

BILL No. 1150

RESOLUTION No. 1150

A RESOLUTION OF THE CITY OF WEST PLAINS, MISSOURI AUTHORIZING THE CITY ADMINISTRATOR OR PUBLIC WORKS DIRECTOR TO EXECUTE AN AGREEMENT WITH HORNER & SHIFRIN, INC. FOR PROFESSIONAL ENGINEERING SERVICES FOR A SEWER LINE EXTENSION IN THE MASTERCRAFT AREA.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF WEST PLAINS, MISSOURI AS FOLLOWS:

Section 1: The City Administrator or Public Works Director is authorized and directed to execute an agreement with Horner & Shifrin, Inc. for a sewer line extension in the Mastercraft area of West Plains as identified in the attached agreement.

Section 2: The agreement for such engineering services shall be substantially the same in form and content as the attached agreement.

Section 3: This Resolution shall be in full force and effect from and after the date of its passage and approval.

PASSED AND APPROVED THIS 18TH DAY OF OCTOBER, 2021.

CITY OF WEST PLAINS, MISSOURI

BY: Michael Topliff
MAYOR MICHAEL TOPLIFF

ATTEST:

Allison Skinner
CITY CLERK ALLISON SKINNER



October 6, 2021

To: Sam Anselm, City Administrator
Jeff Shipley, Purchasing Agent

From: Jeff Hanshaw, Public Works Director

Re: Engineering design work for Sewer line extension in the Mastercraft development area.

Executive Summary

Public Works is requesting approval for Engineering design, by Horner Shifrin, of a sewer line extension in the Mastercraft development area. Horner Shifrin was selected as the engineering firm after a competitive Request For Qualifications (RFQ) process. This design will allow for updates and extensions in the described area for future development.

Discussion

The following descriptions for each area are noted below:

Mastercraft property

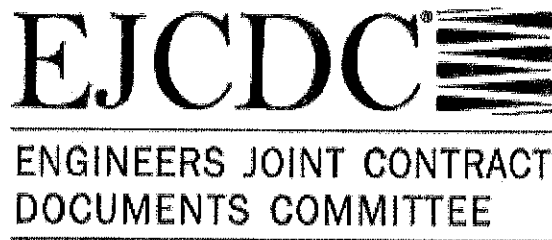
Upon accepting and serving utilities to the property located at 1521 S US Highway 63 also known as Cedarhurst. This made available city services adjacent to an already existing development also known as Supreme Kitchen and Bath. According to city annexation agreements and state statutes the property located at 1398 South Valley Road or Supreme Kitchen and Bath is in violation due to accepting and serving the Cedarhurst property, and will require city services to be extended to serve the area.

Fiscal Impact

The cost of this review and design by Horner Shifrin will be a lump sum \$40,000 and will be billed on a hourly rate based on the attached hourly schedule which will be monitored by City staff to not exceed appropriate boundaries for a job on this size and scope. This project was budgeted with funds from Sewer Department in Engineering and Contracted Services.

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the controlling Laws and Regulations.

**SHORT FORM OF AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR PROFESSIONAL SERVICES**



SPECIAL NOTE ON USE OF THIS FORM

This abbreviated Owner-Engineer Agreement form ("Short Form") is intended for furnishing professional services of limited scope and complexity. It does not address the full range of issues of potential importance to the parties. Depending on the scope and complexity of the services and the project, the Owner and Engineer may be better served by using the Agreement Between Owner and Engineer for Professional Services (EJCDC® E-500), or one of the several special-purpose EJCDC professional services agreement forms. EJCDC® E-001 provides information on these agreement forms.

For further discussion regarding the use of this document, see the Guidelines for Use of EJCDC® E-520, Short Form of Agreement Between Owner and Engineer for Professional Services, commencing on the following page.

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American Society of Civil Engineers
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SHORT FORM OF AGREEMENT BETWEEN OWNER AND ENGINEER FOR PROFESSIONAL SERVICES

This is an Agreement between **The City of West Plains, Missouri** (Owner) and Horner & Shifrin, Inc. (Engineer). Owner's Project, of which Engineer's services under this Agreement are a part, is generally identified as **West Plains Gravity Sewer Extension** (Project). Engineer's services under this Agreement (Services) are generally identified as **designing a gravity sewer line extensions for the Mastercraft area. This extension is further described as a portion of the Project Approach attached to this agreement as Appendix 2. The project includes design, EJCDC contract documents, Specifications, and Bidding Administration. Easement preparation, Construction Administration, and Construction Observation are excluded from this contract.**

Owner and Engineer further agree as follows:

1.01 Services of Engineer

- A. Engineer shall provide or furnish the Services set forth in this Agreement, and any Additional Services authorized by Owner and consented to by Engineer.

2.01 Owner's Responsibilities

- A. Owner shall provide Engineer with existing Project-related information and data in Owner's possession and needed by Engineer for performance of Engineer's Services. Owner will advise the Engineer of Project-related information and data known to Owner but not in Owner's possession. Engineer may use and rely upon Owner-furnished information and data in performing its Services, subject to any express limitations applicable to the furnished items.
 - 1. Following Engineer's assessment of initially-available Project information and data, and upon Engineer's request, Owner shall obtain, furnish, or otherwise make available (if necessary through retention of specialists or consultants) such additional Project-related information and data as is reasonably required to enable Engineer to complete its Services; or, with consent of Engineer, Owner may authorize the Engineer to obtain or provide all or part of such additional information and data as Additional Services.
- B. Owner shall provide necessary direction and make decisions, including prompt review of Engineer's submittals, and carry out its other responsibilities in a timely manner so as not to delay Engineer's performance. Owner shall give prompt notice to Engineer whenever Owner observes or otherwise becomes aware of (1) any relevant, material defect or nonconformance in Engineer's Services, or (2) any development that affects the scope or time of performance of Engineer's Services.

3.01 Schedule for Rendering Services

- A. Engineer shall complete its Services within the following specific time period: Engineer shall complete its Services within a commercially reasonable period of time.
- B. If, through no fault of Engineer, such periods of time or dates are changed, or the orderly and continuous progress of Engineer's Services is impaired, or Engineer's Services are

delayed or suspended, then the time for completion of Engineer's Services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.

4.01 Invoices and Payments

- A. Invoices: Engineer shall prepare invoices in accordance with its standard invoicing practices and submit the invoices to Owner on a monthly basis. Invoices are due and payable within 30 days of receipt.
- B. Payment: As compensation for Engineer providing or furnishing Services and Additional Services, Owner shall pay Engineer as set forth in this Paragraph 4.01, Invoices and Payments. If Owner disputes an invoice, either as to amount or entitlement, then Owner shall promptly advise Engineer in writing of the specific basis for doing so, may withhold only that portion so disputed, and must pay the undisputed portion.
- C. Failure to Pay: If Owner fails to make any payment due Engineer for Services, Additional Services, and expenses within 30 days after receipt of Engineer's invoice, then (1) the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day; (2) in addition Engineer may, after giving 7 days' written notice to Owner, suspend Services under this Agreement until Engineer has been paid in full all amounts due for Services, Additional Services, expenses, and other related charges, and in such case Owner waives any and all claims against Engineer for any such suspension; and (3) if any payment due Engineer remains unpaid after 90 days, Engineer may terminate the Agreement for cause pursuant to Paragraph 5.01.A.2.
- D. Reimbursable Expenses: Engineer is entitled to reimbursement of expenses only if so indicated in Paragraph 4.01.E or 4.01.F. If so entitled, and unless expressly specified otherwise, the amounts payable to Engineer for reimbursement of expenses will be the Project-related internal expenses actually incurred or allocated by Engineer, plus all invoiced external expenses allocable to the Project, including Engineer's subcontractor and subconsultant charges, with the external expenses multiplied by a factor of **1.10**.
- E. Basis of Payment
 1. Lump Sum. Owner shall pay Engineer for Services as follows:
 - a. A Lump Sum amount of **\$40,000.00**
 - b. In addition to the Lump Sum amount, reimbursement of the following expenses:
None.
 - c. The portion of the compensation amount billed monthly for Engineer's Services will be based upon Engineer's estimate of the percentage of the total Services actually completed during the billing period.
- F. Additional Services: For Additional Services, Owner shall pay Engineer an amount equal to the cumulative hours charged in providing the Additional Services by Engineer's employees, times standard hourly rates for each applicable billing class; plus reimbursement of expenses incurred in connection with providing the Additional Services. Engineer's standard hourly rates are attached as Appendix 1.

5.01 Termination

A. Termination for Cause

1. Either party may terminate the Agreement for cause upon 30 days' written notice in the event of substantial failure by the other party to perform in accordance with the terms of the Agreement, through no fault of the terminating party.
 - a. Notwithstanding the foregoing, this Agreement will not terminate under Paragraph 5.01.A.1 if the party receiving such notice begins, within 7 days of receipt of such notice, to correct its substantial failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt thereof; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30-day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein will extend up to, but in no case more than, 60 days after the date of receipt of the notice.
2. In addition to its termination rights in Paragraph 5.01.A.1, Engineer may terminate this Agreement for cause upon 7 days' written notice (a) if Owner demands that Engineer furnish or perform services contrary to Engineer's responsibilities as a licensed professional, (b) if Engineer's services for the Project are delayed or suspended for more than 90 days for reasons beyond Engineer's control, (c) if payment due Engineer remains unpaid for 90 days, as set forth in Paragraph 4.01.C, or (d) as the result of the presence at the Site of undisclosed Constituents of Concern as set forth in Paragraph 6.01.I.
3. Engineer will have no liability to Owner on account of any termination by Engineer for cause.

B. Termination for Convenience: Owner may terminate this Agreement for convenience, effective upon Engineer's receipt of notice from Owner.

C. Payments Upon Termination: In the event of any termination under Paragraph 5.01, Engineer will be entitled to invoice Owner and to receive full payment for all services performed or furnished in accordance with this Agreement, and to reimbursement of expenses incurred through the effective date of termination. Upon making such payment, Owner will have the limited right to the use of all deliverable documents, whether completed or under preparation, subject to the provisions of Paragraph 6.01.F, at Owner's sole risk.

1. If Owner has terminated the Agreement for cause and disputes Engineer's entitlement to compensation for services and reimbursement of expenses, then Engineer's entitlement to payment and Owner's rights to the use of the deliverable documents will be resolved in accordance with the dispute resolution provisions of this Agreement or as otherwise agreed in writing.
2. If Owner has terminated the Agreement for convenience, or if Engineer has terminated the Agreement for cause, then Engineer will be entitled, in addition to the payments identified above, to invoice Owner and receive payment of a reasonable amount for services and expenses directly attributable to termination, both before and after the effective date of termination, such as reassignment of personnel, costs of terminating contracts with Engineer's subcontractors or subconsultants, and other related close-out costs, using methods and rates for Additional Services as set forth in Paragraph 4.01.F.

6.01 General Considerations

- A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with any services performed or furnished by Engineer. Subject to the foregoing standard of care, Engineer may use or rely upon design elements and information ordinarily or customarily furnished by others, including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards.
- B. Engineer shall not at any time supervise, direct, control, or have authority over any Constructor's work, nor will Engineer have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, or the safety precautions and programs incident thereto, for security or safety at the Project site, nor for any failure of a Constructor to comply with laws and regulations applicable to that Constructor's furnishing and performing of its work. Engineer shall not be responsible for the acts or omissions of any Constructor.
- C. Engineer neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish and perform its work.
- D. Engineer's opinions of probable construction cost (if any) are to be made on the basis of Engineer's experience, qualifications, and general familiarity with the construction industry. However, because Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from opinions of probable construction cost prepared by Engineer. If Owner requires greater assurance as to probable construction cost, then Owner agrees to obtain an independent cost estimate.
- E. Engineer shall not be responsible for any decision made regarding the construction contract requirements, or any application, interpretation, clarification, or modification of the construction contract documents, other than those made by Engineer.
- F. All documents prepared or furnished by Engineer are instruments of service, and Engineer retains an ownership and property interest (including the copyright and the right of reuse) in such documents, whether or not the Project is completed. Engineer grants to Owner a limited license to use the deliverable documents on the Project, extensions of the Project, and for related uses of the Owner, subject to receipt by Engineer of full payment due and owing for all Services and Additional Services relating to preparation of the deliverable documents, and subject to the following limitations:
 - 1. Owner acknowledges that such documents are not intended or represented to be suitable for use on the Project unless completed by Engineer, or for use or reuse by Owner or others on extensions of the Project, on any other project, or for any other use or purpose, without written verification or adaptation by Engineer;
 - 2. any such use or reuse, or any modification of the documents, without written verification, completion, or adaptation by Engineer, as appropriate for the specific

purpose intended, will be at Owner's sole risk and without liability or legal exposure to Engineer or to its officers, directors, members, partners, agents, employees, and subconsultants;

3. Owner shall indemnify and hold harmless Engineer and its officers, directors, members, partners, agents, employees, and subconsultants from all claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from any use, reuse, or modification of the documents without written verification, completion, or adaptation by Engineer; and
 4. such limited license to Owner shall not create any rights in third parties.
- G. Owner and Engineer agree to transmit, and accept, Project-related correspondence, documents, text, data, drawings, information, and graphics, in electronic media or digital format, either directly, or through access to a secure Project website, in accordance with a mutually agreeable protocol.
 - H. **Waiver of Damages; Limitation of Liability:** To the fullest extent permitted by law, Owner and Engineer (1) waive against each other, and the other's officers, directors, members, partners, agents, employees, subconsultants, and insurers, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to this Agreement or the Project, from any cause or causes, and (2) agree that Engineer's total liability to Owner under this Agreement shall be limited to \$100,000 or the total amount of compensation received by Engineer, whichever is less.
 - I. The parties acknowledge that Engineer's Services do not include any services related to unknown or undisclosed Constituents of Concern. If Engineer or any other party encounters, uncovers, or reveals an unknown or undisclosed Constituent of Concern, then Engineer may, at its option and without liability for consequential or any other damages, suspend performance of Services on the portion of the Project affected thereby until such portion of the Project is no longer affected, or terminate this Agreement for cause if it is not practical to continue providing Services.
 - J. Owner and Engineer agree to negotiate each dispute between them in good faith during the 30 days after notice of dispute. If negotiations are unsuccessful in resolving the dispute, then the dispute will be mediated. If mediation is unsuccessful, then the parties may exercise their rights at law.
 - K. This Agreement is to be governed by the laws of the state of Missouri.
 - L. Engineer's Services do not include: (1) serving as a "municipal advisor" for purposes of the registration requirements of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (2010) or the municipal advisor registration rules issued by the Securities and Exchange Commission; (2) advising Owner, or any municipal entity or other person or entity, regarding municipal financial products or the issuance of municipal securities, including advice with respect to the structure, timing, terms, or other similar matters concerning such products or issuances; (3) providing surety bonding or insurance-related advice, recommendations, counseling, or research, or enforcement of construction insurance or surety bonding requirements; or (4) providing legal advice or representation.

7.01 Definitions

- A. Constructor—Any person or entity (not including the Engineer, its employees, agents, representatives, subcontractors, and subconsultants), performing or supporting construction activities relating to the Project, including but not limited to contractors, subcontractors, suppliers, Owner's work forces, utility companies, construction managers, testing firms, shippers, and truckers, and the employees, agents, and representatives of any or all of them.
- B. Constituent of Concern—Asbestos, petroleum, radioactive material, polychlorinated biphenyls (PCBs), lead based paint (as defined by the HUD/EPA standard), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to laws and regulations regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

8.01 Successors, Assigns, and Beneficiaries

A. Successors and Assigns

- 1. Owner and Engineer are hereby bound and the successors, executors, administrators, and legal representatives of Owner and Engineer (and to the extent permitted by Paragraph 8.01.A.2 the assigns of Owner and Engineer) are hereby bound to the other party to this Agreement and to the successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.
- 2. Neither Owner nor Engineer may assign, sublet, or transfer any rights under or interest (including, but without limitation, money that is due or may become due) in this Agreement without the written consent of the other party, except to the extent that any assignment, subletting, or transfer is mandated by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

- B. Beneficiaries: Unless expressly provided otherwise, nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Owner or Engineer to any Constructor, other third-party individual or entity, or to any surety for or employee of any of them. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Engineer and not for the benefit of any other party.

9.01 Total Agreement

- A. This Agreement (including any expressly incorporated attachments), constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

Attachments: Appendix 1, Engineer's Standard Hourly Rates; Appendix 2, Horner & Shifrin Project Approach

This Agreement's Effective Date is **September 15, 2021**.

Owner:

City of West Plains, Missouri
(name of organization)

By: _____
(authorized individual's signature)

Date: _____
(date signed)

Name: Jeff Hanshaw
(typed or printed)

Title: Public Works Director
(typed or printed)

Address for giving notices:
1910 Holiday Lane; West Plains, MO 65775

Designated Representative:

Name: Jeff Hanshaw
(typed or printed)

Title: Public Works Director
(typed or printed)


Address:
1910 Holiday Lane; West Plains, MO 65775

Phone: 417-256-7176

Email: Jeff.hanshaw@westplains.gov

Engineer:

Horner & Shifrin, Inc.
(name of organization)

By: 
(authorized individual's signature)

Date: 9/24/2021
(date signed)

Name: Robert Summers, P.E.
(typed or printed)

Title: Associate Vice President
(typed or printed)

Address for giving notices:
4061 Highway PP; Suite 1; Poplar Bluff, MO
63901

Designated Representative:

Name: Robert Summers
(typed or printed)

Title: Associate Vice President
(typed or printed)

Address:
4061 Highway PP; Suite 1; Poplar Bluff, MO
63901

Phone: 573-718-4627

Email: rcsummers@hornersshifrin.com

HORNER SHIFRIN

Hourly Billing Rates by Classification

Effective: 1/3/21

CLASSIFICATION	RATE	CLASSIFICATION	RATE
AP1 PROFESSIONAL 1	\$ 285	GT4 COORDINATOR	\$ 86
AP2 PROFESSIONAL 2	\$ 147	IP1 AVP - GIS/IT/SURVEY	\$ 196
AT4 CLERICAL 3	\$ 86	IP2 SENIOR GIS/IT PROFESSIONAL	\$ 127
AT6 CLERICAL 6	\$ 63	IT2 GIS/IT ANALYST	\$ 96
BP1 AVP BUILDING SERVICES	\$ 189	IT5 GIS ANALYST	\$ 90
BP3 SR PM BUILDING SERVICES	\$ 184	SR1 VP STRUCTURAL ENGR	\$ 252
BP4 SR PM BUILDING SERVICES	\$ 160	SP2 AVP STRUCTURAL ENGR	\$ 200
BP5 SR PM BUILDING SERVICES	\$ 150	SP3 SR PM STRUCTURAL ENGR	\$ 185
BP7 PM BUILDING SERVICES	\$ 125	SP4 SR PM STRUCTURAL ENGR	\$ 176
BP8 PE BUILDING SERVICES	\$ 123	SP5 SR PM STRUCTURAL ENGR	\$ 165
BP11 DESIGN ENGR BUILDING SERVICES	\$ 99	SP6 PM STRUCTURAL ENGR	\$ 153
BP13 ENGR BUILDING SERVICES	\$ 85	SP7 PM STRUCTURAL ENGR	\$ 138
BTM1 TECH MGR BUILDING SERVICES	\$ 140	SP8 SR PE STRUCTURAL ENGR	\$ 129
BT1 PROF DESIGNER BUILDING SERVICES	\$ 122	SP9 PE STRUCTURAL ENGR	\$ 121
BT2 SR DESIGNER BUILDING SERVICES	\$ 103	SP 10 PE STRUCTURAL ENGR	\$ 113
BT3 DESIGNER BUILDING SERVICES	\$ 87	SP11 DESIGN ENGR STRUCTURAL ENGR	\$ 105
BT4 CAD TECH BUILDING SERVICES	\$ 77	SP12 DESIGN ENGR STRUCTURAL ENGR	\$ 98
BT5 CAD TECH BUILDING SERVICES	\$ 70	SP13 ENGR STRUCTURAL ENGR	\$ 90
CP1 DEPT MGR CONST SVCS	\$ 140	ST3 DESIGNER STRUCTURAL ENGR	\$ 95
CP3 PROJ ENGR CONST SVCS	\$ 115	ST6 CADD TECH STRUCTURAL ENGR	\$ 64
CT1 CONST SVCS TECH 1	\$ 117	SU1 PROFESSIONAL LAND SURVEYOR	\$ 135
CT2 CONST SVCS TECH 2	\$ 112	SU2 PROFESSIONAL LAND SURVEYOR	\$ 122
CT4 CONST SVCS TECH 4	\$ 93	SU3 SURVEY INSTRUMENT TECHNICIAN	\$ 104
CT5 CONST SVCS TECH 5	\$ 83	SU4 SURVEY INSTRUMENT TECHNICIAN	\$ 96
CT6 CONST SVCS TECH 6	\$ 55	TES1 ENV SCIENTIST TRANS CIV ENGR	\$ 170
EP1 VP ENVIRONMENTAL ENGR	\$ 250	TES2 ENV SCIENTIST TRANS CIV ENGR	\$ 155
EP2 AVP ENVIRONMENTAL ENGR	\$ 195	TES3 ENV SCIENTIST TRANS CIV ENGR	\$ 125
EP4 SR PM ENVIRONMENTAL ENGR	\$ 175	TES4 ENV SCIENTIST TRANS CIV ENGR	\$ 95
EP5 SR PM ENVIRONMENTAL ENGR	\$ 165	TES5 ENV SCIENTIST TRANS CIV ENGR	\$ 75
EP7 PM ENVIRONMENTAL ENGR	\$ 150	TP1 VP TRANS CIV ENGR	\$ 240
EP8 SR PE ENVIRONMENTAL ENGR	\$ 124	TP2 AVP TRANS CIV ENGR	\$ 195
EP9 PE ENVIRONMENTAL ENGR	\$ 119	TP3 ENGR MGR TRANS CIV ENGR	\$ 185
EP10 PE ENVIRONMENTAL ENGR	\$ 105	TP4 SR PM TRANS CIV ENGR	\$ 160
EP11 DESIGN ENGR ENVIRONMENTAL ENGR	\$ 101	TP5 SR PM TRANS CIV ENGR	\$ 150
EP12 DESIGN ENGR ENVIRONMENTAL ENGR	\$ 95	TP6 PM TRANS CIV ENGR	\$ 140
ET1 PROF DESIGNER ENVIRONMENTAL ENGR	\$ 116	TP7 PM TRANS CIV ENGR	\$ 130
ET3 DESIGNER ENVIRONMENTAL ENGR	\$ 83	TP8 SR PE TRANS CIV ENGR	\$ 120
ET4 CAD TECH ENVIRONMENTAL ENGR	\$ 66	TP9 PE TRANS CIV ENGR	\$ 115
ET5 CAD TECH ENVIRONMENTAL ENGR	\$ 65	TP10 PE TRANS CIV ENGR	\$ 105
ET6 CAD TECH ENVIRONMENTAL ENGR	\$ 62	TP11 DESIGN ENGR TRANS CIV ENGR	\$ 100
GP2 MANAGER	\$ 166	TP12 DESIGN ENGR TRANS CIV ENGR	\$ 95
GP3 MANAGER	\$ 146	TP13 ENGR TRANS CIV ENGR	\$ 90
GP4 MANAGER	\$ 135	TP14 ENGR TRANS CIV ENGR	\$ 87
		TT1 PROF DESIGNER TRANS CIV ENGR	\$ 107
		TT2 SR DESIGNER TRANS CIV ENGR	\$ 96
		TT3 DESIGNER TRANS CIV ENGR	\$ 85
		TT4 CAD TECH TRANS CIV ENGR	\$ 65
		TTM1 TECH MGR TRANS CIV ENGR	\$ 117

HORNER SHIFRIN

Reimbursable Expenses

Effective: 1/3/21

EQUIPMENT

3D Scanner	\$50	Hour
ATV/UTV	\$65	Day
Bridge Inspection Small Tools	\$105	Day
Manhole Inspection Camera	\$10	Hour
Manhole Smoker / Oil	\$0.05	Linear Foot
Mobile LiDAR Scanner	\$2,250	Day
Traffic Counters	\$61	Each
UAS Drone	\$200	Day

EXPENSES

Airfare	Actual Cost + 10%
Copy	\$0.10 Each
Vehicle (Daily Rate)	\$65 Day
Vehicle (Mileage Rate)	Per IRS Mile
Facility Rental (Public Involvement)	Actual Cost + 10%
Large Format Bond	\$0.25 Square Foot
Large Format Photo Glossy	\$0.70 Square Foot
Large Format Adhesive/Specialty	\$1.75 Square Foot
Mounting of Display Boards	Actual Cost + 10%
Newspaper Advertisements / Legal Notices	Actual Cost + 10%
Outsourced Reproduction	Actual Cost + 10%
Overnight Delivery / Postage / Courier Service	Actual Cost + 10%
Overnight Lodging	Actual Cost + 10%
Per Diem	Per GSA.Gov
Railroad Fees and Expenses	Actual Cost + 10%
Recording Fees / Courthouse Fees	Actual Cost + 10%
Rented Equipment	Actual Cost + 10%
Security	Actual Cost + 10%
Specific Insurance (Required for Project)	Actual Cost + 10%
Tolls / Cabs / Mass Transit	Actual Cost + 10%
Traffic Control & Protection	Actual Cost + 10%

Overall Project Approach:

1. Conduct project kickoff meeting with City Staff.
2. Coordinate and conduct boundary and field topographic survey.
 - a. Deed and plat research.
 - b. Boundary survey to establish right-of-way, easements, and property lines.
 - c. Contact MO 1-Call and obtain available utility maps.
 - d. Field locate pavement, trees, and utilities.
 - e. Prepare survey drawing
3. Prepare preliminary alignment (30% submittal) of proposed water/sewer main with property lines and existing easements identified, then submit alignment to City Staff for approval.
4. Prepare Project Drawings to 90% completion.
 - a. Cover Sheet
 - b. Plan Sheets: Number of sheets and scale of each project will vary
5. Prepare 90% Project front end documents, Division 1 Specifications, and any additional required technical specifications.
6. Prepare estimate of construction cost, if requested.
7. Submit 90% plans, specifications, and cost estimate to City for review.
8. Review 90% complete plans and specifications with the City.
9. Incorporate City Staff review comments and finalize complete construction plans and specifications, finalize cost estimate, then submit to MDNR for approval.
10. After receiving approval from MDNR, submit completed bid documents to the City for bidding. Assist the City with bidding

Mastercraft Sewer Extension Approach

The extension would construct new 8" gravity main to service the Mastercraft property. The line can be seen in our exhibit below. Based on our preliminary layout, our team believes that the system will include approximately:

- 8 – 4' diameter manholes
- 2,900' – 8" PVC gravity main

All of the above quantities are estimated. It is possible that the main would need to be re-aligned and connected at an existing manhole further downstream. Without field investigation, we cannot fully substantiate the location shown. However, the layout is reasonable considering its preliminary state.

