

EXHIBIT "B"

EXHIBIT B
Design Build Scope of Services

SCOPE OF SERVICES

The City utilizes gaseous chlorine and ammonia for chlorination disinfection which is constrained in its ability to automatically control the dosing and ratio of chlorine and ammonia application. The existing gas chlorination system is located in the structurally compromised North Chemical Building (NCB) and the ammonia feed system is located in the South Chemical Building (SCB). The City's overarching goal is to eliminate the continued use of chlorine gas and consolidate disinfection in the SCB to phase out continued operations that rely on the NCB. Other NCB systems that will be permanently consolidated elsewhere include the existing lime feed system (inoperable) and polymer feed system (already temporarily relocated) and existing electrical motor control equipment.

The noted improvements, together with other treatment process modifications were included in a Consent Order issued by the Palm Beach County (PBC) Department of Health (DOH) in June 2016. The City's goal is to utilize this contract as a mechanism for expediting the delivery of projects required to improve the performance and operational reliability of the Water Treatment Plant (WTP). The City intends to use the services of Design-Build entities to develop the detailed design requirements and implement the recommended improvements.

Addition of new chemical feed systems to enhance process performance and color removal achieved could include one or more of the following chemical feed systems:

1. Polyphosphate feed system to enhance control of treated water scale forming tendency;
2. Carbon dioxide feed system (alternative to polyphosphate) to allow greater range of softening flexibility for enhanced color removal while controlling treated water scale forming tendency;
3. Ferric sulfate feed system for enhanced color removal performance.

The intent of this Agreement is to promote expedited implementation of each awarded project. All applicable requirements of the Design-Build Entity's agreement with Palm Beach County shall be incorporated hereunder and made a part of the scope of work for projects assigned under this continuing contract mechanism. Contractor shall be responsible for field investigation, design development, submittals, permitting, construction (including materials and labor), startup and commissioning of each assigned improvement and all other work associated with satisfactory completion of the work. Contractor shall work cooperatively with the City and its representative during the design development and implementation phases to facilitate coordination and alignment of the project with the City's requirements. The City shall develop and make available to Contractor preliminary design criteria that document the general scope of work and design basis for each project. Contractor shall serve as Engineer of Record for each project and shall ensure that its work conforms to applicable industry standards.

POTENTIAL IMPROVEMENTS

Potential projects that may be awarded under this Agreement include those required to comply with time sensitive requirements of the City's Consent Order, the cessation of operational use of the NCB as well as improvements aimed at enhancing the color removal performance of the existing WTP. This agreement does not constitute an obligation by the City to award any identified project. The City, in its sole discretion, will choose whether to award work under this agreement, which projects are assigned, and allocation of projects between the selected Design-Build entities. Specific projects that may be considered for award under this agreement are listed below.

1. Sodium hypochlorite feed system;
2. Ammonia system improvements;
3. Polymer system;
4. Flow metering, water quality monitoring and control improvements;
5. Lime Softener No. 3 influent modifications;
6. Lime softening system improvements inclusive of a replacement storage/feed system for equipment currently housed in the NCB and modifications to the lime feed system in SCB;
7. Replacement of electrical gear currently housed in NCB;
8. General improvements to SCB (egress, ventilation, eyewash stations, windows, etc.);
9. Ancillary improvements - piping, injection points, supports, painting, color coding/labels/signs.

**Exhibit B
Construction Hourly Labor Rates**

<u>Title</u>	<u>Labor Rate</u>	<u>Labor Rate with Burden</u>	<u>Labor Rate with Burden & OH&P</u>
Field Labor	20.481	32.00	38.40
Foreman / Equipment Operator	28.300	46.00	55.20
Assistant Superintendent	33.140	58.00	69.60
Superintendent	46.754	75.00	90.00
Area / General Superintendent	58.863	98.00	117.60
Assistant Project Manager	26.260	48.00	57.60
Project Manager I	34.973	60.00	72.00
Project Manager II	42.740	75.00	90.00
Project Manager III	68.653	114.00	136.80
Project Manager IV	75.449	124.00	148.80
Estimator	50.350	91.00	109.20

The rates listed in Exhibit B shall remain in effect for a period of one year from the "Effective Date" of the Agreement and subject to annual adjustment of 3%. Upon execution of the Work Authorization the GMP the hourly labor rates shall be set for that Work Authorization and the GMP shall not be adjusted. Provide audit for multiplier.

CONSTRUCTION LABOR BREAKDOWN FOR 2019



CARDINAL CONTRACTORS, INC.

Field Labor

Title	Base Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
LABOR	22.470	6.5163	0.4434	0.80892	0.51			2.80879	1.14285714	0.55029	12.7865129	0.560048191	33.25451384		
LABOR	16.545	4.80965	0.3117	0.59706				2.071125	1.14285714	0.55029	9.50467786	0.573088207	26.08967786		
LABOR	21.848	6.283575	0.4334	0.78001	0.51			2.7384375	1.14285714	0.55029	12.4205354	0.572879606	34.07603356		
LABOR	19.140	5.5854	0.3852	0.69336				2.4075	1.14285714	0.55029	10.7646029	0.558090408	30.0246029		
LABOR	21.13	6.128425	0.4237	0.76077				2.6415625	1.14285714	0.55029	11.6465504	0.551120329	32.77905036		
LABOR	18.73	5.41025	0.3745	0.6741				2.340615	1.14285714	0.55029	10.5126179	0.561421514	29.23761784		
LABOR	17.823	5.19725	0.3545	0.64521				2.2403115	1.14285714	0.55029	10.1346404	0.565470239	28.05714636		
LABOR	21.400	6.106	0.428	0.7704	0.51			2.875	1.14285714	0.55029	12.815429	0.573950401	33.68254286		
LABOR	18.725	5.43025	0.3745	0.6741				2.340625	1.14285714	0.55029	10.5126179	0.561421514	29.23761784		
LABOR	21.400	6.106	0.428	0.7704	0.51			2.875	1.14285714	0.55029	12.815429	0.573950401	33.68254286		
LABOR	19.240	5.5854	0.3852	0.69336				2.4075	1.14285714	0.55029	10.7646029	0.558090408	30.0246029		
LABOR	19.795	5.74205	0.3959	0.71261				2.473175	1.14285714	0.55029	11.0165879	0.558533445	30.81158784		
LABOR	24.000	7.54	0.53	0.936				3.25	1.14285714	0.55029	13.591429	0.538120079	37.93914284		
LABOR	23.395	6.89479	0.4479	0.8062236	0.51			2.7991875	1.14285714	0.55029	12.751235	0.549876112	35.14633496		
14	20.481	5.9395448	0.4096						1.14285714	0.55029	11.5218978	0.56	91.00	0.00	91.00

Foreman / Equipment Operator

Title	Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
FOREMAN	24.191	7.0154176	0.4838	0.8708794	0.51	0.57692308	0.11538	3.02388888	4	0.75	17.3463134	0.717053469	41.33740644		
FOREMAN	18.399	7.657716	0.578	0.9503654	0.51	0.57692308	0.11538	3.29948	4	0.75	18.3862555	0.6944744	44.78529553		
FOREMAN	24.850	10.1065	0.697	1.2546				4.35425	1.14285714	0.75	18.3072071	0.525314409	53.3572071		
FOREMAN	27.760	8.0504	0.5552	0.99916	0.51	0.57692308	0.11538	3.47	4	0.75	19.0271677	0.645420306	46.78716769		
4	28.300											0.64	46.57	0.57	46.00

Assistant Superintendent

Title	Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
ASSISTANT SUPERINTENDENT	31.28	9.0732	0.6256	1.12608	0.51	0.57692308	0.11538	3.91	8	0.75	24.6851877	0.789168404	53.96518769		
ASSISTANT SUPERINTENDENT	35	10.15	0.7	1.26	0.51	0.57692308	0.11538	4.375	8	0.75	26.4373077	0.755351648	61.43730769		
2	33.14											0.77	58.70	0.70	58.00

Superintendent

Title	Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
SUPERINTENDENT	41.83	12.1307	2.6144	1.50588	0.51	0.57692308	0.11538	5.28775	3.2	0.576	26.4540127	0.832512854	68.28401269		
SUPERINTENDENT	40.87	11.8523	2.5544	1.47122	0.51	0.57692308	0.11538	5.10675	3.2	0.576	25.9650527	0.83530816	66.81505269		
SUPERINTENDENT	48.99	14.7071	3.0619	1.76364	0.51	0.57692308	0.11538	6.12375	3.1	0.576	30.1346727	0.815128858	79.13467269		
SUPERINTENDENT	49.49	14.3211	3.0931	1.78164	0.51	0.57692308	0.11538	6.18625	3.1	0.576	30.3914237	0.814029194	79.88142369		
SUPERINTENDENT	52.59	15.2511	3.2869	1.89324	0.51	0.57692308	0.11538	6.57375	3.2	0.576	31.9832727	0.80816263	84.57327269		
5	46.754											0.62	75.74	0.74	75.00

Area / General Superintendent

Title	Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
AREA/GEN SUPERINTENDENT	61.925	17.9525	3.8703	2.2293	0.51	0.57692308	0.11538	7.740625	8	0.3	41.3007952	0.668446631	103.2257952		
AREA/GEN SUPERINTENDENT	55.8	16.182	3.4875	2.0088	0.51	0.57692308	0.11538	6.975	8	0.3	38.1556077	0.683792153	93.9560769		
2	58.8635											0.68	89.59	0.59	89.00

Assistant Project Manager

Title	Rate	Med	Vac	Holiday	Cal	Veh	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
PROJECT ENGINEER	24.74	7.1746	0.4948	0.89064	0.51	0.57692308	0.11538	3.0925	8	0.3	21.1548477	0.815086611	45.89484769		
PROJECT ENGINEER	27.78	8.0542	0.5556	1.00008	0.51	0.57692308	0.11538	3.4725	8	0.3	22.5866677	0.813055712	50.34666769		
2	26.26											0.83	48.13	0.13	48.00

Project Manager I

Title	Rate	Med	Vac	Holiday	Cal	Veh	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
PROJECT MANAGER I	34.040	10.4374	0.7212	1.29816	0.51	0.97959184	0.79592	4.5075	5.31333333	0.3	27.9031035	0.773796548	63.96310354		
PROJECT MANAGER I	34.440	8.9876	0.6878	1.21884	0.51	0.97959184	0.79592	4.305	5.31333333	0.3	27.1400835	0.788019597	61.58008354		
PROJECT MANAGER I	34.420	8.9818	0.6884	1.21912	0.51	0.97959184	0.79592	4.3025	5.31333333	0.3	27.1401873	0.781661457	61.58018735		
3	34.973											0.74	60.80	0.80	60.00

Project Manager II

Title	Rate	Med	Vac	Holiday	Cal	Veh	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
PROJECT MANAGER II	42.74	12.3546	0.8548	1.53864	0.51	0.97959184	0.79592	5.3425	16	0.3	41.7160507	0.978042354	84.4560507		
1	42.74											0.98	84.44	0.74	79.00

Project Manager III

Title	Rate	Med	Vac	Holiday	Cal	Veh	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
PROJECT MANAGER III	61.980	17.9104	3.86	2.32836	0.51	0.97959184	0.79592	7.72	5.31333333	0.3	42.6326035	0.690254748	104.3926035		
PROJECT MANAGER III	71.220	10.9438	4.5138	2.59992	0.51	0.97959184	0.79592	8.0175	5.31333333	0.3	49.1008544	0.679948136	111.2926035		
PROJECT MANAGER III	71.980	10.8742	4.4988	2.59138	0.51	0.97959184	0.79592	8.0975	5.31333333	0.3	44.7911582	0.681261487	116.7721582		
3	68.853											0.84	114.16	0.16	114.00

Project Manager IV

Title	Rate	Med	Vac	Holiday	Cal	Veh	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
PROJECT MANAGER IV	75.448	21.8401	4.7156	2.71614	0.51	0.12144898	1.22449	9.41125	2	0.05	48.8500003	0.844806429	124.0990003		
1	75.449											0.844806429	124.10	0.10	124.00

Estimator

Title	Rate	Med	Vac	Holiday	Cal	Truck	Fuel	Safety	Training	PPE	Burden	Burden Rate	Subtotal	Adjustment	Rate
ESTIMATOR	50.35	14.6015	3.1469	1.8128	0.51	0.97959184	0.79592	0	18		40.8464832	0.811250947	91.1664832		
1	50.35											0.811250947	91.20	0.20	91.00

Overhead & Profit Multiplier

Description	% of Revenue
2018 Q1-Q3 SG&A	8.78%
DESIGN BUILD TARGET PROFIT	11.22%
Total	20.00%

Construction Labor Multiplier
→ **1.10**