

OWNER-CMAR AGREEMENT FOR PRECONSTRUCTION SERVICES

THIS AGREEMENT is made and entered into this _____ day of _____, 2011 by and between the CITY OF LAS VEGAS, a municipal corporation within the State of Nevada (herein the "Owner") and McCarthy Building Companies, Inc., (herein the "CMAR"). The Owner and the CMAR are sometimes individually referred to herein as "Party" and collectively as "Parties."

RECITALS

WHEREAS, the Owner intends to construct the Water Pollution Control Facility Infrastructure Replacement (herein the "Project"); and

WHEREAS, the Owner desires to retain the CMAR who will be responsible for providing services hereinafter set forth below; and

WHEREAS, the CMAR is properly licensed pursuant to NRS Chapter 624 within the State of Nevada, and possesses the special knowledge, skills and expertise to perform the services hereinafter set forth within the time required under this Agreement.

NOW, THEREFORE, in consideration of the above premises, the Parties hereto agree to the following terms, conditions and covenants:

SECTION ONE CMAR RESPONSIBILITIES

1.01 Description of CMAR Services. For the compensation set forth in Section Seven, the CMAR hereby agrees to perform the preconstruction services set forth in Exhibit "A" (Scope of Services). The Owner at its sole option may request any or all of the additional preconstruction services set forth in Exhibit "B" ("Additional Preconstruction Services")

1.02 Designation of CMAR Representative. The CMAR representative is the individual identified in Exhibit "F" (Key Personnel List for Preconstruction Services) (the "CMAR Representative") to act in that capacity, who shall be responsible for the services required under this Agreement. The services specified by this Agreement may be performed by the personnel identified in Exhibit "F" (Key Personnel List for Preconstruction Services) provided that such associates, employees, and subcontractors perform under the personal supervision of the CMAR Representative.

If any personnel or subcontractors who are expected to provide the services required under this Agreement are objectionable to the Owner for any reason, the CMAR shall, without additional compensation, replace such personnel and subcontractors with personnel and subcontractors acceptable to the Owner.

If the CMAR personnel or subcontractors are unable to complete their responsibilities for any reason under this Agreement, or the CMAR desires for any reason to substitute personnel or subconsultant assigned to the Project, the CMAR agrees to obtain the approval of the Owner for any personnel or subconsultant substitution. The Owner shall not unreasonably withhold approval unless the Owner determines the substitution is not in the best interest of the Owner or the Project.

If the CMAR fails to make an acceptable replacement within thirty (30) days, the Owner may terminate this Agreement for default as provided in Section 10.03 of this Agreement.

1.03 Correspondence Review. The CMAR shall promptly furnish the Owner's Representative copies of each correspondence, if any, sent to the Architect or any other consultant involved with the Project, and to any regulatory agencies.

1.04 Cooperation with the Owner. The CMAR agrees that its officers, associates, employees and subcontractors will cooperate with the Owner in providing the services under this Agreement and will be, with advance notice, available for consultation with the Owner at such reasonable times as to not conflict with the Owner's other responsibilities.

SECTION TWO OWNER RESPONSIBILITIES

2.01 Project Manager. The Director of Public Works shall designate a Project Manager who will function as the Owner's Representative with respect to this Agreement. The Owner Representative shall have authority to define the Owner's policies with respect to the services of the CMAR. However, the Owner Representative is not authorized to change or waive any of the provisions set forth in this Agreement.

2.02 Access to Records. The Owner shall, without charge, furnish a copy to, or make available for examination or use by, the CMAR, as it may request, any documents and data which the Owner has available including, without limitation, reports, maps, plans, specifications, surveys, records, ordinances, codes, regulations, and other documents related to the services required under this Agreement. The Owner shall assist the CMAR in obtaining data and documents from public agencies and from private citizens and business firms whenever the Owner determines that such material is necessary for the completion of the services required by this Agreement.

2.03 Cooperation with CMAR. The Owner agrees that its officers and employees will cooperate with the CMAR in the performance of this Agreement and will be, with advance notice, available for consultation with the CMAR at such reasonable times as to not conflict with the CMAR's other responsibilities. The Owner shall provide access to the CMAR on to the Project site as may be required to perform the services under this Agreement.

SECTION THREE CHANGES TO CMAR SERVICES

3.01 Requested Changes. The Owner may at any time, by written order, make changes in the services to be performed by the CMAR under this Agreement.

3.02 Adjustment of Compensation. If the change requested by the Owner causes an increase or decrease in the cost or time required to perform any of the services required under this Agreement, an equitable adjustment shall be made in the compensation to be paid to the CMAR under Section Seven, or in the performance schedule under Section Eight, or both, and this Agreement shall be modified in writing accordingly.

Each claim for adjustment under this Section must be asserted in writing as a fee dispute within thirty (30) days from the date of receipt by the CMAR of written notification of the change, unless the Owner grants in writing an extension. Failure to assert the claim within the time allowed herein shall constitute a waiver of all rights to seek any equitable adjustment in compensation with respect to that change. Upon final payment to the CMAR, the CMAR waives all rights to seek adjustment in compensation with respect to Project services, expenses, claims and changes.

SECTION FOUR ADDITIONAL PRECONSTRUCTION SERVICES OF CMAR

4.01 Additional Preconstruction Services. The CMAR shall provide the additional preconstruction services described under Exhibit "B" (Additional Preconstruction Services) if, and only if, so requested in writing by the Owner. Payment for the additional preconstruction services will be made to the CMAR in accordance with Section Seven of this Agreement.

4.02 Attendance at Meetings or Public Hearings. The CMAR shall notify in writing the Owner in advance of any additional costs which may be incurred prior to attending any meetings or public hearings as may be necessary in connection with the services performed by the CMAR under this Agreement.

SECTION FIVE SUBCONTRACTOR AGREEMENT

5.01 Subcontractor Provisions. If, with the approval of the Owner as required pursuant to Section 10.07 the CMAR enters into an agreement with a subcontractor for the performance of any of its obligations under this Agreement, the following provisions shall be included in each subcontractor agreement:

- (i) The CMAR agrees to pay the subcontractor when paid by the Owner for that portion of the services provided to the Owner and that no liability arises on the part of the CMAR for payment of the

subcontractor services until payment has been made by the Owner. If the Owner has paid the CMAR for the subcontractor services, the subcontractor's only recourse is against the CMAR and not against the Owner, either through the institution of legal or equitable action or the attachment of any lien.

- (ii) The subcontractor shall have no more rights against the Owner than that of the CMAR.
- (iii) The subcontractor agrees to be bound by the terms, conditions and obligation of this Agreement unless the Owner has approved any deviation, change or modification in writing.

SECTION SIX TERM OF AGREEMENT

6.01 Term. This Agreement shall commence on the day it is approved by the Owner (which date shall be inserted in the introductory paragraph of this Agreement) and shall remain in force and effect until the Project is completed unless terminated earlier pursuant to Section 10.02 or 10.03. Such termination shall not release either party from any of its continuing obligations under this Agreement.

6.02 Disputes. This Section shall not be construed to preclude the filing of any dispute arising out of the performance of this Agreement or in connection with the subject matter hereof, nor shall this Section be construed to change the date or the time on which a cause of action arising out of the performance of this Agreement or in connection with the subject matter hereof, would otherwise accrue under the statutes of limitation or doctrines of law.

SECTION SEVEN COMPENSATION AND TERMS OF PAYMENT

7.01 Compensation: Basic Preconstruction Services. The Owner will pay the firm fixed amount of \$982,400. Payment will be made upon completion of each task as specified in Attachment "D" (Preconstruction Services Payment Schedule).

7.02 Compensation: Additional Preconstruction Services. For any services not set forth in Exhibit "A" (Scope of Services), the Owner shall pay to the CMAR either a lump sum fee, or an hourly fee based upon the hourly fee schedule set forth in Exhibit "E" (Additional Preconstruction Services Compensation), whichever is agreed to by the parties, provided prior written approval for such services is given by the Owner's Purchasing & Contracts Manager.

7.03 Compensation: Reimbursable Expenses. The CMAR agrees that all direct and indirect expenses are included in the fixed fee for the Basic Services and the agreed upon compensation for any Additional Preconstruction Services, except as may be specifically allowed in Exhibit "E" (Additional Preconstruction Services Compensation).

7.04 Invoice. The CMAR may submit an invoice for payment of the fixed fee set forth in Exhibit "D" (Preconstruction Services Payment Schedule) based on the manner or method of payment set forth in Section 7.01 of this Agreement. The Owner's Representative will notify the CMAR of any problems regarding the invoice within fourteen (14) days from receipt thereof. If no response is received from the Owner's Representative within the aforementioned period of time, the CMAR may expect payment within a period of forty-five (45) days from the date of receipt by the Owner. If payment has not been received within the forty-five (45) days, the CMAR agrees to contact the Owner's Representative to resolve any problem for the delay. If the resolution of the delay is not satisfactory to the CMAR, the CMAR may submit a claim pursuant to Section 10.20A.

7.05 Right to Off-Set. The Owner's Representative may subtract or offset from any unpaid invoice from the CMAR any claims which the Owner may have for failure of the CMAR to comply with the terms, conditions or covenants of this Agreement, or any damages, costs and expenses caused by, resulting from, or arising out of the negligent act or omission of the CMAR in the performance of the services under this Agreement including, without limitation, any error or deficiency in the report or other documents prepared by the CMAR. The Owner's Representative shall provide a written statement to the CMAR of the off-set which has been subtracted from any payment to the CMAR along with appropriate documentation and receipts, if any, and a description of the failure, error or deficiency attributed to the CMAR. If the CMAR disputes the right or amount of the off-set made by the Owner, the CMAR may file a claim pursuant to Section 10.20 of this Agreement.

7.06 Final Payment. Upon completion of the services required under this Agreement, and acceptance thereof

by the Owner (which acceptance will not be unreasonably withheld), the CMAR will, within sixty (60) days of the Owner's acceptance, be paid the balance of any money due for such services.

SECTION EIGHT PRECONSTRUCTION SERVICES PERFORMANCE SCHEDULE

8.01 Preconstruction Services Performance Schedule. The CMAR shall perform and complete the services required under this Agreement according to the schedule ("Preconstruction Services Performance Schedule") set forth in Exhibit "C". If the performance of services is delayed in the time period as outlined in Exhibit "C", the CMAR shall notify the Owner's Representative in writing of the reasons for the delay and include a plan which brings the CMAR performance into compliance with the Preconstruction Performance Schedule.

SECTION NINE AUDIT: ACCESS TO RECORDS

9.01 Records. The Owner shall have the right to audit the CMAR books, records and other documents directly pertinent to the performance of this Agreement. The CMAR agrees to maintain books, records and other documents directly pertinent to performance of this Agreement in accordance with generally accepted accounting principles and practices. The CMAR shall also maintain the financial information and data used to prepare or support the invoices submitted to the Owner. Audits conducted pursuant to this provision shall be in accordance with generally accepted auditing standards, procedures and guidelines of the Owner, or its designated representative. The Owner, or its duly authorized representatives, shall have access to such books, records, and documents for the purpose of inspection, audit and copying. The CMAR will provide proper facilities for such access and inspection.

9.02 Disclosure. The CMAR shall be afforded the opportunity for an audit entrance and exit conference and an opportunity to comment and submit any supporting documentation on the pertinent portions of the draft audit report, and that the final audit report will include the written comments, if any, of the CMAR.

9.03 Period of Maintenance. The books, records and other documents under Sections 9.01 and 9.02 of this Agreement shall be maintained for three (3) years after the date of the final payment for the services under this Agreement. In addition, those records and other documents which relate to any arbitration, litigation or the settlement of any claim arising out of this Agreement, or to which an audit exception has been taken, shall be maintained and made available until three (3) years after the date that the arbitration, litigation or exception has been resolved.

9.04 Subcontract Provisions. The CMAR agrees to include Sections 9.01 through 9.03 of this Agreement in all its subcontracts directly related to performance of services specified in this Agreement which are in excess of \$10,000.

SECTION TEN MISCELLANEOUS PROVISIONS

10.01 Suspension. The Owner may suspend, without cause, the performance by the CMAR under this Agreement for such period of time as the Owner, in its sole discretion, may prescribe by providing written notice to the CMAR. The suspension shall be effective as of the date set forth in the written notice. With such suspension, the Owner shall pay to the CMAR the reasonable value for the services performed as of the effective date of suspension less all previous payments. The CMAR shall not provide any further services under this Agreement after the effective date of suspension until otherwise notified in writing by the Owner. In no event shall the Owner be liable to the CMAR for services in excess of the percentage of the Project completed at the time of suspension.

If, after notice to resume performance has been given by the Owner, the suspension was for a period in excess of ninety (90) days, which has resulted in an increase in the performance of the Agreement to the CMAR and:

- (i) the CMAR was not a contributing cause for the suspension,
- (ii) the CMAR has not received an equitable adjustment under another provision of this Agreement, and
- (iii) the CMAR could not mitigate the increase in the performance cost, then the CMAR unpaid fee shall be reviewed by the Owner and, if justified, equitably adjusted to provide for any additional expenses resulting from the suspension.

10.02 Termination for Convenience. The Owner reserves the right to terminate this Agreement without cause

or default on the part of the CMAR with ten (10) days' prior written notification to the CMAR. Notification of the CMAR is deemed to have occurred on the date that the Owner either:

- (i) faxes a copy of the notice to the CMAR to the fax number provided in the Section entitled "Notice" of the Agreement, or
- (ii) deposits written notification with the United States Postal Service, postage prepaid, and addressed to the party and location contained in the Section entitled "Notice" of the Agreement.
- (iii) In the event of termination, without cause or default, the Owner agrees to pay to the CMAR the reasonable value for the services performed as of the date that notification of termination is received by the CMAR. In no event shall the Owner be liable to the CMAR for services in excess of the percentage completed at the time of termination.

10.03 Termination for Cause.

A. **Default.** The occurrence of any of the following events shall constitute a default by the CMAR hereunder (herein "Event of Default"):

- (i) the CMAR defaults in the due observance and performance of any term, condition or covenant contained in this Agreement;
- (ii) the CMAR (a) voluntarily terminates operations or consent to the appointment of a receiver, trustee or liquidator of the CMAR for all or a substantial portion of its assets, (b) is adjudicated bankrupt or insolvent or files a voluntary petition in bankruptcy, or admits in writing to the inability to pay its debts as they become due, (c) make a general assignment for the benefit of creditors, (d) file a petition or answer seeking reorganization or an arrangement with creditors or take advantage of any insolvency law, or (e) if action shall be taken by the CMAR for the purpose of effecting any of the foregoing;
- (iii) any warrant, execution or other writ is issued or levied upon any property or assets of the CMAR and continues unvacated and in effect for a period of thirty (30) days; or
- (iv) the CMAR, in the judgment of the Owner, fails to provide the services hereunder properly and with proper dispatch in accordance with the time schedule set forth in this Agreement; and
- (v) the default is continuing five (5) days after written notice is given to the CMAR pursuant to Section 10.18.

B. **Owner's Rights.** Upon the occurrence of an Event of Default the Owner may, without prejudice to any other right or remedy it may have at law or equity:

- (i) Terminate this Agreement, suspend payment of all pending invoices otherwise due to the CMAR hereunder, and finish this Agreement by such means as deemed appropriate by the Owner, reserving the right to deduct from any balance due CMAR the cost of completing this Agreement. In the event the cost of finishing the CMAR performance of this Agreement exceeds the balance due the CMAR, the excess shall be paid by the CMAR to the Owner within five (5) days of invoicing by the Owner, or
- (ii) Terminate this Agreement, and the obligations imposed hereunder, including the obligation of any further payment for the services of the CMAR except for the reasonable value for the services performed to the date of termination.

In the event that the Owner elects to implement (i) above, the costs and expenses of completion, this Agreement shall be computed and audited by the Owner's designated representative. The audit shall be conducted in accordance with generally accepted accounting principles and the cost thereof shall be paid by the CMAR.

10.04 Ownership of Documents.

A. Except for Consultants and subconsultants regulated under NRS Chapter 623, any and all test results, evaluations, reports, plans, drawings, specifications, studies and other documents (including magnetic or electronic media) prepared or assembled by the CMAR or any of its subcontractors which are related to the performance of this Agreement are deemed to be the property of the Owner. In the event of completion or termination of this Agreement, the Owner reserves the right to require delivery of any and all test results, evaluations, reports, plans, drawings, specifications, studies and other documents (including magnetic or electronic media) not in its possession. The CMAR shall be entitled to retain a reproducible copy of such test results, evaluations, reports, plans, drawings, specifications, studies and other documents furnished to the Owner.

B. The test results, evaluating reports, plans, drawings, specifications, studies or other documents (including magnetic or electronic media) which are given, prepared or assembled by the CMAR or subcontractors under this Agreement shall not be made available to any individual or organization without the prior written consent of the

Owner. Except for marketing pamphlets and submittals to clients, the CMAR shall not publish, submit for publication, or publicly display the Project without the written consent of the Owner.

10.05 Insurance. The CMAR shall procure and maintain, at its own expense, during the entire term of the Contract, the following coverage(s):

A. Workmen's Compensation Insurance. Workers' Compensation Insurance protecting the CMAR and the City from potential Company employee claims based upon job-related sickness, injury, or accident, during performance of this Contract, and must submit proof of such insurance on a certificate of insurance issued by an insurer qualified to underwrite workers' compensation insurance in the State of Nevada, in accordance with NRS 616A-616D, inclusive. If CMAR is a sole proprietor, it will be required to submit an affidavit indicating that the company has elected not to be included in the terms, conditions and provisions of NRS 616A-616D, inclusive, and is otherwise in compliance with those terms, conditions and provisions.

B. Commercial General Liability Insurance. Commercial General Liability Insurance (bodily injury, property damage) with respect to the Company's agents assigned to the activities performed under this Contract in a policy limit of not less than \$1,000,000.00 per occurrence and \$2,000,000.00 in the aggregate, for bodily injury (including death), personal injury and property damages. Such coverage shall be on an "occurrence" basis and not on a "claims made" basis, and be provided on either a Commercial General Liability or a Broad Form Comprehensive General Liability (including a Broad form CGL endorsement) insurance form. The form must be written on an ISO Form CG 00 01 10 01, or an equivalent form.

C. Automobile Liability Insurance. Commercial Automobile Liability Insurance of limits no less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage to include, but not be limited to, coverage against all insurance claims for injuries to persons or damages to property which may arise from services rendered by Company and any auto used to the performance of services under this Contract. The policy must insure all vehicles **owned** by the Company and include coverage for **hired** and **non-owned** vehicles.

D. Acceptable Insurance Company. The insurance company providing any of the insurance coverage required herein shall have a Best's Key rating of A VII or higher, (i.e., A VII, A VIII, A IX, A X, etc.) and shall be subject to approval by the Owner. Each insurance company's rating as shown in the latest Best's Key Rating Guide shall be fully disclosed and entered on the required certificate of insurance.

E. Certificates and Endorsements. CMAR must provide required insurance documentation to Insurance Tracking Services (ITS) immediately upon notification of selection. Award is conditional upon verification by ITS that all insurance requirements have been met. All policy certificates and endorsements are required to be an agent authorized by that insurer and who is licensed by the State of Nevada. All required aggregate limits must be disclosed and amounts entered on the certificate(s) of insurance. The certificates must identify the Contract number and the Contract description. The CMAR shall maintain coverage for the duration of this Contract, and any renewal periods, if applicable. The CMAR shall annually provide ITS with a certificate of insurance as evidence that all insurance requirements have been met. The CMAR and/or insurance carrier shall provide the Owner with a 30 day advance notice of policy modification, cancellation or erosion of insurance limits, sent by certified mail "return receipt requested".

Submit certificates of insurance to:

City of Las Vegas
C/O Insurance Tracking Services, Inc. (ITS)
P.O. Box 21919
Long Beach, CA 90801

Account Manager: Michael Palacios
Phone: (888) 435-2955 ext. 503
Fax: 562-435-2999
Email: michael.palacios@instracking.com

A certified, true and exact copy of each of the project specific insurance policies (including renewal policies) required herein shall be provided to the Owner if so requested.

F. Additional Insured. The City, its Mayor and Councilmen, officers, employees, and agents shall be named as additional insured and such notation shall appear on the certificate of insurance furnished by the CMAR's insurance carrier. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer and licensed by the State of Nevada. Each insurance carrier's rating as shown in the latest Best's Key Rating Guide shall be fully disclosed and entered on the required certificate of insurance.

G. Premiums, Deductibles and Self-Insured Retentions. The CMAR shall be responsible for payment of premiums for all of the insurance coverages required under this Section 10. The CMAR further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the CMAR is responsible hereunder, the CMAR shall be solely responsible for all deductibles and self-insured retentions. Any deductibles or self-insured retentions over \$750,000 in the Contractor insurance must be declared and approved by Owner.

H. Cancellation or Modification of Coverage. Each insurance policy supplied by the CMAR shall automatically include or be endorsed to cover the CMAR contractual liability to the Owner under this Agreement, to waive subrogation against the Owner, its officers, agents, servants and employees, and to provide that the coverage shall not be suspended, voided, canceled or reduced in coverage or in limits except after ten (10) days written notice in the case of non-payment of premiums, or thirty (30) days written notice in all other cases, has been given to the Owner by certified mail, return receipt requested. This notice requirement does not waive the insurance requirements contained herein. If the CMAR fails to carry the required insurance, the Owner may (i) order the CMAR to stop further performance hereunder, declare the CMAR in breach, pursuant to Paragraph 10.03, terminate the Contract if the breach is not remedied and, if permitted, assess liquidated damages, or (ii) purchase replacement insurance and withhold the costs or premium payments made from the payments due to the CMAR or charge the replacement insurance costs back to the CMAR.

I. Renewal Policies. The CMAR shall promptly deliver to ITS a certificate of insurance with respect to each renewal policy, as necessary to demonstrate the maintenance of the required insurance coverage for the terms specified herein. Such certificate shall be delivered to ITS not less than 30 days prior to the expiration date of any policy and bear a notation evidencing payment of the premium thereof.

J. No Recourse. There shall be no recourse against Owner for the payment of premiums or other amounts with respect to the insurance required from the CMAR under this Section 10.

K. Period of Coverage. If the insurance coverage is underwritten on a "claims made" basis, the retroactive date shall be prior to or coincident with the date of this Agreement and the Certificate of Insurance shall state that coverage is "claims made" and the retroactive date. Upon availability, the CMAR shall maintain coverage for the duration of this Agreement and for two years following completion of this Agreement. The CMAR shall provide the Owner annually a Certificate of Insurance as evidence of such insurance.

L. Waiver of Subrogation. The CMAR shall also provide a waiver of subrogation for the General Liability, Automobile and Workman's Compensation Policies. **This waiver must be given by endorsement.**

M. Subcontractor or Subconsultant. Any subcontractor or subconsultant approved by the Owner shall be required to procure, maintain and submit proof of insurance to ITS of the same insurance requirements as specified above, and as required in this paragraph.

N. Additional Insurance. The CMAR is encouraged to purchase any additional insurance as it deems necessary.

O. Remedy of Outstanding items. The CMAR is required to remedy all injuries to persons and damage or loss to any property of the Owner, caused in whole or in part by the CMAR, its subcontractors or anyone employed, directed or supervised by the CMAR.

10.06 Indemnity. Notwithstanding any of the insurance requirements set forth in Section 10.05, and not in lieu thereof, the CMAR shall defend, indemnify and hold the City, its Mayor, Councilmen, officers, employees and agents (herein the "Indemnities"), harmless from any and all claims (including, without limitation, patent infringement and copyrights claims), damages, losses, expenses, suits, actions, decrees, judgments, arbitration awards or any other form of liability (including, without limitation, reasonable attorney fees and court costs) (collectively herein the "Claims") to the extent that such Claims are caused by the negligence, errors, omissions, recklessness or intentional misconduct of the CMAR, its employees, subcontractors, agents or anyone employed the CMAR's subcontractors or agents, in the performance of this Agreement.

As part of its obligation hereunder, the CMAR shall, at its own expense, defend the Indemnitees against the Claims brought against them, or any of them, which is caused by the negligence, errors, omissions, recklessness or intentional misconduct of the CMAR, its employees, subcontractors or agents, for and against which the CMAR is obligated to indemnify the Indemnitees pursuant to this Section, unless the Indemnitees, or any of them elect to conduct their own defense which, in such case, shall not relieve the CMAR of its obligation of indemnification set

forth herein. If the CMAR or the CMAR's insurer fails to defend the Indemnities as required herein, the Indemnitees shall have the right, but not the obligation, to defend the same and, if the CMAR is adjudicated by the trier of fact to be liable, the CMAR agrees to pay the direct and incidental costs of such defense (including attorney fees and court costs) which is proportionate to the liability of the CMAR.

As used in this Section 10.06, "agents" means those persons who are directly involved in and acting on behalf of the City or the CMAR, as applicable, in furtherance of the contract or the public work to which the contract pertains.

10.07 Assignment. The Owner and the CMAR each bind itself and its partners, successors, administrators and assigns to the other party of this Agreement and to the partners, successors, executors, administrators and assigns of such other party in respect to all covenants of this Agreement, except the CMAR shall not assign, sublet or transfer any obligation or benefit under this Agreement without the written consent of the Owner. Nothing contained herein shall be construed as creating any personal liability on the part of any officer or agent of the Owner.

10.08 Waiver. No consent or waiver, express or implied, by either party to this Agreement, or of any breach or default by the other in the performance of any obligations hereunder, shall be deemed or construed to be a consent or waiver of any other breach or default by such party hereunder. Failure on the part of any party hereto to complain of any act, or failure to act of the other party, or to declare that other party in default hereunder, irrespective of how long such failure continues, shall not constitute a waiver of the rights of such party hereunder. Inspection, payment, or tentative approval or acceptance by the Owner or the failure of the Owner to perform any inspection hereunder, shall not constitute a final acceptance of the Work or any part thereof and shall not release the CMAR of any of its obligations hereunder.

10.09 CMAR Warranties. The CMAR hereby represents and warrants:

- (i) That it is financially solvent, able to pay its debts as they mature, and is possessed of sufficient working capital to complete this Agreement; that it is experienced, competent, qualified and able to furnish the plant, tools, materials, supplies, equipment and labor which is used to perform the services contemplated by this Agreement, and that it is authorized to do business in the State of Nevada.
- (ii) That it holds a license, permit or other special license to perform the services included in this Agreement, as required by law, or employs or works under the general supervision of the holder of such license, permit or special license.
- (iii) That its computer hardware, software, and firmware will continue functioning without interruption, and will continue to accurately process date, time, and data necessary to the performance of this Agreement.

10.10 CMAR Employees. The CMAR shall be responsible for maintaining satisfactory standards of competency, conduct and integrity, of personnel assigned to the Project, and shall be responsible for taking such disciplinary action with respect to such personnel as may be necessary. In the event the CMAR fails to remove any employee from the Work of this Agreement whom the Owner deems incompetent, careless or insubordinate, or whose continued employment on the Work is deemed by the Owner to be contrary to the public interest, the Owner reserves the right to require such removal as a condition for the continuation of this Agreement.

10.11 Independent Contractor. It is hereby expressly agreed and understood that in the performance of the services required herein, the CMAR and any other person employed by him hereunder shall be deemed to be an independent contractor and not an agent or employee of the Owner.

10.12 Applicable Law. This Agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

10.13 Compliance with Laws. The CMAR shall in the performance of its obligations hereunder comply with all applicable laws, rules and regulations of all governmental authorities having jurisdiction over the performance of this Agreement including, without limitation, the Federal Occupational Health and Safety Act and all state and federal laws prohibiting and/or related to discrimination by reason of race, sex, age, religion or national origin.

10.14 Severability. In the event that any provisions of this Agreement shall be held to be invalid or unenforceable, the remaining provisions of this Agreement shall remain valid and binding on the parties hereto.

10.15 Confidentiality. The CMAR shall treat the information relating to the Project, which has been produced

by the CMAR or provided by the Owner, as confidential and proprietary information of the Owner and shall not permit its release to other parties or make any public announcement or publicity release without the Owner's written authorization. The CMAR shall also require each subcontractor to comply with this requirement.

10.16 Site Inspection. The CMAR represents that it has visited the location of the Project and has satisfied itself as to the general condition thereof and that the CMAR compensation as provided for in the Agreement is just and reasonable compensation for performance hereunder including reasonably foreseen and foreseeable risks, hazards and difficulties in connection therewith based on such above-ground observations.

10.17 Modification. All modification or amendments to this Agreement are null and void unless reduced in writing and signed by the parties hereto.

10.18 Notice. Any written notice required to be given under Sections 1.01 through 10.24 of this Agreement shall be deemed to have been given when the written notice is (i) received by the party to whom it is directed by personal service (ii) telephonically faxed to the telephone number below provided confirmation of transmission is received by the sender, or (iii) deposited with the United States Postal Service, postage prepaid, addressed as follows:

CITY: Manager, Purchasing & Contracts
City Hall, 1st Floor
400 Stewart Avenue
Las Vegas, Nevada 89101

and

Director of Public Works
Development Service Center
333 N. Rancho Drive Las Vegas, NV 89106

CMAR: McCarthy Building Companies, Inc.
Randy Highland
2340 Corporate Circle, Suite 125
Henderson, Nevada 89074

10.19 Prohibition Against Contingent Fees. The CMAR warrants that no person or entity has been employed or retained to solicit or secure this Agreement with the Agreement or understanding that a commission, percentage, brokerage or contingent fee would be paid to that person. For breach or violation of this provision, the Owner shall have the right to annul this Agreement without liability or, in its discretion, to deduct from the compensation to be paid to the CMAR, or otherwise recover, the full amount of such commission, percentage, brokerage or contingent fee.

10.20 Claim or Dispute Resolution.

A. **Notice of Claim or Dispute.** For each claim or dispute which the CMAR has against or with the Owner, notice thereof must be submitted in writing to the Owner's Representative within a reasonable time after the claim or dispute arises, but no later than thirty (30) days after final payment is made to the CMAR. The Owner's Representative and the CMAR Representative shall meet within a reasonable time after receipt of the written notice in an attempt to resolve the claim or dispute to the mutual satisfaction of the parties. The purpose of written notification is to place the Owner on notice so that proper measures can be taken to properly defend against the claim or dispute, and the failure to give such notice shall preclude the CMAR from subsequently arbitrating that particular claim or dispute pursuant to Section 10.20C of this Agreement, and the CMAR shall have no further recourse against the Owner.

B. **Resolution by Management.** Any claim or dispute described in Section 10.20A of this Agreement which is not disposed of by mutual agreement between the Owner's Representative and the CMAR Representative shall be decided by the Director of Public Works, whose decision shall be reduced to writing and mailed or otherwise furnished to the CMAR. The decision of the Director of Public Works shall be final and conclusive unless, within thirty (30) days after the date on which the CMAR receives its copy of such decision, the CMAR mails or otherwise furnishes to the Director of Public Works a written request to arbitrate the claim or dispute, in which event the parties shall proceed with the arbitration pursuant to provisions of Section 10.20B. Pending the final decision on the claim or dispute under this Section 10.20B or Section 10.20C, the CMAR shall proceed diligently

with the performance of this Agreement.

C. **Resolution by Arbitration.** Upon receipt of the request to arbitrate authorized pursuant Section 10.20B, the Owner and the CMAR shall come to an agreement as to the appointment of an arbitrator for purposes of hearing the appeal. If the parties cannot reach such an agreement, then each party shall select an arbitrator for purposes of the appeal, and the two shall select a third arbitrator within 20 days of their appointment. If the selected arbitrators are unable to agree upon the third arbitrator, the third arbitrator shall be selected by the American Arbitration Association or the Nevada Arbitration Association, whichever is designated by the Owner for such selection. The decision of the arbitrator, or arbitrators, as the case may be for the determination of the appeal, shall be final and conclusive. Each party shall be afforded an opportunity to be heard and to offer evidence in support of or against the appeal. Any decisions resulting from the arbitration shall be binding and enforceable under the laws of the State of Nevada.

D. **Right of Consolidation.** Any arbitration arising out of or relating to this Agreement may include, by consolidation, joinder or in any other manner, any additional party or parties who are not a party to this Agreement if so requested by the Owner or the CMAR. Any consent to arbitration involving an additional party or parties shall not constitute consent to arbitrate any claim or dispute not described as a part of the original arbitration unless otherwise agreed to by the parties.

E. **Right of Joinder.** In the event the Owner is named as a party to any arbitration, or the Owner commences an arbitration against a party other than the CMAR, which action arises out of, results from or is connected with the construction of the Project or the performance of the CMAR services hereunder, the CMAR agrees and irrevocably consents to be joined as a party in the arbitration proceeding and to be bound by any decision resulting therefrom. The consent to be included as part of the arbitration includes the consent that any decision resulting therefrom shall be binding and enforceable against the Parties thereto under the laws of the State of Nevada. None of the time provisions imposed under Section 10.20 A shall apply to the joinder rights provided herein in such a way as to preclude the Owner from joining the CMAR as a party to the arbitration proceeding which the Owner commences or is named as a party thereto.

If the CMAR is named as an additional party by the Owner, the CMAR shall not be entitled to any additional compensation from the Owner as a result of preparing for, and participating in, the arbitration.

F. **Discovery.** In the event of arbitration, the parties agree that all means of discovery including, but not limited to, depositions and interrogatories, will be afforded to the parties involved in the arbitration, and the appointed arbitrator shall have all authority to impose sanctions against either party for failing to comply with the rules of discovery provided under the Nevada Rules of Civil Procedure.

G. **Award Final.** The award rendered by the arbitrator shall be final, and judgment may be entered upon its accordance with applicable law in any court having jurisdiction thereof.

H. **Mediation.** By mutual written consent, in addition to and prior to arbitration, the parties may endeavor to settle disputes by mediation in accordance with the mediation rules of the mediation service agreed by the parties. The notice of arbitration shall be tolled from the date written request for mediation is received by either party from the other party through the date that the mediation request is either rejected, or the mediation is completed.

I. The laws of the State of Nevada shall govern this Agreement and the venue for purposes of such arbitration shall be in the City.

10.21 Conflict of Interest. An official of the City, who is authorized in such capacity and on behalf of the City to negotiate, make, accept or approve, or take part in negotiating, making, accepting, or approving this Contract, payments under this Contract, or work under this Contract, shall not be directly or indirectly interested personally in this Contract or in any part hereof. No officer, employee, architect, attorney, engineer or inspector of, or for the City, who is authorized in such capacity and on behalf of the City to exercise any legislative, executive, supervisory or other similar functions in connection with this Contract, shall become directly or indirectly interested personally in this Contract or in any part hereof, any material supply contract, subcontract, insurance contract, or any other contract pertaining to this Contract.

Each party represents that it is unaware of any financial or economic interest of any public officer or employee of the City relating to this Contract. Notwithstanding any other provision of this Contract, if such interest becomes

known, the City may immediately terminate this Contract for default or convenience, based on the culpability of the parties.

The Company represents and warrants that it has, in accordance with the current policy of the City, disclosed the ownership and principals of the Company on Attachment 1 (Certificate – Disclosure of Ownership/Principals), and that it has a continuing obligation to update this disclosure whenever there is a material change in the information contained therein.

10.22 Calendar Day. All references in this Agreement to days are to calendar days unless otherwise indicated.

10.23 Public Records. The City is a public agency as defined by state law. As such, it is subject to the Nevada Public Records Law (Chapter 239 of the Nevada Revised Statutes). The City's Records are public records, which are subject to inspection and copying by any person (unless declared by law to be confidential). This Contract, all supporting documents, and proposals submitted under the original Request for Proposal are deemed to be public records.

10.24 Severability. The invalidity, illegality, or unenforceability of any provision of this Contract or the occurrence of any event rendering any portion or provision of this Contract void shall in no way affect the validity or enforceability of any other portion or provision of this Contract. Any void provision shall be deemed severed from this Contract, and the balance of this Contract shall be construed and enforced as if this Contract did not contain the particular portion or provision held to be void. The parties further agree to amend this Contract to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this clause shall not prevent this entire Contract from being void should a provision which is of the essence of this Contract be determined void

10.25 Counterpart Signatures. This Contract may be executed in counterparts, all such counterparts will constitute the same contract and the signature of any party to any counterpart will be deemed a signature to, and may be appended to, any other counterpart. Executed copies hereof may be delivered by facsimile or e-mail and upon receipt will be deemed originals and binding upon the parties hereto, regardless of whether originals are delivered thereafter.

10.25 Exhibits.

The following attachments and exhibits are hereby incorporated into this contract:

<u>Identifier</u>	<u>Title/Text Reference</u>	<u>Date</u>	<u>Pages</u>
Attachment 1	Disclosure of Ownership	8/21/2011	2
Exhibit A	Scope of Services	8/29/2011	24
Exhibit B	Additional Preconstruction Services	8/29/2011	4
Exhibit C	Preconstruction Services Performance Schedule	8/29/2011	1
Exhibit D	Preconstruction Services Payment Schedule	8/26/2011	17
Exhibit E	Additional Preconstruction Services Compensation	8/26/2011	7
Exhibit F	Key Personnel List for Preconstruction Services	8/29/2011	1
Exhibit G	Fee Structure Proposal for Construction Services	8/26/2011	3

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed by their duly authorized representatives.

CITY OF LAS VEGAS

KATHLEEN C. RAINEY, Manager
Purchasing and Contracts

"City"

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

APPROVED AS TO FORM:

John S. Radilla 9/1/11
Deputy City Attorney Date

CMAR

RAY SEDAY, Executive Vice President

"CMAR"

CERTIFICATE DISCLOSURE OF OWNERSHIP/PRINCIPALS

1. Definitions

"City" means the City of Las Vegas.

"City Council" means the governing body of the City of Las Vegas.

"Contracting Entity," means the individual, partnership, or corporation seeking to enter into a contract or agreement with the City of Las Vegas.

"Principal" means, for each type of business organization, the following: (a) sole proprietorship – the owner of the business; (b) corporation – the directors and officers of the corporation; but not any branch managers of offices which are a part of the corporation; (c) partnership – the general partner and limited partners; (d) limited liability company – the managing member as well as all the other members; (e) trust – the trustee and beneficiaries.

2. Policy

In accordance with Resolution 79-99 and 105-99 adopted by the City Council, Contracting Entities seeking to enter into certain contracts or agreements with the City of Las Vegas must disclose information regarding ownership interests and principals. Such disclosure generally is required in conjunction with a Request for Proposals (RFP). In other cases, such disclosure must be made prior to the execution of a contract or agreement.

3. Instructions

The disclosure required by the Resolutions referenced above shall be made through the completion and execution of this Certificate. The Contracting Entity shall complete Block 1, Block 2, and Block 3. The Contracting entity shall complete either Block 4 or its alternate in Block 5. Specific information, which must be provided, is highlighted. An Officer or other official authorized to contractually bind the Contracting Entity shall sign and date the Certificate, and such signing shall be notarized.

4. Incorporation

This Certificate shall be incorporated into the resulting contract or agreement, if any, between the City and the Contracting entity. Upon execution of such contract or agreement, the Contracting Entity is under a continuing obligation to notify the City in writing of any material changes to the information in this Certificate. This notification shall be made within fifteen (15) days of the change. Failure to notify the City of any material change may result, at the option of the City, in a default termination (in whole or in part) of the contract or agreement, and/or a withholding of payments due the Contracting Entity.

Block 1 Contracting Entity
McCarthy Building Companies, Inc.
2340 Corporate Circle, Ste 125
702/990-6707
DUNS 00-195-1375

Block 2 Description
WPCF INFRASTRUCTURE REPLACEMENT PRECONSTRUCTION SERVICES
Contract No. 11.53541.01-LED

Block 3	Type of Business
☐ Individual	☐ Partnership
☐ Limited Liability Company	☒ Corporation
	☐ Trust
	☐ Other:

CERTIFICATE – DISCLOSURE OF OWNERSHIP/PRINCIPALS (CONTINUED)

Block 4 Disclosure of Ownership and Principals

In the space below, the Contracting Entity must disclose all principals (including partners) of the Contracting Entity, as well as persons or entities holding more than one-percent (1%) ownership interest in the Contracting Entity.

	FULL NAME/TITLE	BUSINESS ADDRESS	BUSINESS PHONE
1.	Greatbank Trust Company – As trustee for the McCarthy Employee Stock Ownership Plan	801 Warrenville Road Suite 500 Lisle, IL 60532	630-810-4525
2.			
3.			
4.			
5.			
6.			
7.			
8.			

The Contracting Entity shall continue the above list on a sheet of paper entitled "disclosure of Principals – Continuation" until full and complete disclosure is made. If continuation sheets are attached, please indicate the number of sheets: ____.

Block 5 DISCLOSURE OF OWNERSHIP AND PRINCIPALS – ALTERNATE

If the Contracting Entity, or its principals or partners, are required to provide disclosure (of persons or entities holding an ownership interest) under federal law (such as disclosure required by the Securities and Exchange Commission or the Employee Retirement Income Act), a copy of such disclosure may be attached to this Certificate in lieu of providing the information set forth in Block 4 above. A description of such disclosure documents must be included below.

Name of Attached Document: _____

Date of Attached Document: _____ Number of Pages: _____

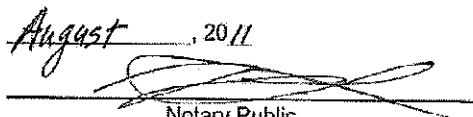
I certify under penalty of perjury, that all the information provided in this Certificate is current, complete and accurate. I further certify that I am an individual authorized to contractually bind the above named Contracting Entity

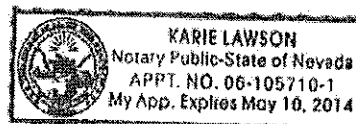

Raymond Sedey

August 26, 2011

Subscribed and sworn to before me this 26th day of

August, 2011


Notary Public



Project Description

This Scope of Services describes the tasks to be provided by McCarthy Building Companies, Inc. (CMAR Contractor) for construction manager at risk services during the preconstruction process of the PROJECT. The PROJECT generally consists of design and subsequent construction of two new BNR process trains, each with a capacity of 15 mgd, in the northwest corner of the WPCF site. Key components of the PROJECT are anticipated to include:

- Bypass Piping around the Headworks Facility
- Primary Clarifiers
- Primary Effluent Pump Station
- BNR Basins using the UTC and A20 Processes
- Secondary Clarifiers
- Blower Building and Aeration System
- Gravity Thickeners
- Odor Control System
- TWAS Storage and Thickening Facility Modifications
- Associated Piping and Appurtenances

1. Project Kick-Off Meeting

A Project Kick-Off Meeting will be held with the OWNER and CONSULTANT. At this meeting, details contained within the Project Execution Plan will be presented and discussed. The overall schedule will be reviewed. If necessary, the Project Execution Plan will be revised to reflect input received at the meeting. Meeting minutes will be prepared and distributed to attendees.

TASK 1 DELIVERABLES to be provided to OWNER

Meeting Minutes
Input on Project Execution

2. 10% Preliminary Design**2.1. Review Draft Preliminary Design Report**

CMAR Contractor will review the PDR and associated documentation to create a baseline for the cost model and prepare for initial Design workshops.

TASK 2 DELIVERABLES to be provided to OWNER

Cost Model Questionnaire
Construction related comments to the PDR

3. General Preconstruction Services**3.1. Solicit Partnering Facilitator**

CMAR Contractor will solicit and hire a Partnering Facilitator for the PROJECT team. CMAR will ensure the facilitator is not an employee of the CMAR, CONSULTANT or the OWNER. The facilitator will be available for an initial meeting.

3.2 Initial Partnering Workshop

CMAR Contractor will attend an initial partnering workshop to be held with the CONSULTANT and the OWNER.

3.3. Project Team Meetings

CMAR Contractor will attend routine progress meetings with the OWNER and the CONSULTANT. The CMAR Contractor will also attend other meetings as may be required to review particular issues. For the purposes of preparing the initial and subsequent cost models, managing the Dynamic estimating process with its deliverables, and providing on-going cost trending and constructability input, it is assumed that meetings will be held bi-weekly (every other week) for the duration of the preconstruction process.

3.4. Team Meetings with Other Contractors & Current Projects

CMAR Contractor will participate in meetings with the OWNER, CONSULTANT and Contractors & Designers of other projects expected to be in progress during the design and construction of this PROJECT. A total of 160 Hours have been allotted for this task.

3.5. Trend Log Development and Updates

CMAR Contractor will maintain a Trend Log for the PROJECT. The Trend Log will track proposed program or design changes, alternate system cost evaluations, OWNER requested changes, value analysis and constructability changes. This log will be continuously updated throughout the preconstruction process allowing the CMAR, OWNER and CONSULTANTS to manage the construction budget between cost model milestone updates.

3.6. Permit Submission Assistance

CMAR Contractor will assist the OWNER and CONSULTANTS with constructability related information being submitted to the various agencies.

3.7. Construction Market Survey Report

CMAR Contractor will provide market survey reports within 60 days of contract award and will update at 60% and 90% design document stages. This will be made available to the OWNER for review of the current market trends. This tool will help with making decisions as to when the best time is to buy process equipment and long lead materials.

3.8. Design Workshop meetings with CONSULTANT weekly in-house

CMAR Contractor will attend the CONSULTANT's weekly in-house meetings providing cost and constructability input as the design progresses. For purposes of estimating cost, these meetings will be held weekly throughout the preconstruction process.

3.9. Develop and Update Construction Management Plan

The Construction Management Plan is a summary document provided to the management team including the Owner, Engineer, and CMAR personnel that includes the deliverables associated with the preconstruction process. The plan would be updated at intervals agreed to with the team, potentially at design/cost model milestone dates. This report would also detail revisions and updates from the original submission.

Documents that could be included in this plan include:

- Safety Plan

- Site Specific Quality Control Plan
- Trend Log
- Pot Holing Log
- Site Logistics Plan
- Subcontracting Plan
- Procurement Plan
- Design Phase Schedule
- Construction Schedule
- Constructability Report
- Value Analysis Report
- MOPO Log

TASK 3 DELIVERABLES to be provided to OWNER

Partnering Meeting Minutes
Meeting Minutes
Trend Log Updates
Construction Market Survey Report
Construction Management Plan

4. Field Investigation**4.1. Surface Exploration**

CMAR Contractor will provide surface investigations verifying locations of landmarks, buildings, control points, utility locations obstructions and obstacles that may be encountered during construction. A Surface Investigation Report of the findings will be provided to the OWNER and CONSULTANT of any conflicts or other concerns in relation to the proposed design.

4.2. Review Geotechnical Design Report

CMAR Contractor will review the geotechnical design report for the PROJECT, provided by the CONSULTANT. A Geotechnical Review Report of the findings will be provided to the OWNER and CONSULTANT outlining construction related opportunities or conflicts.

4.3. Review Corrosion Report

CMAR Contractor will review the corrosion report for the PROJECT, provided by the CONSULTANT. A Corrosion Review Report outlining construction related opportunities or conflicts will be provided to the OWNER.

4.4. Review TOPO and Survey Control Plan

CMAR Contractor will review the TOPO and survey control plan for the PROJECT, provided by the CONSULTANT. This will include verification in relation to the existing site.

4.5. MOPO Plan Development

Every outage, utility tie-in, and structure modification will be identified in a MOPO log to establish a review agenda. A MOPO team will be created to include participation from the

Owner, Engineer and CMAR Contractor to generate a comprehensive work plan for each activity identified on the log.

4.6. Site Logistics Plan

CMAR Contractor to develop and update a site logistics plan which defines construction delivery points, staging areas, trailer compound location, construction worker parking and temporary entrances or exits, ensuring minimal disruption to the OWNER and existing facility.

TASK 4 DELIVERABLES to be provided to OWNER

Surface Investigation Report
Geotechnical Review Report
Corrosion Review Report
MOPO Plan
Site Logistics Plan

5. Assist in Life Cycle Cost Analysis

5.1. Life Cycle Information Required from Vendors & Subcontractors

CMAR Contractor will provide analysis and review of documents, necessary to solicit information from vendors and suppliers for the PROJECT. This will include organizing of information provided by the CONSULTANT and OWNER in regards to the design requirements. This information will be assembled in packages in preparation for solicitation of the necessary information from vendors and suppliers.

5.2. Solicit Information from Vendors & Suppliers

CMAR Contractor will solicit information from the vendors and manufacturers as requested and provided documentation to the design team.

TASK 5 DELIVERABLES to be provided to OWNER

Life Cycle Comparison Documentation

6. Identify Long Lead Items & Create a Procurement Plan

6.1. Identify Long Lead Items

CMAR Contractor will identify Long Lead Process Equipment and materials that will affect schedule or increase costs due to potential escalation. The information will be provided to allow the team to make informed decisions regarding GMP's which will allow for early procurement of market sensitive materials.

6.2. Develop & Submit Procurement Plan

CMAR Contractor will assemble front end bidding documents for the PROJECT. These front ends, along with drawings, specifications, schedules and project specific requirements will be developed to include a focus on the pre-purchase equipment packages will be issued to a list of suppliers that have been pre-qualified based on experience, technical expertise, local involvement and NRS requirements.

6.3. Develop & Submit M/W/DVBE Plan & Outreach

CMAR Contractor will work with the OWNER to develop a M/W/DVBE outreach program. They will identify goals and key factors for the PROJECT to maximize M/W/DVBE participation in the program through first-tier and lower tier subcontractors and suppliers.

6.4. Subcontracting Plan

CMAR Contractor will generate an Invitation to Bid List for the PROJECT based upon license verification, trade specialty, subcontractor financial resources, subcontractor experience and projected subcontractor workload.

6.4.1 Request for Subcontractor Qualification Process per NRS 338 (Revised per SB 268)

The CMAR Contractor will perform the following items if a single GMP is selected following the new NRS 338, revised per SB 268. The CMAR Contractor will work with plan and execute a subcontractor qualification process. Tasks will include, but are not limited to, the following:

- Public Advertisement
- Pre-Submission Meeting
- 21 Day Qualification Period
- CMAR Contractor to Recommend Qualification to OWNER
- OWNER to approve qualification list
- Protest Period up to 45 days (10 days is the goal)

Legal or other costs incurred due to a Protest, are not included in this proposal and will be billed at actual rates. Please note that this may change due to legislation changes.

6.4.2 Request for Proposal per NRS 338 (Revised per SB 268)

The CMAR Contractor will perform the following items if a Single GMP Submission is selected following the new NRS 338, revised per SB 268. The CMAR Contractor will issue requests for proposals based on, but not limited to, the following tasks:

- Public Advertisement
- Mandatory Pre-proposal Meeting
- 21 day bid period
- Open Process between OWNER and CMAR Contractor
- 10 day Review/Recommend Period
- OWNER approval of Subcontractor Selection

Please note that this may change due to legislation changes.

TASK 6 DELIVERABLES to be provided to OWNER

Procurement Plan
M/W/DVBE Plan
Copy of Publicly Advertised Request for Qualifications
Copy of Publicly Advertised Request for Proposals
Subcontractor Request for Qualifications
Subcontractor Request for Proposals
Bid Analysis
Recommendation of Award

7. Master Design & Construction Schedule

7.1. Prepare Master Design Phase Schedule

CMAR Contractor will prepare the Master Design Schedule for the preconstruction phase of the PROJECT. The schedule will reflect the overall schedule of completion goals, major project milestones and the detailed front-end activities including construction at a summary level. The CMAR Contractor will work with the CONSULTANT and assume responsibility of the design schedule after the 30% Schematic Design documents.

7.2. Prepare Construction Phase Schedule

CMAR Contractor will prepare a construction schedule for the PROJECT. The construction schedule will establish construction durations and milestone dates for the Construction Phase of the PROJECT.

7.3. Maintain & Update Design Phase Schedule

The PROJECT schedule will be reviewed weekly by the CMAR Contractor and updated on a monthly basis.

TASK 7 DELIVERABLES to be provided to OWNER

Master Design Schedule
Master Design Schedule Updates
Construction Schedule

8. 3D Modeling**8.1. Review of 3D Model**

CMAR Contractor will review and further develop the Level 200 Model created by the CONSULTANT to assist with the cost model process, constructability reviews, and planning of the project during Preconstruction. This will help in planning for ways to finish work correctly, the first time during construction.

9. 30% Schematic Design**9.1. Develop Initial Cost Model**

CMAR Contractor will develop its own initial cost model which will be identified as the 30% Schematic Design Cost Model after receipt of the 30% Schematic Design Drawings. This will include quantifying, pricing and determining design intent filling in the gaps for a complete cost model. Once reconciled with the designer's cost consultant, this will be used as a baseline for comparison as the design progresses and will be recorded and used in conjunction with the Trend Log. Copies of this initial cost model will be presented to the OWNER and CONSULTANT.

9.2. 30% Technical Design Project Meetings

CMAR Contractor will participate in technical design project meetings with the OWNER and CONSULTANT in order to further understand the design of the project ensuring an accurate cost model and enhance the Constructability and Value Analysis (VA) workshops. Meeting minutes will be kept and provided for review from these meetings by the CMAR Contractor.

9.3. 30% Constructability Review Work Shops

CMAR Contractor will hold internal constructability review workshops with the preconstruction and construction staff members and generate a Constructability Review Log for the Owner and Design team. The log will be updated to detail status of each item identified in the process. The following items are typically identified and tracked on the log.

- Suggested Construction detail revisions
- Suggested Material revisions and alternates
- Plan details are referenced correctly
- Identify Scope Gaps
- Specifications related to the project are incorporated in plans
- Suggested Value Analysis / Potential Cost Savings
- Suggested means and methods of construction

9.4. 30% Constructability Review Reports

CMAR Contractor will provide the findings of the 30% Constructability Review workshop to the OWNER and CONSULTANT in a Constructability log that will be used throughout the project and updated as preconstruction progresses. Items identified during this workshop and throughout the preconstruction process will be tracked discussed, incorporated, removed or addressed ensuring a complete set of documents at the end of the preconstruction phase.

9.5. Review and Comment on Process Control Narratives

CMAR Contractor will review and comment on the Process Control Narrative issued by the CONSULTANT to identify and report on construction related opportunities and issues.

9.6. Value Analysis (VA) Work Shops

CMAR Contractor will facilitate VA Workshops with the OWNER and CONSULTANT to evaluate the PROJECT documents at each design phase in order to identify possible ideas or areas where cost savings could be realized without significant delays to the issuance of the bidding documents. CMAR Contractor will provide information on the relative cost of various systems or materials, which may be more cost effective to the OWNER.

9.7. Value Analysis (VA) Log

CMAR Contractor will utilize the VA log to present various alternate methods and/or material options available to the Owner along with their associated cost and anticipated impacts. This will allow the OWNER to make the best decisions in regards to cost, efficiency and schedule for items identified.

9.8. VA Review & Approval

CMAR Contractor will review the VA Log with the OWNER and ensure that the approved items are incorporated into the PROJECT drawings and accounted for in the budget.

9.9. Reconciliation of Designers Cost Control Consultant Cost Model

CMAR Contractor will meet with the Designers Cost Control Consultant to review the Cost Models and identify any significant cost and/or quantity differences. Adjustments to each of the Cost Models will be made based on consensus. After adjustments, if total Cost Model values are within 10% then the two Cost Models will be considered to be reconciled. Differences and adjustments will be made based on findings ensuring the OWNER receives the most accurate cost reflective of the current set of documents.

TASK 9 DELIVERABLES to be provided to OWNER

30% Schematic Design Cost Model

Trend Log

Technical Design Project Meeting Minutes
Constructability Report
Process Control Narrative Comments
Value Analysis Log
Reconciled Cost Model

10. 60% Design Development

10.1. 60% Cost Model Update

CMAR Contractor will update the initial cost model from after receipt of the 60% Design Development Drawings. This will include verification of quantities, pricing and design intent filling in the gaps for a complete cost model. Copies of the 60% cost model update will be presented to the OWNER and CONSULTANT.

10.2. 60% Technical Design Project Meetings

CMAR Contractor will participate in technical design project meetings with the OWNER and CONSULTANT in order to further understand the design of the project ensuring an accurate cost model and enhance the Constructability and Value Analysis (VA) workshops. Meeting minutes will be kept and provided for review from these meetings by the CMAR Contractor.

10.3. 60% Constructability Review Work Shops

CMAR Contractor will hold internal constructability review workshops with the preconstruction and construction staff members and generate a Constructability Review Log for the Owner and Design team. The log will be updated to detail status of each item identified in the process. The following items are typically identified and tracked on the log.

- 30% Constructability Review comments incorporated and addressed.
- Cross check conflicts between Equipment specifications, P&ID's, Electrical specifications, and One line diagrams.
- Approved VA Log comments are incorporated.
- Scope of work correctly conveyed in plans.
- Plan details are referenced correctly.
- Identify Scope Gaps
- Specifications relating to the project are incorporated in plans.
- Value Analysis / Potential Cost Savings
- Refine means and methods of construction with the schedule

10.4. 60% Constructability Review Reports

CMAR Contractor will provide the findings of the 60% Constructability Review workshop to the OWNER and CONSULTANT in a Constructability log that will be used throughout the project and updated as preconstruction progresses. Items identified during this workshop and throughout the preconstruction process will be tracked discussed, incorporated, removed or addressed ensuring a complete set of documents at the end of the preconstruction phase.

10.5. Review and Comment on Process Control Narratives

CMAR Contractor will review and comment on the Process Control Narrative issued by the CONSULTANT to identify and report on construction related opportunities and issues.

10.6. Value Analysis (VA) Work Shops

CMAR Contractor will facilitate VA Workshops with the OWNER and CONSULTANT to evaluate the PROJECT documents at 60% Design Development phase in order to identify possible

ideas or areas where cost savings could be realized without significant delays to the issuance of the bidding documents. CMAR Contractor will provide information on the relative cost of various systems or materials, which may be more cost effective to the OWNER.

10.7. Value Analysis (VA) Log

CMAR Contractor will utilize the VA log to present various alternate methods and/or material options available to the Owner along with their associated cost and anticipated impacts. This will allow the OWNER to make the best decisions in regards to cost, efficiency and schedule for items identified.

10.8. VA Review & Approval

CMAR Contractor will review the VA Log with the OWNER and ensure that the approved items are incorporated into the PROJECT drawings and accounted for in the budget.

10.9. Reconciliation of Designers Cost Control Consultant Cost Model

CMAR Contractor will meet with the Designers Cost Control Consultant to review the Cost Models and identify any significant cost and/or quantity differences. Adjustments to each of the Cost Models will be made based on consensus. After adjustments, if total Cost Model values are within 10% then the two Cost Models will be considered to be reconciled. Differences and adjustments will be made based on findings ensuring the OWNER receives the most accurate cost reflective of the current set of documents.

TASK 10 DELIVERABLES to be provided to OWNER

60% Design Development Cost Model

Updated Trend Log

Technical Design Project Meeting Minutes

Updated Constructability Report

Updated Process Control Narrative Comments

Updated Value Analysis Log

Reconciled Cost Model

11. 90% Contract Document Development

11.1. 90% Cost Model Update

CMAR Contractor will update the cost model after receipt of the 90% Design Development Drawings. This will include verification of quantities, pricing and design intent filling in the gaps for a complete cost model. Copies of the 90% cost model update will be presented to the OWNER and CONSULTANT.

11.2. 90% Technical Design Project Meetings

CMAR Contractor will participate in technical design project meetings with the OWNER and CONSULTANT in order to further understand the design of the project ensuring an accurate cost model and enhance the Constructability and Value Analysis (VA) workshops. Meeting minutes will be kept and provided for review from these meetings by the CMAR Contractor.

11.3. 90% Constructability Review Work Shops

CMAR Contractor will hold internal constructability review workshops with the preconstruction and construction staff members and generate a Constructability Review Log for the Owner and Design team. The log will be updated to detail status of each item identified in the process. The following items are typically identified and tracked on the log.

- 60% Constructability Review comments incorporated and addressed.
- Cross check conflicts between Equipment specifications, P&ID's, Electrical specifications, and One line diagrams.
- Approved VA Log comments are incorporated.
- Scope of work correctly conveyed in plans.
- Plan details are referenced correctly.
- Identify Scope Gaps
- Specifications relating to the project are incorporated in plans.
- Value Analysis / Potential Cost Savings
- More efficient means and methods of construction

11.4. 90% Constructability Review Reports

CMAR Contractor will provide the findings of the 90% Constructability Review workshop to the OWNER and CONSULTANT in an updated tracking log.

11.5. 90% Bidability Reviews

CMAR Contractor will review the 90% set of design documents to set up the initial front end bid packages. These packages will be structured for subcontractors to bid during the GMP bid process of the 100% design documents. Scope gaps and scope coordination will be identified between subcontracting trades in preparation for the GMP bid process.

11.6. Review and Comment on Process Control Narratives

CMAR Contractor will review and comment on the Process Control Narrative issued by the CONSULTANT to identify and report on construction related opportunities and issues.

11.7. Value Analysis (VA) Work Shops

CMAR Contractor will facilitate VA Workshops with the OWNER and CONSULTANT to evaluate the PROJECT documents at each design phase in order to identify possible ideas or areas where cost savings could be realized without significant delays to the issuance of the bidding documents. CMAR Contractor will provide information on the relative cost of various systems or materials, which may be more cost effective to the OWNER.

11.8. Value Analysis (VA) Log

CMAR Contractor will utilize the VA log to present various alternate methods and/or material options available to the Owner along with their associated cost and anticipated impacts. This will allow the OWNER to make the best decisions in regards to cost, efficiency and schedule for items identified.

11.9. VA Review & Approval

CMAR Contractor will review the VA Log with the OWNER and ensure that the approved items are incorporated into the PROJECT drawings and accounted for in the budget.

11.10. Reconciliation of Designers Cost Control Consultant Cost Model

CMAR Contractor will meet with the Designers Cost Control Consultant to review the Cost Models and identify any significant cost and/or quantity differences. Adjustments to each of the Cost Models will be made based on consensus. After adjustments, if total Cost Model values are within 10% then the two Cost Models will be considered to be reconciled. Differences and adjustments will be made based on findings ensuring the OWNER receives the most accurate cost reflective of the current set of documents.

12. 100% Contract Document Completion

Prior to issuance of 100% Design Documents the CMAR Contractor will prepare the following for the bidding process:

- Finalize the Subcontracting Plan
- SB268 Compliance Documents and Prequalification Process
- Prepare Front End Documents for issuance
- Finalize scope of work per established bid packages
- GMP Development
 - Prepare and issue Bid Solicitation in accordance with SB268
 - Manage the Bid Process and prepare bid analysis documents for Owner review.
 - Develop and submit GMP proposal
 - Final review and approval of GMP proposal

12.1. Development of Original Schedule of Values (SOV)

The schedule of values will be created and maintained by the CMAR Contractor.

12.2. Finalize Schedule of Values

CMAR Contractor will review, modify and approve the schedule of values for the PROJECT with the OWNER.

12.3. Review and Approve SOV with Owner

The schedule of values will be used by the CMAR Contractor to provide the OWNER with weekly itemized tracking reports for all allowances and contingencies on the PROJECT.

12.4. Develop & Submit Final Construction GMP (Guaranteed Maximum Price)

CMAR Contractor will review, update, and host workshops to finalize the construction bid package process and submit a final construction bid package GMP to OWNER. The GMP shall include all total direct costs of the work, CMAR Contractor's performance and payment bond (if necessary), cost of the subcontractor performance and payment bonds, on-site general conditions, necessary contingencies, cost of customary insurance coverage, and CMAR Contractor's fee for services.

12.5. Review Final Construction GMP & Approve

CMAR Contractor to provide the final GMP to the OWNER and CONSULTANT for review and comment. This task includes facilitating review meetings as necessary to discuss any area of the GMP needing to be reconciled.

TASK 12 DELIVERABLES to be provided to OWNER

Meeting Minutes
Schedule of Values
GMP

13. Project Execution**13.1. Site Specific Safety Plan**

A comprehensive Site Specific Safety Plan will be developed and utilized by CMAR Contractor for onsite planning, identifying and addressing safety issues, and for developing a safety plan to address the PROJECT's unique characteristics.

13.2. Site Specific Quality Plan

CMAR Contractor will provide management of the QC aspects of the PROJECT. A site specific quality plan will be generated and customized for the PROJECT. This plan will outline procedures for quality assurance and quality control. The plan will identify major risk areas and the CMAR Contractor's plan for mitigating those risks. Quality Assurance plans in regards to the PROJECT will be provided by the OWNER's 3rd PARTY CONSULTANT.

TASK 13 DELIVERABLES to be provided to OWNER

Site Specific Safety Plan
Site Specific Quality Plan

14. Modular Trailer Relocation of Employees

14.1. Trailer & Office Equipment Setup for Field office

CMAR Contractor to provide management oversight and labor to assist with trailer and office equipment set up. The OWNER will provide desks, chairs and file cabinets only. The CMAR Contractor will provide computers, internet service, phones, copy machine and consumables for the CMAR Contractor employees.

Project Description

This Scope of Services describes the tasks to be provided by McCarthy Building Companies, Inc. (CMAR Contractor) for construction manager at risk services during the preconstruction process of the PROJECT. The PROJECT generally consists of design and subsequent construction of two new BNR process trains, each with a capacity of 15 mgd, in the northwest corner of the WPCF site. Key components of the PROJECT are anticipated to include:

- Bypass Piping around the Headworks Facility
- Primary Clarifiers
- Primary Effluent Pump Station
- BNR Basins using the UTC and A2O Processes
- Secondary Clarifiers
- Blower Building and Aeration System
- Gravity Thickeners
- Odor Control System
- TWAS Storage and Thickening Facility Modifications
- Associated Piping and Appurtenances

1. Project Kick-Off Meeting

A Project Kick-Off Meeting will be held with the OWNER and CONSULTANT. At this meeting, details contained within the Project Execution Plan will be presented and discussed. The overall schedule will be reviewed. If necessary, the Project Execution Plan will be revised to reflect input received at the meeting. Meeting minutes will be prepared and distributed to attendees.

TASK 1 DELIVERABLES to be provided to OWNER

Meeting Minutes
Input on Project Execution

2. 10% Preliminary Design**2.1. Review Draft Preliminary Design Report**

CMAR Contractor will review the PDR and associated documentation to create a baseline for the cost model and prepare for initial Design workshops.

TASK 2 DELIVERABLES to be provided to OWNER

Cost Model Questionnaire
Construction related comments to the PDR

3. General Preconstruction Services**3.1. Solicit Partnering Facilitator**

CMAR Contractor will solicit and hire a Partnering Facilitator for the PROJECT team. CMAR will ensure the facilitator is not an employee of the CMAR, CONSULTANT or the OWNER. The facilitator will be available for an initial meeting.

3.2 Initial Partnering Workshop

CMAR Contractor will attend an initial partnering workshop to be held with the CONSULTANT and the OWNER.

3.3. Project Team Meetings

CMAR Contractor will attend routine progress meetings with the OWNER and the CONSULTANT. The CMAR Contractor will also attend other meetings as may be required to review particular issues. For the purposes of preparing the initial and subsequent cost models, managing the Dynamic estimating process with its deliverables, and providing on-going cost trending and constructability input, it is assumed that meetings will be held bi-weekly (every other week) for the duration of the preconstruction process.

3.4. Team Meetings with Other Contractors & Current Projects

CMAR Contractor will participate in meetings with the OWNER, CONSULTANT and Contractors & Designers of other projects expected to be in progress during the design and construction of this PROJECT. A total of 160 Hours have been allotted for this task.

3.5. Trend Log Development and Updates

CMAR Contractor will maintain a Trend Log for the PROJECT. The Trend Log will track proposed program or design changes, alternate system cost evaluations, OWNER requested changes, value analysis and constructability changes. This log will be continuously updated throughout the preconstruction process allowing the CMAR, OWNER and CONSULTANTS to manage the construction budget between cost model milestone updates.

3.6. Permit Submission Assistance

CMAR Contractor will assist the OWNER and CONSULTANTS with constructability related information being submitted to the various agencies.

3.7. Construction Market Survey Report

CMAR Contractor will provide market survey reports within 60 days of contract award and will update at 60% and 90% design document stages. This will be made available to the OWNER for review of the current market trends. This tool will help with making decisions as to when the best time is to buy process equipment and long lead materials.

3.8. Design Workshop meetings with CONSULTANT weekly in-house

CMAR Contractor will attend the CONSULTANT's weekly in-house meetings providing cost and constructability input as the design progresses. For purposes of estimating cost, these meetings will be held weekly throughout the preconstruction process.

3.9. Develop and Update Construction Management Plan

The Construction Management Plan is a summary document provided to the management team including the Owner, Engineer, and CMAR personnel that includes the deliverables associated with the preconstruction process. The plan would be updated at intervals agreed to with the team, potentially at design/cost model milestone dates. This report would also detail revisions and updates from the original submission.

Documents that could be included in this plan include:

- Safety Plan
- Site Specific Quality Control Plan
- Trend Log
- Pot Holing Log
- Site Logistics Plan
- Subcontracting Plan
- Procurement Plan
- Design Phase Schedule
- Construction Schedule
- Constructability Report
- Value Analysis Report
- MOPO Log

TASK 3 DELIVERABLES to be provided to OWNER

Partnering Meeting Minutes
Meeting Minutes
Trend Log Updates
Construction Market Survey Report
Construction Management Plan

4. Field Investigation

4.1. Surface Exploration

CMAR Contractor will provide surface investigations verifying locations of landmarks, buildings, control points, utility locations obstructions and obstacles that may be encountered during construction. A Surface Investigation Report of the findings will be provided to the OWNER and CONSULTANT of any conflicts or other concerns in relation to the proposed design.

4.2. Review Geotechnical Design Report

CMAR Contractor will review the geotechnical design report for the PROJECT, provided by the CONSULTANT. A Geotechnical Review Report of the findings will be provided to the OWNER and CONSULTANT outlining construction related opportunities or conflicts.

4.3. Review Corrosion Report

CMAR Contractor will review the corrosion report for the PROJECT, provided by the CONSULTANT. A Corrosion Review Report outlining construction related opportunities or conflicts will be provided to the OWNER.

4.4. Review TOPO and Survey Control Plan

CMAR Contractor will review the TOPO and survey control plan for the PROJECT, provided by the CONSULTANT. This will include verification in relation to the existing site.

4.5. MOPO Plan Development

Every outage, utility tie-in, and structure modification will be identified in a MOPO log to establish a review agenda. A MOPO team will be created to include participation from the Owner, Engineer and CMAR Contractor to generate a comprehensive work plan for each activity identified on the log.

4.6. Site Logistics Plan

CMAR Contractor to develop and update a site logistics plan which defines construction delivery points, staging areas, trailer compound location, construction worker parking and temporary entrances or exits, ensuring minimal disruption to the OWNER and existing facility.

TASK 4 DELIVERABLES to be provided to OWNER

Surface Investigation Report

Geotechnical Review Report

Corrosion Review Report

MOPO Plan

Site Logistics Plan

5. Assist in Life Cycle Cost Analysis**5.1. Life Cycle Information Required from Vendors & Subcontractors**

CMAR Contractor will provide analysis and review of documents, necessary to solicit information from vendors and suppliers for the PROJECT. This will include organizing of information provided by the CONSULTANT and OWNER in regards to the design requirements. This information will be assembled in packages in preparation for solicitation of the necessary information from vendors and suppliers.

5.2. Solicit Information from Vendors & Suppliers

CMAR Contractor will solicit information from the vendors and manufacturers as requested and provided documentation to the design team.

TASK 5 DELIVERABLES to be provided to OWNER

Life Cycle Comparison Documentation

6. Identify Long Lead Items & Create a Procurement Plan**6.1. Identify Long Lead Items**

CMAR Contractor will identify Long Lead Process Equipment and materials that will affect schedule or increase costs due to potential escalation. The information will be provided to allow the team to make informed decisions regarding GMP's which will allow for early procurement of market sensitive materials.

6.2. Develop & Submit Procurement Plan

CMAR Contractor will assemble front end bidding documents for the PROJECT. These front ends, along with drawings, specifications, schedules and project specific requirements will be developed to include a focus on the pre-purchase equipment packages will be issued to a list of suppliers that have been pre-qualified based on experience, technical expertise, local involvement and NRS requirements.

6.3. Develop & Submit M/W/DVBE Plan & Outreach

CMAR Contractor will work with the OWNER to develop a M/W/DVBE outreach program. They will identify goals and key factors for the PROJECT to maximize M/W/DVBE participation in the program through first-tier and lower tier subcontractors and suppliers.

6.4. Subcontracting Plan

CMAR Contractor will generate an Invitation to Bid List for the PROJECT based upon license verification, trade specialty, subcontractor financial resources, subcontractor experience and projected subcontractor workload.

**6.4.1 Request for Subcontractor Qualification Process per NRS 338
(Revised per SB 268)**

The CMAR Contractor will perform the following items if a single GMP is selected following the new NRS 338, revised per SB 268. The CMAR Contractor will work with plan and execute a subcontractor qualification process. Tasks will include, but are not limited to, the following:

- Public Advertisement
- Pre-Submission Meeting
- 21 Day Qualification Period
- CMAR Contractor to Recommend Qualification to OWNER
- OWNER to approve qualification list
- Protest Period up to 45 days (10 days is the goal)

Legal or other costs incurred due to a Protest, are not included in this proposal and will be billed at actual rates. Please note that this may change due to legislation changes.

6.4.2 Request for Proposal per NRS 338 (Revised per SB 268)

The CMAR Contractor will perform the following items if a Single GMP Submission is selected following the new NRS 338, revised per SB 268. The CMAR Contractor will issue requests for proposals based on, but not limited to, the following tasks:

- Public Advertisement
- Mandatory Pre-proposal Meeting
- 21 day bid period
- Open Process between OWNER and CMAR Contractor
- 10 day Review/Recommend Period
- OWNER approval of Subcontractor Selection

Please note that this may change due to legislation changes.

TASK 6 DELIVERABLES to be provided to OWNER

Procurement Plan
M/W/DVBE Plan
Copy of Publicly Advertised Request for Qualifications
Copy of Publicly Advertised Request for Proposals
Subcontractor Request for Qualifications
Subcontractor Request for Proposals
Bid Analysis
Recommendation of Award

7. Master Design & Construction Schedule

7.1. Prepare Master Design Phase Schedule

CMAR Contractor will prepare the Master Design Schedule for the preconstruction phase of the PROJECT. The schedule will reflect the overall schedule of completion goals, major project milestones and the detailed front-end activities including construction at a summary level. The CMAR Contractor will work with the CONSULTANT and assume responsibility of the design schedule after the 30% Schematic Design documents.

7.2. Prepare Construction Phase Schedule

CMAR Contractor will prepare a construction schedule for the PROJECT. The construction schedule will establish construction durations and milestone dates for the Construction Phase of the PROJECT.

7.3. Maintain & Update Design Phase Schedule

The PROJECT schedule will be reviewed weekly by the CMAR Contractor and updated on a monthly basis.

TASK 7 DELIVERABLES to be provided to OWNER

Master Design Schedule
Master Design Schedule Updates
Construction Schedule

8. 3D Modeling

8.1. Review of 3D Model

CMAR Contractor will review and further develop the Level 200 Model created by the CONSULTANT to assist with the cost model process, constructability reviews, and planning of the project during Preconstruction. This will help in planning for ways to finish work correctly, the first time during construction.

9. 30% Schematic Design

9.1. Develop Initial Cost Model

CMAR Contractor will develop its own initial cost model which will be identified as the 30% Schematic Design Cost Model after receipt of the 30% Schematic Design Drawings. This will include quantifying, pricing and determining design intent filling in the gaps for a complete cost model. Once reconciled with the designer's cost consultant, this will be used as a baseline for comparison as the design progresses and will be recorded and used in conjunction with the Trend Log. Copies of this initial cost model will be presented to the OWNER and CONSULTANT.

9.2. 30% Technical Design Project Meetings

CMAR Contractor will participate in technical design project meetings with the OWNER and CONSULTANT in order to further understand the design of the project ensuring an accurate cost model and enhance the Constructability and Value Analysis (VA) workshops. Meeting minutes will be kept and provided for review from these meetings by the CMAR Contractor.

9.3. 30% Constructability Review Work Shops

CMAR Contractor will hold internal constructability review workshops with the preconstruction and construction staff members and generate a Constructability Review Log for the Owner and Design team. The log will be updated to detail status of each item identified in the process. The following items are typically identified and tracked on the log.

- Suggested Construction detail revisions
- Suggested Material revisions and alternates
- Plan details are referenced correctly
- Identify Scope Gaps
- Specifications related to the project are incorporated in plans
- Suggested Value Analysis / Potential Cost Savings
- Suggested means and methods of construction

9.4. 30% Constructability Review Reports

CMAR Contractor will provide the findings of the 30% Constructability Review workshop to the OWNER and CONSULTANT in a Constructability log that will be used throughout the project and updated as preconstruction progresses. Items identified during this workshop and throughout the preconstruction process will be tracked discussed, incorporated, removed or addressed ensuring a complete set of documents at the end of the preconstruction phase.

9.5. Review and Comment on Process Control Narratives

CMAR Contractor will review and comment on the Process Control Narrative issued by the CONSULTANT to identify and report on construction related opportunities and issues.

9.6. Value Analysis (VA) Work Shops

CMAR Contractor will facilitate VA Workshops with the OWNER and CONSULTANT to evaluate the PROJECT documents at each design phase in order to identify possible ideas or areas where cost savings could be realized without significant delays to the issuance of the bidding documents. CMAR Contractor will provide information on the relative cost of various systems or materials, which may be more cost effective to the OWNER.

9.7. Value Analysis (VA) Log

CMAR Contractor will utilize the VA log to present various alternate methods and/or material options available to the Owner along with their associated cost and anticipated impacts. This will allow the OWNER to make the best decisions in regards to cost, efficiency and schedule for items identified.

9.8. VA Review & Approval

CMAR Contractor will review the VA Log with the OWNER and ensure that the approved items are incorporated into the PROJECT drawings and accounted for in the budget.

9.9. Reconciliation of Designers Cost Control Consultant Cost Model

CMAR Contractor will meet with the Designers Cost Control Consultant to review the Cost Models and identify any significant cost and/or quantity differences. Adjustments to each of the Cost Models will be made based on consensus. After adjustments, if total Cost Model values are within 10% then the two Cost Models will be considered to be reconciled. Differences and adjustments will be made based on findings ensuring the OWNER receives the most accurate cost reflective of the current set of documents.

TASK 9 DELIVERABLES to be provided to OWNER

30% Schematic Design Cost Model

Trend Log

Technical Design Project Meeting Minutes

Constructability Report

Process Control Narrative Comments

Value Analysis Log

Reconciled Cost Model

10. 60% Design Development**10.1. 60% Cost Model Update**

CMAR Contractor will update the initial cost model from after receipt of the 60% Design Development Drawings. This will include verification of quantities, pricing and design intent filling in the gaps for a complete cost model. Copies of the 60% cost model update will be presented to the OWNER and CONSULTANT.

10.2. 60% Technical Design Project Meetings

CMAR Contractor will participate in technical design project meetings with the OWNER and CONSULTANT in order to further understand the design of the project ensuring an accurate cost model and enhance the Constructability and Value Analysis (VA) workshops. Meeting minutes will be kept and provided for review from these meetings by the CMAR Contractor.

10.3. 60% Constructability Review Work Shops

CMAR Contractor will hold internal constructability review workshops with the preconstruction and construction staff members and generate a Constructability Review Log for the Owner and Design team. The log will be updated to detail status of each item identified in the process. The following items are typically identified and tracked on the log.

- 30% Constructability Review comments incorporated and addressed.
- Cross check conflicts between Equipment specifications, P&ID's, Electrical specifications, and One line diagrams.
- Approved VA Log comments are incorporated.
- Scope of work correctly conveyed in plans.
- Plan details are referenced correctly.
- Identify Scope Gaps
- Specifications relating to the project are incorporated in plans.
- Value Analysis / Potential Cost Savings
- Refine means and methods of construction with the schedule

10.4. 60% Constructability Review Reports

CMAR Contractor will provide the findings of the 60% Constructability Review workshop to the OWNER and CONSULTANT in a Constructability log that will be used throughout the project and updated as preconstruction progresses. Items identified during this workshop and throughout the preconstruction process will be tracked discussed, incorporated, removed or addressed ensuring a complete set of documents at the end of the preconstruction phase.

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CMAR Contractor will review and comment on the Process Control Narrative issued by the CONSULTANT to identify and report on construction related opportunities and issues.

10.6. Value Analysis (VA) Work Shops

CMAR Contractor will facilitate VA Workshops with the OWNER and CONSULTANT to evaluate the PROJECT documents at 60% Design Development phase in order to identify possible ideas or areas where cost savings could be realized without significant delays to the issuance of the bidding documents. CMAR Contractor will provide information on the relative cost of various systems or materials, which may be more cost effective to the OWNER.

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TASK 10 DELIVERABLES to be provided to OWNER

60% Design Development Cost Model
Updated Trend Log
Technical Design Project Meeting Minutes
Updated Constructability Report
Updated Process Control Narrative Comments
Updated Value Analysis Log
Reconciled Cost Model

11. 90% Contract Document Development**11.1. 90% Cost Model Update**

CMAR Contractor will update the cost model after receipt of the 90% Design Development Drawings. This will include verification of quantities, pricing and design intent filling in the gaps for a complete cost model. Copies of the 90% cost model update will be presented to the OWNER and CONSULTANT.

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- SB268 Compliance Documents and Prequalification Process
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- Finalize scope of work per established bid packages
- GMP Development
 - Prepare and issue Bid Solicitation in accordance with SB268
 - Manage the Bid Process and prepare bid analysis documents for Owner review.
 - Develop and submit GMP proposal
 - Final review and approval of GMP proposal

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The schedule of values will be created and maintained by the CMAR Contractor.

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CMAR Contractor will review, modify and approve the schedule of values for the PROJECT with the OWNER.

12.3. Review and Approve SOV with Owner

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12.5. Review Final Construction GMP & Approve

CMAR Contractor to provide the final GMP to the OWNER and CONSULTANT for review and comment. This task includes facilitating review meetings as necessary to discuss any area of the GMP needing to be reconciled.

TASK 12 DELIVERABLES to be provided to OWNER

Meeting Minutes
Schedule of Values
GMP

13. Project Execution

13.1. Site Specific Safety Plan

A comprehensive Site Specific Safety Plan will be developed and utilized by CMAR Contractor for onsite planning, identifying and addressing safety issues, and for developing a safety plan to address the PROJECT's unique characteristics.

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TASK 13 DELIVERABLES to be provided to OWNER

Site Specific Safety Plan
Site Specific Quality Plan

14. Modular Trailer Relocation of Employees

14.1. Trailer & Office Equipment Setup for Field office

CMAR Contractor to provide management oversight and labor to assist with trailer and office equipment set up. The OWNER will provide desks, chairs and file cabinets only. The CMAR Contractor will provide computers, internet service, phones, copy machine and consumables for the CMAR Contractor employees.

Printing & Reproduction Costs

CMAR Contractor has allocated money to additional services for printing and reproduction costs.

3. General Preconstruction Services**3.2.A. Additional Partnering Workshops**

CMAR Contractor will attend up to three additional partnering workshops to be held with the CONSULTANT and the OWNER. The CMAR will hire the partnering facilitator and prepare charter and monthly surveys.

4. Field Investigation**4.7.A Subsurface Exploration**

After the initial layout of utility and pipe runs are determined, the CMAR Contractor will conduct subsurface exploration of utility locations to be marked out on site by a Utility Locating Service or by the OWNER. A Subsurface Exploration Report (Pot Holing Log) will be provided to the design team to assist in coordination of the construction documents.

- A Unit Price has been provided for Soft Digging, Survey and Backfill of the utility areas that are potholed per hour, time to be billed on an hourly basis.
- A price for 2 ground water test wells has been provided.

TASK 4 DELIVERABLES to be provided to OWNER

Subsurface Investigation Report

5. Assist in Life Cycle Cost Analysis**5.3.A Vendor Presentations**

CMAR Contractor will facilitate and arrange vendor demonstrations and presentations of available equipment for the PROJECT to the OWNER and CONSULTANT. Based on the information provided by vendors, the CMAR Contractor will evaluate the installation complexity, cost and life cycle. Then provide recommendations to the OWNER and CONSULTANT for final selection of equipment.

5.4.A Equipment and Factory Site Visits

CMAR Contractor will arrange and pay for all expenses associated with site visits to see the equipment being selected for the PROJECT. Travel will be provided for four (4) OWNER employees, two (2) CMAR Contractor employees and one (1) CONSULTANT employee. Travel is based on five (5) site visits within the lower 48 continental United States. Round trip coach airfare and 1 over night stay at each of the sites will be included. Meals will include a Breakfast, Lunch, and Dinner while traveling.

6. Identify Long Lead Items & Create a Procurement Plan

6.4. Subcontracting Plan

6.4.1.A PHASED GMP - Request for Subcontractor Qualification Process per NRS 338 (Revised per SB 268)

The same services indicated in Exhibit A, 6.4.1 will be performed for a Phased GMP an additional 2 times.

6.4.2.A PHASED GMP - Request for Proposal per NRS 338 (Revised per SB 268)

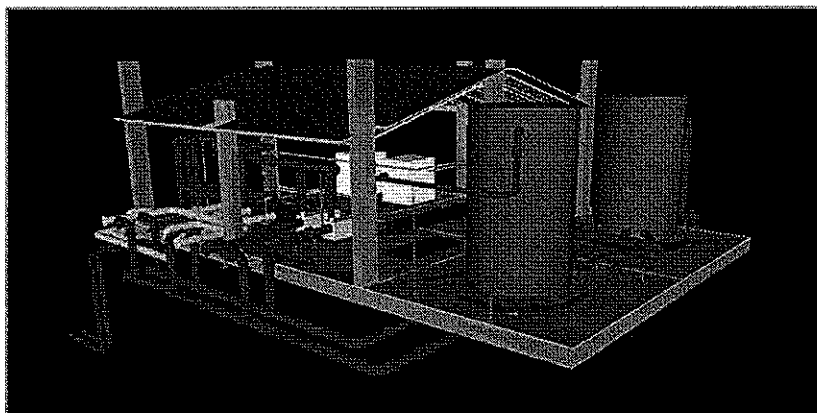
The same services indicated in Exhibit A, 6.4.2 will be performed for a Phased GMP an additional 2 times.

8. 3D Modeling

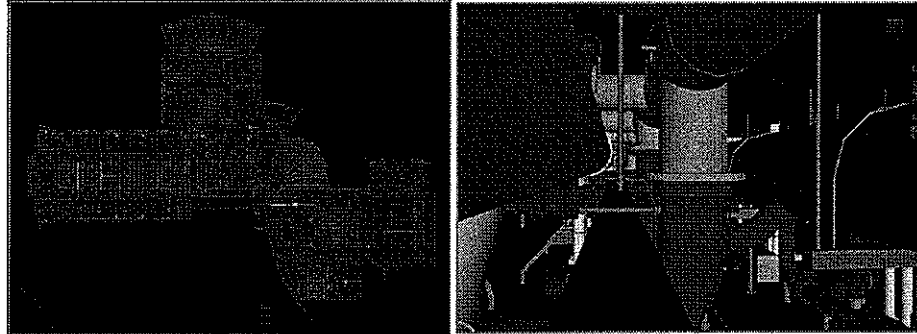
8.2.A Develop 3D Model

CMAR Contractor will develop a Level 300 model based upon the Owner's selection of one of the following options:

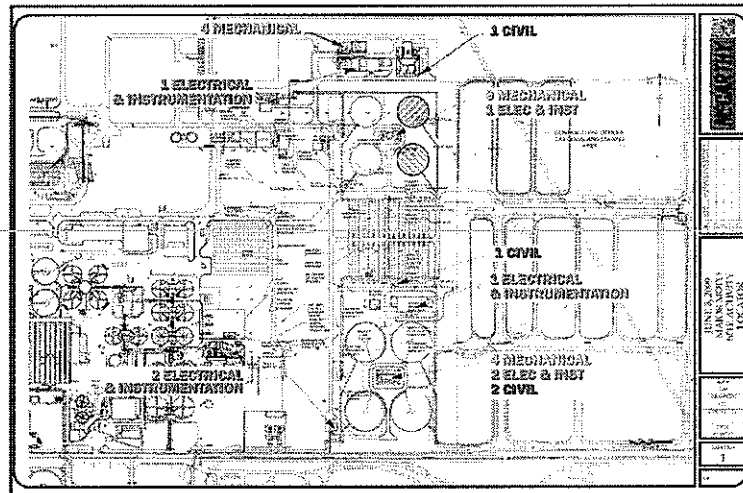
8.2.A.1 Complete Level 300 model detailing all components of the project would include every component to be installed including concrete structures, masonry, structural steel, process equipment, mechanical piping, electrical gear/equipment, electrical conduit runs, miscellaneous metals, architectural finishes, yard piping, and site finishes. The model could also be utilized during construction to finalize shop drawings (Level 400), finalize clash detection, and operate as the as-built document (Level 500).



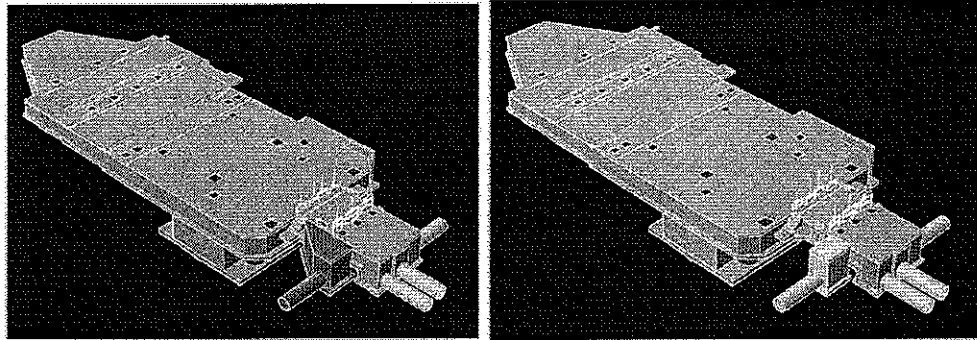
8.2.A.2 Level 300 Model detailing only major components of the project would include concrete structures, masonry, structural steel, process equipment, large mechanical piping, electrical gear/equipment, and large yard piping runs.



8.2.A.3 Level 300 Model to identify heavily congested areas and perform clash detection of major components in specific areas of the project as identified by the entire preconstruction team. This would include yard piping in high traffic areas, congested pipe galleries, and major plant tie-ins as described in 8.2.4.



8.2.A.4 Level 300 Model to identify structure tie-ins and major MOPO activities where virtual design will assist the planning process. This process would include a proposed sequence of MOPO activities and virtually walk the Preconstruction team through the schedule of activities.



TASK 8 DELIVERABLES to be provided to OWNER
Level 300 3D Model

12. 100% Contract Document Completion

12.4.A Develop & Submit Final PHASED Construction GMP (Guaranteed Maximum Price)

The same services indicated in Exhibit A, 12.4 will be performed for a Phased GMP an additional 2 times.

12.5.A Review Final PHASED Construction GMP & Approve

The same services indicated in Exhibit A, 12.5 will be performed for a Phased GMP an additional 2 times.

12.6.A Review PHASED Conformed Set of Documents and Provide Report

CMAR Contractor will hold internal constructability review workshops of the Conformed Sets of documents with the preconstruction and construction staff members. A Constructability Review Log of the conformed set of documents will be produced for the Owner and CONSULTANT to review for a Phased GMP an additional 2 times.

TASK 12 DELIVERABLES to be provided to OWNER
GMP
Constructability Review

	Calendar Days to Complete	Remarks
Design Phase Services		
Task 1 – Project Kick-Off Meeting	10	
Task 2 – 10% Preliminary Design	60	
Task 3 – General Preconstruction Services	515	Work spaced throughout the job, not continuous.
Task 4 – Field Investigation	245	Work spaced throughout the job, not continuous.
Task 5 – Assist in Life Cycle Cost Analysis	30	
Task 6 – Identify Long Lead Items and Create a Procurement Plan	425	Work spaced throughout the job, not continuous.
Task 7 – Master Design and Construction Schedule	440	Work spaced throughout the job, not continuous.
Task 8 – 3D Modeling	305	
Task 9 – 30% Schematic Design	60	
Task 10 – 60% Design Development	60	
Task 11 – 90% Contract Document Development	60	
Task 12 – 100% Contract Document Completion	170	
Task 13 – Project Execution	45	
Task 14 – Modular Trailer Relocation of Employees	20	
TOTAL CALENDAR DAYS TO COMPLETE DESIGN PHASE:	560	Above task are not Additive

RFP No. 11.53541.01-LED
CMAR FOR WPCF INFRASTRUCTURE RELACEMENT
EXHIBIT D - PRECONSTRUCTION SERVICES PAYMENT SCHEDULE
MCCARTHY BUILDING COMPANIES, INC.
AUGUST 26,2011

Summary of Preconstruction Services By Task

TASK	DESCRIPTION	TOTAL TASK	TOTAL SECTION
1	Project Kick-off Meeting		\$ 9,369
1	Project Kick-off Meeting	\$ 9,369	
2	10% Preliminary Design		\$ 8,311
2.1	Review Draft Preliminary Design Report	\$ 8,311	
3	General Preconstruction Services		\$ 160,983
3.1	Solicit Partnering Facilitator	\$ 11,808	
	Facilitator For Initial Partnering Session	\$ 10,000	
3.2	Initial Partnering Workshop	\$ 19,527	
3.3	Project Team Meetings	\$ 39,247	
3.4	Team Meetings with Other Contractors & Current Projects	\$ 25,223	
3.5	Trend Log Development and Updates	\$ 8,515	
3.6	Permitting Submission Assistance	\$ 7,210	
3.7	Construction Market Survey Report	\$ 7,703	
3.8	Design Workshop meetings with CONSULTANT weekly in-house	\$ 14,463	
3.9	Develop and Update Construction Management Plan	\$ 17,286	
4	Field Investigation		\$ 46,204
4.1	Surface Exploration	\$ 7,434	
4.2	Review Geotechnical Design Report	\$ 1,625	
4.3	Review Corrosion Report	\$ 1,594	
4.4	Review TOPO and Survey Report	\$ 2,252	
4.5	MOPO Plan Development	\$ 29,606	
4.6	Site Logistics Plan	\$ 3,693	
5	Assist in Life Cycle Cost Analysis		\$ 33,180
5.1	Life Cycle Information Required from Vendors & Subcontractors	\$ 11,481	
5.2	Solicit Information from Vendors and Suppliers	\$ 21,699	
6	Identify Long Lead Items and Procurement Plan		\$ 199,195
6.1	Identify Long Lead Items	\$ 25,502	
6.2	Develop and Submit Procurement Plan	\$ 12,232	
6.3	Develop and Submit M/W/DVBE Plan and Outreach	\$ 13,834	
6.4	Subcontracting Plan	\$ 32,557	
6.4.1	Request for Subcontractor Qualification Process NRS 338 (Rev. per SB 268)	\$ 86,569	
	Sub Prequalification Advertisements	\$ 350	
	Sub Pre-Submission Meeting Room Rental	\$ 500	
6.4.2	Request for Proposal per NRS 338 (Rev. per SB 268)	\$ 26,800	
	Sub Proposal Advertisement	\$ 350	
	Sub Pre-Bid Meeting Room Rental	\$ 500	

7	Master Design and Construction Schedule		\$ 47,677
7.1	Prepare Master Design Phase Schedule	\$ 10,779	
7.2	Prepare Construction Phase Schedule	\$ 31,178	
7.3	Maintain and Update Design Phase Schedule	\$ 5,721	
8	3D Modeling		\$ 27,513
8.1	Review of 3D Model	\$ 27,513	
9	30% Schematic Design		\$ 93,317
9.1	Develop Initial Cost Model	\$ 25,382	
9.2	30% Technical Design Project Meetings	\$ 8,470	
9.3	30% Constructability Review Work Shops	\$ 12,339	
9.4	30% Constructability Review Reports	\$ 1,931	
9.5	Review & Comment on Process Control Narrative	\$ 2,801	
9.6	Value Analysis (VA) Work Shops	\$ 10,967	
9.7	Value Analysis (VA) Log	\$ 11,816	
9.8	VA Review & Approval	\$ 8,338	
9.9	Reconciliation of Designers Cost Control Consultant Cost Model	\$ 11,273	
10	60% Design Development		\$ 86,830
10.1	60% Cost Model Update	\$ 17,886	
10.2	60% Technical Design Project Meetings	\$ 8,470	
10.3	60% Constructability Review Work Shops	\$ 11,493	
10.4	60% Constructability Review Reports	\$ 1,931	
10.5	Review & Comment on Process Control Narrative	\$ 2,801	
10.6	Value Analysis (VA) Work Shops	\$ 10,967	
10.7	Value Analysis (VA) Log	\$ 13,014	
10.8	VA Review & Approval	\$ 8,338	
10.9	Reconciliation of Designers Cost Control Consultant Cost Model	\$ 11,930	
11	90% Design Development		\$ 110,130
11.1	90% Cost Model Update	\$ 27,090	
11.2	90% Technical Design Project Meetings	\$ 8,470	
11.3	90% Constructability Review Work Shops	\$ 12,474	
11.4	90% Constructability Review Reports	\$ 1,690	
11.5	90% Bidability Reviews	\$ 13,566	
11.6	Review & Comment on Process Control Narrative	\$ 2,592	
11.7	Value Analysis (VA) Work Shops	\$ 10,967	
11.8	Value Analysis (VA) Log	\$ 13,014	
11.9	VA Review & Approval	\$ 8,338	
11.10	Reconciliation of Designers Cost Control Consultant Cost Model	\$ 11,930	
12	100% Contract Document Completion		\$ 103,771
12.1	Development of Original Schedule of Values (SOV)	\$ 6,530	
12.2	Finalize Schedule of Values	\$ 10,441	
12.3	Review and Approve SOV with Owner	\$ 6,086	
12.4	Develop and Submit Final Construction GMP	\$ 55,060	
12.5	Review Final Construction GMP and Approve	\$ 25,654	
13	Project Execution		\$ 25,610
13.1	Site Specific Safety Plan	\$ 11,270	
13.2	Site Specific Quality Plan	\$ 14,340	
14	Modular Trailer Relocation of Employees		\$ 30,310
14.1	Trailer & Office Equipment Setup for Field Office	\$ 2,674	
	Office Phone, Data, Equipment, Computers, Office Supplies	\$ 27,636	
		Total:	\$ 982,400

RFP No. 11.53541.01-LED
CMAR FOR WPCF INFRASTRUCTURE REPLACEMENT
EXHIBIT D - PRECONSTRUCTION SERVICES PAYMENT SCHEDULE
MCCARTHY BUILDING COMPANIES, INC.
AUGUST 26, 2011

TASK	DESCRIPTION	McCARThy		TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	TOTAL HOURS or QTY		
1	Project Kick-off Meeting				\$9,369
1	Project Kick-off Meeting			\$9,369	Task 1
	Project Executive	\$238.00	3	\$1,904	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
2	10% Preliminary Design				\$8,311
2.1	Review Draft Preliminary Design Report			\$8,311	Task 2.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
3	General Preconstruction Services				\$160,983
3.1	Solicit Partnering Facilitator			\$11,808	Task 3.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
	Facilitator For Initial Partnering Session	\$10,000.00	1	\$10,000	
3.2	Initial Partnering Workshop			\$19,527	Task 3.2
	Project Executive	\$238.00	8	\$1,904	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	9	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	128	\$7,693	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
3.3	Project Team Meetings			\$39,247	Task 3.3
	Project Executive	\$238.00	10	\$2,380	
	Senior PM	\$164.20	40	\$5,568	
	Equipment/Procurement	\$157.30	40	\$6,292	
	General Superintendent	\$172.40	40	\$6,896	
	Assistant Project Manager	\$105.60	40	\$4,224	
	Senior Estimator	\$128.50	40	\$5,140	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	22	\$2,697	
	Mechanical/Electrical Estimator	\$99.70	34	\$3,390	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
3.4	Team Meetings with Other Contractors & Current Projects			\$25,223	Task 3.4
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	12	\$1,970	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	38	\$6,551	
	Assistant Project Manager	\$105.60	55	\$6,136	
	Senior Estimator	\$128.50	0	\$0	
	Mechanical Process Lead	\$204.50	9	\$1,841	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	38	\$4,659	
	Mechanical/Electrical Estimator	\$99.70	35	\$3,589	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
3.5	Trend Log Development and Updates			\$9,515	Task 3.5
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	48	\$5,078	
	Senior Estimator	\$128.50	16	\$2,056	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	16	\$1,374	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
3.6	Permitting Submission Assistance			\$7,210	Task 3.6
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.60	36	\$3,809	
	Senior Estimator	\$128.50	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	16	\$1,438	
	Safety Manager	\$125.60	0	\$0	
3.7	Construction Market Survey Report			\$7,703	Task 3.7
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	3	\$493	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	20	\$2,116	
	Senior Estimator	\$128.50	12	\$1,547	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	12	\$1,031	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION	McCARTHY		TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	TOTAL HOURS or QTY		
3.8	Design Workshop meetings with CONSULTANT weekly in-house			\$13,463	Task 3.8
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	32	\$5,254	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	64	\$6,771	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.78	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
3.9	Develop and Update Construction Management Plan			\$17,286	Task 3.9
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	12	\$1,970	
	Equipment/Procurement	\$157.30	12	\$1,888	
	General Superintendent	\$172.40	12	\$2,069	
	Assistant Project Manager	\$105.80	60	\$6,348	
	Senior Estimator	\$128.90	12	\$1,547	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	12	\$1,031	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.78	8	\$798	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
4	Field Investigation				\$46,204
4.1	Surface Exploration			\$7,434	Task 4.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	22	\$2,328	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.78	8	\$798	
	Mechanical Superintendent	\$125.60	4	\$802	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$719	
	Safety Manager	\$125.60	0	\$0	
4.2	Review Geotechnical Design Report			\$1,625	Task 4.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	1	\$164	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.80	5	\$529	
	Senior Estimator	\$128.90	2	\$258	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.78	2	\$199	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	1	\$130	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
4.3	Review Corrosion Report			\$1,594	Task 4.3
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	1	\$164	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.80	5	\$529	
	Senior Estimator	\$128.90	1	\$129	
	Mechanical Process Lead	\$204.50	1	\$205	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	1	\$123	
	Mechanical/Electrical Estimator	\$99.78	1	\$100	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION	McCARTHY		TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	TOTAL HOURS or QTY		
4.4	Review TOPO and Survey Report			\$2,252	Task 4.4
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	1	\$164	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	5	\$529	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$59.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	2	\$180	
	Safety Manager	\$125.60	0	\$0	
4.5	MOPO Plan Development			\$29,506	Task 4.5
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	32	\$5,517	
	Assistant Project Manager	\$105.80	40	\$4,232	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	16	\$1,374	
	E/I & C Superintendent	\$122.60	24	\$2,942	
	Mechanical/Electrical Estimator	\$59.70	40	\$3,988	
	Mechanical Superintendent	\$125.60	24	\$3,014	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	40	\$3,596	
	Safety Manager	\$125.60	0	\$0	
4.6	Site Logistics Plan			\$3,893	Task 4.6
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	2	\$258	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	2	\$245	
	Mechanical/Electrical Estimator	\$59.70	0	\$0	
	Mechanical Superintendent	\$125.60	2	\$251	
	Concrete Superintendent	\$129.60	2	\$259	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	1	\$126	
5	Assist in Life Cycle Cost Analysis				\$33,180
5.1	Life Cycle Information Required from Vendors & Subcontractors			\$11,481	Task 5.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$59.70	16	\$1,595	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	4	\$358	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
5.2	Solicit Information from Vendors and Suppliers			\$21,699	Task 5.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	16	\$2,627	
	Equipment/Procurement	\$157.30	32	\$5,034	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	32	\$3,386	
	Senior Estimator	\$128.90	12	\$1,547	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	12	\$1,031	
	E/I & C Superintendent	\$122.60	32	\$3,923	
	Mechanical/Electrical Estimator	\$59.70	32	\$3,180	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION	McCARTHY		TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	TOTAL HOURS or QTY		
6	Identify Long Lead Items and Procurement Plan				\$199,195
6.1	Identify Long Lead Items			\$25,502	Task 6.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	32	\$5,034	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	32	\$3,386	
	Senior Estimator	\$128.90	32	\$4,125	
	Mechanical Process Lead	\$204.50	24	\$4,908	
	Concrete/Civil Estimator	\$85.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.76	40	\$3,988	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.2	Develop and Submit Procurement Plan			\$12,232	Task 6.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	16	\$1,693	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.76	24	\$2,393	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.3	Develop and Submit M/W/DVBE Plan and Outreach			\$13,834	Task 6.3
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	40	\$4,232	
	Senior Estimator	\$128.90	24	\$3,094	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.76	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	32	\$1,923	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.4	Subcontracting Plan			\$32,557	Task 6.4
	Project Executive	\$238.00	0	\$1,904	
	Senior PM	\$164.20	16	\$2,627	
	Equipment/Procurement	\$157.30	32	\$5,034	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	64	\$6,771	
	Senior Estimator	\$128.90	32	\$4,125	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$85.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.76	32	\$3,190	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	48	\$2,885	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.4.1	Request for Subcontractor Qualification Process NRS 336 (Rev. per SB 268)			\$86,569	Task 6.4.1
	Project Executive	\$238.00	8	\$1,904	
	Senior PM	\$164.20	128	\$21,016	
	Equipment/Procurement	\$157.30	125	\$20,134	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	0	\$0	
	Senior Estimator	\$128.90	144	\$18,562	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	108	\$9,277	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.76	66	\$6,780	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	144	\$8,895	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
	Sub Prequalification Advertisements	\$350.00	1	\$350	
	Sub Pre-Submission Meeting Room Rental	\$500.00	1	\$500	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
6.4.2	Request for Proposal per MRS 338 (Rev. per SB 268)			\$26,899	Task 6.4.2
	Project Executive	\$238.00	4	\$952	
	Senior PM	\$164.20	40	\$6,568	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$126.90	60	\$7,734	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	60	\$5,154	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	40	\$3,988	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	40	\$2,404	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
	Sub Proposal Advertisement	\$350.00	1	\$350	
	Sub Pre-Bid Meeting Room Rental	\$500.00	1	\$500	
7	Master Design and Construction Schedule				\$47,577
7.1	Prepare Master Design Phase Schedule			\$10,779	Task 7.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	2	\$315	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.80	32	\$3,386	
	Senior Estimator	\$126.90	0	\$0	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	24	\$2,148	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
7.2	Prepare Construction Phase Schedule			\$31,178	Task 7.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	16	\$2,627	
	Equipment/Procurement	\$157.30	3	\$1,258	
	General Superintendent	\$172.40	66	\$9,654	
	Assistant Project Manager	\$105.80	72	\$7,618	
	Senior Estimator	\$126.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	16	\$2,010	
	Concrete Superintendent	\$125.60	8	\$1,007	
	Chief Scheduler	\$89.50	56	\$5,012	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
7.3	Maintain and Update Design Phase Schedule			\$5,721	Task 7.3
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	38	\$4,220	
	Senior Estimator	\$126.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	19	\$1,701	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	MCGARTHY TOTAL HOURS or QTY		
8	3D Modeling				\$27,513
8.1	Review of 3D Model			\$27,513	Task 8.1
	Project Executive	\$235.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$125.50	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$55.90	0	\$0	
	E/I & C Superintendent	\$122.60	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.70	16	\$1,595	
	Mechanical Superintendent	\$125.60	16	\$2,010	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$59.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$59.90	180	\$15,182	
	Safety Manager	\$125.60	0	\$0	
9	30% Schematic Design				\$93,317
9.1	Develop Initial Cost Model			\$25,382	Task 9.1
	Project Executive	\$235.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$125.50	24	\$3,034	
	Mechanical Process Lead	\$204.50	24	\$4,908	
	Concrete/Civil Estimator	\$55.90	48	\$4,123	
	E/I & C Superintendent	\$122.60	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.70	56	\$5,583	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$59.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$59.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
9.2	30% Technical Design Project Meetings			\$3,470	Task 9.2
	Project Executive	\$235.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$55.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$59.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$59.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
9.3	30% Constructability Review Work Shops			\$12,339	Task 9.3
	Project Executive	\$235.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$55.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$59.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$59.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
9.4	30% Constructability Review Reports			\$1,931	Task 9.4
	Project Executive	\$235.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$125.50	4	\$516	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$55.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$59.50	0	\$0	
	Project Administrator	\$50.10	4	\$200	
	CAD Coordinator	\$59.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	MCCARTHY TOTAL HOURS or QTY		
9.5 Review & Comment on Process Control Narrative	Project Executive	\$238.00	0	\$2,801	Task 9.5
	Senior PM	\$164.20	2	\$0	
	Equipment/Procurement	\$157.30	4	\$328	
	General Superintendent	\$172.40	2	\$629	
	Assistant Project Manager	\$105.60	4	\$345	
	Senior Estimator	\$128.90	2	\$423	
	Mechanical Process Lead	\$204.50	4	\$258	
	Concrete/Civil Estimator	\$85.90	0	\$818	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$69.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
9.6 Value Analysis (VA) Work Shops	Project Executive	\$238.00	0	\$10,967	Task 9.6
	Senior PM	\$164.20	8	\$0	
	Equipment/Procurement	\$157.30	8	\$1,314	
	General Superintendent	\$172.40	8	\$1,258	
	Assistant Project Manager	\$105.60	8	\$1,379	
	Senior Estimator	\$128.90	8	\$546	
	Mechanical Process Lead	\$204.50	8	\$1,031	
	Concrete/Civil Estimator	\$85.90	8	\$1,636	
	E/I & C Superintendent	\$122.60	8	\$687	
	Mechanical/Electrical Estimator	\$99.70	8	\$531	
	Mechanical Superintendent	\$125.60	0	\$798	
	Concrete Superintendent	\$129.60	8	\$0	
	Chief Scheduler	\$69.50	0	\$1,837	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
9.7 Value Analysis (VA) Log	Project Executive	\$238.00	0	\$11,816	Task 9.7
	Senior PM	\$164.20	4	\$0	
	Equipment/Procurement	\$157.30	16	\$637	
	General Superintendent	\$172.40	0	\$2,517	
	Assistant Project Manager	\$105.60	16	\$0	
	Senior Estimator	\$128.90	16	\$1,693	
	Mechanical Process Lead	\$204.50	16	\$2,062	
	Concrete/Civil Estimator	\$85.90	16	\$3,272	
	E/I & C Superintendent	\$122.60	0	\$1,374	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$69.50	0	\$0	
	Project Administrator	\$60.10	4	\$0	
	CAD Coordinator	\$89.90	0	\$240	
	Safety Manager	\$125.60	0	\$0	
9.8 VA Review & Approval	Project Executive	\$238.00	0	\$8,338	Task 9.8
	Senior PM	\$164.20	8	\$0	
	Equipment/Procurement	\$157.30	8	\$1,314	
	General Superintendent	\$172.40	0	\$1,258	
	Assistant Project Manager	\$105.60	0	\$0	
	Senior Estimator	\$128.90	16	\$0	
	Mechanical Process Lead	\$204.50	8	\$1,693	
	Concrete/Civil Estimator	\$85.90	8	\$1,031	
	E/I & C Superintendent	\$122.60	0	\$1,636	
	Mechanical/Electrical Estimator	\$99.70	0	\$687	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$69.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$0	
	Safety Manager	\$125.60	0	\$719	
9.9 Reconciliation of Designers Cost Control Consultant Cost Model	Project Executive	\$238.00	0	\$11,273	Task 9.9
	Senior PM	\$164.20	4	\$0	
	Equipment/Procurement	\$157.30	16	\$637	
	General Superintendent	\$172.40	0	\$2,517	
	Assistant Project Manager	\$105.60	16	\$0	
	Senior Estimator	\$128.90	16	\$1,693	
	Mechanical Process Lead	\$204.50	16	\$2,062	
	Concrete/Civil Estimator	\$85.90	32	\$0	
	E/I & C Superintendent	\$122.60	0	\$2,749	
	Mechanical/Electrical Estimator	\$99.70	16	\$0	
	Mechanical Superintendent	\$125.60	0	\$1,355	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$69.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
10	80% Design Development				\$56,850
10.1	60% Cost Model Updates			\$17,866	Task 10.1
	Project Executive	\$236.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	28	\$2,962	
	Senior Estimator	\$125.50	16	\$2,052	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$65.90	24	\$2,062	
	E/I & C Superintendent	\$122.60	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.70	24	\$2,393	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
10.2	60% Technical Design Project Meetings			\$9,470	Task 10.2
	Project Executive	\$236.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$65.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
10.3	60% Constructability Review Work Shops			\$11,493	Task 10.3
	Project Executive	\$236.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$65.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
10.4	60% Constructability Review Reports			\$1,931	Task 10.4
	Project Executive	\$236.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$125.50	4	\$516	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$65.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	4	\$240	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
10.5	Review & Comment on Process Control Narrative			\$2,801	Task 10.5
	Project Executive	\$236.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.80	4	\$423	
	Senior Estimator	\$125.50	2	\$258	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$65.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
10.6	Value Analysis (VA) Work Shops			\$10,967	Task 10.6
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$796	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	8	\$1,037	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$80.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
10.7	Value Analysis (VA) Log			\$13,014	Task 10.7
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$85.90	16	\$1,374	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$80.10	0	\$0	
	CAD Coordinator	\$89.90	16	\$1,438	
	Safety Manager	\$125.60	0	\$0	
10.8	VA Review & Approval			\$8,338	Task 10.8
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$80.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$719	
	Safety Manager	\$125.60	0	\$0	
10.9	Reconciliation of Designers Cost Control Consultant Cost Model			\$11,930	Task 10.9
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	16	\$1,595	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.90	0	\$0	
	Project Administrator	\$80.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
11	90% Design Development				\$110,130
11.1	90% Cost Model Update			\$27,090	Task 11.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	32	\$3,386	
	Senior Estimator	\$128.90	32	\$4,125	
	Mechanical Process Lead	\$204.60	32	\$6,544	
	Concrete/Civil Estimator	\$85.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	32	\$3,923	
	Mechanical/Electrical Estimator	\$99.70	32	\$3,190	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.2	90% Technical Design Project Meetings			\$8,470	Task 11.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.60	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.60	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	8	\$1,005	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.3	90% Constructability Review Work Shops			\$12,474	Task 11.3
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.60	16	\$1,690	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.60	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$125.60	8	\$1,005	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.4	90% Constructability Review Reports			\$1,690	Task 11.4
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	8	\$846	
	Senior Estimator	\$128.90	4	\$516	
	Mechanical Process Lead	\$204.60	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.5	90% Bidability Reviews			\$13,565	Task 11.5
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.60	16	\$1,690	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.60	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	16	\$1,595	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$125.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	MCCARTHY TOTAL HOURS or QTY		
11.6	Review & Comment on Process Control Narrative			\$2,592	Task 11.6
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	2	\$328	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.40	2	\$345	
	Assistant Project Manager	\$105.80	4	\$423	
	Senior Estimator	\$128.90	2	\$258	
	Mechanical Process Lead	\$204.50	2	\$409	
	Concrete/Civil Estimator	\$55.90	3	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	2	\$199	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.7	Value Analysis (VA) Work Shops			\$10,957	Task 11.7
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$55.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	8	\$1,037	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
11.8	Value Analysis (VA) Log			\$13,014	Task 11.8
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$55.90	16	\$1,374	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	16	\$1,438	
	Safety Manager	\$125.60	0	\$0	
11.9	VA Review & Approval			\$9,338	Task 11.9
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$55.90	8	\$687	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$719	
	Safety Manager	\$125.60	0	\$0	
11.10	Reconciliation of Designers Cost Control Consultant Cost Model			\$11,930	Task 11.10
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	16	\$2,517	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$128.90	16	\$2,062	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$55.90	32	\$2,749	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	16	\$1,595	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY		
12	100% Contract Document Completion				\$103,771
12.1	Development of Original Schedule of Values (SOV)			\$6,530	Task 12.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$125.50	4	\$516	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$85.90	4	\$344	
	E/I & C Superintendent	\$122.50	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.50	0	\$0	
	Concrete Superintendent	\$129.50	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.50	0	\$0	
12.2	Finalize Schedule of Values			\$10,241	Task 12.2
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	40	\$4,232	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	8	\$687	
	E/I & C Superintendent	\$122.50	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.50	0	\$0	
	Concrete Superintendent	\$129.50	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	24	\$1,442	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.50	0	\$0	
12.3	Review and Approve SOV with Owner			\$6,066	Task 12.3
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$125.50	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.50	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.50	0	\$0	
	Concrete Superintendent	\$129.50	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.50	0	\$0	
12.4	Develop and Submit Final Construction GMP			\$65,050	Task 12.4
	Project Executive	\$238.00	8	\$1,904	
	Senior PM	\$164.20	48	\$7,882	
	Equipment/Procurement	\$157.30	32	\$5,034	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	48	\$5,078	
	Senior Estimator	\$125.50	56	\$7,216	
	Mechanical Process Lead	\$204.50	48	\$9,816	
	Concrete/Civil Estimator	\$85.90	64	\$5,498	
	E/I & C Superintendent	\$122.50	16	\$1,962	
	Mechanical/Electrical Estimator	\$99.70	48	\$4,786	
	Mechanical Superintendent	\$125.50	0	\$0	
	Concrete Superintendent	\$129.50	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	52	\$3,125	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.50	0	\$0	

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TASK	DESCRIPTION			TOTAL COST PER PERSON	TOTAL COST PER TASK
		RATE \$/HR or \$/EA	McGARTHY TOTAL HOURS or QTY		
12.5	Review Final Construction GMP and Approve			\$25,654	Task 12.5
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	24	\$3,941	
	Equipment/Procurement	\$157.30	24	\$3,775	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$125.90	24	\$3,094	
	Mechanical Process Lead	\$204.50	24	\$4,908	
	Concrete/Civil Estimator	\$85.90	24	\$2,062	
	E/I & C Superintendent	\$122.60	24	\$2,942	
	Mechanical/Electrical Estimator	\$99.70	24	\$2,393	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
13	Project Execution				\$25,610
13.1	Site Specific Safety Plan			\$11,279	Task 13.1
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	15	\$2,758	
	Assistant Project Manager	\$105.80	15	\$1,593	
	Senior Estimator	\$125.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$481	
	Safety Manager	\$125.60	0	\$0	
13.2	Site Specific Quality Plan			\$5,024	Task 13.2
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	15	\$2,627	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.40	16	\$2,758	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$125.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	16	\$2,010	
	Concrete Superintendent	\$129.60	8	\$1,037	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	16	\$962	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
14	Modular Trailer Relocation of Employees				\$30,310
14.1	Trailer & Office Equipment Setup for Field Office			\$2,674	
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	16	\$1,693	
	Senior Estimator	\$125.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
	Office Phone, Data, Equipment, Computers, Office Supplies	\$27,636.00	1	\$27,636	

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TASK	DESCRIPTION	RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY	TOTAL COST PER PERSON	TOTAL COST PER TASK
				Total Cost	\$582,400
	Man Hour Summary		Total Hours		
	Project Executive		7566	\$833,054	
	Senior PM	\$236.00	60	\$14,280	
	Equipment/Procurement	\$164.20	882	\$111,884	
	General Superintendent	\$167.30	710	\$111,683	
	Assistant Project Manager	\$172.40	408	\$70,339	
	Senior Estimator	\$105.80	1393	\$147,379	
	Mechanical Process Lead	\$125.90	843	\$108,653	
	Concrete/Civil Estimator	\$204.50	456	\$93,252	
	E/E & C Superintendent	\$85.90	744	\$63,916	
	Mechanical/Electrical Estimator	\$122.60	335	\$41,071	
	Mechanical Superintendent	\$99.70	715	\$71,286	
	Concrete Superintendent	\$125.80	126	\$15,826	
	Chief Scheduler	\$125.60	43	\$5,573	
	Project Administrator	\$89.50	103	\$9,219	
	CAD Coordinator	\$60.10	604	\$36,306	
	Safety Manager	\$89.90	302	\$27,150	
		\$125.60	41	\$5,150	

RFP No. 11.53541.01-LED
CMAR FOR WPCF INFRASTRUCTURE RELACEMENT
EXHIBIT E - ADDITIONAL PRECONSTRUCTION SERVICES COMPENSATION
MCCARTHY BUILDING COMPANIES, INC.
AUGUST 26, 2011
Summary of Additional Services By Task

TASK	DESCRIPTION	TOTAL	TOTAL TASK
	Printing & Reproduction Costs	\$ 10,000	\$ 10,000
	Total 3.2.A		\$ 65,503
3.2.A	- Additional Partnering Workshops Per Session (up to 3)	\$ 35,503	
	- Facilitator for Additional Partnering Sessions (up to 3)	\$ 30,000	
	Total 4.7.A		\$ 19,768
4.7.A	- Subsurface Exploration - (2) Ground Water Test Wells	\$ 11,700	
	- Subsurface Exploration (Report Preparation)	\$ 8,068	
	* - Per Hour Potholing & Subsurface Exploration (UNIT PRICE ONLY)	\$ 971	UNIT PRICE
	Total 5.3.A		\$ 15,672
5.3.A	Vendor Presentations	\$ 15,672	
	Total 5.4.A		\$ 59,056
5.4.A	- Travel to Various Sites for Equipment Evaluation (up to 5 Visits)	\$ 38,008	
	- Equipment and Factory Site Visits (up to 5 Visits)	\$ 21,048	
	Total 6.4.1.A		\$ 10,685
6.4.1.A	- Request for Subcontractor Qualification Process NRS 338 (Rev. per SB 268 Phased GMP)	\$ 8,985	
	- Sub Prequalification Advertisements (Per SB268) (up to 2 additional)	\$ 700	
	- Sub Presubmission Meeting Room Rental (Per SB 268) up to 2 additional)	\$ 1,000	
	Total 6.4.2.A		\$ 8,474
6.4.2.A	- Request for Proposal per NRS 338 (Rev. per SB 268 Phased GMP)	\$ 6,774	
	- Sub Proposal Advertisements (Per SB268) (up to 2 additional)	\$ 700	
	- Sub Pre-Bid Meeting Room Rental (Per SB 268) (up to 2 additional)	\$ 1,000	
8.2.A	3D Modeling (Select 1 Service from the Options Below)		\$ 224,401
8.2.A.1	- Develop Complete Level 300 3D Model	\$ 224,401	
8.2.A.2	- Develop Level 300 Major Component 3D Model	\$ 143,005	
8.2.A.3	- Develop Level 300 3D Model of Congested Areas / Clash Detection	\$ 83,168	
8.2.A.4	- Develop Level 300 3D Model for Structure Tie-Ins and MOPO's	\$ 36,420	
	Task 12.4.A		\$ 10,382
12.4.A	- Develop and Submit Final PHASED Construction GMP (2 additional)	\$ 10,382	
	Total 12.5.A		\$ 8,657
12.5.A	- Review PHASED Conformed Set of Documents and Provide Report (2 additional)	\$ 8,657	
	Total 12.6.A		\$ 7,954
12.6.A	- Review PHASED Conformed Set of Documents and Provide Report (2 additional)	\$ 7,954	
* Unit Price Only			Total: \$ 440,552

Summarized Additional Cost for Each Phased GMP (Consists of Tasks, 6.4.1.A, 6.4.2.A, 12.4.A, 12.5.A, 12.6.A)	\$ 23,076
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Man Hour Summary		
	Rates	Hours
Project Executive	\$ 238.00	44
Senior PM	\$ 164.20	72
Equipment/Procurement	\$ 157.30	176
General Superintendent	\$ 172.40	56
Assistant Project Manager	\$ 105.80	160
Senior Estimator	\$ 128.90	104
Mechanical Process Lead	\$ 204.50	80
Concrete/Civil Estimator	\$ 85.90	56
E/I & C Superintendent	\$ 122.60	32
Mechanical/Electrical Estimator	\$ 99.70	72
Mechanical Superintendent	\$ 125.60	16
Concrete Superintendent	\$ 129.60	0
Chief Scheduler	\$ 89.50	8
Project Admininstartor	\$ 60.10	40
CAD Coordinator	\$ 89.90	2448
Safety Manager	\$ 125.60	0
Total Hours		3364

RFP No. 11.53541.01-LED
CMAR FOR WPCF INFRASTRUCTURE REPLACEMENT
EXHIBIT E - ADDITIONAL PRECONSTRUCTION SERVICES
MCCARTHY BUILDING COMPANIES, INC.
AUGUST 28, 2011

TASK	DESCRIPTION	RATE \$/HR or \$/EA	MCCARTHY TOTAL HOURS or QTY	TOTAL COST PER PERSON	TOTAL COST PER TASK
	Printing & Reproduction Costs	\$10,000.00	1	\$10,000	\$10,000
3.2.A	- Additional Partnering Workshops Per Session (up to 3)	\$11,834.40	3	\$35,503	\$65,503
	- Facilitator for Additional Partnering Sessions (up to 3)	\$10,000.00	3	\$30,000	
	Additional Partnering Workshops Per Session (Information Only)			\$11,834	
	Project Executive	\$238.00	8	\$1,904	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	8	\$1,258	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	8	\$846	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$35.90	8	\$687	
	E/I & C Superintendent	\$122.60	8	\$981	
	Mechanical/Electrical Estimator	\$99.70	8	\$798	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.60	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
4.7.A	- Subsurface Exploration - (2) Ground Water Test Wells	\$5,650.00	2	\$11,700	\$19,768
	- Subsurface Exploration (Report Preparation)			\$8,068	
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	2	\$1,379	
	Assistant Project Manager	\$105.80	16	\$1,683	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	16	\$3,272	
	Concrete/Civil Estimator	\$35.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	8	\$1,005	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.60	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	8	\$719	
	Safety Manager	\$125.60	0	\$0	
	- Per Hour Potholing & Subsurface Exploration (UNIT PRICE ONLY) (this includes Soft Digging, Survey, Backfill, Super & Asst PM per Hour)	\$971.00	1	\$971	
5.3.A	Vendor Presentations			\$15,672	\$15,672
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	40	\$6,292	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	24	\$2,539	
	Senior Estimator	\$128.90	24	\$3,094	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$35.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	5	\$798	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.60	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION	RATE \$/HR or \$/EA	McCARTHY TOTAL HOURS or QTY	TOTAL COST PER PERSON	TOTAL COST PER TASK
5.4.A	- Travel to Various Sites for Equipment Evaluation (up to 5 Visits)	\$7,601.50	5	\$38,008	\$59,856
	- Equipment and Factory Site Visits (up to 5 Visits)			\$21,048	
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	80	\$12,584	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	80	\$8,464	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$39.60	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$39.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.4.1.A	- Request for Subcontractor Qualification Process NRS 338 (Rev. per SB 268 Phased GMP)	\$4,492.40	2	\$8,985	\$10,685
	- Sub Prequalification Advertisements (Per SB268) (up to 2 additional)	\$350.00	2	\$700	
	- Sub PreSubmission Meeting Room Rental (Per SB 268) up to 2 additional)	\$500.00	2	\$1,000	
	Request for Subcontractor Qualification Process NRS 338 (Rev. per SB 268 Phased GMP) (Information Only)			\$4,492	
	Project Executive	\$238.00	4	\$952	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	4	\$344	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$39.60	0	\$0	
	Project Administrator	\$60.10	0	\$481	
	CAD Coordinator	\$39.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
6.4.2.A	- Request for Proposal per NRS 338 (Rev. per SB 268 Phased GMP)	\$3,367.30	2	\$6,734	\$8,474
	- Sub Proposal Advertisements (Per SB268) (up to 2 additional)	\$350.00	2	\$700	
	- Sub Pre-Bid Meeting Room Rental (Per SB 268) (up to 2 additional)	\$500.00	2	\$1,000	
	Request for Proposal per NRS 338 (Rev. per SB 268 Phased GMP) (Information Only)			\$3,367	
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	0	\$0	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	8	\$1,031	
	Mechanical Process Lead	\$204.50	0	\$0	
	Concrete/Civil Estimator	\$85.90	4	\$344	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$39.60	0	\$0	
	Project Administrator	\$60.10	0	\$481	
	CAD Coordinator	\$39.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	

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TASK	DESCRIPTION	RATE \$/HR or \$/EA	MCCARTHY TOTAL HOURS or QTY	TOTAL COST PER PERSON	TOTAL COST PER TASK
8.2.A	3D Modeling (Select 1 Service from the Options Below)				
8.2.A.1	- Develop Complete Level 300 3D Model			\$224,401	\$224,401
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	8	\$716	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	2440	\$219,356	
	Safety Manager	\$125.60	0	\$0	
8.2.A.2	- Develop Level 300 Major Component 3D Model			\$143,005	\$143,005
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	8	\$716	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	1534.6	\$137,961	
	Safety Manager	\$125.60	0	\$0	
8.2.A.3	- Develop Level 300 3D Model of Congested Areas / Clash Detection			\$83,168	\$83,168
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	8	\$716	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	869	\$78,123	
	Safety Manager	\$125.60	0	\$0	
8.2.A.4	- Develop Level 300 3D Model for Structure Ties and MOPO's			\$36,420	\$36,420
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	8	\$1,314	
	Equipment/Procurement	\$157.30	0	\$0	
	General Superintendent	\$172.40	8	\$1,379	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	0	\$0	
	Mechanical Process Lead	\$204.50	8	\$1,636	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	0	\$0	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	8	\$716	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	349	\$31,375	
	Safety Manager	\$125.60	0	\$0	

404

TASK	DESCRIPTION	RATE \$/HR or \$/EA	MCCARTHY TOTAL HOURS or QTY	TOTAL COST PER PERSON	TOTAL COST PER TASK
12.4.A	- Develop and Submit Final PHASED Construction GMP (2 additional)	\$5,191.20	2	\$10,382	\$10,382
	Develop and Submit Final PHASED Construction GMP (Information Only)			\$5,191	
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.48	4	\$690	
	Assistant Project Manager	\$105.80	4	\$423	
	Senior Estimator	\$128.90	4	\$516	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$85.90	4	\$344	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$50.10	4	\$200	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
12.5.A	- Develop and Submit Final PHASED Construction GMP (2 additional)	\$4,328.40	2	\$8,657	\$8,657
	Review Final PHASED Construction GMP and Approve (Information Only)			\$4,328	
	Project Executive	\$238.00	2	\$476	
	Senior PM	\$164.20	4	\$657	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.48	0	\$0	
	Assistant Project Manager	\$105.80	0	\$0	
	Senior Estimator	\$128.90	4	\$516	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$85.90	4	\$344	
	E/I & C Superintendent	\$122.60	4	\$490	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	0	\$0	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
12.6.A	- Review PHASED Conformed Set of Documents and Provide Report (2 additional)	\$3,976.80	2	\$7,954	\$7,954
	Review Conformed Set of Documents & Provide Report (Information Only)			\$3,977	
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.48	4	\$690	
	Assistant Project Manager	\$105.80	4	\$423	
	Senior Estimator	\$128.90	4	\$516	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	4	\$502	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$50.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$125.60	0	\$0	
				Total Additional Services:	\$420,552
				w/ 2.2.A.1 Included	

Man Hour Summary	Total Hours	3364	
Project Executive	\$238.00	44	\$10,472
Senior PM	\$164.20	72	\$11,822
Equipment/Procurement	\$157.30	176	\$27,685
General Superintendent	\$172.48	56	\$9,654
Assistant Project Manager	\$105.80	160	\$16,928
Senior Estimator	\$128.90	164	\$21,340
Mechanical Process Lead	\$204.50	80	\$16,360
Concrete/Civil Estimator	\$85.90	36	\$3,110
E/I & C Superintendent	\$122.60	32	\$3,923
Mechanical/Electrical Estimator	\$99.70	72	\$7,178
Mechanical Superintendent	\$125.60	16	\$2,010
Concrete Superintendent	\$129.60	0	\$0
Chief Scheduler	\$89.50	8	\$716
Project Administrator	\$50.10	40	\$2,004
CAD Coordinator	\$89.90	244	\$22,075
Safety Manager	\$125.60	0	\$0

12.6.A	- Review PHASED Conformed Set of Documents and Provide Report (2 additional)	\$3,976.60	2	\$7,954	\$7,954
	Review Conformed Set of Documents & Provide Report (Information Only)			\$3,977	
	Project Executive	\$238.00	0	\$0	
	Senior PM	\$164.20	0	\$0	
	Equipment/Procurement	\$157.30	4	\$629	
	General Superintendent	\$172.40	4	\$690	
	Assistant Project Manager	\$166.80	4	\$423	
	Senior Estimator	\$128.90	4	\$516	
	Mechanical Process Lead	\$204.50	4	\$818	
	Concrete/Civil Estimator	\$85.90	0	\$0	
	E/I & C Superintendent	\$122.60	0	\$0	
	Mechanical/Electrical Estimator	\$99.70	4	\$399	
	Mechanical Superintendent	\$125.60	4	\$502	
	Concrete Superintendent	\$129.60	6	\$0	
	Chief Scheduler	\$89.50	0	\$0	
	Project Administrator	\$60.10	0	\$0	
	CAD Coordinator	\$89.90	0	\$0	
	Safety Manager	\$126.60	0	\$0	
				Total Additional Services: w/ 8.2.A.1 Included	
				\$420,552	

Man Hour Summary		Total Hours	3364	\$347,424	
	Project Executive	\$238.00	44	\$10,472	
	Senior PM	\$164.20	72	\$11,822	
	Equipment/Procurement	\$157.30	176	\$27,685	
	General Superintendent	\$172.40	56	\$9,654	
	Assistant Project Manager	\$166.80	160	\$16,928	
	Senior Estimator	\$128.90	104	\$13,406	
	Mechanical Process Lead	\$204.50	80	\$16,360	
	Concrete/Civil Estimator	\$85.90	36	\$4,910	
	E/I & C Superintendent	\$122.60	32	\$3,923	
	Mechanical/Electrical Estimator	\$99.70	72	\$7,178	
	Mechanical Superintendent	\$125.60	16	\$2,010	
	Concrete Superintendent	\$129.60	0	\$0	
	Chief Scheduler	\$89.50	8	\$716	
	Project Administrator	\$60.10	40	\$2,404	
	CAD Coordinator	\$89.90	2449	\$220,675	
	Safety Manager	\$126.60	0	\$0	

EXHIBIT F – Key Personnel List

RFP No. 11.53541.01-LED
CMAR for WPCF Infrastructure Replacement
Exhibit F
August 29, 2011

City Personnel

City Representative: John Bettencourt

CMAR Personnel

The following personnel will be assigned by the CMAR to work on the Project. Any changes require City approval.

Project Executive: Raymond Sedey

Sr. Project Manager: Shawn Ingram

Mechanical Process Lead: Frank Scopetti

Senior Estimator: Jason Howard

Equipment / Procurement: Jim Curcio

ATTACHMENT 2
FEE STRUCTURE PROPOSAL

Date of Proposal: ~~April 7, 2011~~ Amended August 26, 2011

Finalist: McCarthy Building Companies, Inc.

COMPANY NAME

PRECONSTRUCTION SERVICES*

Proposed Fixed Fee: \$ 982,400

CONSTRUCTION AND POST CONSTRUCTION SERVICES*

Form of compensation: The cost of the work, plus a fee, with a guaranteed maximum price.

Proposed Fee Breakdown Structure:

Base Contract

General Conditions/Overhead \$ 3,863,063.00

Fee \$ 3,500,000.00

Change Orders

General Conditions/Overhead % Markup 5.5%

Fee % Markup 3.5%

***General Conditions and Fee Inclusions (but not limited to):**

Project Executive	General Labor	Permitting/City Licenses
Project Manager	Computer Charges	Scheduling
Project Engineer	Data Processing	Project field Office
General Superintendent	Fax Office/Job	Protection of work
Superintendent	Safety Enforcement & Safety	Blueprinting
	Signage	
Accounting Services	Secretarial Services	Daily & Final Clean Up/
General Overhead	First Aid Facilities	Trash Dumpsters
Telephone Expenses	UPS/Fed Ex	Security of property during
		construction
Mail	General Field Coordination	Small Tools
Insurance	Toilet Facilities	Petty Cash
Home office Expenses	Tenant Vendor Coordination	
Preconstruction Services	Estimation	
Office Supplies		

**The cost of bonds are not included in the change order mark-ups noted above.

Note: Using the format provided in Form A, Finalists shall provide a detailed breakdown of the assumptions used to establish their proposed preconstruction fee and construction/post construction general conditions/overhead and fee shown on this page.

**FORM A - ASSUMPTIONS AND BREAKDOWN STRUCTURE FOR
PRECONSTRUCTION AND CONSTRUCTION/POST CONSTRUCTION SERVICES**

Finalist shall detail the labor and direct job cost assumptions used to establish their proposed fee for preconstruction and general conditions/overhead and fee construction/post construction services shown on page 1 of this Attachment. The labor breakdown can be stated either as a lump sum or based on hourly rates. The breakdown shall be distinguished between preconstruction and construction/post construction phases and include sufficient information for the owner to determine how the proposed fees and general conditions/overhead were established all. Man-hours are to be submitted for comparison purposes only. The actual level of effort is the sole responsibility of the CMAR awarded the contract. The contract for preconstruction services will be a lump sum fee which includes all labor, overhead, profit and direct and indirect job expenses to provide the services necessary to complete this project. The contract for construction/post construction services will be for the cost of the work, plus a fee, with a guaranteed maximum price.

PRECONSTRUCTION SERVICES – ASSUMPTIONS AND BREAKDOWN

LABOR (Show as man-hours/hourly rate or lump sum fee)

Position/Activity*	Man-hours	Hourly Rate	Lump Sum Fee	Extended Cost
DUE TO DETAIL SEE ATTACHED BREAKDOWN				
Subtotal				\$982,400.00

DIRECT JOB COSTS

DIRECT JOB COST ITEMS*	COST
Subtotal	\$0.00

Grand Total Preconstruction	\$982,400.00
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* Finalist's shall use the General Conditions and Fee Inclusion list contained on page 1 of this Attachment as a guideline for preparing their breakdown. Additional positions and activity categories should be added as required to support this Project.

Position/Activity*	Man-hours	Hourly Rate	Lump Sum Fee	Extended Cost
DUE TO DETAIL SEE ATTACHED BREAKDOWN				
			Subtotal	\$2,889,108.00

DIRECT JOB COST ITEMS*		COST
DUE TO DETAIL SEE ATTACHED BREAKDOWN		
	Subtotal	\$773,955.00

* Finalist's shall use the General Conditions and Fee Inclusion list contained on page 1 of this Attachment as a guideline for preparing their breakdown. Additional positions and activity categories should be added as required to support this Project.