### ST. PETERSBURG CITY COUNCIL

### Meeting of June 1, 2017

#### REPORT

TO: The Honorable Darden Rice, Chair, and Members of City Council

SUBJECT: A resolution approving a partial control estimate #1 for WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL Construction, Inc.'s extended general conditions in an amount not to exceed \$1,324,752 for a four month duration (May 1 through August 31); authorizing payment to PCL Construction, Inc. ("PCL") in an amount not to exceed \$697,000 for the premiums and costs for bonds and insurance required by the Construction Manager Contract between the City of St. Petersburg, Florida and PCL dated April 17, 2017, as amended ("CM Contract") (WRF NW Construction Manager FY17 Project, Engineering No. 17063-111; Oracle No. 15960); authorizing the Mayor or his designee to execute the Second Amendment to incorporate the above referenced Partial Control Estimate into the CM Contract and modify other necessary sections of the CM Contract; rescinding an unencumbered appropriation in the amount of \$1,000,000 from the Water Resources Capital Projects Fund (4003), COS Optimization Construction FY17 Project (Oracle No. 15783); approving a supplemental appropriation in the amount of \$1,000,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003), resulting from the above rescission, to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960); approving a supplemental appropriation in the amount of \$244,740 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the WRF NW Construction Manager FY-17 Project (Engineering No. 17063-111; Oracle No. 15960); and providing an effective date.

**EXPLANATION:** On April 17, 2017 City Council approved a Construction Manager Contract ("CM Contract") with PCL Construction Inc. ("PCL") for preconstruction and construction services for the Projects described in the CM Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility.

The initial CM Contract included:

- Control Estimates for:
  - o WRF NW Construction Manager FY17 (Engineering No. 17063-111; Oracle No. 15960)
    - Pre-Construction Services
  - WRF NW New Filters FY17

(Engineering No. 17052-111; Oracle No. 15926)

Filter Piping Construction

On May 18, 2017, City Council approved the First Amendment to the CM Contract, which incorporated Partial Control Estimate #2 for WRF NW New Filters FY17 (Engineering No. 17052-111; Oracle No. 15926) and (ii) Partial Control Estimate #1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17053-11; Oracle No. 15927). The First Amendment included:

- WRF NW New Filters FY17 Project (Engineering No. 17052-111; Oracle No. 15926)
  - o UG/AG Piping and Appurtenances Installation
  - o Backwash System
  - Pump Station and Piping Installation
  - o Concrete structure for filtration system
  - o Influent and & Effluent tie in at Existing Filter Structure

1/20

- WRF NW New Injection Wells FY17 Project (Engineering No. 17053-111; Oracle No. 15927)
  - o Procurement of Effluent Disposal Pumps
  - o Acidization of IW-1 and IW-2

The Second Amendment in the amount of \$2,021,752 is for:

- WRF NW Construction Manager FY17 (Engineering No. 17063-111; Oracle No. 15960)
  - o Continuing General Conditions Services from May 1, 2017 through August 31st, 2017
  - o Bonds (based on \$20M)
  - o Builders Risk/GL Insurances

The table below provides details of the Contract Costs approved to date and the additional Control Estimate Costs (Second Amendment) with their respective funding source(s).

	WRF NW New Filters FY17	WRF NW New Injection Wells FY17	WRF NW Construction Manager FY17	Totals
Project Numbers	17052-111; 15926	17053-111; 15927	17063-111; 15960	
Original Contract				
Contract Cost	\$2,251,253	\$0	\$407,175	\$2,658,428
Admin/CEI Cost	\$341,176	\$105,000	\$50,000	\$496,176
Subtotal	\$2,592,429	\$105,000	\$457,175	\$3,154,604
Amendment #1				Challenger
Contract Cost	\$ 1,642,258	\$ 1,115,113	\$0	\$ 2,757,371
Admin/CEI Cost				
SubTotal	\$ 1,642,258	\$ 1,115,113	\$0	\$ 2,757,371
Amendment #2				
Contract Cost	\$0	\$0.	\$2,021,752	\$ 2,021,752
Admin/CEI Cost		ters augustion is	<b>建筑建设全线的</b>	
SubTotal	\$0	\$0	\$2,021,752	\$ 2,021,752
Total Funding Source	\$0	\$0	WRF \$777,012 Appr. \$1,244,740	WRF \$777,012 Appr: \$1,244,740
TOTAL CONSTR. COST	\$ 4,234,687	\$ 1,220,113	\$ 2,478,927	\$ 7,933,727
Total PCL Costs	\$ 3,893,511	\$ 1,115,113	\$ 2,428,927	\$ 7,437,551

Control Estimates are construction cost estimates and each estimate package includes an owner allowance. PCL shall prepare bid packages and solicit quotes for various scopes of work included in each control estimate package.

**RECOMMENDATION:** Administration recommends City Council approve the attached resolution approving a Second Amendment, not to exceed \$2,021,752; authorizing the Mayor or his designee to execute the Second Amendment and all other necessary documents.

COST/FUNDING/ASSESSMENT INFORMATION: A portion of the funding has already been

appropriated (\$777,012) in the Water Resources Capital Projects Fund (4003) in the amount of \$777,012 in the WRF NW Construction Manager FY17 Project (Oracle No. 15960). Additional funding will be available after the rescission of an unencumbered appropriation in the amount of \$1,000,000 from the Water Resources Capital Projects Fund (4003), COS Optimization Construction FY17 Project (Oracle No. 15783); the approval of a supplemental appropriation in the amount of \$1,00,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003), resulting from the above rescission, to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960); and the approval of a supplemental appropriation in the amount of \$244,740 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960).

ATTACHMENTS: Resolution

APPROVALS:

Final 00324413 Administrative

laude Tankersley

Budget

# RESOLUTION NO. 2017-

A RESOLUTION APPROVING A PARTIAL CONTROL ESTIMATE #1 FOR WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960) FOR PCL CONSTRUCTION, INC.'S EXTENDED GENERAL CONDITIONS IN AN AMOUNT NOT TO EXCEED \$1,324,752 FOR A FOUR MONTH DURATION (MAY 1 THROUGH AUGUST 31); AUTHORIZING PAYMENT TO PCL CONSTRUCTION, INC. ("PCL") IN AN AMOUNT NOT TO EXCEED \$697,000 FOR THE PREMIUMS AND COSTS FOR BONDS AND INSURANCE REQUIRED CONSTRUCTION MANAGER CONTRACT BETWEEN THE CITY OF ST. PETERSBURG, FLORIDA AND PCL DATED APRIL 17, 2017, AS AMENDED ("CM CONTRACT") (WRF NW CONSTRUCTION MANAGER FY17 PROJECT, ENGINEERING NO. 17063-111; ORACLE NO. 15960); AUTHORIZING THE MAYOR OR HIS DESIGNEE TO EXECUTE THE SECOND AMENDMENT TO INCORPORATE THE ABOVE REFERENCED PARTIAL CONTROL ESTIMATE INTO THE CM CONTRACT AND MODIFY OTHER NECESSARY SECTIONS OF THE CM CONTRACT; RESCINDING AN UNENCUMBERED APPROPRIATION IN THE AMOUNT OF \$1,000,000 FROM THE WATER RESOURCES CAPITAL PROJECTS FUND (4003), COS OPTIMIZATION CONSTRUCTION FY17 PROJECT (ORACLE NO. 15783); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$1,000,000 FROM THE UNAPPROPRIATED BALANCE OF THE WATER RESOURCES CAPITAL PROJECTS FUND (4003), RESULTING FROM THE ABOVE RESCISSION, TO THE WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$244,740 FROM THE UNAPPROPRIATED BALANCE OF THE WATER RESOURCES CAPITAL PROJECTS FUND (4003) TO THE WRF NW CONSTRUCTION MANAGER FY17 PROJECT (ENGINEERING NO. 17063-111; ORACLE NO. 15960); AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of St. Petersburg, Florida ("City") and PCL Construction, Inc. ("PCL") executed a Construction Manager Contract ("CM Contract") on April 17, 2017, for PCL to provide preconstruction and construction services for the Projects described in the CM Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility; and

WHEREAS, following execution of the CM Contract, the City authorized PCL to (i) provide the preconstruction services in an amount not to exceed \$407,175 and (ii) commence work on WRF NW New Filters FY17 (Engineering No. 17052-111; Oracle No. 15926) pursuant to a Partial Control Estimate attached to the CM Contract; and

WHEREAS, on May 18, 2017, the City Council approved the First Amendment to the CM Contract, which incorporated Partial Control Estimate #2 for WRF NW New Filters FY17

(Engineering No. 17052-111; Oracle No. 15926) and (ii) Partial Control Estimate # 1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17053-11; Oracle No. 15927) into the CM Contract; and

WHEREAS, in accordance with the requirement set forth in the CM Contract (as amended), PCL has submitted Partial Control Estimate # 1 for WRF NW New Injection Wells FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL's extended general conditions for a four month duration (May 1 through August 31) and the not to exceed amount for the premiums and costs for bond and insurance required by the CM Contract; and

WHEREAS, the City desires to execute the Second Amendment to the CM Contract (as amended) with PCL to incorporate the above referenced Partial Control Estimate into the CM Contract (as amended) and modify other necessary sections of the CM Contract (as amended).

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida that Partial Control Estimate #1 WRF NW Construction Manager FY17 Project (Engineering No. 17063-111; Oracle No. 15960) for PCL Construction, Inc.'s extended general conditions in an amount not to exceed \$1,324,752 for a four month duration (May 1 through August 31) is hereby approved.

BE IT FURTHER RESOLVED that payment to PCL Construction, Inc. ("PCL") in an amount not to exceed \$697,000 for the premiums and costs for bonds and insurance required by the Construction Manager Contract between the City of St. Petersburg, Florida and PCL dated April 17, 2017, as amended ("CM Contract").

BE IT FURTHER RESOLVED that the Mayor or his designee is authorized to execute the Second Amendment to incorporate the above referenced Partial Control Estimate into the CM Contract and modify other necessary sections of the Contract.

BE IT FUTHER RESOLVED that the appropriation in the amount of \$1,000,000 in the Water Resources Capital Project Fund (4003) from the COS Optimization Construction FY17 Project (15783) is hereby rescinded.

BE IT FUTHER RESOVED that there is hereby approved from the unappropriated balance of the Water Resources Capital Project Fund (4003), resulting from the above rescission, the following supplemental appropriation for Fiscal Year 2017:

# Water Resources Capital Project Fund (4003)

WRF NW Construction Manager FY17 Project (Oracle No. 15960) \$1,000,000

BE IT FUTHER RESOVED that there is hereby approved from the unappropriated balance of the Water Resources Capital Project Fund (4003) the following supplemental appropriation for Fiscal Year 2017:

# Water Resources Capital Project Fund (4003)

WRF NW Construction Manager FY17 Project (Oracle No. 15960)

\$244,740

This resolution shall become effective immediately upon its adoption.

APPROVALS:

City Attorney (designee)

Administration

for Claude Tankersley

Budget

00324414



April 28, 2017

Mr. Brejesh Prayman Mr. Mike Ryle City of St. Petersburg MCS, 6<sup>th</sup> Floor One 4<sup>th</sup> St. N St. Petersburg, FL 33701

Re: Construction Manager - City of St. Petersburg NWWRF Wet Weather Capacity Upgrades
Partial Control Estimate #1 for Project 17053-111: NWWRF Reclaimed Water & Injection
Wells Improvements

Sub-Project #1 Effluent Disposal Pumps: Diesel Driven Effluent Disposal Pump

Procurement Only

Sub-Project #2 Well Acidization: Acidization of IW-1 and IW-2

Dear Mr. Prayman & Mr. Ryle,

PCL Construction, Inc. has prepared a Partial Control Estimate #1 for Project 17053-111 Reclaimed Water and Injection Wells Improvement, which is designed to provide additional effluent disposal capacity and, in conjunction with Project 17052-111 NWWRF Effluent Filtration Improvements, will allow for improved filtration treatment capacity along with the additional effluent disposal capacity at the City of St. Petersburg's NWWRF.

Based on the 90% design information that is currently available, this Partial Control Estimate #1 is based on discussions and design data developed between CH2M, the City of St. Petersburg and PCL staff in order to determine an anticipated scope for the NWWRF wet weather capacity upgrades project. PCL has included all design, preliminary, and conceptual level information that was utilized to prepare this partial control estimate.

This Partial Control Estimate #1 is for the procurement of the long lead Effluent Disposal Pumps only and for Acidization of existing injection wells IW-1 and IW-2 at the NWWRF.

A future Control Estimate is anticipated to encompass the remaining scope of work that will be available at 100% design completion. This is anticipated to include but is not limited to: Piping, Mechanical, Concrete, Structural, Sitework, Electrical, Instrumentation & Controls, Paint and Coatings, Landscape, and any other items necessary to provide a functional and integrated Effluent Disposal Pump Station System.

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The details for the procurement of the effluent disposal pumps and existing injection well Acidization are defined below.

# Effluent Disposal Pumps

#### SCOPE:

The scope of this project is comprised of items identified and provided by the 90% design drawings developed by CH2M, PCL and City of St. Petersburg staff and will provide a Temporary Effluent Disposal Pump Station System to the existing plant infrastructure that will potentially help add disposal capacity during the upcoming wet weather season.

The estimated cost is for the long lead effluent disposal pumps procurement only at this time. Once design has progressed to 100% by CH2M, PCL will submit the estimate of the remaining costs to construct this sub-project package. This portion of the partial control estimate is funding to procure the long lead diesel driven effluent disposal pumps and accessories. Early procurement of this material will coincide with the anticipated Injection Well Subcontract completion and the installation of the piping, valves, equipment and accessories. This will result in shortening the overall schedule for this sub-project.

#### SCHEDULE:

Based on receiving a 100% design from CH2M by May 5th, and the anticipated completion of the Injection Well Subcontract being late August to mid-September 2017, the projected functional completion for this sub-project would be late August 2017.

### Sub-project Timeframe:

Preliminary Shop Drawings April 21st, 2017 Final Supplier Pricing April 28th, 2017 May 5th, 2017 May 18th, 2017 Final CH2M Design City Council Approval PCL PO Issued to City for ODP May 19th, 2017 Final Shop Drawings May 25th, 2017 Engineer Approval June 1st, 2017 Fabrication and Delivery (8-9 weeks) August 1st, 2017 Installation (2-4 weeks) August 30th, 2017 Substantial Completion to be at a later date TBD

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## Injection Well Acidization

#### SCOPE:

The scope of this project is to acidize the existing injection wells to maximize the capacity of available effluent disposal of the system. The estimated pricing includes mobilization, site and safety preparation at each injection well site, temporary site fencing and site safety control at each injection well location, Acidization emplacement of approximately 25,000 gallons of acid at each injection well, cleanup and restoration at each injection well location, flushing of the wells, and returning the wells into service.

#### SCHEDULE:

Based on receiving a city council approval on May 18th, the anticipated completion of the Injection Well Acidization is June 16th, 2017.

### Sub-project Timeframe:

City Council Approval		May 18th, 2017
Issue Field Work Order		May 22 <sup>nd</sup> , 2017
Mobilization	1.1	May 24th, 2017
Commence Acidization of IW-1	w. 1	May 29th, 2017
Commence Acidization of IW-2	1 1	June 7th, 2017
Anticipated Completion		June 16th, 2017
Substantial Completion to be at a	later date	TBD

#### SUMMARY OF PARTIAL CONTROL ESTIMATE #1 COSTS:

Sub-Project #1 Effluent Disposal Pumps: NWWRF Reclaimed Water & Injection Wells Improvements - Diesel Driven Effluent Disposal Pump Procurement Only

Price of Work	\$ 740,175
Contingency	\$ 37,009
Construction Manager Fee (6%)	\$ 46,631
Total for Sub-Project #1	\$ 823,815

Sub-Project #2 Well Acidization: NWWRF Reclaimed Water & Injection Wells Improvements - Acidization of IW-1 and IW-2

Price of Work			-12	\$ 274,809
Contingency	12	000		\$ 0
Construction Man	ager Fee	(6%)	- 6	\$ 16,489
Total for Sub-Proj	ect #2			\$ 291,298

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Total Partial Control Estimate #1 for Project No. 17053-111:

Andrew France

8 1.115.113

This Partial Control Estimate is based upon the attached clarifications and assumptions document, attached billable rate matrix, attached drawings and/or sketches provided by the applicable engineer, and preliminary field investigations conducted by PCL personnel.

If you have any questions regarding this Partial Control Estimate or need additional information, please feel free to contact me at (727) 224-1933.

Respectfully,

Richard Hewitt

Area Manager - Water Infrastructure Group

Cc:

Tom O'Donnell Mauricio Ramos Craig Yakubow Shawn Britton Andrew Franosz

Attachments:

**Budget Estimate** 

Clarifications and Assumptions Document

Billable Rate Matrix

Drawings and Specification used for Pricing

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# CITY OF ST PETERSBURG NWWRF CM WET WEATHER CAPACITY IMPROVEMENTS PROJECT

# Clarifications and Assumptions:

The following clarifications and assumptions are based on information currently available from the City of St Petersburg and their representative consultants. These clarifications and assumptions are applicable to the provided Partial Control Estimate #1 and for the NWWRF Wet Weather Capacity Improvement Projects (17053-111 Reclaimed Water & Injection Wells Improvements):

- The price assumes that construction and testing water, and electrical consumption during construction, startup and testing through commissioning is assumed to be available for PCL's use at no cost. The price excludes all costs for initial fill of chemicals, fuel, and expendables for startup, testing and commissioning.
- 2. PCL is not responsible for any Geotechnical Subsurface reports or studies, none have been provided by the City or its Consultants at this time. With no geotechnical information having been provided at this time, it is assumed that the native materials will be suitable for pipe bedding and backfill without processing. It is also assumed that the native material is suitable for all structural backfill.
- Any costs associated with unidentified subsurface conditions encountered during the course of the construction will not be the liability of PCL and will be reflected in future Control Estimates.
- 4. Pipe pricing is based on discussions and preliminary drawings provided by the city and its associated consultants. It is understood that the piping configuration may change and this will reflect in future Control Estimates.
- Any additional changes in the scope of work that may occur from the current 90% design progressing to final 100% completion will be reflected in future Control Estimates
- 6. PCL will provide the City of St Petersburg a copy of our general Site Safety Program.
- 7. Both parties shall agree to comply with the mutual parties safety programs.
- 8. PCL will comply with all site security requirements that are in place.
- 9. PCL will not be responsible for EPA Storm Water maintenance.
- 10. It is assumed that site dewatering can be discharged to the existing onsite storm water management structure.
- 11. The price includes completion of application for all applicable permits with the exception of the Storm Water Pollution permit, NPDES, and Wastewater Discharge permit. All actual permit fees or required inspections will be billed.

- 12. PCL will only be responsible for site clean-up and restoration in the immediate work areas and storage areas that will be used for the completion of the scope of work described.
- 13. This control estimate does not include any budgetary pricing for hazardous materials. Any hazardous materials encountered at the site of the Projects will be governed by section 10.3 of the A201 – 2007 AIA Contract Document.
- 14. It is assumed that plant access roads can be shut down for installation of construction work with reasonable notice to the owner.
- 15. PCL assumes that the shutdown of the existing filter #5 is acceptable for construction of the effluent filter connection structure with reasonable notice to the owner.
- 16. PCL assumes that the shutdown and bypass of the existing fine screening facility is acceptable for construction of the influent filter connection with reasonable notice to the owner.
- 17. Any potential contractors that are currently onsite or that will be onsite, are to be instructed by the city to not store any and/or move all material, equipment and temporary facilities from the areas of work required for the Wet Weather Capacity Improvements Projects.
- 18. If the City or any of its subcontractors plan shutdowns and/or closures they will notify PCL prior to that scope of work commencing.
- 19. The following scope of work and any associated management costs are not included in this Control Estimate:
  - Piping Supply and Installation
  - Mechanical Work
  - Concrete and Structural Work
  - Equipment Installation
  - Electrical work
  - Instrumentation and Controls
  - . Start-up and Commissioning
  - Service water
  - Paint and Coatings
  - Landscaping

This scope of work will be provided in future Control Estimates.

ATTACHED IS THE CURRENT DRAFT OF THE SECOND AMENDMENT TO THE CONSTRUCTION MANAGER CONTRACT BETWEEN THE CITY AND PCL CONSTRUCTION, INC. DATED APRIL 17, 2017, AS AMENDED, THAT WILL BE DISCUSSED AT THE JUNE 1, 2017, CITY COUNCIL MEETING.

# SECOND AMENDMENT

THIS SECOND AMENDMENT ("Second Amendment") is made and entered into on this day of May, 2017 by and between the City of St. Petersburg, Florida ("City" or "Owner") and PCL Construction Inc. ("Construction Manager").

WHEREAS, the Owner and Construction Manager executed a Construction Manager Contract on April 17, 2017, for Construction Manager to provide preconstruction and construction services for the Projects described in the Contract to increase treatment, disposal and capacity to handle peak wastewater flows during wet weather events at the Northwest Water Reclamation Facility; and

WHEREAS, following execution of the Contract, the Owner authorized Construction Manager to (i) provide the preconstruction services in an amount not to exceed \$407,175 and (ii) commence work on Project No. 17052-111 NWWRF Effluent Filtration Improvements pursuant to a Partial Control Estimate; and

WHEREAS, on May \_\_\_, 2017, the City and Construction Manager executed the First Amendment to the Construction Manager Contract; and

WHEREAS, the Construction Manager Contract dated April 17, 2017, as amended by the First Amendment (and all the contract documents) is referred to herein as the "Contract"; and

WHEREAS, in accordance with the requirement set forth in the Contract, Construction Manager has submitted Partial Control Estimate # 1 for Construction Manager's extended general conditions for a four month duration (May 1 through August 31) and the not to exceed amount for the premiums and costs for bond and insurance required by the Contract; and

WHEREAS, the City and Construction Manager desires to execute the Second Amendment to the Contract with Construction Manager to incorporate the above referenced Partial Control Estimate into the Contract and modify other necessary sections of the Contract.

NOW, THEREFORE, in consideration of the foregoing recitals (which are an integral part of this Second Amendment and are incorporated herein by reference) and the promises and covenants contained herein and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Owner and Construction Manager hereby agree as follows:

- 1. All capitalized terms in this Second Amendment shall have the same meaning specified in the Contract unless otherwise set forth herein.
- 2. §1.1 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as

follows:

#### § 1.1 The Contract and Contract Documents

This Agreement (AIA134-2009) and the Contract Documents form the Contract between the Owner and the Construction Manager. The Contract Documents consist of the Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, the Request for Qualifications, Construction Manager's Statement of Qualifications, other documents listed or referenced in this Agreement or the Contract Documents, and Modifications issued after execution of this Contract. Upon the Owner's approval of the Control Estimate(s) for each Project, the Contract Documents will also include the documents described in Sections 2.2.4, 2.2.5, 2.2.6, 2.2.7 and 2.2.8 and revisions prepared by the Engineers and furnished by the Owner as described in Section 2.2.10. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral.

 §2.2.8 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as follows:

A partial Control Estimate for Construction Manager's extended general conditions for a duration of four months (May 1, 2017 through August 31, 2017) is set forth in Exhibit H. Since the Projects required to be constructed by the Construction Manager pursuant to the Contract shall exceed four months, this partial Control Estimate may be amended, supplemented or modified provided that such amendment, supplement or modification is approved by City Council and further provided that the Owner and the Construction Manager execute the necessary documents to incorporate such amendment, supplement or modification into the Contract.

4. §2.2.9 of the Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, is hereby amended to read as follows:

# § 2.2.9 Approval of Control Estimate(s) for a Project

The Owner shall notify the Construction Manager in writing when the Owner has accepted a proposed Control Estimate(s) for a Project and once accepted the Owner shall prepare the necessary documents amending the Contract. Following approval by the St. Petersburg City Council, the Owner and Construction Manager shall execute the documents prepared by the City to amend the Contract, which documents shall incorporate the agreed upon Control Estimate(s) for a Project with the information and assumptions upon which it is based and other terms and conditions agreed upon by the parties. Any Control Estimate(s) for a Project may be amended or modified provided

that such amendment or modification is approved by City Council and further provided that the City and the Construction Manager execute the necessary documents to incorporate such amendment or modification to a Control Estimate(s) for a Project. The Construction Manager shall obtain written approval from the Owner in accordance with the Contract terms and conditions prior to using any contingency funds set forth in a Control Estimate(s). Upon Final Completion of a Project, any contingency funds set forth in a Control Estimate(s) which have not been expended shall be disbursed back to the Owner.

- 5. §2.2.10 is added to Standard Form of Agreement between Owner and Construction Manager (e.g., Document A134-2009), which is part of Contract, to read as follows:
  - § 2.2.10 Drawings and Specifications/Clarifications The Owner shall authorize the applicable Engineer to incorporate the agreed-upon assumptions and clarifications contained in the Control Estimate(s) for a Project. The Owner shall promptly furnish those revised Drawings and Specifications to the Construction Manager as they are revised. The Construction Manager shall promptly notify the Owner and applicable Engineer of any inconsistencies between Control Estimate(s) for a Project and the revised Drawings and Specifications.
- 6. Exhibit H is attached hereto and made a part of the Contract by reference.
- 7. Any and all provisions of the Contract not specifically amended by this Second Amendment shall remain in full force and effect.

IN WITNESS WHEREOF, the City and Construction Manager have caused this Second Amendment to be executed by their duly authorized representatives on the date first above written.

CITY OF ST. PETERSBURG, FLORIDA	ATTEST	
Ву:		e : 8 °
Brejesh Prayman, P.E.	Chandrahasa S. Sri	nivasa, City Clerk
Director, Engineering and Capital Improvements	(SEAL)	
*		* *
Approved as to Form and Content:		
City Attorney (Designee)		97 6 (2)

WITNESSES
Ву:
Print:
By: Print:

# **EXHIBIT H**



April 28, 2017

Mr. Brejesh Prayman Mr. Mike Ryle City of St. Petersburg MCS, 6<sup>th</sup> Floor One 4<sup>th</sup> St. N St. Petersburg, FL 33701

Re: Construction Manager – City of St. Petersburg NWWRF Wet Weather Capacity Upgrades
Project No. 17063-111 NWWRF Construction Manager – Partial Control Estimate #1 for
General Conditions Estimated Budget and Fees for Four(4) Months

Dear Mr. Prayman & Mr. Ryle,

Per your request, PCL Construction, Inc., as the City's Construction Manager for the referenced project, is providing you with this Partial Control Estimate #1 for the general conditions budget to investigate, identify, provide constructability reviews, manage, construct, and deliver projects as they become defined for the City's Wet Weather Capacity Upgrades project needs.

Please find below the final component of PCL's estimated general conditions budget for your review:

#### 1. Construction Manager - General Conditions Budget Pricing

\$1,324,752

The Estimated General Conditions budget provided reflects a 4 month duration from May 1st, 2017 thru August 31, 2017 and as discussed a projected Project value of \$20 million dollars. This budgeted general conditions item includes the budget pricing associated with the overall management of the construction phase services. Estimated General Conditions Pricing for a Construction Manager are typically based on the overall anticipated price of work and the overall anticipated timeframe planned to complete the work. Budgeted pricing includes but is not limited to Management staff time (e.g. Construction Managers, Project Managers, Superintendents, Engineers, Estimators, BIM Modelers, HSE Managers, Administrative Assistants and any others that are not directly charged to the price of work), construction trailers, site facilities, travel and subsistence expenses, safety and quality oversight, parking, signage, lighting and any other miscellaneous items that are not included in the direct price of work.

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### 2. Construction Manager Fee

6% on all Pricing

The Construction Manager's Fee is the mark-up added to all construction pricing and general conditions incurred on the project. This fee encompasses PCL's internal overhead and profit on this project.

Total Estimated General Conditions: \$1,249,766
Construction Manager Fee: \$ 74,986
Total General Conditions Budget Pricing: \$1,324,752

If you have any questions regarding this Partial Control Estimate #1 - General Conditions Budget Estimate for Four (4) Months or need additional information, please feel free to contact me at (727) 224-1933.

Respectfully,

Richard Hewitt

Area Manager - Water Infrastructure Group

acd on behal

Cc:

Tom O'Donnell Mauricio Ramos Craig Yakubow Shawn Britton Andrew Franosz

#### Attachments:

General Conditions Estimate Clarifications and Assumptions Document Billable Rate Matrix

PCL CONSTRUCTION, INC.
3810 Northdale Blvd. Suite 160 Tampa, FL 33624
813.425.1440 Phone ~813.961.1575 Fax
An Equal Opportunity Employer
Minorities and Women Encouraged

# CITY OF ST PETERSBURG NWWRF CM WET WEATHER CAPACITY IMPROVEMENTS PROJECT

# Clarifications and Assumptions:

The following clarifications and assumptions are based on information currently available from the City of St Petersburg and their representative consultants. These clarifications and assumptions are applicable to the provided Partial Control Estimate #1 - General Conditions Estimated Budget and Fees for Four (4) Months for the NWWRF Wet Weather Capacity Improvement Projects (17063-111 NWWRF Construction Manager):

- The price assumes that construction and testing water, and electrical consumption during construction, startup and testing through commissioning is assumed to be available for PCL's use at no cost. The price excludes all costs for initial fill of chemicals, fuel, and expendables for startup, testing and commissioning.
- 2. PCL is not responsible for any Geotechnical Subsurface reports or studies, none have been provided by the City or its Consultants at this time. With no geotechnical information having been provided at this time, it is assumed that the native materials will be suitable for pipe bedding and backfill without processing. It is also assumed that the native material is suitable for all structural backfill.
- Any costs associated with unidentified subsurface conditions encountered during the course of the construction will not be the liability of PCL and will be reflected in future Control Estimates.
- The price excludes all pricing associated with special studies including but not limited to mitigating Archeological Areas, Historical Architecture, Sensitive Flora/Fauna, and Traffic.
- 5. Pricing is based on discussions and preliminary drawings provided by the City and its associated consultants. It is understood that the pricing is based on a four (4) month duration as discussed with the City. Any future change in duration need or requirement by the City will reflect in future Control Estimates.
- Any additional changes in the scope of work that may occur from the current 90% design progressing to final 100% completion will be reflected in future Control Estimates
- 7. PCL will provide the City of St Petersburg a copy of our general Site Safety Program.
- 8. Both parties shall agree to comply with the mutual parties safety programs.
- PCL will comply with all site security requirements that are in place.
- PCL will not be responsible for EPA Storm Water maintenance.
- 11. It is assumed that site dewatering can be discharged to the existing onsite storm water management structure.

- 12. The price includes completion of application for all applicable permits with the exception of the Storm Water Pollution permit, NPDES, and Wastewater Discharge permit. All actual permit fees or required inspections will be billed.
- 13. PCL will only be responsible for site clean-up and restoration in the immediate work areas and storage areas that will be used for the completion of the scope of work described.
- 14. This control estimate does not include any budgetary pricing for hazardous materials. Any hazardous materials encountered at the site of the Projects will be governed by section 10.3 of the A201 2007 AIA Contract Document.
- 15. It is assumed that plant access roads can be shut down for installation of construction work with reasonable notice to the owner.
- 16. PCL assumes that the shutdown of the existing filter #5 is acceptable for construction of the effluent filter connection structure with reasonable notice to the owner.
- 17. PCL assumes that the shutdown and bypass of the existing fine screening facility is acceptable for construction of the influent filter connection with reasonable notice to the owner.
- 18. Any potential contractors that are currently onsite or that will be onsite, are to be instructed by the city to not store any and/or move all material, equipment and temporary facilities from the areas of work required for the Wet Weather Capacity Improvements Projects.
- 19. If the City or any of its subcontractors plan shutdowns and/or closures they will notify PCL prior to that scope of work commencing.

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7		Form Material/Panels 10.0	· EA	- 0.00	0	500.00	5,000	0.00	0	0,00	0	500.00	5
8		Unload at Job Site 200.0	HR	39.84	7,969	0.00	0	0.00	0	0.00	0	39.84	7
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35		Cleanup & Restore Site . 100.00	%	16,500	· 通道并为2个	seda in ir	2001.01	4 194	1.00		5 90 9A	Mar margh	<b>新世界世</b>
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57	1	Sewage Billing 4.0		0.00	0	300.00	1,200	0.00		0.00		300.00	1,2
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61.		3 Portable Toilets 4.0		0,00	0	125.00	1,500	0.00		0.00	n	375.00	1,5
62		4 Garbage Pickup 4.0		0.00	0	800.00	12,800	0.00	0	0.00	n	3,200.00	12,8
63	1-1-12-1-11	Site Services 100.00		0.00	0	143.00	14,300		0	0.00	- 0	143.00	14,3
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66		Cars & Pickups 100.00		1000	15.15	North Land	4.1					de la Sivoga	AND THE REAL PROPERTY.
67		Trc Pickup 4x2 Ex. Cab 8.0		0.00	0	0.00	ō	-0.00	0	14.17	19,607	2,450.82	19,60
68		CM / PM Vehicles 8.0		0.00	0	600.00	4,800	0.00	0	0.00	10,00,	600.00	4,80
69	18., 14.0	Cars & Pickups 100.00		0.00	0	48.00	4,800	0.00	0	196.07	19,607	244.07	24,4
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74				13515712	WE THE	1. T. T. 1700	177,722	V 2 - 1	47-57	75% N.S. 5	7.12.79	A 44 (1956)	
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76		Trailer 4.0	MO	0.00	· v. · · · · · · · · · · · · · · · · · ·	850.00	3,400	0.00	0	0.00	0	850.00	3,4
77.		Forklift RT 9000# -O 4.0	MO	0.00	. 0	0,00	0	0.00	0	64.50	44,633	11/158.21	44,6
78		Tractors & Trailers 100.00	%	0.00	0	34.00	3,400	1000	0	446.33	44,633	480.33	48,0
79 /-	237.75			Chie Wage	M4.5.77	\$50° ( 200)	14. 15. 24.	1.12	ter de de	1, attending	7 1 15 15	Lite to March	PER SE
80	n The	Project Dust Control (Water Trucks) 1.00	LS	41V-11	J. 151	5. 95.50	N 1975	1780	દુર્વ હતા પ	4 - 100	107.0	Sec. 10. 37	2.95465
81		Trc Water-SA 2000 Gal -O 4.0	МО	0.00	O	0.00	. 0	0.00	. 0	46.65	32,281	8,070,21	32,2
82		Project Dust Control (Water Trucks) 1.00	LS	0.00	0	5.85175	. 0	7.5 74	0	and the	32,281	1 1 500 6	32,2
83	71 71 34			Supply 4-18	System 2.	Service Service	+ 1 1 2 age I + 1 2	4.735 Ex			1. 11(0)	1. 9 L V. C.	2015年6日
84		EQUIPMENT 100.00	%	0.00	0	34.00	3,400	Sec. 2	. 0	769.14	76,914	803.14	80,3
85				· 小豆菜	HARLEY	<b>张初期</b> 号。	Armatik.	300 ST 117	A Calman	1.	124 37	<b>4.</b> 特殊情况	
86		Survey STS 100.00	%	4. 海水河。	E William .		Section And	Sec. 32.38	est in printe	4-1,551,25	Myster ways	High Mon	AND SEE
87		Survey Equipment 4.0	МО	0.00	0	625.00	2,500	0.00	0	0.00	. 0	625.00	2,50
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- 88		Survey Supplies 4.0	MO	0.00		150.00	600	0.00	0	0.00	. 0	150.00	60

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91	P 11.	Office STS 100.00			10年2日上海	Jun 1987	32,2250	Consult.	7 m 22539	y specific	The Artifician	40. 10. 10. 10.	<b>多的人的</b>
92		Computer Equipment per Ea 4.0		0.00	0	250.00	6,000	0.00	. 0	0.00	. 0	1,500.00	6,00
93		T1 Connection and Virtual Private Network 4.0		0.00	0	950.00	3,800	0.00	O	0.00	**: - 0	950.00	3,80
94		Computer Software	LS	0.00	0	<b>新华产品</b>	500	0.00	0	- ( 0.00	<i>·</i> · · · · · 0	脉。被原则	50
95		Office Supplies 4.0		0.00	0	650.00	2,600	0.00	0	0.00	. 0	650.00	2,60
96		Post & Courier 4.0		0.00	. 0	200.00	800	0.00	. 0	0.00	. 0	200.00	80
97		Printer / Photocopier 4.0		0.00	0	600.00	2,400	0.00	4-1-50	0.00	. 0	600.00	2,40
98		Server 4.0		0.00		400.00	1,600	0.00	. 0	0.00	0	400.00	1,60
99	a company	Office STS 100.00	%%	2 0.00	- 0	177.00	17,700	7. PYV	0	1.75 1 142		177.00	17,70
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101		First Ald & Safety STS 100.00		105 A.A.	the of E.	17 May 19 W	100 1100	्रीमा, स्टाउटी है		4. 4	ा. ६०० छ	Thomps	制造Mahri
102		Medical/Drug Testing 40.0		0.00	. 0	75.00	3,000	0.00	. 0	0.00	0	75.00	3,00
103		Training & Orientation 40.0	EA	0.00	. 0	35.00	1,400	0.00	0	0.00	. 0	35.00	1,40
104	100	F.A. & Safety Supplies	MH	0.00	. 0	0.12000	1,092	0.00000	0	0.00000	0	0.12000	1,09
105		Fire Protection	MH	0.00	0	0.07000	637	0.00000	. 0	0.00000	0	0.07000	63
106		Water Coolers 8.0	EA	0.00	. 0	50.00	400	0.00	. 0	0.00	. 0	50.00	40
107		Drinking Water & Ice 4.0	MO	0.00	. 0	100.00	400	0.00	0	0.00	. 0	100.00	40
108					The man to	arieli aribaej ari Lavysari re	Personal Contract	100 15			Fr 17/3		fillers fam.
109		Air Monitors 4.0	MO	0.00	-0	0.00	. 0	0.00	. 0	0.92	635	158.67	63
110		Rescue Tripod w/yo yo 4.0	MO	0.00	0	0.00	.0	0.00	0	0.92	635	158.67	63
111		Ya Yo Winch . 4.0	MO	0.00	0	0.00	. 0	0,00	0	0.39	268	66.91	26
1112	1977	First Aid & Safety STS 100.00	%	0.00	0	69.30	6,930	3 7-12	## 15 No. 0	15.37	1,537	84.66	8,46
113				- Cont. 4	Francis i grant	PLOSSE CARR	Bar Cy		\$\$7 x 7 y 3	47,4 7.18	4.10	1965年1964年	ANTERNOOPS
114	100	SMALL Tools-Expendables 100.00	%	1 Sun			1. Sec. 1.	No. 10,43	4.3	****		14 - 19 - 19	15.000 SHE
115		Small Tool Assess	MH	0.00	0	0.70000	6,372	0.00000	0	0.00000	Ž., 0	0.70000	6,37
116		Expendables Assess	МН	0.00	0	0.70000	6,372	0.00000	. 0	0.00000	. 0	0.70000	6,37
117.		SMALL Tools-Expendables 100,00	%	0.00	0	127.44	12,744		. 0	10.40%	( 0	127.44	12.74
118	Fr 1/1/2			-1 pl/1945	, 0. Nept		1. 164	The Service	S	range and	7.15	erio (Segle	and star
119	esta in the	Public Relations 100.00	%	"大麻"的"满	white the	Report 1	State of the state	De Marie St.	9.1872/9/19	1.149 T. a	7 4. O. H.	Sec. 27. 25	A CONTRACT
120		Project Signs 2.0	EA	0.00	.0	1,000.00	2,000	0.00	0	0.00	0	1,000.00	2.00
121		Photographs 4.0	МО	0.00	0	300:00	1,200	0.00	· /o	0.00	0	300.00	1.20
122	14-1	Public Relations 100.00	%	0.00	1	32.00	3,200	14 15 11 11	. 0	552. July	0	32:00	3,20
123	11.00			八色 使物源	- Disservit	harry despe	and the state of	ar Condition	A. C. A.L.	. S. A. A.	er gergles	-5 Daniel	NINGE OF
124		Repair Labor 100.00	%	<b>电影性影響</b>	green, the	Marking of S		1500 200		2 5 100	4	1. CAN THE LA	Selection to the contract of t
125		Mechanic Allowance	LS	0.00	0	132 / W.	20,000	0.00	0	0.00	0	77776	20.00
126		Repair Labor 100.00	%	0.00	0	200.00	20,000	· 1/14 " " " " 4.	0	7. 2	- 0	200.00	20,000
127			TOTAL TOTAL	10.00	1 4 10 11 13	aright to W	15 eV. 15	Norther 1	4 14 61	* ja * . *		g : 20 mg/2	27.520.33
128	- 14	Repair-Service Operate 100.00	%	This of the	Carrier Section	No. 2. 17/10	(2):11:34	1 1 - 1 - 1 - 1	4-1-1-14	Aug., 3 Com	14/08087	TO PERSON	STATE A STATE
129		Shop Tools/Equipt 1.0	LS	0.00	0	State of	5,000	0.00	n	0.00	n	178-5	5,000
130		Shop Supplies 1.0	LS	0.00	0	KAPATI.	1,500	0.00		0.00		estate of selection	1,50
131		Welding Supplies 1.0	LS	0.00	0	200 - 200	1,000	0.00	- 100n	0.00	7.574.6	12 1 12 1 14 1 14 1 14 1 14 1 14 1 14 1	1,00
132	1. 1. 1.	Repair-Service Operate 100.00	%	0:00	0	75.00	7,500	W. J. V. 44	, n	C.00	n	75.00	7,50
133				+ +. 4 1 1 1 N	Sind at make	at it follows at the	+ - ( * 1 to 1 to 1		2 V4- 1	1. 15 . 181		70.00	7,000
134	11111	01450 QUALITY CONTROL 1.00	LS	df 139.55	194, 199,	20/20 C. N	ALL COLOR		40,000	1	5 25 4 52	per a gather of	antoneerseigt. Convertie
_		1,00		1 500	7 2 4 V C . 4	200 N. C. S. L.	Contract to the second	- Time 1971	War	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44.14.14	4 - 4 - 4 - 4 A.C.	<b>在中华中的</b>

		50000000000000000000000000000000000000			Lal	oor 🦠 🤲	Materi	al-Total	Subt	rade	Equipme	nt Totals		23239
Line	Num ×	Description	Quantity	UoMs	RateC	Total	\$ / ItemUnit	-Total	\$ / ItemUnit	Total	Hr Rate	Total	Unit	Total Price
. 136		Compaction Testing	60.0	EA ··	- 0.00		0.00	0	400.00	24.000	0.00	0	400.00	24,000
137		01450 QUALITY CONTROL	1.00	LS	0.00	12 - 1 - C	2.X 3.75.0	0		40,000	1 15 16	0	400,00	40,000
138	NS1-11-1				Start A	12 10 20 20 1	7 - 1-2	Company of		The Sant Sant	3. 4 . 4:	Mill Lake	· 经产品 为企业	Silter of
139	1.1 46	TEMPORARY EROSION AND SEDIMENT CONTROL	1.00	LS	3,400 1	184 233 11	V - S- 4- 45	7. 5	181 Jr. Spire	11.18 17. 17.885p	Ten state to		9 1/ 1, 2/5 d	Child intent
140		Silt Fence	2,000.0	LF	0.00		0.00	7 0	2.50	5,000	0.00	0	2.50	5,000
141		Silt Fence Replace	1,000.0	LF	0.00	- Vo	0.00	0	2.50	2,500	0.00	0	2.50	2,500
- 142	13 13	TEMPORARY EROSION AND SEDIMENT CONTROL	1.00	LS	0.00		0.00	- 12 10	2.00	7,500	/	n	2.50	7,50
143	17.11				16/19/11	1 2 . 195	34 EU 3734	1,4141 2	a trade state	1,000	1 1 2 2			2 5 3 4
144		01050 Survey and Geotech Info	1.00	LS	12. 100.00	43 T. A. 12	Seletion	A.*X	" area who	College of	16.27	gar Sorres	al. Carrier	STORT STATE
145		Surveying	1.0	LS	0.00	0	0.00		100	20,000	0.00		7,71,10	20,00
146		01050 Survey and Geotech Info	1.00		0.00	3.000.00	0.00	0	321 3	20,000	0.00	0		20,00
147	1. 74.				100 0 110 0 1	STYR LA	11-91	7.1	* * * * * 1.	20,000			de l'are	26 9024 320
148		Unforseen Underground Conditions - Potholing	1.00	LS	eta Men	San Aspent		Pr 1975	· 5. 7.	Catharan			20 1 ( to 0 of 2)	SHANK OF THE
149	1, 3.15.	Pot Hole Existing Utilities	1.00	LS	F. S. C. A.	at the state of the state of	18.5% 5	1 4 1 3	Today exc.	ا ولاه والواد الم		1		The state
150		JD 310EG BH/L	160.0	HR	61.89	9,902	0.00	0	0.00	0	42.42	6,787	104.31	16.68
151		Cmpt Walker Roller MRH-800 DS DD	160.0	HR	0.00	0,002	0.00	0	0.00	0	50.33	8,052	50.33	8.05
152	2	Yard Pipe Crew	160.0	HR	57.38	18,362	0.00	0	0.00	0	0.00	0,002	114.76	18,36
153		Misc. STS	1.0	LS	0.00	10,002		5,000	0.00	0	0.00		114.76	5,00
154	1777	(pumpsahose if dewatering needed)			0,00	T. (1)	1. 0. 1. 1	0,000	0.00	N / W	0.00	1 1	77.27.27	0,00
155		Road Base Material	1.0	LS	0.00	0	1.50	4,000	0.00		0.00			45.00
156	40,875	(temp. base for asphalt removed)	1.01		0.00	4 11 4	Control of the	4,000	0.00		0.00		4 1 2 1 2 2	4,00
157.	4:1:1	Pot Hole Existing Utilities	1.00	LS	58.88	28.264	8.5-3-7	9,000	2 - 2 - 4 - 3	0		14.839	5 - 15 A 26 A 1	FO 40
158	***	The state of the s	1.00		1	20,204	29 233 24	3,000		, , , , , , ,		14,039	Section Section	52,103
159		Asphalt Pavement Removai	1.00	LS			F	1. 1. 1. 1.		1, 1,		111164	F 25 C 1 C 14	2018 0 T S
160	1.15	Sawcut and remove existing asphlat at polho					21.2						74	That differ on
161		JD 310EG BH/L	32.0	HR	61.89	1,980	0.00	· · · · · · · · · · · · · · · · · · ·	0.00		42.42	4.057	404.64	
162	2	Skilled Labor	32.0	HR	57,38	3,672	-0.00	0	0.00	0	0.00	1,357	104.31	3,338
163		Misc. STS	1.0	LS	0.00	3,072	-0.00	2,000	0.00	0	0.00		114.76	3,672
164	7 to 14 d	(saw blades etc.)	1.01		result of Elma	and the second	7. 17. 11	2,000	0.00	U	0.00	· U	2015	2,000
165	-	Asphalt disposal	1.0	LS	0.00	0	9	500	0.00	- 4	0.00		The Advantage of the	
166	10. 1. Politica	Asphait Pavement Removal	1.00	LS	58.88	5,653	-	2,500	0.00	0	0.00	4.057	- 12	500
167	- 3A -	Unforseen Underground Conditions - Potholing	1.00	LS	58.88	33,917	14.00	11,500	v. 12	0		1,357	7 7 70	9,510
168			. ; 1.00		50.00	00,017	4 (0 CO)	11,000		. M. A		10,197	to a second	61,613
169	4.7	Dewatering Test Sampling	1.00	LS	7 500 1 1	of the grant	5 5 5	- Y (*)			er er er			Property and the
170		Dewatering Permits	1.0	LS	0.00	0		500	0.00	0	0.00	77.74	STATE OF STA	CONTRACTOR OF
171		Dewatering Test Sampling & NOI Permit Allowance	1.0	LS	0.00	0	0.00	. 500	0.00	0 000		0	Addition to	500
172			1.00	LS V	0.00		0.00	500		9,000	0.00	0	135-6-31	9,000
173:		Dewatering Test Sampling	1.00	LO	0.00	U	1 44 1 14 4 3	500	14.55	9,000	72. (***)	D	4, 1,1127	9,500
174	4 1 1 1	Division i	1.00	LS	44.45	88,712	De Lan	244.072		70 500		2440.444		25 15 mg - 15 mg
CHICANOSIS	GEORGE AND COME		7.00	AND VIDE TALLS	44.45	00,712	Ekser e Jacob Actoria	-214.873	Selection of the select	76,500	er en lever .	118,114	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTROL CONTROL
176		V7 PROJECT STAFF	100.00	urace and the			3.06.9745			14 27 5 214				
177		VI PROJECT STAFF	100.00	%	F 1935						2 14 3 4		1125	BEFFE L
-			400 5-1		17 .2	20 17							* T	<b>有点是评</b> 证
178		Management	100.00	%	457	12.75	30.00		1 1 1 1 1 1 1	44-6-1		300	1. 40.50	AN ALLEY
		Const Mgr.	2.0	MO	137.41	47,637	0.00	. 0	0.00	0	0.00	0	23,818.34	47,637
180		Project Manager	4.0	MO	124.69	86,452	0.00	. 0	0.00	. 0	0.00	0	21,612.93	86,452

498,200

	<b>是为是,但是是</b>			*Lat	or	Material	Total	Subtr	ade	Equipme	nt Totals	all for the	100	
Line	Num	Description Quantity	UoM									Unit	Total	
181	G-ST-HO-HI-0725	Sr Project Super. 4.0	MO	127.80	Total 88,608	\$.//temUnit	Total	\$ / ItemUnit	Total	Hr Rate	Total	Price	Price	
182		Sr Cost Estimator 3.0	MO	115.14	59,873	0.00		0.00	0	0.00	0	22,152.03	-	
183	- CARTONE	Management 100.00	WO %	125.40	282.569	. 0.00	0	0.00	0	0.00	0	19,957.58	59,873	-
184	15.574, 4.1.		1 150 10 15 5	E 30 120.40	202,009	195 COS. 199 13	ALCON, NO	A BOYELL	0	Parting to	71	2,825.69	282,569	4
185	4	Administration 100.00	% .	42 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Respublication		e builds	HE STATE OF	A Company of the Comp	racabere in ter	2, 74,40,43483 34,91,31,51,51	The Street Action	1202 11 12 15 15 15 15 15 15 15 15 15 15 15 15 15	4 %
186		Admin. Assistant 4.0	MO	48.20	33,418	0.00	0	0.00		20.00	W			- 27
187		Business Diversity Manager 1.0	MO	74.03	12,831	0.00	0	0.00	0	0.00		8,354.58	33,418	
188	O Brailey	Administration 100.00	%	53.36	46,249		0	0.00	0	0.00	303000000000	12,830.99 462.49	12,831	-
189	The Boy Sand Bridge		70	an that of all who	他都是自己的	Maria de la compania		the state of	U	and the second	11 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	462.49	46,249	
190		Engineering & Survey 100.00	%	11.07	Alterial	82	7 Bar	Server and Proceedings	general and the	Aspre, dise	A STATE OF A	The state of the s	SERVICE CONTRACTOR	
191		Proj Eng. 4.0	MO	102.64	71.161	0.00	7 2 460	0.00		0.00	+ (2) -12 -12	1,000	037458X33X	
192	44-5/19-6	Engineering & Survey 100,00	% %	102.64	71,161	0.00	0	0.00	0	0.00	0	17,790.24	71,161	
193	v. 0.139			10 102.04	- 1/1/10 T	Contractor of	U	ments of the state of	45.00 L	Section 1 (1)	the sections of	711.61	71,161	100
194	1. 19. 16.54	Supervision 100.00	%	[078925m2]	S-1914 Con	trac Pleasification	Prince Color	100 100 100 100 100 100 100 100 100 100	200 t. 19. 15. 1	Same Parks	enclosed at a	1300000 2000		1
195		Project Supt. 4.0	MO	114.56	79,429	0.00	0	0.00	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.00	2012 STEELS CO. 20	STATE OF THE STATE	SACTOR SAC	100
196		HSE Manager 4.0	MO	112.48	77,983	0.00	0	0.00	0	0.00	0	19,857.26	79,429	
197		Salaried Foreman 1.0	MO	97.76	16.944	0.00	0	0.00	0	0.00	0	19,495.83	77,983	-1
198	Section Section	Supervision 100.00	%	111.77	174,357	* 14-1-2-14-X	0	0.00	0	0.00	- Additional Inc	16,944.19 1,743.57	16,944 174,357	4
199	2.7			San Salar Par	William States	aliant in grants of	0.0 10.000	ta sa ta tanan ing	18 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	San San Jane	1 - 1 1 1 1 1 1	1,743.37	1/4,35/	1
200	·	BIM 100.00	%	3-5-5-3-8-6-1	A ARDER	AFTER ACTION	day test to	785 60 944 la	Service Constant	e describ	And market	Section and		M.
201		BIM Manager 2.0	MO	115.14	39,915	0.00	T (	0.00	0	0.00	-	19,957.58		
202	2	BIM Modeler 4.0	MO	83.16	115:315	0.00	n	0.00	0	0.00	ARREST TOO		39,915	200
203	the set pending a	BIM 100.00	%	89.56	155,230	Manufacture of	- 0	0.00	0	0.00	0	28,828.78	115,315 155,230	1.11
204	Graden			Finds Str. 3	38473840	There exert	100 300	and the second		Karaman da da	2000	1,002.00	105,200	
205	F 48 - 15-	V7 PROJECT STAFF 100.00	%	102.66	729,566	20.00	0			1 541 51	0	7.295.66	SCOSSIANOCATAL	729
				100 an as as		A (120 to 100 to 1	<b>国的社会和</b>	CHAMPARATOR	ORDER TO SERVICE		CONTRACTOR OF	17,250,00		12
207	1826	V8 EMPLOYEE EXPENSE 100.00	%	1	28.26.75				And the second					
208	Sand Freeze					46.7 St. 4	SANC NEEDS	+2 4 2 4 3 4	4 5: 57	Name of the second	A CHARLEST SERVE	11,400,000	· 1000年1月1日日本	
209		Misc Business travel expense 100,00	%	Section!	War i behini	23:50 SE4 1 6-	1 1923:44	1 A Sec 1 30 3	Second L	destruction	er seath card	CONTRACTOR A	engytes it.	4.0
210		Misc Business travel expense 4.0	MO	0.00	1000000	5,500.00	22,000	0.00	3 43 6	0.00		E 500 05		
211	grin gran	Misc Business travel expense 100.00	%	0.00	0	220.00	22,000	0.00 x	0	0.00	0	5,500.00 220.00	22,000	
212	At State		1	1.00 miles to 1	A LANGE STATE	MANAGE TO STATE TO	22,000	485 MAGO .	U].	Anthony Comme	10.741.070	- 220.00	22,000	1
213	THE LOCK	V8 EMPLOYEE EXPENSE 100.00	%	0.00	0	220.00	22,000	21.29.74	n n	4.500 00 00 4.500 00 00 00	SALE SALE	220.00	200 805 205	Lieskowski-s
	toma istems		REPORT OF THE PARTY	is and the state of the state o	ACTURATION NAMED OF	MARCHAE SERVICE	22,000	CONTRACTOR OF THE	U		The state of the s	220.00	PROFESSION SERVICES AND	22

**Total Estimated General Conditions** 

Construction Manager Fee (6%)

**Total General Conditions Budget Pricing** 

\$1,249,766

\$ 74,986

\$1,324,752