principal Project Manager	\$ 103.34	\$ 105.92	10%	\$ 10.59
Project Manager Sr. 1	\$ 61.20	\$ 62.73	30%	\$ 18.82
Graphic Designer Sr	\$ 48.45	\$ 49.66	30%	\$ 14.90
Survey Technician	\$ 26.14	\$ 26.79	30%	\$ 8.04
<b>Average Rate</b>			100%	<b>\$ 52.34</b>
<b>Preliminary Line and Grade</b>				
Principal Project Manager	\$ 103.34	\$ 105.92	5%	\$ 5.30
Project Manager Sr. 2	\$ 74.16	\$ 76.01	20%	\$ 15.20
Project Engineer 2	\$ 51.98	\$ 53.28	75%	\$ 39.96
<b>Average Rate</b>			100%	<b>\$ 60.45</b>
<b>Utility Coordination</b>				
Principal Project Manager	\$ 103.34	\$ 105.92	5%	\$ 5.30
Project Manager Sr. 2	\$ 74.16	\$ 76.01	40%	\$ 30.40
Project Engineer 2	\$ 51.98	\$ 53.28	55%	\$ 29.30
<b>Average Rate</b>			100%	<b>\$ 65.00</b>
<b>Right Of Way Plans</b>				
Principal Project Manager	\$ 103.34	\$ 105.92	10%	\$ 10.59
Project Manager Sr. 2	\$ 74.16	\$ 76.01	30%	\$ 22.80
Project Engineer 2	\$ 51.98	\$ 53.28	60%	\$ 31.97
<b>Average Rate</b>			100%	<b>\$ 65.36</b>
<b>Final Plans</b>				
Principal Project Manager	\$ 103.34	\$ 105.92	10%	\$ 10.59
Project Manager Sr. 2	\$ 74.16	\$ 76.01	30%	\$ 22.80
Project Engineer 2	\$ 51.98	\$ 53.28	60%	\$ 31.97
<b>Average Rate</b>			100%	<b>\$ 65.36</b>

Escalated rate increase based on midpoint of project. Maximum allowed salary increase is 5%.

• Notice to Proceed 11/1/2024  
• Midpoint of Project 2/22/2025  
• Final Plans 6/15/2025

• Audited Rates as of: 8/24/2024  
• Midpoint of Project 2/22/2025  
• Days (7/29/2023 to Midpoint) = 182

182 Days ÷ 365 =	0.499 Years
0.499 Years x 5% per year	2.493% = Escalation Rate



PRODUCTION-HOUR WORKSHEET (revised 7/14)						
COUNTY	Fayette	PROJECT TYPE				
ROUTE	Citation Boulevard Phase III-B	CONSULTANT	HDR Engineering, Inc.			
DESC	Contract Mod. #2: Asbury Lane, Survey, Signal Design	REVIEWED BY				
		PREPARED BY				
ITEM NO.	7-447	DATE	12/6/2024			
<b>SURVEY</b>						
No.	ITEM	CREW	UNIT	AMOUNT	HRS/UNIT	HOURS
<b>RECONNAISSANCE</b>						
1	Control - (existing)	1	Mile	0.5	12	6
2	Utilities - (data gathering, identification & contact)	1	No.			0
3	Drainage - (sink holes, streams, pipes, etc.)	1	Mile	0.5	16	8
<b>CONTROL</b>						
4	Horizontal	2	Mile			0
5	Vertical	2	Mile			0
6	Process data	1	Mile			0
<b>PLANIMETRIC SURVEY</b>						
7	Planimetric location <i>(specify complete, pickup or update)</i>	2	Mile	0.5	24	24
8	Subsurface Utility Engineering, Quality Levels C & D	1	Mile			0
9	Subsurface Utility Engineering, Quality Level B	1	LS			0
10	Subsurface Utility Engineering, Quality Level A	1	LS			0
11	Process data	1	Mile	0.5	8	4
<b>TERRAIN SURVEY</b>						
12	DTM data collection <i>(Items 11-18 not required if used)</i>	2	Acre	0.75	10	15
13	Verify terrain model accuracy	2	Mile			0
14	Tie-ins	2	No.	0.5	8	8
15	Drainage situations survey (Bridge)	2	No.			0
16	Drainage situations survey (Culvert)	2	No.			0
17	Drainage pipe section (non-situation size)	2	No.			0
18	Flood plain data	2	No.			0
19	Railroad Surveys	2	No.			0
20	Additional necessary DTM data <i>(specify pickup or update)</i>	2	Acre			0
21	Process data	1	Mile	0.5	8	4
<b>ESTABLISH PROPERTY LINES &amp; OWNERSHIP</b>						
22	Contact & Interview Property Owners	1	Parcel	1	1	1
23	Field tie property lines/corners	2	Parcel	1	4	8
<b>STAKING</b>						
24	Stake centerlines, approaches, detours	2	Mile			0
25	Stake core holes - structures <i>(unit is per structure)</i>	2	No.			0
26	Stake core holes - roadway <i>(unit is per core hole)</i>	2	No.			0
<b>SURVEY MISCELLANEOUS</b>						
27	Determine roadway elevations (Crown and EP)	2	Mile			0
28	Environmental areas	2	No.			0
29	Set Property Corner Pins for R/W Acquisition	2	No.	2	4	16
<b>SURVEY TOTAL</b>						<b>94</b>

PRELIMINARY LINE AND GRADE					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
30	Computer setup	LS			0
31	Prepare existing manuscripts	Mile			0
32	Establish approximate property lines and ownership	Parcel			0
33	Study and develop typical sections	No.	1	4	4
34	Study and develop horizontal alignments	Mile	0.25	16	4
35	Study and develop vertical alignments	Mile	0.25	16	4
36	Create and evaluate proposed roadway models	Mile	0.25	16	4
37	Design entrances	No.			0
38	Pre-size pipes (all alternates)	No.	0	0	0
39	Pre-size culverts (all alternates)	No.			0
40	Pre-size bridges (all alternates)	No.			0
41a	Conduct Traffic Engineering Analysis (Basic; Highway Capacity Manual Procedures)	Intersection			0
41b	Conduct Traffic Engineering Analysis (Advanced; Micro-simulation)	Intersection			0
42	Study and development of interchange	No.			0
43	Study and development of intersection	No.	0	0	0
44	Study and develop maintenance of traffic plan	LS	0	0	0
45	Plot/print copies of plans for team meeting and inspections	LS	0	0	0
46	Calculate preliminary quantities and develop cost estimates	Alt.	0	0	0
47	Revise plans and estimates	LS	0	0	0
48	Preliminary Right of Way with taking areas	Parcel	0	0	0
49	Prepare Design Executive Summary	LS			0
50	Develop/document "Avoidance Alternatives to Water Related Impacts"	LS			0
PRELIMINARY LINE & GRADE MISCELLANEOUS					
51					0
52					0
53					0
54					0
55					0
PRELIMINARY LINE AND GRADE TOTAL					16

UTILITY COORDINATION						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
56	Utility Coordination Meeting	2	No.			0
57	Develop Utility Relocation Layout Sheets (1"=200')		Mile			0
58	Develop Utility Relocation Plans (1"=50')		Mile			0
UTILITY COORDINATION MISCELLANEOUS						
59	Correspondence with Utilities for Location of Existing Facilities		No.	1	8	8
UTILITY COORDINATION TOTAL						8
RIGHT OF WAY PLANS						
No.	ITEM		UNIT	AMOUNT	HRS/UNIT	HOURS
60	Deed research		Parcel	1	4	4
61	Establish property and ownership		Parcel	1	4	4
62	Calculate Right of Way		Parcel	2	2	4
63	Prepare legal descriptions		Parcel	2	8	16
64	Complete Right of Way summary sheet		Parcel	2	2	4
65	Generate Right of Way strip map (scale 1" = xxx')		Sheet	1	4	4
66	Prepare Right of Way Plans Submittal		LS	0	0	0
67	Right of Way revisions after Right of Way submittal		LS	0	0	0
R/W PLANS MISCELLANEOUS						
68	Deed Research for Existing Alignments		LS			0
69	Deed Research for Existing Parcels		Parcel			0
70	Prepare Legal Descriptions for Right of Way transfer		Parcel			0
71	Prepare Plats		No.	2	16	32
72						0
						0
						0
RIGHT OF WAY PLANS TOTAL						68



FINAL PLAN PREPARATION					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
80	Computer setup	LS			0
81	Update existing topography and terrain model	Mile			0
82	Refine alignments (horizontal & vertical)	Mile	0.25	8	2
83	Develop pavement design	No.	0.25	8	2
84	Finalize templates & transitions	No.			0
85	Develop final roadway model	Mile			0
86	Develop proposed design	Mile			0
87	Generate plan sheets (scale 1" = 20')	Sheet	1	8	8
88	Generate profile sheets (scale 1" = 20')	Sheet	1	8	8
89	Detail cross sections (scale 1" = 10')	No.	7	1	7
90	Design entrances	No.			0
91	Revise roadway plans from soils report	Mile			0
DRAINAGE					
92	Develop pipe sections (< 54")	No.	4	4	16
93	Develop drainage system map	Mile	0.5	16	8
94	Develop drainage situation (bridge)	No.			0
95	Develop drainage situation (culvert)	No.			0
96	Develop blue line stream channel change (>= 200')	No.			0
97	Drainage analysis (entrance pipes)	No.			0
98	Drainage analysis (A <= 200 acres)	No.			0
99	Drainage analysis (200 acres < A < 1.0 sq. mile)	No.			0
100	Drainage analysis (A = > 1.0 sq. mile) level 1 analysis	No.			0
101	Drainage analysis (A = > 1.0 sq. mile) level 2 analysis	No.			0
102	Drainage analysis (A = > 1.0 sq. mile) level 3 analysis	No.			0
103	Special drainage studies	No.	1	8	8
104	Roadway ditches and channels	Mile			0
105	Develop Erosion Control Plan	Mile	0.25	16	4
106	Inlet spacing calculations	No.	6	1.25	8
107	Storm sewers calculations	No.	6	1.25	8
108	Perform scour analysis	No.			0
109	Assemble preliminary and final drainage folders	LS	0	0	0
110	Prepare advanced situation folder - bridge	No.			0
111	Prepare advanced situation folder - culvert	No.			0
DRAINAGE MISCELLANEOUS					
112					0
113					0
114		LS			
115					0

FINAL PLAN PREPARATION (Continued)					
No.	ITEM	UNIT	AMOUNT	HRS/UNIT	HOURS
116	Prepare layout sheet	LS			0
117	Prepare typical sections	No.			0
118	Prepare Interchange geometric approval	No.			0
119	Prepare intersection geometric approval	No.			0
120	Prepare coordinate control sheet	Mile	0.25	8	2
121	Prepare elevation developments	No.	1	8	8
122	Prepare striping plan	No.			0
123	Calculate final quantities	Mile	0.25	32	8
124	Complete general summary	LS	0	0	0
125	Complete paving summary	LS	0	0	0
126	Complete drainage summary	LS	0	0	0
127	Complete pavement under-drain summary	LS			0
128	Prepare cost estimate	LS	0	0	0
129	Plot/print copies of plans	LS	0	0	0
130	Plan revisions	Mile	0	0	0
131	Prepare final construction plans submittal	LS	0	0	0
MAINTENANCE OF TRAFFIC					
132	Write maintenance of traffic notes (TCP)	LS	1	4	4
133	Prepare construction phasing plans	Mile	0.5	24	12
134	Develop diversion plan sheets	Sheet	2	6	12
135	Develop diversion profile sheets	Sheet			0
136	Develop diversion cross sections	No.			0
137	Develop temporary drainage	No.			0
FINAL PLANS MISCELLANEOUS					
138	Document available rock quantities	LS			0
139	Pavement Design Additional Investigation and Study	LS	1	4	4
140	Signal Pole Relocation Plan Set for Citation and Russell Cave Road	LS	1	80	80
141					0
142					0
143					0
FINAL PLANS TOTAL					209

MEETINGS						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
150	Prelim. line and grade inspection	2	No.			0
151	Drainage inspection	2	No.			0
152	Final inspection	2	No.			0
153	Misc. project coordination meetings	2	No.	0	0	0
154	Project team meetings	2	No.	0	0	0
MEETINGS MISCELLANEOUS						
155	Value Engineering Study		LS			0
156	Constructability Review		LS			0
MEETINGS TOTAL						0
PUBLIC INVOLVEMENT						
No.	ITEM	PERSONS	UNIT	AMOUNT	HRS/UNIT	HOURS
160	Develop and Maintain Mailing List		LS			0
161	Prepare for Advisory Committee/Officials Meeting		No.			0
162	Attend Advisory Committee/Officials Meeting	2	No.			0
163	Prepare for Public Meetings/Hearings		No.			0
164	Attend Public Meetings/Hearings	2	No.			0
165	Prepare and Distribute Newsletter		No.			0
166	Property owner coordination		No.			0
PUBLIC INVOLVEMENT MISCELLANEOUS						
167						0
168						0
169						0
PUBLIC INVOLVEMENT TOTAL						0
QA/QC						
No.	ITEM		UNIT	AMOUNT	HRS/UNIT	HOURS
180	Plan review		LS	0	0	0
181	Structure review					0
QA/QC TOTAL						0



PRODUCTION-HOUR SUMMARY		
SURVEY TOTAL		94
LINE AND GRADE TOTAL		16
UTILITY COORDINATION TOTAL		8
RIGHT OF WAY PLANS TOTAL		68
FINAL PLANS TOTAL		209
MEETINGS TOTAL		0
PUBLIC INVOLVEMENT TOTAL		0
QA/QC TOTAL		0
GRAND TOTAL		395

# CONTRACT HISTORY FORM

Project Name: Citation Boulevard Phase III B

Contractor: HDR Engineering, Inc.

Contract Number and Date: 305-2022 December 7, 2022

Responsible LFUCG Division: Division of Engineering

## CONTRACT AND MODIFICATION DETAILS

A. Original Contract Amount: \$ 249,802.00  
Next Lowest Bid Amount:  
NA

B. Amount of Selected Alternate or Phase: \$ 0.00

Cumulative Amount of All Previous Alternates or  
C. Phases: \$ 0.00

D. Amended Contract Amount: \$ 249,802.00


E. Cumulative Amount of All Previous Change Orders: \$ 0.00 0.0%  
(Line E / Line D)

F. Amount of This Change Order: \$ 75,321.00 30.2%  
(Line F / Line D)

G. Total Contract Amount: \$ 325,123.00

## SIGNATURES

Project Manager:

  
Andrew Grunwald, P.E.


Date: 5/15/2025

Reviewed by:

  
Mark Feibes, P.E.

Date: 05/15/25

Division Director:

  
W. Douglas Burton, P.E.

Date: 5/15/25