



AECOM
800 Douglas Road Entrance
Suite 200
Coral Gables, Florida 33134
www.aecom.com

305 444 4691 tel
305 447 3580 fax

June 19, 2014

Mr. Clece Aurelus, P.E.
Senior Project Manager
City of Hollywood – Department of Public Utilities
1621 N. 14th Avenue
P. O. Box 229045
Hollywood, FL 33020-9045

Re: Proposal for Consulting Services
State Road 7 Lift Stations W-12, W-13, W-23, W-24
City of Hollywood Project No. 14-7042B
AECOM Work Order (14-02)

Dear Mr. Aurelus:

As requested, AECOM is pleased to submit the attached proposal. This proposal addresses engineering design services associated with the State Road 7 Lift Stations to be completed under the terms and conditions of our Professional Services Agreement with the City of Hollywood.

We look forward to working with the City on this important assignment. Please contact Jim Penkosky at 305.718.4809 or 954.410.9677 should you have any questions or comments on the proposal.

Sincerely,
AECOM Technical Services, Inc.

Mark S. Blanchard
Vice President

Enclosure

cc: Jeff Jiang, PE – COH ECSD
Jim Penkosky, PE – AECOM
Michelle Percy - AECOM

**PROJECT NUMBER 14-7042B
WORK ORDER (14-02)**

June 19, 2014

**FEE PROPOSAL AND SCOPE OF SERVICES
CITY OF HOLLYWOOD**

State Road 7 Lift Stations W-12, W-13, W-23, W-24

A. Background

The City of Hollywood (City) owns and operates a sanitary sewer system. The system includes lift stations for wastewater conveyance. The City's 2007/2008 Wastewater System Master Plan identified the extension of sanitary sewers to unsewered portions of the City as an overall goal, with emphasis placed on commercial/industrial areas and areas designated for redevelopment such as the State Road 7/US 441 corridor. Therefore, sewer lift stations will be required. The proposed locations of these lift stations are:

- LS W-12 located at the Funston Street / North State Road 7 intersection
- LS W-13 located at the Fillmore Street / North State Road 7 intersection
- LS W-23 located at the McKinley Street / North State Road 7 intersection
- LS W-24 located at the Sheridan Street / North State Road 7 intersection

The project will be part of the city of Hollywood's water and sewer improvements in conjunction with the FDOT US441/SR7 widening project. The City has already designed the water and sewer pipeline improvements in the project area. Final lift station locations will be determined based on easements obtained by the City during design. There will also be force main connections for each of the stations and some gravity sewer pipes at various lengths depending on final lift station location.

Therefore, the City has requested that AECOM prepare this fee proposal to provide the following services for each lift station:

- Survey and geotechnical work
- Design in the form of drawings and technical specifications with support preliminary design information
- Engineer's Opinion of Probable Cost
- Permitting assistance through the Broward County Environmental Protection Department and the City of Hollywood
- Bid Phase assistance
- Engineering Services during construction
- Engineering completion certifications

B. Scope of Services

1.0 Engineering Design Services

1.1 Management

Project Management activities comprise contract administration, coordination of project staff, monitoring of progress and project costs during this project phase.

1.2 Project Meetings

AECOM will attend meetings with representatives of the City as part of this project, as follows:

- a. Project kick-off meeting
- b. Site plan meeting
- c. Progress/ review meeting at the 90% completion milestone
- d. Meeting with the Broward County Environmental Protection Department to discuss permit after its submission
- e. Meeting with the city of Hollywood Planning and Zoning for permit dry run to discuss after drawing submission

1.3 Field Services

AECOM will conduct a site visit at the (future) lift station locations and force main routing in order to provide for design of the lift stations.

1.3.1 Geotechnical

AECOM will be providing for geotechnical information for the stations. The geotechnical proposal and scope of work is provided in **Attachment A**. It is assumed other borings or soft-dig utility locates will not be needed for the force main or gravity sewer design due to lengths of <1000 lf per segment and the assumed geotechnical information available.

1.3.2 Survey

AECOM will be providing for site survey for horizontal and vertical control. Due to the nature of the project, surveying will be conducted in phases. The phases will be dependent on the FDOT schedule. Survey in the general lift station location will commence once the FDOT has substantially completed their work.

A total surveying allowance of \$20,000 (not including markup) has been allocated for the project. AECOM will provide a copy of the final scope of

work with Survey Fee prior to commencement and subsequent survey invoice after completion.

The survey proposal and anticipated scope of work is provided as **Attachment A**.

1.4 Preliminary Design

1.4.1 Lift Station Preliminary Design

AECOM will provide for preliminary design to the extent as required in support for obtaining the Broward County EPD permit. The preliminary design is expected to consist of:

- Design operating points - AECOM will determine the design operating point given the best available information provided by the City (flow, pressure determination).
- Final site location, including lift station pipe to the tie in points installed as part of the FDOT project.

1.4.2 Pipeline Preliminary Design

AECOM will provide plan views of the force main and gravity main associated with each lift station project.

1.5 Final Design

AECOM will prepare final drawings and technical specifications. Design will follow the recently completed AECOM designed lift stations. Therefore, the following drawing list (16 total) is anticipated for each station.

Drawing	Description
G-001	Cover Sheet
D-001	Process Piping Schedule, Legend, Abbreviations and Details
D-101	Demolition Site Plan, Sections, and Details
D-101	Modifications Site Plan
D-102	Lift Station Plan and Section, Schedule and Notes
D-103	Piping Plan and Profiles I
D-104	Piping Plan and Profiles II
D-105	Details II
D-106	Details III
DI-001	Legend, Abbreviations, and General Notes
DI-101	Process Flow & Instrumentation Diagram
DI-102	Reference Drawings
E-001	One Line Diagram, General Notes and Legend

E-101	Electrical Elevations, Details and Notes
E-501	Elementary Control Diagrams and Instrumentation
E-502	Electrical and Instrumentation Details

AECOM will prepare technical bid specifications commensurate with the lift station facility and pipeline design. These specifications will be based on standard terms commonly used in construction contracts. City of Hollywood standard details and technical specifications will be used where applicable. Otherwise standard Construction Specification Institute (CSI) 16 Division format technical specifications necessary for the project and proven AECOM standard details will be used to supplement what is needed. Contract Documents will be in sufficient detail to enable the contractor to make an informed bid and carry out the construction work as contemplated.

Civil/Mechanical. AECOM will provide for site layout orientation, lift station connection points, final pump and appurtenances selection. The station will have two submersible pumps (duplex stations). Wetwell volume required for a target cycle time of 6 minutes, NAPOT of 10 hours, with a City provided flow rate for one given year will be used. Ventilation will also be provided as a passive system; odor control systems are not required. Contract drawings and specifications for this design work shall be prepared.

For each lift station, a site plan (layout) will be provided prior to the 90% milestone to the City for refinement prior to completion of the 90% drawings.

AECOM will also provide plan and profile for associated force main and gravity sewers at each lift station and proximity pipe connections.

Electrical/ Instrumentation. Electrical design consists of determination of power requirements and total connected load for the lift station, design of power and control centers, preparation of circuit wiring diagrams, design of electric power circuits for motors and associated controls for the new pumps, and coordination with COH ICE Division and Florida Power & Light (FP&L). AECOM will also provide for monitoring equipment and tying into the existing SCADA system. Contract drawings and specifications for the electrical work shall be prepared.

Structural. AECOM will provide structural design parameters of the wetwell and valve vault in accordance with city of Hollywood standards for a precast submersible station. Contract drawings and specifications for this design work shall be prepared. Flotation calculations will also be prepared.

1.5.1 Engineer's Estimate of Probable Cost

An estimate of construction cost will be prepared at the 90% completion milestone. The cost estimate will be subdivided into functional areas as much as practical.

1.5.2 Quality Control

As part of our ISO 9001:2008 certification, AECOM will be conducting internal QA/QC reviews at major completion milestones for the project to enhance value to the City. Results will be incorporated into the deliverables.

1.6 Permitting Assistance

Broward County EPD

The FDEP and SFWMD have delegated permitting authority to the BCEPD. Permitting will consist of preparing the appropriate permit application(s) for submittal to the BCEPD. A reasonable level of effort in accordance with our estimate is assumed to complete this task.

City of Hollywood Planning & Zoning:

AECOM will provide drawings to the City's Planning and Zoning Department with the intent to have approved plans picked up by the selected Contractor once the building permit has been approved.

A reasonable level of effort in accordance with our estimate is assumed to complete this overall task and is based on our past experience permitting similar infrastructure for the City.

The Contractor will be responsible for obtaining ROW, MOT, and dewatering permits as necessary. Preparation or assistance with these applications for other permits for the above agencies or for other regulatory agencies beyond that specified above will be considered an Additional Services item. Such additional permits not included in this scope of work may include, but not be limited to, wetlands, wetland dredge and fill permits, right-of-way construction permits, MOT, Asbestos Handling/Disposal notification permits, Archeological/Historical preservation permits, endangered species permits, and tree removal permits. If any de-watering permits are necessary to conduct the work, their acquisition will be the responsibility of the Contractor.

1.7 Conformed Documents

After Bid Phase Services, AECOM will prepare Conformed Documents that reflect the actual documents bid by the contractor.

1.8 Deliverables

AECOM will provide the following deliverables for each lift station:

- Electronic copy and five hard copies of preliminary site plan for city review
- Electronic copy and five hard copies of drawings and technical specifications at the 90% milestone for city review
- Engineer's estimate and Bid Form for bidding
- BCEPD (FDEP) permit applications to the County and City
- A total of three copies of the 100% design drawings for Hollywood Planning & Zoning dry run permitting (signed and sealed)
- Electronic copies and five hard copies of the Conformed Documents

2.0 Bidding Services

In this task, AECOM will provide assistance to the City during the bidding and award of the project to a single general contractor for all four lift stations. The following tasks are anticipated:

By the City of Hollywood:

1. Bid advertisement and solicitation
2. Provide for reproduction and distribution of contract documents to prospective bidders and will maintain a planholders list

By AECOM:

1. Provide the city with electronic copies of the final contract documents
2. Conduct pre-bid meeting
3. Prepare pre-bid meeting notes
4. Respond to prospective bidders' written inquiries on subject matters effecting our work
5. Development and prepare Addenda
6. Assist City in evaluation of bids, and
7. Provide written recommendation

3.0 Engineering Services During Construction

AECOM will provide construction services outlined below for the duration of the project through Final Completion. Services are described as follows:

3.1 Management

Project Management activities comprise AECOM contract administration, coordination of our project staff, monitoring of progress and AECOM project costs during this project phase.

3.2 Project Meetings

AECOM will attend meetings with representatives of the City as part of this project, as follows:

- a. Pre-construction meeting
- b. Monthly progress meetings. Key members of the AECOM team will attend as required for project certification.

3.3 Engineering Services

AECOM engineers will provide necessary construction observation inspections at key points during project construction to certify implementation is in accordance with our design documents. It is assumed that the city will provide supplemental information to the engineer as needed as part of the City's resident inspection services.

3.4 Contractor Submittals

AECOM's review of Contractor submittals will consist of the following activities:

1. Review shop drawings (construction schedule, schedule of values, dewatering, piping, backfill material, asphalt, mechanical equipment, electrical panels, concrete) submitted by the Contractor to determine general conformance to the design concept and the project manual. AECOM will provide a review and submit comments regarding acceptance status for each set submitted.
2. AECOM will respond to requests for information (RFI) by the Contractor. AECOM will prepare supplementary drawings to resolve actual field conditions encountered as necessary.
3. When requested by the city, AECOM will review change/field orders submitted by each Contractor. Review will address conformance to original design concepts and cost-effectiveness. AECOM will evaluate requested price changes and time extensions for proposed change orders and make recommendations in writing.
4. Written review of contractor supplied O&M Manuals

3.5 Startup Services

AECOM will provide on-site support and troubleshooting during initial startup. It is assumed that operation and maintenance manuals will be provided by separate equipment suppliers and organized by the contractor (for review and approval by AECOM). It is further assumed the contractor will be conducting wet well drawdown tests and all pressure testing then providing test results to AECOM.

3.6 Substantial Completion/Final Acceptance

When the Contractor has submitted for substantial completion, key members of AECOM's team will conduct a final inspection for the work with project representatives and the Contractor and provide written recommendations in the form of a punch list for acceptance of the work.

3.7 Certification Submittals and Record Drawings

AECOM will submit contractor supplied *record drawings* showing changes made during construction to the BCEPD. It is assumed that the contractor will provide to AECOM marked-up (red-lines), as required in the contract specifications, depicting any significant deviations and changes in the Contract Drawings.

AECOM will provide the appropriate documentation for completion certification to the BCEPD. It is assumed that all required testing will be by the contractor and results will be provided to AECOM. A reasonable level of effort in accordance with our estimate is assumed to complete this task.

As part of this task, AECOM will provide Record Drawings on CAD.

Deliverables

AECOM will provide the following deliverables for each lift station project:

- Shop drawing and RFI responses as required (electronically transmitted where practical)
- BCEPD permit applications to the County for final certification
- Electronic copies and five hard copies of the Conformed Documents

Project Team

The project team will be led by AECOM's project manager Mr. Jim Penkosky, P.E. AECOM proposes to use the following subcontractors:

- Dukelberger Engineering & Testing for geotechnical
- Gibbs Land Surveyors (a City of Hollywood firm) for surveying

C. Basic Assumptions

Design and Bid Services:

1. AECOM will determine the design operating point given the best available information provided by the City. AECOM will request for written concurrence from the City on the final design points.
2. Wastewater system modeling will not be necessary.
3. AECOM will place each lift station within easements or rights-of-way expected to be 20'x30' at each location. Property acquisition assistance services are not included in AECOM's scope of work and may be provided on a Time and Materials Basis if requested.
4. The lift station wetwells will be designed for a 6 minute pump cycle, NAPOT of 10 hours, for City provided flow rates provided above.
5. All pumps will be constant speed; the lift station wetwell and valve vault will be precast concrete
6. Pump Station final design will be similar to those lift stations designed by AECOM such as LS A-9.
7. Geotechnical borings and soft dig utility locates will not be necessary for pipeline design. AECOM will use existing geotechnical information.
8. Sheet pile design, if necessary, will be by the selected contractor during construction.
9. A plug-in generator connection compatible with existing City equipment will be used; existing electrical and instrumentation equipment will be used as directed by COH ICE Division including the requested 480v service
10. Sound attenuation, excessive fats, oils and greases (FOG), grit and trash accumulation, and odor control is not anticipated to be a concern for design.
11. Site landscape features will be coordinated with City Building Department.
12. Monumentation of the right of way is not included.
13. Hydraulic modeling of the force main and transmission network along with a surge analysis will not be conducted.
14. The Plan and Profile design drawings will be based on plan scale 1" = 40' horizontal, 1" = 4' vertical on 24"x36" paper for construction with reduced prints for construction on 11"x17" paper.
15. Budget assumes an average of 1000 lf of force main and gravity sewer per associated lift station will be designed, and all pipeline is within COH ROW.
16. Traffic Control Plans (MOT) will be by the city's general contractor.
17. Permitting is limited to providing the required information through permit applications to those agencies specified herein.
18. City will pay for all permit fees.
19. Public hearings will not be required.
20. The City will provide front end (bidding) documents in word format.
21. A single bid effort is assumed for award to a single contractor for all four stations.

22. Compensation for engineering work in this proposal will be based on a lump sum method of payment. This estimate is based on an overall project budget level of effort for the fees proposed.

Engineering Construction Services:

1. Witness factory testing for the pumps or other equipment will not be necessary.
2. The city will pay all permit fees.
3. Public hearings will not be required.
4. The City will provide Resident Inspection Services and Construction Management of the project and will enter an agreement with the selected general contractor.
5. Pay request review is by the City.
6. The city will conduct all meetings and prepare meeting summaries.
7. Redlines will be the sole responsibility of the contractor and provided to AECOM to prepare Record Drawings which reply on such redlines.
8. Compensation for engineering work in this proposal will be based on a lump sum method of payment. This estimate is based on an overall project budget level of effort for the fees proposed.

D. Contract Reference

This Task Order shall be performed under the terms and conditions described within the Professional Services Agreement for General Engineering Consultant Service contract 02-1214 dated February 2003 between the City of Hollywood and AECOM Technical Services, Inc. as amended.

E. Obligations of the City

1. The City shall provide AECOM in a timely manner, all available record data and information related to the project as necessary for the performance of the services specified herein.
2. The City shall review all documents presented by AECOM; obtain advice of an attorney, insurance counselor, and other as the City deems appropriate for such review and render decisions pertaining thereto within reasonable time so as not to delay the services of AECOM.
3. City to provide all services necessary to acquire each site at no cost to AECOM.

F. Compensation

AECOM proposes to perform the tasks for a total of \$264,957. A fee breakdown is presented as **Attachment A**.

AECOM's current rate structure dated February 2009 and represents the only increase since 2006 and will be held through the duration of this project in accordance with our Contract.

G. Project Schedule

The overall project schedule for each station will be dependent on the FDOT schedule of completion for the US441/SR7 corridor improvements.

However, in general, the following schedule for each station can be anticipated.

<u>Schedule Task</u>	<u>Time Elapsed to Task Completion</u>
Notice to Proceed	0 weeks
Task 1 – Engineering Design	
Project Management	Continuous
Site Location	1 week
Survey	4 weeks
Geotechnical	4 weeks
Preliminary Design	8 weeks
90% Design	16 weeks
90% Review Meeting	18 weeks
BCEPD Permitting	22 weeks
Bid Ready Documents	24 weeks
Task 2 – Bid Phase	6 weeks after city advertisement (all stations bid together)
Task 3 – Construction Services	
Shop Drawing review	8 weeks (after Contractor NTP)
Construction	Per FDOT schedule

ATTACHMENT A

1. Geotechnical Proposal
2. Survey Proposal
3. Fee Analysis

Standard Short-Form Agreement

P34140109

Describing a specific agreement between Dunkelberger Engineering & Testing a Terracon Company (the Consultant), and AECOM (the Client), in accordance with Dunkelberger's Agreement for Services.

Identification of Project: Subsurface Study
New Sewage Lift Stations
Along US 441/SR7
Funston, Fillmore, McKinley
and Sheridan Streets
Hollywood, Florida

Client: AECOM
800 Douglas Road Entrance
2nd Floor, North Tower
Coral Gables, Florida 33134

General category of services: Geotechnical Engineering

Specific scope of services:

- Field locate a single engineering boring at the site of each new sewage lift station and obtain underground utility clearance at that location through the Sunshine State One Network.
- Drill and sample a single 40-foot deep Standard Penetration Test (SPT) boring at each lift station location.
- Grout seal the boring from bottom to top once completed.
- Evaluate the geotechnical engineering impact of the subsurface conditions on the design and construction of the facility.
- Provide recommendations for the foundation design and related construction of the facility.

Additional services (if required): None anticipated at this time.

Schedule: Begin the field exploration within five business days of receiving written authorization to proceed. Drill and sample each boring in a single day, weather permitting. Submit the report of the subsurface study one week thereafter.

Deliverables: A written report of the subsurface study for each sewage lift station.

Method of compensation:

A lump sum fee of \$2,600.00 per sewage lift station. This fee is contingent on the boring location: (1) being accessible to a truck-mounted drill rig without need for clearing of vegetation or dozer aid due to poor trafficability, (2) clear of overhead and underground utilities that would require offsetting the boring location to the travel lanes of the adjacent roadway and (3) not requiring any maintenance of traffic provisions to allow the work to be performed in a safe manner.

Special terms of compensation:

Invoice to be paid within 30 days of its date. Other terms and conditions relating to the engagement of Dunkelberger Engineering & Testing, a Terracon Company, for this assignment are described in the Agreement for Services. The Agreement for Services is hereby incorporated into and made part of this proposal.

Other instructions:

To authorize this proposal please sign below, execute the agreement for services and submit a copy of both to this office.

Accepted with Dunkelberger Agreement for Services by:

CLIENT:

By: _____

(Authorized Representative's Signature)

Title: _____

Jim Penkosky, P.E.

(Printed Name/Title)

Date: _____

CONSULTANT:**DUNKELBERGER ENGINEERING &
TESTING a Terracon Company**

By: _____

(Authorized Representative's Signature)

Title: _____

Thomas J. Tepper, P.E. / Senior Engineer

(Printed Name/Title)

Date: _____

April 24, 2014

GIBBS LAND SURVEYORS

2131 HOLLYWOOD BOULEVARD SUITE 204 HOLLYWOOD, FLORIDA 33020
PHONE: 954-923-7666 FAX: 954-923-7668 SGIBBS@GIBBSLANDSURVEYORS.COM

June 9, 2014

Jim Penkosky, P.E.
AECOM
800 Douglas Road Entrance, 2nd Floor
Coral Gables, FL 33134

RE: **Four "Special Purpose" area surveys on State Road 7, Hollywood, FL**

Dear Mr. Penkosky:

We are pleased to submit the following proposal for Professional Land Surveying services on the above referenced project.

LIMITS OF WORK

Four Non-Specific, general areas, east of and adjacent to State Road 7;

- 1.) Sheridan Street
- 2.) McKinley Street
- 3.) Fillmore Street
- 4.) Funston Street

Note: the exact Limits of Survey are not yet known until road construction is substantially complete.

SCOPE OF WORK – for each area to be surveyed:

1. Prepare a 'Record Survey'/'Special Purpose Survey' of the above sites.
2. Survey to include property lines and easements of record per record plats. A title search may be required to verify the existence of easements not part of the record plat. Title search and records search is not a part of this scope.
3. The survey to include a legal description of the above sites showing Section, Township, Range and Tax Folio Number as provided from Broward County Records.
4. The survey shall be performed using State Plane Coordinates and to include benchmarks and control points.
5. Provide electrical conduits, poles, lights, cables, utility markers, overhead utility lines, transformers, lighting control panels, etc.

Jim Penkosky
AECOM
City of Hollywood State Road 7 Lift Stations

June 9, 2013

6. Provide location of catch basins, storm sewer inlets and associated piping in, and which crosses through the area to be surveyed including the inverts of all associated pipes.
7. Provide location of sanitary sewer manholes (on-site and in the street and associated piping which crosses through the area to be surveyed including the inverts of pipes.
8. Provide valves and valve boxes including depth of box and top of pipe elevations.
9. Provide water meters, backflow preventers and spigots including depth of box and elevations of pipes and valves.
10. Provide location of fences and gates (type of fence and gates to be shown on survey).
11. Provide location of shrubs and trees identifying tree trunk diameter, name of shrubs and trees or botanical classification (to the best of the surveyors knowledge).
12. Provide perimeter of the property from right-of-way to right-of-way.
13. Provide location of edge of pavement and centerline of roads, curbs, gutter and any appurtenances of the area surveyed.
14. Provide reference benchmarks and spot elevations on a 20 foot grid in open space where possible, and all vertical changes. Elevations will be referenced to NAVD88 Datum.
15. Provide the following:
 - (a) 5 signed and sealed survey plans of the project site containing the above survey information drawn at a scale of 1"=10'.
 - (b) An AutoCAD drawing file of the site. Each of the entities, colors and line types shall be controlled "by layer" and conform to AIA standards. All site specific fonts shall plot at 3/32" height. ARX or COGO files produced for the survey.
 - (c) Digital photos (electronic files).

The above SCOPE OF WORK will be performed for a fee of: **Hourly, Not to Exceed \$20,000.00**

Surveying as requested will be performed at the following hourly rates:

Principal	\$125.00/hour
Survey Crew Supervisor	85.00/hour
2 Person Field Crew	100.00/hour
Cad Drafter - Survey Technician	60.00/hour
Secretary	35.00/hour

Sincerely,

Stephen K. Seeley, PSM

CITY OF HOLLYWOOD
State Road 7 Lift Stations W-12, W-13, W-23, W-24
Project 14-7042B

ATTACHMENT 1

LABOR CATEGORY	HOURLY RATE	TASK Designations																		TOTAL HOURS	TOTAL FEES
		1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8					
		Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs				
Consulting/Engineering:																					
Proj. Dir., Principal	\$193	2	\$386		\$0		\$0		\$0	5	\$965		\$0		\$0		\$0		7	\$1,351	
Senior Technical Director (QA/QC)	\$193		\$0		\$0	12	\$2,316		\$0	8	\$1,544		\$0		\$0		\$0		20	\$3,860	
Senior Project Manager	\$172	24	\$4,128	12	\$2,064		\$0	16	\$2,752	36	\$6,192	20	\$3,440	2	\$344	2	\$344		112	\$19,264	
Senior Technical Specialist II	\$172		\$0	8	\$1,376		\$0	8	\$1,376	68	\$11,696	10	\$1,720		\$0	4	\$688		98	\$16,856	
Senior Technical Specialist I	\$145		\$0		\$0		\$0		\$0	16	\$2,320	6	\$870		\$0		\$0		22	\$3,190	
Senior Project Engineer	\$125	2	\$250	12	\$1,500		\$0	24	\$3,000	280	\$35,000	48	\$6,000	8	\$1,000	4	\$500		378	\$47,250	
Technical Specialist II	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Technical Specialist I	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Project Engineer II	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Project Engineer	\$98		\$0		\$0		\$0	14	\$1,372	36	\$3,528	14	\$1,372		\$0		\$0		64	\$6,272	
Senior Engineer	\$93		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Engineer II	\$86		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Engineer I	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Technical Services:																					
Senior Designer II	\$101		\$0		\$0		\$0	64	\$6,464	448	\$45,248	16	\$1,616	12	\$1,212	4	\$404		544	\$54,944	
Designer	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		0	\$0	
Project Support Services:																					
Administrative	\$64	8	\$512	8	\$512		\$0		\$0	8	\$512	4	\$256		\$0	4	\$256		32	\$2,048	
TOTAL PERSONNEL		36	\$5,276	40	\$5,452	12	\$2,316	126	\$14,964	905	\$107,005	118	\$15,274	22	\$2,556	18	\$2,192		1277	\$155,035	
Direct Costs:																					
Subcontractor (Gibbs)	cost		\$0		\$0		\$0		\$20,000		\$0		\$0		\$0		\$0			\$20,000	
Subcontractor (Dunkelberger)	cost		\$0		\$0		\$0		\$10,400		\$0		\$0		\$0		\$0			\$10,400	
ODCs	cost		\$100		\$100		\$100		\$200		\$150		\$150		\$200		\$200			\$1,200	
10% markup on subcontractors	10%		\$0		\$0		\$0		\$3,040		\$0		\$0		\$0		\$0			\$3,040	
TOTAL DIRECT COSTS			\$100		\$100		\$100		\$33,640		\$150		\$150		\$200		\$200			\$34,640	
SUB TOTAL			\$5,376		\$5,552		\$2,416		\$48,604		\$107,155		\$15,424		\$2,756		\$2,392			\$189,675	

CITY OF HOLLYWOOD
State Road 7 Lift Stations W-12, W-13, W-23, W-24
Project 14-7042B

ATTACHMENT 1

LABOR CATEGORY	HOURLY RATE	TASK Designations																TOTAL HOURS	TOTAL FEES	
		2.0		3.1		3.2		3.3		3.4		3.5		3.6		3.7				
		Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs			
Consulting/Engineering:																				
Proj. Dir., Principal	\$193		\$0	4	\$772		\$0		\$0		\$0		\$0		\$0		\$0		\$0	\$772
Senior Technical Director (QA/QC)	\$193		\$0		\$0		\$0	4	\$772		\$0		\$0		\$0		\$0		\$0	\$772
Senior Project Manager	\$172	12	\$2,064	16	\$2,752	16	\$2,752	20	\$3,440	28	\$4,816		\$0		\$0		\$0		\$0	\$17,200
Senior Technical Specialist II	\$172	6	\$1,032		\$0	6	\$1,032	32	\$5,504	44	\$7,568	16	\$2,752	8	\$1,376	4	\$688	100	\$1,376	\$17,200
Senior Technical Specialist I	\$145		\$0		\$0		\$0		\$0	6	\$870		\$0		\$0		\$0		\$0	\$688
Senior Project Engineer	\$125	10	\$1,250	4	\$500	16	\$2,000	36	\$4,500	96	\$12,000	16	\$2,000	16	\$2,000	24	\$3,000	6	\$870	\$19,952
Technical Specialist II	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	\$870
Technical Specialist I	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$27,250
Project Engineer II	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$0
Project Engineer	\$98	5	\$490		\$0		\$0	6	\$588	12	\$1,176		\$0		\$0		\$0	23	\$2,254	\$2,254
Senior Engineer	\$93		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$0
Engineer II	\$86		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$0
Engineer I	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$0
Technical Services:																				
Senior Designer II	\$101	8	\$808		\$0		\$0		\$0	16	\$1,616		\$0		\$0	10	\$1,010	34	\$3,434	\$3,434
Designer	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0	\$0
Project Support Services:																				
Administrative	\$64	5	\$320	4	\$256		\$0		\$0	14	\$896		\$0		\$0	4	\$256	27	\$1,728	\$1,728
TOTAL PERSONNEL		46	\$5,964	28	\$4,280	38	\$5,784	98	\$14,804	216	\$28,942	32	\$4,752	24	\$3,376	50	\$6,330	532	\$74,232	\$74,232
Direct Costs:																				
Subcontractor (Gibbs)	cost		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	\$0
Subcontractor (Dunkelberger)	cost		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	\$0
ODCs	cost		\$0		\$100		\$200		\$200		\$200		\$100		\$50		\$200		\$1,050	\$1,050
10% markup on subcontractors	10%		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	\$0
TOTAL DIRECT COSTS			\$0		\$100		\$200		\$200		\$200		\$100		\$50		\$200		\$1,050	\$1,050
SUB TOTAL			\$5,964		\$4,380		\$5,984		\$15,004		\$29,142		\$4,852		\$3,426		\$6,530		\$75,282	\$75,282