

BILL NO. 2022-20

RESOLUTION NO. 2022-20

A RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO EXECUTE A CONSTRUCTION ENGINEERING CONTRACT ADMENDMENT BETWEEN THE CITY OF WEST PLAINS, MISSOURI, AND CMT FOR THE GOVERNOR'S COST SHARE SECTION 2.

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

Section 1: That the City Council of the City of West Plains, Missouri, does hereby authorize the City Administrator to execute a construction engineering contract amendment between the city of West Plains, Missouri, and CMT for the Governor's Cost Share Section 2.

Section 2: That this Resolution shall be in full force and effect after its days of passage and approval.

PASSED AND APPROVED THIS 18th DAY OF JULY 2022.

CITY OF WEST PLAINS, MISSOURI

BY: Michael Toplioff  
MAYOR MICHAEL TOPLIFF

ATTEST:

Allison Skinner  
CITY CLERK ALLISON SKINNER



July 6, 2022

To: Sam Anselm, City Administrator  
Allison Skinner, City Clerk

From: Michael McMahon, Project/Grant Specialist

Re: Engineering Contract Amendment for Governor's Cost Share Section 2

**Executive Summary**

The purpose of this council action is to approve the construction engineering contract amendment with CMT for the Governor's Cost Share Section 2.

**Discussion**

This contract covers the construction engineering for the Alaska Street phase of the Governor's Cost Share Grant. Section 2 will cover Alaska Street from 9<sup>th</sup> Street to 6<sup>th</sup> Street. This amendment comes in two parts, the construction engineering with a not-to-exceed amount of \$95,957.50 and final design of the Alaska Street in the amount of \$18,480.00. This contract amendment has a maximum total of \$114,437.50 bringing the total contract for the engineering services not to exceed \$625,931.50.

Although we are waiting for concurrence from MoDOT for the bid, to expedite the project once approved we would like this agreement in place.

**Fiscal Impact**

The CMT contract will be paid for out of the transportation budget as part of the city match of the Governor's Cost Share. This was an expected expense as the Governor's Cost Share was designed to cover half of the construction cost of the total project.

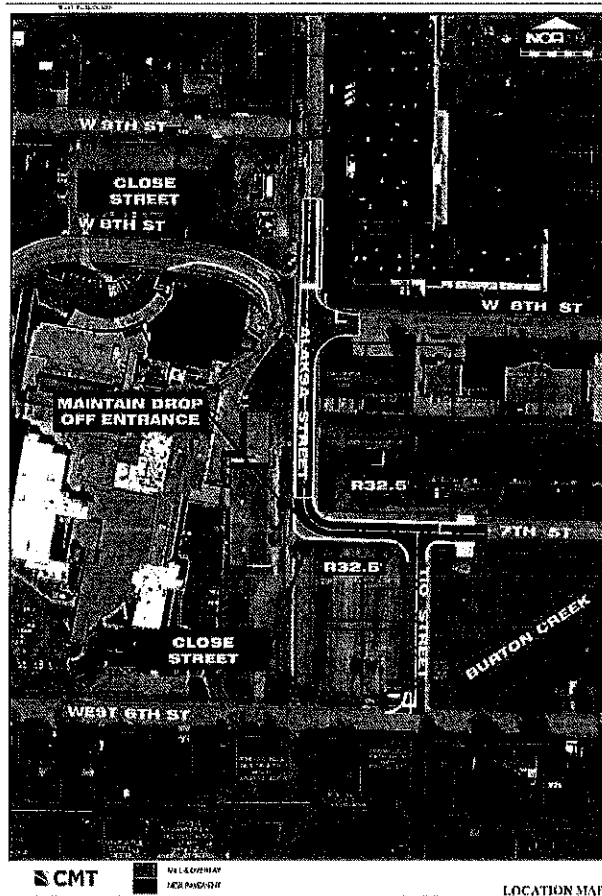
City Portion: Not to Exceed \$95,957.50 with an additional \$18,480.00 bringing the amendment total to \$114,437.50 to be paid for out of the Transportation budget.

It is recommended to approve the contract for construction engineering contract with CMT.

# SCOPE & ESTIMATING DATA

Professional Design Services  
OMC Roadway Alternative Preliminary Design – Amendment #3

City of West Plains, MO  
September 19, 2018  
Amendment #1 April 23, 2020  
Amendment #2 September 9, 2021  
Amendment #3 June 30, 2022



Prepared For:



*MAKE IT HAPPEN HERE*

CITY OF WEST PLAINS, MISSOURI  
1910 HOLIDAY LANE | WEST PLAINS, MISSOURI 65775

Prepared By:





**AMENDMENT #3 INFORMATION**

As requested, CMT is submitting this amendment to the contract for the following reasons:

- 1) Additional scope for the final design of the connector road between 6<sup>th</sup> Street and 8<sup>th</sup> Street.
- 2) Additional scope for construction phase services for connector road between 6<sup>th</sup> Street and 8<sup>th</sup> Street.

At the request of the city, CMT has already completed the final design of the connector road between 6<sup>th</sup> Street and 8<sup>th</sup> Street per the revised alignment approved by the city. The revised alignment required redesign resulting in the need for additional design services. As shown in the table below, the fee to complete the redesign was \$18,480. Included in this amendment is fee to perform the construction phase services for the new connector road (Alaska Street). The fee to perform the construction phase services is \$95,957.50. The total for Amendment #3 is \$114,437.50 and the total contract amount is now \$625,931.50.

Original Task #	New Task #	Description	Current Fee	Increase	New Fee	Remaining Fee
1	----	ADMINISTRATION / PROJECT MANAGEMENT	\$5,963.00	----	----	----
2	----	DATA COLLECTION / SURVEY	\$22,175.00	----	----	----
3	----	HYDRALIC ANALYSIS	\$11,390.00	----	----	----
4	----	CONCEPT DEVELOPMENT	\$6,963.00	----	----	----
5	----	PUBLIC INVOLVEMENT	\$11,357.00	----	----	----
6	----	PRELIMINARY DESIGN (50%)	\$36,949.00	----	----	----
7	----	PRELIMINARY DESIGN FOR HWY 63 INTERSECTION (50%)	\$58,825.00	----	----	----
8	----	HYW 63 AND 5TH STREET INTERSECTION FINAL PLANS	\$84,315.00	----	----	----
9	----	FINAL PLANS FOR NEW ROAD BETWEEN 6 <sup>TH</sup> AND 8 <sup>TH</sup> STREET	\$85,915.00	\$18,480.00	\$104,395.00	
10	----	ENVIRONEMTNAL REVIEW (WITH \$19,000 FOR NOISE ANALYSIS)	\$26,272.00	----	----	----
11	----	BIDDING PHASE	\$6,595.00	----	----	----
12	----	5 <sup>TH</sup> STREET CONSTRUCTION PHASE	\$154,775.00	----	----	\$63,296.80
----	13	6 <sup>TH</sup> AND 8 <sup>TH</sup> STREET CONNECTOR CONSTRUCTION PHASE	----	\$95,957.50	----	----
<b>ORIGINAL CONTRACT TOTAL =</b>			<b>\$511,494</b>	----	----	----
<b>NEW FEE =</b>				<b>\$114,437.50</b>	<b>\$625,931.50</b>	----
<b>AMENDED NOT TO EXCEED CONTRACT AMOUNT =</b>			<b>\$625,931.50</b>			

**GENERAL PROJECT INFORMATION & FEATURES**

The scope of services has been provided for preparing the final roadway improvement plans for a new connector road from 6<sup>th</sup> Street to 8<sup>th</sup> Street and construction phase services for the new connector road from 6<sup>th</sup> Street to 8<sup>th</sup> Street.

The improvement limits for the roadways included in the scope are defined on **Exhibit A**.

**Preliminary Estimated Project Cost:** \$2,461,278

**Project Funding:** This project is funded by a 50% construction cost match by the Governor's Cost Share program with the remainder paid by the city.

**Project Schedule:** The final construct is anticipated to be completed by December 2022.

**Project Limits:** The improvement limits for the project is defined on **Exhibit A**.

**TASK 09 – NEW CONNECTOR ROAD FROM 6<sup>th</sup> STREET TO 8<sup>th</sup> STREET**

*Final design including the revised alignment for the connector between 6<sup>th</sup> Street to 8<sup>th</sup> Street has been completed.*

*Task 09 included the following tasks:*

Improvements along the new connector road from 6<sup>th</sup> Street to 8<sup>th</sup> Street

*Aesthetics, Lighting, and Signalized intersection design is not anticipated to be included in the scope of work for this section of roadway and will be considered additional effort if determined to be needed as part of the planned improvements. It is also assumed that any utility relocation design will be performed by the utility company and additional effort to design necessary utility relocations will be considered additional work outside the scope of work.*

**Task 9.1- Consultant shall prepare final plans.**

- A. The final plans shall include the following sheets:
  - i. Cover
  - ii. General Notes
  - iii. Typical Sections
  - iv. Existing Conditions / Removal Plan
  - v. Right-of-Way Plan
  - vi. Plan & Profile – Roadway
  - vii. Intersection Detail Plan
  - viii. Storm Sewer Plan & Profile
  - ix. Erosion Control Plan (Phased Plans)
  - x. Traffic Control Plan (Phased Plans)
  - xi. Cross Sections (25 Foot Sections)
  - xii. Standard Drawings & Details
- B. Comments from the City and other agencies regarding the pre-final plans shall be incorporated into the final plans.
- C. A consultant provided QA/QC checklist shall be included verifying the plans, calculations, opinion of probable construction costs, quantity takeoff drawings, and other submittals have been reviewed by the project principal, project manager, or other professional.
- D. Consultant shall prepare an opinion of probable construction costs.
- E. The Consultant will meet with City staff to review the plans and obtain comments.
- F. Drawings shall be prepared in accordance with MoDOT Standards.

**Task 9.2 - Special Provisions**

- A. Consultant shall prepare special provisions for any items not covered in the MoDOT standard specifications. City will prepare advertising and bidding documents.

**Task 9.3 - Hydrologic and Hydraulic Modeling**

- A. Roadway Drainage Analysis
  - i. Finalize storm sewer system report.

**Task 9.4 - Right of Way (R/W) and Easements**

- A. All R/W and easements required for the project shall be identified and shown on the Right of Way Plan. Prior to Final plan set, all easements and R/W shall be acquired and shown correctly on the R/W plan sheet with book and page numbers. Special Agreements with property owners should be listed on the plan.
- B. Station and offset of each easement shall be shown on the R/W plan.

**Task 9.5 - Deliverables**

- A. At the conclusion of this phase the following items will be provided to the City:
  - i. Final for review plans
  - ii. Final plans
  - iii. Engineer's estimate of probable construction costs
  - iv. Quantity Takeoff Drawing and Calculations
  - v. Special Provisions
  - vi. Any spreadsheets, hand calculations, notes, or other supporting information
  - vii. Meeting Minutes

**TASK 13 – 6<sup>TH</sup> TO 8<sup>TH</sup> STREET CONNECTOR CONSTRUCTION PHASE SERVICES**

*Construction phase services for the connector between 6<sup>th</sup> Street to 8<sup>th</sup> Street has been completed. Task 13 includes the following tasks:*

- A. The Consultant shall provide construction inspection, materials testing, and other services as needed. Support services will be assigned by the city of West Plains Missouri, as described within this Exhibit for the Design-bid-Build project J9P3664.
- B. The Consultant shall provide support services as requested throughout the following phases of the Project:
  - Construction
- C. The Consultant shall provide project related services as described herein.
  - The consultant shall provide to the city of West Plains qualified inspection of the above referenced project.
  - The services provided shall include Quality Assurance (QA) verifications on all items of installed work and QA tests as outlined in the attached Contractor Quality Control Job Special Provision (JSP). Testing frequencies shall be no less than as defined in the Inspection Testing Plan (ITP) and in accordance with the applicable Missouri Standard Specifications for Highway Construction. Above referenced documents can be found at <https://www.modot.org>.
  - Any testing performed by the consultant can only be performed by personnel certified for the tests being conducted through MoDOT's technician certification program AND testers must carry current credentials validating their certification.
  - The consultant's inspector shall be present on the jobsite daily to capture necessary diary information for progress monitoring. For periods of work between critical installations and at certain hold points, the inspection time spent on the project (while daily) can be minimal if approved by the city.
  - Daily, the inspector shall provide/perform:
    - A daily work report documenting all construction activities on the project
    - Any QA tests required by the ITP for the work being performed
    - All test results shall be recorded in the proper format as defined by the Sampling Checklist and Materials Summary or defined by the city.
    - A work zone traffic control review of all TCDs associated to the project to ensure compliance with the plans and MUTCD. All reviews will be maintained and available for review upon request by the city.
  - On a semi-monthly basis, the inspector may be required to run a project estimate and submit to the city for review.
  - As needed, develop change orders to document overruns/underruns on the project to ensure prompt payment to the contractor.
  - Expected allocation of resources are as follows:
    - Staffing of above referenced project will be confirmed by the city of West Plains; however, it's anticipated inspection services will be needed for approximately six (6) months beginning in September of 2021.
    - The consultant should expect to dedicate 1 individual for an average of 30 hours each per week for the duration of the project(s) except for intervals of time that the weather will not allow the work to continue, or the contractor chooses not to staff the projects in question.

**II. Quality Assurance Personnel Duties and Responsibilities**

- A. Quality Assurance Testers – Quality Assurance Testers will perform testing and sampling during construction as outlined in the Inspection & Test Plan (ITP). The QA sampling and testing will be performed by QA Testers certified through the MoDOT Technician Certification Program or a certification program preapproved by MoDOT. The QA Testers report directly to the Quality Assurance Inspector (QAI). **The QA tester can be the QAI.**

B. QA Tester responsibilities:

- Perform required tests and document test in accordance with contract documents
- Conduct material sampling and testing in conformance with the appropriate methods and frequencies
- Ensure all measuring and test equipment is properly maintained and calibrated
- Promptly communicate nonconforming material to the city and production staff

C. Quality Assurance Inspectors (QAI) – Quality Assurance Inspectors will have a thorough understanding of the contract requirements and will perform inspections during construction to ensure the quality of the work meets or exceeds contract specifications. The QA Inspector will be knowledgeable of the work he/she is inspecting and will be able to recognize conforming and nonconforming work and material. The QA Inspector reports directly to the city.

D. QA Inspector responsibilities:

- Perform required inspections and complete checklists in accordance with contract documents and found at the following link -[http://www.modot.org/business/contractor\\_resources/Quality\\_Management/](http://www.modot.org/business/contractor_resources/Quality_Management/)
- Ensure inspection observations are included on Daily Inspection Report (DWR)
- Ensure material is conforming to the contract requirements before being incorporated into the work
- Promptly communicate nonconformance material and work to the city.
- Wage rate inspections are required at a minimum of 1 every week per job. QAI needs to discuss required frequency on each job with the city prior to work to ensure accuracy.
- CUF (commercially useful function) reviews on all DBE Subs, minimum 1/sub/job. These must be submitted to city.
- After completion of ADA work at each location, the following ADA checklist shall be completed by the inspector and provided to the city for review and approval. ADA exceptions can only be approved by the city.  
[https://epg.modot.org/files/1/1a/136.9.4\\_Mar\\_2021.docx](https://epg.modot.org/files/1/1a/136.9.4_Mar_2021.docx)

E. Pre-Activity Meeting

- Pre-Activity Meetings are necessary to discuss details of the Work Plan and schedule. Pre-Activity Meetings will be held 24-hours prior to the start of each new project activity or change in work crew. The Superintendent/Job Foreman of the activity will lead the meeting and others present at the meeting will be the QA Inspection and Testing Staff.

F. Inspection and Testing

- Inspection and testing are performed during all phases of the work from start to completion to ensure the work and testable material (concrete, aggregate, etc.) meets or exceeds the contract requirements. Consultant will perform inspection and testing of the work and material as specified in the Inspection and Testing Plan and MoDOT-provided checklists. All results will be documented.

III. Inspection and Testing Plan (ITP)

- A. The Inspection and Testing Plan (ITP) outlines the acceptance criteria for contract items for this project along with the required tests, testing frequency, and the required QA documentation. Any changes to the specifications, testing procedures, or the testing frequencies from the standard ITP will be implemented via change order. In addition, a change order will be completed to add acceptance criteria for nonstandard contract items not included in the standard ITP.
- B. See link below for ITP:
- [http://www.modot.org/business/contractor\\_resources/Quality\\_Management/](http://www.modot.org/business/contractor_resources/Quality_Management/)

IV. Daily Work Report (DWR)

- A. A Daily Inspection Report (DWR) will be completed on the project each day to document pertinent project activities. The report will include a detailed diary that describes the work performed as well as observations made by QA Inspection staff regarding quality assurance. The DWR will include other items such as weather conditions, location of work, installed quantities, tests performed, and a list of all subcontractors that performed work on that date.

V. Hold Points

- A. Hold Points are events in the work process that require approval from the city prior to continuing work. Hold Points occur between different definable stages of work when the succeeding work depends on the acceptance of the preceding work. A list of minimum Hold Points is available on MoDOT's website and can be provided upon request. Additional Hold Points can be added by the city.
- B. Hold Point inspections will be at times planned in the Weekly Schedule. The Hold Points may be rescheduled as needed, but the Consultant Inspector will provide a minimum 24-hour advance notification to the city, unless otherwise approved by the city.
- C. Prior to all Hold Point inspections, the consultant Inspection Staff will provide the city with the Daily Inspection Reports, Inspection Checklists, Test Reports, and Materials Receiving Inspection Reports for the work performed leading up to the Hold Point. The city-identified issues will be corrected prior to continuing work and a new Hold Point scheduled.

VI. Material Receiving

- A. Material Receiving is assurance that products and materials are identified from receipt and during all stages of production, delivery and installation. At receipt, the Consultant Inspection Staff will inspect general condition of material and determine if material is compliant based on the requirements specified in the ITP, Specifications, Job Special Provisions, Standard Drawings, or other pertinent contract documents.
- B. Some materials are pre-qualified or pre-accepted. A list of these items is maintained by MoDOT and can be found on the MoDOT internet site. These lists include: Pre-Acceptance List (PAL), Approved Product List (APL), Bridge Pre-qualified Products List (BPPL), and the Qualified List (QL). Although pre-qualified or pre-accepted, appropriate documentation detailed in the Specifications will accompany these products for acceptance.
- C. All material delivered to the project, excluding testable material, will be inspected for appropriate dimensions, quantity, condition, markings, etc., and accompanied with appropriate documentation. All PAL items will be inspected to ensure material conforms to plans and specifications and disposition remarks will be documented to the associated identification number.

VII. QUALITY DOCUMENTATION

- A. Project documentation (inspection checklists, daily work reports, test records, Materials Receiving Inspection Reports, etc.) referenced in this plan will be stored and organized by the Consultants Inspection Staff.
- B. Project documentation will be completed within 48-hours after the work shift ends.
- C. In addition, to the above, all project correspondence must be delivered to the city so it can be archived with the project's permanent records. Copies should be maintained by the consultant for access as needed. This includes, but is not limited to: delivery tickets, mix designs, mill test reports, certifications, test reports, contractor schedule, any letters associated to the contract, wage rate inspections, NCR's, and order records.
- D. Certified payrolls for contractor activity will be checked and maintained by the city.

VIII. CONTROL OF NON-CONFORMING WORK AND MATERIAL

- A. Non-conformance reporting will be used to identify and ensure that work, material, and/or processes (i.e. QC inspections, tests, documentation, etc.) that fail to satisfy the contract requirements are identified and promptly resolved. QA staff or production staff will identify non-conformances and the QAI will document using a Non-Conformance Report (NCR). The city may also initiate an NCR.



- B. The NCR process is as follows:
1. Non-conforming work and/or material are identified.
  2. NCR is issued on the provided standard form.
  3. QAI forwards copy of NCR to the city with proposed resolution.
  4. The city either approves or rejects the proposed resolution. A dialogue will ensue following any rejected proposals until an acceptable solution is identified.
  5. The city-approved resolution is executed.
  6. New inspection and/or test of previously identified non-conforming item is completed.
  7. QAI verifies previously identified non-conforming item is now compliant and requests final approval from the city.
  8. The city evaluates previously identified non-conforming item. If accepted, the city signs NCR for closure.

**CITY OF WEST PLAINS, MO**  
**PROFESSIONAL SERVICES COST SUMMARY**  
**OMC ROADWAY ALTERNATIVE PRELIMINARY DESIGN - AMENDMENT #3**  
**HOWELL COUNTY, MO**

ATTACHMENT "B"



PREPARED BY: JRC  
 DATE: JUNE 30, 2022

**ORIGINAL CONTRACT**  
**EFFORT TO COMPLETE FINAL PLANS**  
**AMENDMENT NO. 3**

SUMMARY:

TASK NO. ITEM DESCRIPTION

TASK NO.	ITEM DESCRIPTION	TASK TOTALS	CMT LABOR	CMT DIRECT COSTS	DIRECT COST BY OTHERS
1	ADMINISTRATION / PROJECT MANAGEMENT	\$5,963.00	\$5,810.00	\$153.00	\$0.00
2	DATA COLLECTION / SURVEY	\$22,175.00	\$20,370.00	\$1,805.00	\$0.00
3	HYDRAULIC ANALYSIS	\$11,390.00	\$11,390.00	\$0.00	\$0.00
4	CONCEPT DEVELOPMENT	\$6,963.00	\$6,810.00	\$153.00	\$0.00
5	PUBLIC INVOLVEMENT	\$11,357.00	\$6,430.00	\$927.00	\$4,000.00
6	PRELIMINARY DESIGN (50%)	\$36,949.00	\$36,730.00	\$219.00	\$0.00
7	PRELIMINARY DESIGN FOR HWY 63 INTERSECTION (50%)	\$58,825.00	\$58,640.00	\$285.00	\$0.00
8	HWY 63 AND 5TH STREET INTERSECTION FINAL PLANS	\$84,315.00	\$84,160.00	\$155.00	\$0.00
9	FINAL PLANS FOR NEW ROAD BETWEEN 6TH AND 8TH	\$85,915.00	\$84,110.00	\$1,805.00	\$0.00
10	ENVIRONMENTAL (WITH \$19,000 FOR NOISE ANALYSIS)	\$26,272.00	\$25,760.00	\$512.00	\$0.00
11	BIDDING PHASE	\$6,595.00	\$6,440.00	\$155.00	\$0.00
12	5TH STREET CONSTRUCTION PHASE SERVICES	\$154,775.00	\$134,680.00	\$7,475.00	\$12,620.00
<b>TOTALS</b>		<b>\$511,494.00</b>	<b>\$481,230.00</b>	<b>\$13,644.00</b>	<b>\$16,620.00</b>

CURRENT CONTRACT

<b>SUBTOTAL</b>	<b>\$481,230.00</b>	<b>\$30,264.00</b>
<b>TOTAL</b>	<b>\$511,494.00</b>	

**AMENDMENT #3 EFFORT**

TASK NO.	ITEM DESCRIPTION	AMEND 3	CMT LABOR	CMT DIRECT COSTS	DIRECT COST BY OTHERS
9	HWY 63 AND 5TH STREET INTERSECTION FINAL PLANS	\$18,480.00	\$18,480.00		
13	6TH TO 8TH CONSTRUCTION PHASE SERVICES	\$95,957.50	\$83,470.00	\$5,312.50	\$7,175.00
<b>TOTALS</b>		<b>\$114,437.50</b>	<b>\$101,950.00</b>	<b>\$5,312.50</b>	<b>\$7,175.00</b>

<b>SUBTOTAL</b>	<b>\$101,950.00</b>	<b>\$12,487.50</b>
<b>TOTAL</b>	<b>\$114,437.50</b>	

<b>NEW NOT TO EXCEED TOTAL</b>	<b>\$625,931.50</b>	
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**AMENDMENT NO. 3**

<b>AMENDMENT NO. 3 TOTAL</b>	<b>\$114,437.50</b>	
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GENERAL NOTES:

1. The construction is scheduled to be completed by January 2023.
2. A detailed scope of services is provided in Attachment "A"
3. A detailed man-hour estimate is provided in Attachment "B"
4. A detailed direct cost estimate is provided in Attachment "C"

TASK NO. TASK DESCRIPTION		MAN-HOUR ESTIMATE											CMT TOTAL HOURS
		Principal	Senior Project Manager / Engineer	Project Manager / Engineer	Senior Engineer	Engineer	Registered Land Surveyor	Senior Technical Manager	Senior Technician	Technician	Technical Assistant	Clark/Word Processor	
STAFF MEMBERS		LHD	SJP	JUF, JRC	HL	RS, DS	PWS	JB	CLS, MD	SW	GAF	0	
9.0	FINAL DESIGN FOR NEW ROAD BETWEEN 6TH STREET AND 8TH STREET											0	
9.1	Survey Data Collection											0	
9.1a	Additional Survey along New Alignment											0	
9.2	Final Roadway Design											0	
9.2a	Finalize Roadway Alignment and Profile				16	16						32	
9.2b	Finalize Grading Plan				12	12						24	
9.2c	Adjustments to Plans Based on Utility Coordination by Department						6					6	
9.2d	Right of Way Documents											6	
9.3	Final Drainage Design											0	
9.3a	Final Drainage Calculations Based on Revisions				8	8						16	
9.3b	Finalize Drainage Plan & Profile Sheets				12	12						24	
9.3c	Finalize Drainage Details				8	8						16	
9.3d	Finalize Culvert Profiles				8	8						16	
9.3e	Finalize Temporary Erosion Control Sheets for Each Stage of Construction				2	2						4	
9.3f	Finalize SWPPP				8	8						16	
9.4	Final Traffic Control Design & Construction Staging											0	
9.4a	Finalize Staging Plan for Each Stage of Construction					2						2	
9.4b	Finalize Staging Plan Sheets for Each Stage of Construction											0	
9.4c	Finalize Sequence of Construction											0	
9.5	Final Design Field Check				2	2						2	
9.6	Perform Final Quality Control Review				2	2						2	
9.7	Perform Quantity Computations				2	2						2	
9.8	Prepare Cost Estimate				2	2						2	
9.9	Prepare Job Special Provisions				2	2						2	
9.10	Provide Disposition to Review Comments				2	2						2	
<b>TASK 9.0 - TOTAL</b>		0	0	0	54	84	6	0	0	0	0	144	
<b>STANDARD HOURLY RATES:</b>		\$210.00	\$205.00	\$175.00	\$140.00	\$120.00	\$140.00	\$120.00	\$130.00	\$105.00	\$80.00	\$50.00	
<b>TOTAL COST</b>		\$0.00	\$0.00	\$0.00	\$7,560.00	\$10,080.00	\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18,480.00	

MAN-HOUR ESTIMATE Crawford, Murphy & Tilly, Inc.																
TASK NO.	TASK DESCRIPTION	Principal	Senior Project Manager / Engineer	S.J.P	JUF, JRC	HL	Senior Engineer	Engineer	Registered Land Surveyor	Senior Technical Manager	Senior Technician	CL.S, MD	SW	Technical Assistant	Clerk/Wrd Processor	CMT TOTAL HOURS
<b>STAFF MEMBERS</b>																
13.0	6TH TO 8TH STREET CONNECTOR CONSTRUCTION PHASE SERVICES															0
13.1	6th to 8th Street Construction Phase Services				100											0
13.1a	Services as defined in the detailed scope.											507				507
<b>TASK 13.0 - TOTAL</b>																
		0	0	0	100	0	0	0	0	0	0	507	0	0	0	0
<b>STANDARD HOURLY RATES</b>		\$210.00	\$205.00	\$175.00	\$140.00	\$140.00	\$120.00	\$140.00	\$140.00	\$130.00	\$130.00	\$130.00	\$105.00	\$80.00	\$50.00	\$50.00
<b>TOTAL COST</b>		\$0.00	\$0.00	\$17,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$65,989.80	\$0.00	\$0.00	\$0.00	\$33,469.80

**ATTACHMENT C - DIRECT COST AND SERVICES BY OTHERS**  
**OMC ROADWAY ALTERNATE PRELIMINARY DESIGN - AMENDMENT #3**  
 SEE "ATTACHMENT B" FOR ADDITIONAL SUPPORTING INFORMATION

TASK	DESCRIPTION	CMT DIRECT COSTS	OUTSIDE DIRECT COSTS
13	<b>6TH TO 8TH CONSTRUCTION PHASE SERVICES</b>		
A.	TRAVEL		
	1. TRAVEL - 8500 MILES x \$0.625 / MILE =	\$5,312.50	\$0.00
B.	Material Testing (sub-consultant)		
	2. Material Testing	\$0.00	\$7,175.00
<b>ITEM TOTAL:</b>		<b>\$5,312.50</b>	<b>\$7,175.00</b>