# **CONTRACT HISTORY FORM**

| Project Name:               | Citation Boulevard      | Phase III A   |
|-----------------------------|-------------------------|---------------|
| Contractor:                 | HDR Engineering, I      | nc.           |
| Contract Number and Date:   | 084-2018                | April 26,2018 |
| Responsible LFUCG Division: | Division of Engineering |               |

# CONTRACT AND MODIFICATION DETAILS

| A. Original Contract Amount:<br>Next Lowest Bid Amount:<br>NA | \$  | 366,360.00 |                                   |
|---|-----|------------|-----------------------------------|
| B. Amount of Selected Alternate or Phase:                     | \$  | 0.00       |                                   |
| Cumulative Amount of All Previous Alternates or C. Phases:    | \$  | 0.00       |                                   |
| D. Amended Contract Amount:                                   | \$_ | 366,360.00 |                                   |
| E. Cumulative Amount of All Previous Change Orders:           | \$  | 0.00       | <b>0.0%</b><br>(Line E / Line D)  |
| F. Amount of This Change Order:                               | \$  | 85,020.00  | <b>23.2%</b><br>(Line F / Line D) |
| G. Total Contract Amount:                                     | \$  | 451,380.00 |                                   |

# **SIGNATURES**

Date: DEL 9, 20 24

Project Manager:

Reviewed by:

**Division Director:** 

Andrew Grunwald, P.E.

W. Douglas Burgen, P.E.

Mark Feibes, P.E

Date: 12/10/24Date: 12/10/24

|                 | LEXINGTON-FAYETTE URBAN COUNTY  | Date:   | December 4, 2024                                      |        |
|-----------------|---|---|---|--------|
| ິ<br>ຮ          |   | Project:  | Citation Boulevard P-IIIA                             |        |
|                 | Page 1 of 2   | Location:   | Citation Boulevard                                    |        |
| To (Co<br>HDR E | To (Contractor):<br>HDR Encineering Inc   | Contract No.  | 084-2018  |        |
| 333 W.          | 333 W. Vine Street, Suit 1400   | Original Contract Amt.                              | \$366,360.00  |        |
| Lexing          | Lexington KY 40507  | Cumulative Amount of<br>Previous Change Orders      | \$0.00  |        |
|                 |   | Percent Change - Previous<br>Change Orders          |   | 0.00%  |
|                 |   | Total Contract Amount Prior<br>to this Change Order | \$366,360.00  |        |
|                 |   | Contract Mod No.                                    | -   |        |
|                 | You are hereby requested to comply with the following changes from the original contract and Scope of Work; | owing changes from the origin:                      | al contract and Scope of Work;                        |        |
|                 | Curr  | Current Change Order                                |   |        |
| Item<br>No.     | Description of changes-quantities, unit prices, change in completion date, etc.                             | Decrease in contract price                          | Increase in contract price                            |        |
| -               | Design Services for Citation Boulevard Phase - IIIA   |   | \$85,020.00   |        |
|                 |   |   |   |        |
|                 | Total decrease  | \$0.00  |   |        |
|                 | Total increase  |   | \$85,020.00   |        |
|                 | Net Amount of this Change Order   | \$85,020.00   | ****  |        |
|                 | New Contract Amount Including this<br>Change Order  | \$451,380.00  |   |        |
|                 | Percent Change - This Change Order  |   |   | 23.21% |
|                 | Percent Change - All Change Orders  |   |   | 23.21% |
|                 | The time provided for the completion in the contract  |   | and all provisions of the contract will apply hereto. |        |
| Recol           | Recommended by the Ar Cr  | K M Proj. Engr.)                                    | MProj. Engr.) Date DEC 4, 2024                        |        |
| Accer           | Accepted by   | (Contractor)  | Date 12.4.24  |        |
| Appro           | Approved by   | (Director)  | Date 12/10/24   |        |
| Appro           | Approved by Thursday Thursday   | (Commissioner)                                      | Date 12/11/24   |        |
| Appro           | Approved by U   | (Mayor or CAO)                                      | Date  |        |

|      |   | Page 2 of 2  |
|------|---|--|
|      |   | PROJECT: Citation Boulevard Phase IIIA   |
| J    | USTIFICATION FOR CHANGE   | CONTRACT NO.: 084-2018   |
|      |   | CONTRACT MOD: 1  |
| 1.   |   | orate design changes from Right-of-Way Acquisition,<br>difications, modifications to alignment, and additional |
| 2.   | Is proposed change an alternate                                       | bid? Yes X No  |
| 3.   | Will proposed change alter the pl                                     | hysical size of the project?Yes _X_No  |
|      | lf "Yes", explain.  |  |
| 4.   | Effect of this change on other pri                                    | me contractors: N/A  |
| 5.   | Has consent of surety been obtain                                     | ined? Yes X Not Necessary  |
| 6.   | Will this change affect expiration                                    | or extent of insurance coverage? <u>X</u> Yes <u>No</u>  |
|      | If "Yes", will the policies be exten                                  | ded? <u>X</u> Yes <u>No</u>  |
| 7.   | Effect on operation and maintena                                      | ance costs: N/A  |
| 8.   | Effect on contract completion dat<br>Change Order Council Ratificatio | e: Completion date will be extended 360 days from<br>n.  |
| Mayo | or or CAO   | Date   |

# **Attachment - A**

# Citation Boulevard Phase IIIA Contract Modification #1 Scope Summary

# Survey: 48 hours

• These hours are for the eventual staking of the revised right of way plats on PHIIA: Parcel 136, 137, and 139.

## Right of Way Plans: 190 hours

• These hours are for additional Right of Way Plan preparation work for the shifted alignment, the Red Cross Entrance, the Winburn Bus lane, the Asbury Lane Route addition, and the PHIIIA parcels edited by the Basin/Drainage: Parcel 102, 136, 137, 139, 145, and 149.

## Final Plan Preparation: 193 hours

- These hours are for the Phase IIIA drainage changes and rerouting required for the addition of the basin, the shifted alignment, the addition of Asbury Lane.
- These hours are for the requested basin regrading to reduce footprint.
- These hours are for plan and design work related to the Red Cross Entrance and the Winburn School bus entrance.

# QA/QC: 8 hours

• These hours are for detail checking, QC, and QA for the work mentioned above in the revised scope.



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

TC 40-2

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| SECTION 1: PROJECT INFORMATION |
|--------------------------------|
|--------------------------------|

| DATE:    | Dec 6, 2024      | COUNTY:         | Fayette                                      | ITEM #:     | 7-447               |
|----------|------------------|-----------------|--|-------------|---------------------|
| PROJECT: | Citation Bouleva | rd Phase III-A  |  |             |                     |
| DESC:    | Contract Mod. #  | 1: Align, Shift | . Basin Edit, Drainage Impacts, Red Cross En | it Win. Sch | nool Ln. Asbury Ln. |

#### **SECTION 2: BUDGET INFORMATION**

| FEE CONSIDERATIONS                          | PROPOSED<br>HOURS | NEGOTIATED<br>HOURS | A  | VERAGE<br>RATE | E  | STIMATED<br>COST |
|---|-------------------|---------------------|----|----------------|----|------------------|
| Survey                                      | 48                |                     | \$ | 52.34          | \$ | 2,512.32         |
| Right-of-Way Plans                          | 190               |                     | \$ | 65.36          | \$ | 12,418.40        |
| Final Plans                                 | 193               |                     | \$ | 65.36          | \$ | 12,614.48        |
| QA/QC                                       | 8                 |                     | \$ | 76.73          | \$ | 613.84           |
|   |                   |                     |    |                | \$ | -                |
|   |                   |                     |    |                | \$ | -                |
|   |                   |                     |    |                | \$ | -                |
|   |                   |                     |    |                | \$ | -                |
|   |                   |                     |    |                | \$ | -                |
|   |                   |                     |    |                | \$ | -                |
| <b>TOTAL PRODUCTION HOURS &amp; PAYROLL</b> | 439               |                     |    |                | \$ | 28,159.04        |

| OVERHEAD (    | 157.94 % <b>)</b> | \$<br>44,474.39 |
|---------------|-------------------|-----------------|
| PROFIT (      | 15.00 % <b>)</b>  | \$<br>10,895.01 |
| COST OF MONEY | 0.45 %)           | \$<br>127.42    |

| DIRECT COSTS            | AMOUNT |          |
|-------------------------|--------|----------|
| Mileage                 | \$     | 487.20   |
| Meals                   | \$     | 60.00    |
| Survey Crew Travel Time | \$     | 816.50   |
| Lodging                 | \$     | -        |
| Printing and/or Misc.   | \$     | -        |
| TOTAL DIRECT COSTS      | \$     | 1,363.70 |

| SUBCONSULTANTS       | AMOUNT |
|----------------------|--------|
|                      |        |
|                      |        |
|                      |        |
|                      |        |
|                      |        |
| TOTAL SUBCONSULTANTS | \$-    |

|           | - |        |
|-----------|---|--------|
| TOTAL FEE | Ś | 85.020 |

\*Rounded to the nearest dollar

| SECTION 3: SIGNATURE |
|----------------------|
|----------------------|

| FIRM NAME: HDR ENGINEERING, INC. | SIGNED BY: Kyle R. Gut      | thrie |
|----------------------------------|-----------------------------|-------|
|                                  | Vice President/Area Manager |       |
| CONSULTANT SIGNATURE             | 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-A 7-447

|                           | 1  | 2/6/2024   | Es    | calated Rate | %              |             |
|---------------------------|----|------------|-------|--------------|----------------|-------------|
| Position                  |    | Rate       |       | 2.493%       | Classification | Cost        |
|                           |    | Surv       | ey    | 1            |                |             |
| Principal Project Manager | \$ | 103.34     | \$    | 105.92       | 10%            | \$<br>10.59 |
| Project Manager Sr. 1     | \$ | 61.20      | \$    | 62.73        | 30%            | \$<br>18.82 |
| Graphic Designer Sr       | \$ | 48.45      | \$    | 49.66        | 30%            | \$<br>14.90 |
| Survey Technician         | \$ | 26.14      | \$    | 26.79        | 30%            | \$<br>8.04  |
| Average Rate              |    |            |       |              | 100%           | \$<br>52.34 |
|                           |    | Right Of W | ay Pl | ans          |                |             |
| Principal Project Manager | \$ | 103.34     | \$    | 105.92       | 10%            | \$<br>10.59 |
| Project Manager Sr. 2     | \$ | 74.16      | \$    | 76.01        | 30%            | \$<br>22.80 |
| Project Engineer 2        | \$ | 51.98      | \$    | 53.28        | 60%            | \$<br>31.97 |
| Average Rate              |    |            |       |              | 100%           | \$<br>65.36 |
|                           |    | Final P    | lans  |              |                |             |
| Principal Project Manager | \$ | 103.34     | \$    | 105.92       | 10%            | \$<br>10.59 |
| Project Manager Sr. 2     | \$ | 74.16      | \$    | 76.01        | 30%            | \$<br>22.80 |
| Project Engineer 2        | \$ | 51.98      | \$    | 53.28        | 60%            | \$<br>31.97 |
| Average Rate              |    |            |       |              | 100%           | \$<br>65.36 |
|                           |    | QA/C       | 2C    |              |                |             |
| Principal Project Manager | \$ | 103.34     | \$    | 105.92       | 10%            | \$<br>10.59 |
| Project Manager Sr. 2     | \$ | 74.16      | \$    | 76.01        | 80%            | \$<br>60.81 |
| Project Engineer 2        | \$ | 51.98      | \$    | 53.28        | 10%            | \$<br>5.33  |
| Average Rate              |    |            |       |              | 100%           | \$<br>76.73 |

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

| <ul> <li>Notice to Proceed</li> </ul>    | 11/1/2024    |  |
|--|--------------|--|
| <ul> <li>Midpoint of Project</li> </ul>  | 2/22/2025    |  |
| Final Plans                              | 6/15/2025    |  |
|  |              |  |
| <ul> <li>Audited Rates as of:</li> </ul> | 8/24/2024    |  |
| <ul> <li>Midpoint of Project</li> </ul>  | 2/22/2025    |  |
| • Days (7/29/2023 to Midpoint) =         | 182          |  |
|  |              |  |
| 182                                      | Davs ÷ 365 = |  |

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

|           | PRODUCTION  |                     | vised 7/14) |                 |           |
|-----------|---|---------------------|-------------|-----------------|-----------|
| COUNTY    | Fayette   | PROJECT TYPE        |             |                 |           |
| ROUTE     | Citation Boulevard Phase III-A                            | CONSULTANT          |             | HDR Engineering | g, Inc.   |
|           | Contract Mod. #1: Align. Shift, Basin Edit, Drainage      | REVIEWED BY         |             |                 |           |
| DESC      | Impacts, Red Cross Ent., Win. School Ln, Asbury Ln.       |                     |             |                 |           |
| -200      |   |                     |             |                 |           |
| TEM NO.   | 7-447   | PREPARED BY<br>DATE |             | 12/6/2024       |           |
| TEIVI NO. | 1-441   | DATE                |             | 12/0/2024       |           |
|           | SURVEY  | ,                   |             |                 |           |
| No.       | ITEM  | CREW                | UNIT        | AMOUNT HRS/UN   | NIT HOURS |
|           | RECONNAISSAN  | ICE                 |             |                 |           |
| 1         | Control - (existing)                                      | 1                   | Mile        |                 |           |
| 2         | Utilities - (data gathering, identification & contact)    | 1                   | No.         |                 |           |
| 3         | Drainage - (sink holes, streams, pipes, etc.)             | 1                   | Mile        |                 |           |
|           | CONTROL   | 1                   |             |                 |           |
| 4         | Horizontal  | 2                   | Mile        |                 |           |
| 5         | Vertical  | 2                   | Mile        |                 |           |
| 6         | Process data  | 1                   | Mile        |                 |           |
|           | PLANIMETRIC SUF   | RVEY                | 1           |                 |           |
| 7         | Planimetric location (specify complete, pickup or update) | 2                   | Mile        |                 |           |
| . 8       | Subsurface Utility Engineering, Quality Levels C & D      | 1                   | Mile        |                 |           |
| 9         | Subsurface Utility Engineering, Quality Level B           | 1                   | LS          |                 |           |
| 10        | Subsurface Utility Engineering, Quality Level A           | 1                   | LS          |                 |           |
| 10        | Process data  | 1                   | Mile        |                 |           |
|           | TERRAIN SURV  |                     |             |                 |           |
| 12        | DTM data collection (Items 11-18 not required if used)    | 2                   | Acre        |                 |           |
| 13        | Verify terrain model accuracy                             | 2                   | Mile        |                 |           |
| 14        | Tie-ins   | 2                   | No.         |                 |           |
| 15        | Drainage situations survey (Bridge)                       | 2                   | No.         |                 |           |
| 16        | Drainage situations survey (Culvert)                      | 2                   | No.         |                 |           |
| 17        | Drainage pipe section (non-situation size)                | 2                   | No.         |                 |           |
| 18        | Flood plain data  | 2                   | No.         |                 |           |
| 19        | Railroad Surveys  | 2                   | No.         |                 |           |
| 20        | Additional necessary DTM data (specify pickup or update)  | 2                   | Acre        |                 |           |
| 20        | Process data  | 1                   | Mile        |                 |           |
| 21        | ESTABLISH PROPERTY LINES                                  |                     |             |                 |           |
| 22        | Contact & Interview Property Owners                       | 1                   | Parcel      |                 |           |
| 23        | Field tie property lines/corners                          | 2                   | Parcel      |                 |           |
| 20        | STAKING   | _                   |             |                 |           |
| 24        | Stake centerlines, approaches, detours                    | 2                   | Mile        |                 |           |
| 24        | Stake core holes - structures (unit is per structure)     | 2                   | No.         |                 |           |
| 25        | Stake core holes - roadway (unit is per core hole)        | 2                   | No.         |                 |           |
| 20        | SURVEY MISCELLAI  |                     | 110.        |                 | 1         |
| 27        | Determine roadway elevations (Crown and EP)               | 2                   | Mile        |                 |           |
| 28        | Environmental areas                                       | 2                   | No.         |                 |           |
| 20        | Set Property Corner Pins for R/W Acquisition              | 2                   | Parcel      | 3               | 8 4       |
| <u> </u>  |   | <u>د</u>            |             |                 |           |
|           | SURVEY TOT  | ΑΙ                  | 1           | 1               | 4         |
|           | 55KVET TOT  |                     |             |                 |           |

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

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| No. | ITEM  | PERSONS       | UNIT   | AMOUNT | HRS/UNIT | HOURS |
|-----|---|---------------|--------|--------|----------|-------|
| 56  | Utility Coordination Meeting                          | 2             | No.    |        |          |       |
| 57  | Develop Utility Relocation Layout Sheets (1"=200')    |               | Mile   |        |          |       |
| 58  | Develop Utility Relocation Plans (1"=50')             |               | Mile   |        |          |       |
|     | UTILITY COORDINATION M                                | IISCELLANEOUS |        | 1      |          |       |
| 59  |   |               |        |        |          |       |
|     | UTILITY COORDINATION TOTAL                            |               |        |        |          | (     |
|     | RIGHT OF WA   |               |        |        |          |       |
| No. |   |               | UNIT   | AMOUNT | HRS/UNIT | HOURS |
| 60  | Deed research   |               | Parcel | 0      |          | Hooke |
| 61  | Establish property and ownership                      |               | Parcel | 0      |          |       |
| 62  | Calculate Right of Way                                |               | Parcel | 6      | -        | 2     |
| 63  | Prepare legal descriptions                            |               | Parcel | 6      | 6        | 3     |
| 64  | Complete Right of Way summary sheet                   |               | Parcel | 6      | 1        |       |
| 65  | Generate Right of Way strip map (scale $1'' = 100'$ ) |               | Sheet  | 1      | 4        |       |
| 66  | Prepare Right of Way Plans Submittal                  |               | LS     | 1      | 8        |       |
| 67  | Right of Way revisions after Right of Way submittal   |               | LS     | 1      | 16       | 1     |
|     | R/W PLANS MISCEL                                      | LANEOUS       |        |        |          |       |
| 68  | Deed Research for Existing Alignments                 |               | LS     |        |          |       |
| 69  | Deed Research for Existing Parcels                    |               | Parcel |        |          |       |
| 70  | Prepare Legal Descriptions for Right of Way transfer  |               | Parcel |        |          |       |
| 71  | Prepare Plats   |               | Parcel | 6      | 16       | ç     |
| 72  |   |               |        |        |          |       |
|     |   |               |        |        |          |       |
|     |   |               |        |        |          |       |
|     | RIGHT OF WAY PL                                       |               |        |        |          |       |

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| No. | ITEM  | UNIT  | AMOUNT HR | S/UNIT | HOU   |
|-----|---|-------|-----------|--------|-------|
| 80  | Computer setup  | LS    |           |        |       |
| 81  | Update existing topography and terrain model            | Mile  |           |        |       |
| 82  | Refine alignments (horizontal & vertical)               | Mile  | 0.5       | 16     | ***** |
| 83  | Develop pavement design                                 | No.   |           |        |       |
| 84  | Finalize templates & transitions                        | No.   | 3         | 2      |       |
| 85  | Develop final roadway model                             | Mile  | 0.5       | 8      |       |
| 86  | Develop proposed design                                 | Mile  | 0.5       | 8      |       |
| 87  | Generate plan sheets (scale $1'' = 20'$ )               | Sheet | 5         | 5      |       |
| 88  | Generate profile sheets (scale 1" = 20')                | Sheet | 5         | 3      |       |
| 89  | Detail cross sections (scale $1'' = 5'$ )               | No.   | 12        | 1      |       |
| 90  | Design entrances  | No.   |           |        |       |
| 91  | Revise roadway plans from soils report                  | Mile  |           |        |       |
|     | DRAINAGE  |       |           |        |       |
| 92  | Develop pipe sections (< 54")                           | No.   | 10        | 4      |       |
| 93  | Develop drainage system map                             | Mile  | 0.5       | 16     |       |
| 94  | Develop drainage situation (bridge)                     | No.   |           |        |       |
| 95  | Develop drainage situation (culvert)                    | No.   |           |        |       |
| 96  | Develop blue line stream channel change ( => 200')      | No.   |           |        |       |
| 97  | Drainage analysis (entrance pipes)                      | No.   |           |        |       |
| 98  | Drainage analysis (A < = 200 acres)                     | No.   |           |        |       |
| 99  | Drainage analysis (200 acres < A < 1.0 sq. mile)        | No.   |           | 1      |       |
| 100 | Drainage analysis (A = > 1.0 sq. mile) level 1 analysis | No.   |           |        |       |
| 101 | Drainage analysis (A = > 1.0 sq. mile) level 2 analysis | No.   |           |        |       |
| 102 | Drainage analysis (A = > 1.0 sq. mile) level 3 analysis | No.   |           |        |       |
| 103 | Special drainage studies                                | No.   |           |        |       |
| 104 | Roadway ditches and channels                            | Mile  |           |        |       |
| 105 | Develop Erosion Control Plan                            | Mile  |           |        |       |
| 106 | Inlet spacing calculations                              | No.   | 14        | 1      |       |
| 107 | Storm sewers calculations                               | No.   | 14        | 1      |       |
| 108 | Perform scour analysis                                  | No.   |           |        |       |
| 109 | Assemble preliminary and final drainage folders         | LS    | 0         | 0      |       |
| 110 | Prepare advanced situation folder - bridge              | No.   |           |        |       |
| 111 | Prepare advanced situation folder - culvert             | No.   |           |        |       |
|     | DRAINAGE MISCELLANEOUS                                  |       |           | -      |       |
| 112 |   |       | 4         |        |       |
| 113 |   |       |           |        |       |
| 114 |   | LS    |           |        |       |
| 115 |   |       |           |        | ***** |

#### FINAL PLAN PREPARATION (Continued)

| No. | ITEM   | UNIT  | AMOUNT | HRS/UNIT | HOUR |
|-----|--|-------|--------|----------|------|
| 116 | Prepare layout sheet                               | LS    |        |          |      |
| 117 | Prepare typical sections                           | No.   |        |          | [    |
| 118 | Prepare Interchange geometric approval             | No.   |        |          |      |
| 119 | Prepare intersection geometric approval            | No.   |        |          |      |
| 120 | Prepare coordinate control sheet                   | Mile  | 0.5    | 6        |      |
| 121 | Prepare elevation developments                     | No.   | 1      | 8        |      |
| 122 | Prepare striping plan                              | No.   |        |          |      |
| 123 | Calculate final quantities                         | Mile  | 0.5    | 16       |      |
| 124 | Complete general summary                           | LS    | 1      | 4        |      |
| 125 | Complete paving summary                            | LS    | 1      | 4        |      |
| 126 | Complete drainage summary                          | LS    | 1      | 4        |      |
| 127 | Complete pavement under-drain summary              | LS    |        |          |      |
| 128 | Prepare cost estimate                              | LS    | 1      | 4        |      |
| 129 | Plot/print copies of plans                         | LS    | 1      | 4        |      |
| 130 | Plan revisions                                     | Mile  | 0      | 0        |      |
| 131 | Prepare final construction plans submittal         | LS    | 0      | 0        |      |
|     | MAINTENANCE OF TRAFFIC                             |       |        |          |      |
| 132 | Write maintenance of traffic notes (TCP)           | LS    |        |          |      |
| 133 | Prepare construction phasing plans                 | Mile  |        |          |      |
| 134 | Develop diversion plan sheets                      | Sheet |        |          |      |
| 135 | Develop diversion profile sheets                   | Sheet |        |          |      |
| 136 | Develop diversion cross sections                   | No.   |        |          |      |
| 137 | Develop temporary drainage                         | No.   |        |          | 1    |
|     | FINAL PLANS MISCELLANEOUS                          |       |        |          |      |
| 138 | Document available rock quantities                 | LS    |        |          |      |
| 139 | Pavement Design Additional Investigation and Study | LS    | 1      | 4        |      |
| 140 |  |       |        |          | 1    |
| 141 |  |       |        |          |      |
| 142 |  |       |        |          |      |
| 143 |  |       |        |          |      |
|     | FINAL PLANS TOTAL                                  |       |        |          | 1    |

|     | MEETING  | SS          |   |      |        |          |       |
|-----|--|-------------|---|------|--------|----------|-------|
| 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        | C     |
| 154 | Project team meetings                            |             | 2 | No.  | 0      | 0        | C     |
|     | MEETINGS MISCELI                                 | LANEOUS     |   |      |        |          |       |
| 155 | Value Engineering Study                          |             |   | LS   |        |          | C     |
| 156 | Constructability Review                          |             |   | LS   |        |          | C     |
|     | MEETINGS TO                                      | DTAL        |   |      |        |          | 0     |
|     | PUBLIC INVOL                                     | VEMENT      |   |      |        |          |       |
| No. | ITEM   | PERSONS     |   | UNIT | AMOUNT | HRS/UNIT | HOURS |
| 160 | Develop and Maintain Mailing List                |             |   | LS   |        |          | C     |
| 161 | Prepare for Advisory Committee/Officials Meeting |             |   | No.  |        |          | C     |
| 162 | Attend Advisory Committee/Officials Meeting      |             | 2 | No.  |        |          | C     |
| 163 | Prepare for Public Meetings/Hearings             |             |   | No.  |        |          | C     |
| 164 | Attend Public Meetings/Hearings                  |             | 2 | No.  |        |          | C     |
| 165 | Prepare and Distribute Newsletter                |             |   | No.  |        |          | C     |
| 166 | Property owner coordination                      |             |   | No.  |        |          | (     |
|     | PUBLIC INVOLVEMENT MI                            | SCELLANEOUS |   |      |        |          |       |
| 167 |  |             |   |      |        |          | (     |
| 168 |  |             |   |      |        |          | (     |
| 169 |  |             |   |      |        |          |       |
|     | PUBLIC INVOLVEME                                 | ENT TOTAL   |   |      |        |          | 0     |
|     |  |             |   |      |        |          |       |
|     | QA/QC  | ;           |   |      |        |          |       |
| No. | Γ  | TEM         |   | UNIT | AMOUNT | HRS/UNIT | HOURS |
| 180 | Plan review                                      |             |   | LS   | 1      | 8        | 8     |
| 181 | Structure review                                 |             |   |      |        |          | (     |
|     | QA/QC TOT  | AL          |   |      |        |          | 8     |
|     |  |             |   |      |        |          |       |
|     |  |             |   |      |        |          |       |

| PRODUCTION-HOUR SUMMARY    |    |
|----------------------------|----|
| SURVEY TOTAL               | 4  |
| LINE AND GRADE TOTAL       |    |
| UTILITY COORDINATION TOTAL |    |
| RIGHT OF WAY PLANS TOTAL   | 19 |
| FINAL PLANS TOTAL          | 19 |
| MEETINGS TOTAL             |    |
| PUBLIC INVOLVEMENT TOTAL   |    |
| QA/QC TOTAL                |    |
| GRAND TOTAL                | 4: |



Jim Gray SECRETARY

#### MEMORANDUM

| TO: | Eric Pelfrey, Director            |
|-----|-----------------------------------|
|     | Division of Professional Services |

FROM: Stephanie L. Banks, Audit Manager Stephanie & Banks External Audit Branch

DATE: August 1, 2024

Andy Beshear

GOVERNOR

SUBJECT: HDR Engineering Services Acceptance of 2023 Cognizant Rate

We have received a cognizant letter for HDR Engineering Services' (Company) year ended December 30, 2023 Statement of Direct Labor, Fringe Benefits, and General Overhead and Schedule of Facilities Capital Cost of Money Prepared in Accordance with the Federal Acquisition Regulation Part 31 from the Nebraska Department of Transportation.

We recommend the Kentucky Transportation Cabinet use the following rates:

| Indirect Cost:                    | 157.94% |
|-----------------------------------|---------|
| Facilities Capital Cost of Money: | 0.4525% |

We recommend the Kentucky Transportation Cabinet verify pay rates per classification to their payroll register at a later date.

This memorandum is intended solely for the use and information of the Company and the Kentucky Transportation Cabinet related to contracts employing the cost principles of the Federal Acquisition Regulations and should not be used for any other purpose.

SLB

Attachments





Andy Beshear GOVERNOR

200 Mero Street Frankfort, Kentucky 40601

TRANSPORTATION CABINET

Jim Gray SECRETARY

#### **INTRA-DEPARTMENTAL MEMO**

| TO: | Eric Pelfrey, Director            |
|-----|-----------------------------------|
|     | Division of Professional Services |

- FROM: Stephanie L. Banks Stephanie & Banks Internal Audit Supervisor, External Audit Branch Division of Audit Services Office of Audits
- DATE: September 23, 2024
- SUBJECT: Schedule of Current Personnel As of August 24, 2024

Below is a listing of current classification and pay rates for HDR Engineering Services. We verified these pay rates during our Cognizant Acceptance of their Year Ended December 30, 2023 Indirect Cost Rate. This information is subject to the federal privacy laws and should be used solely by the Kentucky Transportation Cabinet and the Federal Highway Administration.

| <b>Classification</b>                | <b>Hourly Rate</b> | <b>Classification</b>       | Hourly Rate |
|--------------------------------------|--------------------|-----------------------------|-------------|
| Accounting                           | \$33.30            | ITS Technical Leader        |             |
| Administration / Sr. Accounting      | \$47.05            | Laboratory Supervisor       | \$37.35     |
| Administrative Coordinator           | \$26.15            | Laboratory Technician       | \$21.63     |
| Archaeologist / Principal Investigat | or \$43.66         | Marketing                   | \$36.43     |
| Archaeology Technician               | \$29.64            | Municipal Advisor           | \$46.11     |
| Bridge EIT                           | \$37.97            | Municipal Advisor Sr        | \$81.74     |
| Bridge Engineer                      | \$46.91            | Planner                     | \$34.93     |
| Bridge Engineer Sr                   | \$81.61            | Planner / Urban Designer Sr | \$60.59     |
| CAD Technician                       | \$33.52            | Power Delivery Team Lead    | \$50.76     |
| Communications Coordinator           | \$33.74            | Principal Project Manager   | \$103.34    |
| Communications Lead                  | \$49.04            | Program Manager             | \$119.58    |
| Communications Lead Sr               | \$66.53            | Project Coordinator         | \$28.43     |
| Construction Administrator / Engin   | eer \$59.64        | Project Coordinator Sr      | \$37.41     |
| Construction Administrator / Overs   | ight \$89.70       | Project Engineer 1          | \$39.34     |
| Construction Inspector 1             | \$36.68            | Project Engineer 2          | \$51.98     |
| Construction Inspector 2             | \$43.44            | Project Engineer 3          | \$62.18     |



| Construction Inspector 3      | \$54.57 |
|-------------------------------|---------|
| Designer Sr. 1                | \$44.26 |
| Designer Sr. 2                |         |
| Easement Acquisition Designer | \$44.42 |
| EIT 1                         |         |
| EIT 2                         |         |
| Engineering / Technology Lead |         |
| Engineering Coordinator       | \$35.74 |
| Environmental Lead            | \$94.90 |
| Environmental Planner 1       | \$34.00 |
| Environmental Planner 2       | \$49.56 |
| Environmental Project Manager | \$53.70 |
| Environmental Scientist       |         |
| Environmental Scientist Sr.   | \$74.36 |
| Facilities Design Manager     | \$54.22 |
| Facilities Designer           |         |
| Geologist                     |         |
| Geologist Sr.                 |         |
| Geotechnical Engineer         | \$40.68 |
| Geotechnical Engineer Sr.     |         |
| Geotechnical Lead             |         |
| GIS Analyst                   | \$30.61 |
| GIS Analyst Sr.               |         |
| GIS Application / Developer   | \$62.22 |
| GIS Manager                   |         |
| Graphic Designer              |         |
| Graphic Designer Sr           |         |
| Intern                        |         |
|                               |         |

| Project Engineer 4 \$71.80                |
|---|
| Project Mgr. / Sr. Bridge Eng. 1 \$77.87  |
| Project Mgr. / Sr. Bridge Eng. 2 \$97.98  |
| Project Mgr. / Sr. Bridge Eng. 3 \$103.47 |
| Project Mgr. / Sr. Project Eng. 1 \$54.95 |
| Project Mgr. / Sr. Project Eng. 2 \$65.83 |
| Project Mgr. / Sr. Project Eng. 3 \$73.85 |
| Project Mgr. / Sr. Project Eng. 4 \$89.35 |
| Project Manager Assistant \$57.79         |
| Project Manager Sr. 1 \$61.20             |
| Project Manager Sr. 2 \$74.16             |
| Project Manager Sr. 3 \$91.82             |
| Project Scheduler \$54.98                 |
| Quality and Records Coordinator \$34.64   |
| Rail Project Engineer Sr \$80.22          |
| Railroad Specialist \$45.62               |
| Real Estate Services Agent \$40.96        |
| Real Estate Services Technician \$26.98   |
| Renewables Team Lead \$50.51              |
| ROW Agent \$43.27                         |
| ROW Coordinator \$53.95                   |
| ROW Project Manager \$60.67               |
| Substation Team Lead \$49.77              |
| Survey Technician \$26.14                 |
| TIM Specialist \$55.29                    |
| Transportation Planner 1 \$34.27          |
| Transportation Planner 2 \$44.57          |
| Transportation Planner Sr \$101.28        |

The average pay rates per classification have increased an average of 6.7% \* per year over the last two years.

\*Rate is limited to a maximum of 5.00%.