

EXHIBIT A

Task Order 28

CITY OF LEESBURG

Professional Services for Turnpike WRF Permit Renewal and Re-Rate Evaluation

A. GENERAL

The City of Leesburg (CITY) has requested Boyle Engineering Corporation (PROFESSIONAL) to assist with the permit renewal and capacity re-rating evaluation for the CITY's Turnpike Water Reclamation Facility (WRF). The Turnpike WRF's Florida Department of Environmental Protection (FDEP) permit expires on July 27, 2008. The following discussion presents the specific tasks that will be performed as part of this Scope of Work. To the extent possible, assumptions are stated herein and are reflected in the budget for services. If the work tasks differ from those formulated as a result of these assumptions, or if the CITY desires additional services, the resulting changes in scope and/or budget will serve as a basis for preparing additional AMENDMENTS, as agreed to by both the CITY and PROFESSIONAL.

PROFESSIONAL will provide the CITY with the following services:

B. TASK GROUP 1- PROJECT MANAGEMENT

PROFESSIONAL will perform project management tasks including the following:

- 1.1 Prepare for and attend project kick-off/client goals meeting
- 1.2 Manage project team and activities.
- 1.3 Prepare for and attend two (2) workshop meetings with the CITY's staff.
- 1.4 Prepare for and attend a pre-application meeting with FDEP.

C. TASK GROUP 2 – PREPARE CAPACITY ANALYSIS REPORT (CAR)

PROFESSIONAL will develop the CAR for the facility in substantial conformance with the FDEP's *Guidelines for Preparation of Capacity Analysis Reports* dated July 1992. The CAR will be organized as described below:

Chapter 1 – Introduction: This chapter will include a brief description of the treatment, biosolids, reuse and disposal facilities including reclaimed water/effluent water quality limitations. Flow diagrams for the current facilities will be prepared for this chapter.

Chapter 2 – Existing Conditions: This chapter will summarize data showing the monthly average daily flows, three-month average daily flows and annual average daily flows for the past 7 years. Flow data will be prepared and presented as requested in the FDEP Guidelines. Current loadings for BOD₅, TSS, TN and TP will be compared to design loadings.

Chapter 3 – Future Conditions: The annual average daily flow and the maximum three month average daily flow will be projected over the next 10 years based on future population or wastewater flow projections provided by the CITY. The wastewater flow projections will be graphically presented as an extension of the previous 5 years of actual flow data.

Chapter 4 – Summary and Conclusions: This Chapter will identify the projected date when the maximum three-month average daily flows of the Turnpike WRF will reach the permitted capacities of the treatment, biosolids, reuse and disposal facilities. If the maximum three-month average daily flow of the Turnpike WRF will not equal or exceed the permitted capacity of the facility within the next 5 years, then recommendations for expansion do not have to be included in the report. If the permitted capacity of the Turnpike WRF will be exceeded over the next five years, the recommendations in the CAR will address the following:

- Whether new construction will be required.
- Whether a re-rating study will be conducted to request a revision of the permitted capacity.

If necessary, this chapter will include an expansion schedule for the Turnpike WRF.

PROFESSIONAL will prepare the CAR for the Turnpike WRF under Task Group 2. The tasks in this group include:

- 2.1 Review the previous CAR that was prepared for the Turnpike WRF.
- 2.2 Review previous reports and record drawings that describe the existing Turnpike WRF.
- 2.3 Prepare process flow diagram for the facility showing flow lines, tank volumes, and the name and quantity of each component, system and process. The flow diagram will include pump stations, major unit processes, biosolids processing, and disposal systems and reuse/effluent disposal systems.
- 2.4 Compile plant loading data for calendar year 2006/2007. The loading rates for BOD₅, TSS, TP, and TN will be calculated for annual average loading, maximum month loading and the maximum three-month loading.

- 2.5 Summarize flow data for the past 7 years (Current number of years the facility has been in operation). Prepare graphs showing annual average daily flows, monthly average flows, and three-month average daily flows.
- 2.6 Review population and/or wastewater flow projections provided by the CITY. Compare the wastewater flow projections to the available permitted capacity at the Turnpike WRF.
- 2.7 Prepare draft CAR and submit to the CITY for review.
- 2.8 Prepare for and attend one (1) meeting for review of the CITY's comments on the draft CAR. It is assumed that one meeting will be held to discuss the draft CAR. Revise the draft and submit the final report to the CITY.

D. TASK GROUP 3 – PREPARE O&M PERFORMANCE EVALUATION REPORT (PER)

PROFESSIONAL will develop Operations and Maintenance (O&M) PER for the Turnpike WRF in general conformance with the FDEP's *Guidelines for Preparation of Operations and Maintenance Performance Reports* dated July 1992. The PER will be organized as described below:

Chapter 1 - Introduction: This chapter will include a brief description of the treatment, biosolids, reuse and disposal facilities including reclaimed water/effluent water quality limitations. The flow diagrams prepared under Task Group 2 for the Turnpike WRF will be included in this chapter.

Chapter 2 – Physical Condition: This chapter will summarize the physical condition of each component, system, and process at the Turnpike WRF. PROFESSIONAL will review only those portions of the facilities that are exposed and available for visual review. This chapter will address the following for each component, system, and process at the Turnpike WRF:

- Visual evidences of hydraulic or organic overloading
- General condition (including rust/corrosion, wear etc.)
- Ability of the existing facilities to maintain service during the permit period

Chapter 3 – Treatment Efficiency: Each treatment unit process will be evaluated for conformance with typical design criteria as documented in the standard manuals and references that are included in Rule 62-600.300(4) FAC. The treatment efficiency provided by the Turnpike WRF will be summarized for average annual daily flow, peak hour flow and maximum three-month average daily flow. PROFESSIONAL will provide an opinion of whether the existing facilities are adequate to maintain permit limitations during the next permit period.

Chapter 4 – Performance Trends: The loading data for BOD₅, TSS, TN and TP that was prepared under Task Group 2 will be used to evaluate the Turnpike WRF. PROFESSIONAL will provide an opinion on the ability of the Turnpike WRF to meet permit limitations under the current loading

conditions. Trends in raw wastewater loading, groundwater monitoring results and surface water monitoring results will be included with this chapter.

Chapter 5 – Operation and Maintenance Program: The O&M program for the Turnpike WRF will be examined including the availability of record drawings and an up-to-date O&M Manual and Log. Other areas that will be evaluated include staffing, record keeping, sampling and lab analyses, operating protocol for the reuse system, cross-connection control and inspection program, and the industrial pretreatment program.

Chapter 6 – Collection System Evaluation: The primary intent of this chapter is to address infiltration/inflow (I/I). If I/I were excessive, then there would typically be a recommendation for further study in the form of a system evaluation to identify necessary repairs.

Chapter 7 – Problems, Deficiencies and Corrective Actions: This chapter will summarize recommendations and schedules for corrective actions for those components, processes, equipment, and procedures at the Turnpike WRF that are considered deficient.

PROFESSIONAL will prepare the O&M PER for the Turnpike WRF under Task Group 3. The tasks in this group include:

- 3.1 Review previous O&M PER that was prepared for the Turnpike WRF.
- 3.2 Prepare the process design criteria comparison and assess treatment efficiency using the last 12 months of raw wastewater quality data and reclaimed water/effluent quality data.
- 3.3 Provide two (2) site visits by a process engineer and one (1) site visit each by a structural and electrical engineer. During the site visits, field evaluation forms will be used to assess the physical condition and attributes of the facilities at the Turnpike WRF. Prepare draft field evaluation forms and submit to the CITY for review. Field evaluation forms will identify recommended corrective actions.
- 3.4 Review CITY's comments on the field evaluation forms at one (1) meeting.
- 3.5 Review and evaluate the Operations and Maintenance program for the Turnpike WRF.
- 3.6 Review and evaluate the occurrence of I/I in the collection system serving the Turnpike WRF.
- 3.7 Prepare the draft O&M PER and submit to the CITY for review.
- 3.8 Prepare for and attend one (1) meeting for review of the CITY's comments on the draft O&M PER. Revise the draft and submit the final report to the CITY.

E. TASK GROUP 4 – EVALUATE AND PREPARE PRELIMINARY DESIGN REPORT (PDR)

PROFESSIONAL will provide the following services under Task Group 4.

- 4.1 Review previous design/engineering reports and record drawings that were prepared for the Turnpike WRF.
- 4.2 Establish pollutant loading design criteria for the capacity re-rating.
- 4.3 Evaluate the preliminary treatment processes, assess re-rating potential, and perform preliminary design of re-rating the process.
- 4.4 Evaluate the sequencing batch reactor (SBR) process and associated equipment, assess re-rating potential, and perform preliminary design of re-rating the process.
- 4.5 Evaluate decanting system and associated equipment, assess re-rating potential, and perform preliminary design of re-rating the process.
- ✓4.6 Evaluate two (2) alternatives for replacing and re-rating the existing filter technology.
- 4.7 Evaluate the disinfection processes, assess re-rating potential, and perform preliminary design of re-rating the process.
- 4.8 Evaluate the effluent transfer process, assess re-rating potential, and perform preliminary design of re-rating the process.
- 4.9 Evaluate biosolids treatment processes, assess re-rating potential, and perform preliminary design of re-rating the process.
- 4.10 Evaluate the plant hydraulics and estimate the hydraulic profile considering the overall re-rating potential of the plant.
- 4.11 Prepare a revised site plan showing proposed facilities and yard piping for the re-rating.
- 4.12 Evaluate existing electrical system and identify improvements to be consistent with the plant re-rating.
- 4.13 Evaluate existing instrumentation system and identify improvements to be consistent with the plant re-rating.
- 4.14 Review the facility's effluent disposal capacity and establish the wet weather storage requirements to be consistent with the plant re-rating.
- 4.15 Prepare the draft preliminary design report and submit to the CITY for review.
- 4.16 Prepare for and attend one (1) meeting for review of the CITY's comments on the draft preliminary design report. Revise the draft and submit the final report to the CITY.

F. TASK GROUP 5 - PREPARE FDEP PERMIT APPLICATIONS

PROFESSIONAL will provide the following services under Task Group 5.

- 5.1 Prepare FDEP permit application package for the Turnpike WRF.
- 5.2 Respond to two (2) requests for additional information (RAIs).
- 5.3 Review draft permit and submit comments to the CITY.

G. SERVICES/INFORMATION PROVIDED BY THE CITY

This scope of services assumes that the CITY generally will assume all responsibilities as set forth in the Agreement. In addition, it has been assumed that the CITY will provide the following:

- Pay all permit fees.
- The past seven (7) years of the discharge monitoring reports for the Turnpike WRF
- Latest capacity analysis, operation and maintenance, and preliminary design reports for the Turnpike WRF.
- Current service area, future service area, and future land use maps for the Turnpike WRF
- Future wastewater flow projections for both service area for a minimum of ten (10) years.
- Reclaimed master plan and reclaimed service area.
- Record or as-built drawings of the Turnpike WRF.
- Biosolids disposal contracts or agricultural use plan, if applicable
- Recent biosolids analysis showing pollutant concentrations
- Recent effluent/reclaimed water analysis showing primary and secondary drinking water standards
- Latest (reclaimed) operating protocol.
- Locations and demands for existing and proposed reclaimed water customers.

All information provided to PROFESSIONAL by the CITY and consultants retained by the CITY shall be used by PROFESSIONAL without independent review or verification.

H. DELIVERABLES

PROFESSIONAL will provide the CITY with the following deliverables:

- Four (4) copies of the draft Capacity Analysis Report for the Turnpike WRF.
- Four (4) copies of the field evaluation forms for the Turnpike WRF.
- Four (4) copies of the draft O&M Performance Evaluation Report for the Turnpike WRF.
- Six (6) copies of the final Capacity Analysis Report for the Turnpike WRF.
- Six (6) copies of the final O&M Performance Evaluation Report for the Turnpike WRF.
- Four (4) copies of the draft preliminary design report for the Turnpike WRF.
- Six (6) copies of the final preliminary design report for the Turnpike WRF.
- One (1) copy of the FDEP permit application package for the Turnpike WRF.
- One (1) copy of each draft and final RAI responses.

I. PERIOD OF SERVICE

The services described above are anticipated to be completed in accordance with the following summary. Unless noted otherwise, time durations listed below are calendar days measured from the date upon which PROFESSIONAL receives the notice to proceed for the work.

- The field evaluation forms will be submitted for the CITY's review within 60 days of receiving the CITY's notice to proceed.
- The draft O&M Performance Evaluation Report and Capacity Analysis Report for the Turnpike WRF will be completed within 90 days of receiving the CITY's notice to proceed.
- The final O&M Performance Evaluation Report and Capacity Analysis Report for the Turnpike WRF the FDEP permit application package will be completed within 15 days of receiving the CITY's comments on the draft reports.
- PROFESSIONAL will prepare a draft response to FDEP's RAI within 10 days of receipt from FDEP. The CITY shall review the draft response in time to respond to FDEP within 30 days of receipt of the RAI from FDEP.
- PROFESSIONAL will submit the draft preliminary design report within 150 days of receiving the CITY's notice to proceed.
- PROFESSIONAL will submit final preliminary design report within 20 days of receiving the CITY's comments on the draft report.

It has been assumed that the CITY will complete all reviews within twenty (20) calendar days of receiving the submittals. It is expected that all services in this scope of services will be completed within 12 months of receiving a notice to proceed.

J. BUDGET

The labor budget presented in the attached EXHIBIT B - Project Budget represents the work tasks and associated level of effort anticipated. The CITY and PROFESSIONAL agree that: (a) the Work Tasks set forth herein have been used to prepare an estimated project budget, and (b) man-hours, labor costs, non-labor expenses and total budget amount set forth are reasonable. The CITY and PROFESSIONAL agree that out-of-scope work will not be undertaken without prior written agreement between the CITY and PROFESSIONAL.

The lump sum method of compensation will be used. The estimated budget for this Scope of Work is **\$228,731**.

K. ADDITIONAL PROVISIONS

- The services described herein will be provided in accordance with the current generally accepted standards of the engineering profession. Certain assumptions have been made in preparing this scope of services. To the extent possible, they are stated herein and are reflected in the budget estimates included in this scope of services. Reasonable material changes between work tasks, or level of effort actually required and those budgeted, may serve as a basis for modifying this scope and budget, as mutually agreed to between CITY and PROFESSIONAL.
- PROFESSIONAL is entitled to rely upon the accuracy of historical and existing data and information provided by CITY and others without independent review and verification. PROFESSIONAL is not responsible for the means, methods, sequences, techniques or procedures of City and Contractor operations or for safety precautions and programs.
- Any Opinion of the Construction Cost prepared by PROFESSIONAL represents its judgment as a design professional and is supplied for the general guidance of CITY. Since PROFESSIONAL has no control over the cost of labor and material, or over competitive bidding or market conditions, PROFESSIONAL does not guarantee the accuracy of such opinions as compared to contractor bids or actual costs to CITY.
- Documents, drawings, and specifications, and electronic information/data, including computer aided drafting and design ("CADD"), prepared by PROFESSIONAL pursuant to this agreement are not intended or represented to be suitable for reuse by CITY or others on extensions of the Project or on any other project. Any use of completed documents for other projects and any use of incomplete documents without specific written authorization from PROFESSIONAL will be at CITY's sole risk and without liability to PROFESSIONAL. CITY assumes full responsibility for such changes unless CITY has given PROFESSIONAL prior notice and has received from PROFESSIONAL written consent for such changes. Electronic data delivered to CITY is for CITY's convenience and shall not include the professional stamp or signature of a PROFESSIONAL engineer or architect. CITY agrees that PROFESSIONAL shall not be liable for claims, liabilities or losses arising out of, or connected with the decline of accuracy or readability of electronic data to inappropriate storage conditions or duration.

Project Budget-Exhibit B

Turnpike WRF Permit Renewal and Facility Re-Rate Evaluations

City of Leesburg

Task Description	Personnel Hours						Budget		
	Principal Engineer	Senior Engineer	Assistant Engineer	Design Cadd Oper	Clerical	Total Hours	Labor	Non-Labor Fee	Total
Task Group 1-Project Management									
1.1 Prepare for and attend project kick-off/client goals meeting	4	8	6		2	20	\$ 2,322	\$ 232	\$ 2,554
1.2 Manage project team and activities	20	64			12	96	\$ 12,164	\$ 1,216	\$ 13,380
1.3 Prepare for and attend two (2) workshop meetings with the City's staff	8	16	20	8	8	60	\$ 6,232	\$ 623	\$ 6,855
1.4 Prepare for and attend a pre-application meeting with FDEP	2	4	4		2	12	\$ 1,306	\$ 131	\$ 1,437
						-	\$ -		\$ -
Subtotal	34	92	30	8	24	188	\$ 22,024	\$ 2,202	\$ 24,226
Task Group 2-Prepare CAR for the Facility									
2.1 Review the previous CAR that was prepared for the Turnpike WRF.	1	4				5	\$ 660	\$ 166	\$ 826
2.2 Review previous reports and record drawings that describe the existing Turnpike WRF.	2	8	12			22	\$ 2,256	\$ 226	\$ 2,482
2.3 Prepare process flow diagram for the facility showing flow lines, tank volumes, and the name and quantity of each component, system and process. The flow diagram will include pump stations, major unit processes, biosolids processing, and disposal systems and reuse/effluent disposal systems.	1	4	12	24		41	\$ 3,684	\$ 368	\$ 4,052
2.4 Compile plant loading data for calendar year 2006/2007. The loading rates for BOD5, TSS, TP, and TN will be calculated for annual average loading, maximum month loading and the maximum three-month loading.	1	2	8		2	13	\$ 1,188	\$ 119	\$ 1,307
2.5 Summarize flow data for the past 7 years (Current number of years the facility has been in operation). Prepare graphs showing annual average daily flows, monthly average flows, and three-month average daily flows.	2	3	12		2	19	\$ 1,815	\$ 182	\$ 1,997
2.6 Review population and/or wastewater flow projections provided by the City and compare the flow projections to the permitted capacity of the Turnpike WRF.	2	4	4		1	11	\$ 1,239	\$ 124	\$ 1,363
2.7 Prepare the draft CAR and submit to the City for review.	8	12	40	20	8	88	\$ 8,376	\$ 838	\$ 9,214
2.8 Prepare for and attend one (1) meeting for review of the City's comments on the draft CAR. Revise the draft and submit the final report to the City.	9	12	16	4	4	45	\$ 5,044	\$ 504	\$ 5,548

Project Budget-Exhibit B

Turnpike WRF Permit Renewal and Facility Re-Rate Evaluations

City of Leesburg

Task Description	Personnel Hours						Budget		
	Principal Engineer	Senior Engineer	Assistant Engineer	Design Cadd Oper	Clerical	Total Hours	Labor	Non-Labor Fee	Total
Subtotal	26	49	104	48	17	244	\$ 24,262	\$ 2,526	\$ 26,788
Task Group 3-Prepare O&M PER for the Facility									
3.1 Review previous O&M PER that was prepared for the Turnpike WRF.	1	4				5	\$ 660	\$ 66	\$ 726
3.2 Prepare the process design criteria comparison and assess treatment efficiency using the last 12 months of raw wastewater quality data and reclaimed water/effluent quality data									
3.3 Provide two (2) Site visits by a process engineer and one (1) site visit each by a structural and electrical engineer. During the site visits, field evaluation forms will be used to assess the physical condition and attributes of the Turnpike WRF. Prepare draft field evaluation forms and submit to the City for review. Field evaluation forms will identify recommended corrective actions.	1	4	12		2	19	\$ 1,730	\$ 173	\$ 1,903
3.4 Review City's comments on the field evaluation forms at one (1) meeting	8	48	40		6	102	\$ 10,642	\$ 1,064	\$ 11,706
3.5 Review and evaluate the Operations and Maintenance program for the Turnpike WRF.	1	6	12		2	21	\$ 1,960	\$ 196	\$ 2,156
3.6 Review and evaluate the occurrence of I/I in the collection system serving the Turnpike WRF.	1	6	4		1	12	\$ 1,269	\$ 127	\$ 1,396
3.7 Prepare the draft O&M PER and submit to the City for review	8	12	40	16	8	84	\$ 8,028	\$ 803	\$ 8,831
3.8 Prepare for and attend one (1) meeting for review of the City's comments on the draft O&M PER. Revise the draft and submit the final report to the City.	8	12	16	4	4	44	\$ 4,844	\$ 484	\$ 5,328
Subtotal	29	94	130	20	24	297	\$ 30,098	\$ 3,010	\$ 33,108
Task Group 4-Evaluate Plant and Prepare Preliminary Design Report									
4.1 Review previous design/engineering reports and record drawings that were prepared for the Turnpike WRF	2	8	12		1	23	\$ 2,323	\$ 232	\$ 2,555

Project Budget-Exhibit B

Turnpike WRF Permit Renewal and Facility Re-Rate Evaluations

City of Leesburg

Task Description	Personnel Hours						Budget		
	Principal Engineer	Senior Engineer	Assistant Engineer	Design Cadd Oper	Clerical	Total Hours	Labor	Non-Labor Fee	Total
	2	4	12		1	19	\$ 1,863	\$ 186	\$ 2,049
4.2 Establish pollutant loading design criteria for the capacity re-rating.									
4.3 Evaluate the preliminary treatment processes, assess re-rating potential, and perform preliminary design of re-rated the process.	2	12	40	12	2	68	\$ 6,078	\$ 608	\$ 6,686
4.4 Evaluate the sequencing batch reactor (SBR) process and associated equipment, assess re-rating potential, and perform preliminary design of re-rating the process.	8	40	48	16	4	116	\$ 11,604	\$ 1,160	\$ 12,764
4.5 Evaluate decanting system and associated equipment, re-rating potential, and perform preliminary design of re-rating the process.	3	8	24	8	2	45	\$ 4,222	\$ 422	\$ 4,644
4.6 Evaluate two (2) alternatives for replacing and re-rating the existing filter technology.	4	16	48	12	4	84	\$ 7,696	\$ 770	\$ 8,466
4.7 Evaluate disinfection processes, assess re-rating potential, and perform preliminary design of re-rating the process.	2	8	20	8	2	40	\$ 3,710	\$ 371	\$ 4,081
4.8 Evaluate the effluent transfer process, assess re-rating potential, and perform preliminary design of re-rating the process.	1	8	16	4	1	30	\$ 2,783	\$ 278	\$ 3,061
4.9 Evaluate biosolids treatment processes, assess re-rating potential, and perform preliminary design of re-rating the process.	4	24	48	24	4	104	\$ 9,660	\$ 966	\$ 10,626
4.10 Evaluate the plant hydraulics and estimate the hydraulic profile considering the overall re-rating potential of the plant.	3	24	64	16	4	111	\$ 10,012	\$ 1,001	\$ 11,013
4.11 Prepare a revised site plan showing proposed facilities and yard piping for the re-rating.	2	6	16	24	3	51	\$ 4,627	\$ 463	\$ 5,090
4.12 Evaluate existing electrical system and identify improvements to be consistent with the plant re-rating.	4	24	32	16	3	79	\$ 7,649	\$ 765	\$ 8,414
4.13 Evaluate existing instrumentation system and identify improvements to be consistent with the plant re-rating.	4	20	28	16	3	71	\$ 6,877	\$ 688	\$ 7,565
4.14 Review the facility's effluent disposal capacity and establish the wet weather storage requirements to be consistent with the plant re-rating.	12	32	64	24	5	137	\$ 13,495	\$ 1,350	\$ 14,845
4.15 Prepare the draft preliminary design report and submit to the CITY for	12	48	136	48	34	278	\$ 24,982	\$ 2,498	\$ 27,480

Project Budget-Exhibit B

Turnpike WRF Permit Renewal and Facility Re-Rate Evaluations

City of Leesburg

Task Description	Personnel Hours						Budget		
	Principal Engineer	Senior Engineer	Assistant Engineer	Design Cadd Oper	Clerical	Total Hours	Labor	Non-Labor Fee	Total
4.16 Prepare for and attend one (1) meeting for review of the City's comments on the draft preliminary design report. Revise the draft and submit the final report to the City.	4	8	40	8	12	72	\$ 6,340	\$ 634	\$ 6,974
Subtotal	69	290	648	236	85	1,328	\$ 123,921	\$ 12,392	\$ 136,313
Task Group 5-Prepare FDEP Permit Applications									
5.1 Prepare FDEP permit application package for the Turnpike WRF.	1	8	16	3	4	32	\$ 2,897	\$ 290	\$ 3,187
5.2 Respond to two (2) requests for additional information (RAI)	2	8	20	1	2	33	\$ 3,101	\$ 310	\$ 3,411
5.3 Review draft permit and submit comments to the City.	2	8	2		1	13	\$ 1,543	\$ 154	\$ 1,697
Subtotal	5	24	38	4	7	78	\$ 7,541	\$ 754	\$ 8,295
Total	163	549	950	316	157	2,135	\$ 207,846	\$ 20,885	\$ 228,731

Amounts shown are fee.

Personnel Category	\$/HR
Principal Engineer	\$200.00
Senior Engineer	\$115.00
Assistant Engineer	\$78.00
Design Cadd Oper	\$87.00
Clerical	\$67.00