



1 IN WITNESS WHEREOF, the parties hereto have caused this document to  
2 be duly executed with all formalities required by law as of the date first stated herein.

3 W.G. ZIMMERMAN ENGINEERING, INC.,  
4 a California corporation

5 August 4, 2008

By William C Zimmerman

William C Zimmerman, President

Type or Print Name

7 August 4, 2008

By William C Zimmerman, Secretary

William C Zimmerman

Type or Print Name

10 "Consultant"

11 CITY OF LONG BEACH, a municipal  
12 corporation

13 August 25, 2008

By [Signature] Assistant City Manager

City Manager EXECUTED PURSUANT  
TO SECTION 301 OF  
THE CITY CHARTER.

"City"

15 This Third Amendment to Agreement No. 28616 is approved as to form on

16 August 18, 2008.

18 ROBERT E. SHANNON, City Attorney

19 By [Signature]  
20 Deputy

OFFICE OF THE CITY ATTORNEY  
ROBERT E. SHANNON, City Attorney  
333 West Ocean Boulevard, 11th Floor  
Long Beach, CA 90802-4664

EXHIBIT "A"

## Scope of Work

### As-Needed Traffic Engineering and Transportation Planning Services

#### A. PROJECT DESCRIPTION AND OVERVIEW

The purpose of this agreement is to provide traffic engineering and transportation planning services on an "as-needed" basis for various projects within the City. Services are expected to be provided in one or more of the three areas listed below.

Consultant services shall include, but not be limited to, the following:

##### 1. TRAFFIC ENGINEERING

###### A. Traffic Operations

Apply traffic engineering concepts to confirm the adequacy of transportation facilities, to determine the need for traffic control devices and to ensure the safe and efficient operation of the transportation system.

Consultant may be required to conduct traffic surveys and data collection; including engineering and traffic surveys; investigate motorist and vehicle characteristics; utilize traffic flow principles; identify and make recommendations on traffic safety; utilize traffic laws and enforcement; determine traffic signal timing; evaluate highway operations; conduct warrant studies for the deployment of traffic control devices; design and evaluate proposals for angled parking, speed humps and traffic calming devices; evaluate neighborhood traffic and parking management issues, and evaluate school area parking, circulation and safety, including the preparation of suggested walking routes to school maps.

###### B. Traffic Design

Prepare traffic engineering designs to warn, regulate, and guide traffic. Consultant may be required to develop geometric and channelization conceptual designs; evaluate or design intelligent transportation systems field elements, communications systems and control elements; prepare traffic signal, striping and signing plans, specifications and estimates, develop parking lot layout designs; prepare traffic signal timing plans;

and review design plans developed in conjunction with private development.

## 2. TRANSPORTATION PLANNING AND PROGRAMS

Consultant may be required to analyze and organize transportation funding programs and policies within the City and the region, utilize and develop transportation policies, funding and institutions, prepare infrastructure planning studies, review or give input to environmental impact studies, define and develop transit and para-transit operations, prepare project study reports, analyze and prepare reports and recommendations relative to the City's transportation programs, identify grant sources and prepare applications for funding and prepare studies for future design and operation of street, pedestrian, bicycle, development and other transportation systems.

### B. DEFINITIONS

OWNER – City of Long Beach

CITY – The City of Long Beach, the Manager of Traffic and Transportation of the City of Long Beach or designated representative.

CITY PROJECT MANAGER (CPM) – The Manager of Traffic and Transportation's designated project manager or representative overseeing the project.

CONSULTANT – The individual, partnership, corporation, joint venture, or other legal entity named as such in the Contract Documents to perform the work.

CONSULTANT PROJECT MANAGER (COPM) – The Consultant's proposed overall project manager and team leader.

### C. BASIC SERVICES

This RFQ is intended to procure traffic engineering, transportation planning, and other professional consulting services including, but not limited to, the following:

#### 1. Design Services

- a) Review and application of City standards for design
- b) Preparation of studies, reports, calculations, designs, drawings, specifications, cost estimates, and schedules
- c) Preparation of environmental documentation
- d) Preparation, application, and acquisition of building and regulatory permits, in a timely manor, from the City of Long Beach and outside agencies

- e) Meeting with City representatives and other consultants for design review and approval
- f) Prepare and submit for review and approval construction plans, cost estimates, and specifications including those at the 30%, 60%, 90%, and 100% design completion stages
- g) Stamped and signed plans and specifications by appropriately licensed California Engineers

## **2. Bidding Services**

- a) Preparation of bid documents
- b) Attendance at pre-bid meetings
- c) Preparation of addenda items

## **3. Engineering Services During Construction**

- a) Attendance at pre-construction meetings
- b) Review of material submittals and shop drawings
- c) Attending field meetings and visiting construction sites pursuant to resolving construction problems and issues
- d) Responding to contractor Requests For Information
- e) Assist and recommend to City any Change Order items
- f) Preparation of Record Drawings of As-built project construction
- g) Assist City with warranty-related work or other construction deficiencies

## **D. CITY RESPONSIBILITIES**

1. Provide project management through an assigned CPM as designated by the City Engineer. The CPM will act as the project focal point.
2. Provide or make available upon request, reports, drawings, documents, GIS land base maps, records and other data deemed useful for project development.
3. Advertise for bids, review bids and award contracts.
4. Administer contracts.

## **E. MISCELLANEOUS**

1. Drafting shall be performed on AutoCAD 2000, in the home office of the Consultant, and conform to City standards.

2. All plans, diskettes/CDs and other documents prepared by the Consultant on behalf of the City shall become the sole property of the City of Long Beach.
3. The City shall pre-approve the Consultant Project Manager i.e. Consultant's Representative (CR), by review of their resumes. If after a period of time, the City is not satisfied with the work of progress of the CR, another CR shall be furnished. The CR, once selected, shall not be replaced, unless approved by the City.
4. All engineering and traffic details and calculations shall be based on appropriate usages of the following:
  - California Vehicle Code
  - Long Beach Municipal Code
  - Caltrans Traffic Manual
  - Manual of Uniform Traffic Control Devices
  - Caltrans Standard Plans
  - City of Long Beach Standard Plans and Handbook of Design Standards (2003 versions)
  - Los Angeles County Congestion Management Program
  - City of Long Beach Traffic Impact Analysis Guidelines
  - Urban Land Institute Shared Parking Analysis
  - Institute of Transportation Engineers (ITE) Trip Generation Manual
  - All other applicable local, county, state and federal codes and regulations

Consultant shall possess appropriate engineering licenses to be deemed qualified to perform the services outlined in this scope of work.

**W. G. ZIMMERMAN ENGINEERING, INC.**

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**City of Long Beach  
Billing Rate Schedule**

<u>Classification</u>	<u>Rate</u>
Principal	\$160.00/Hr
Senior Project Manager (Registered)	\$150.00/Hr
Project Manager (Registered)	\$140.00/Hr
Senior Project Engineer (Registered)	\$120.00/Hr
Project Engineer	\$ 110.00/Hr
Senior Associate Engineer	\$ 95.00/Hr
Associate Engineer	\$ 85.00/Hr
CADD Manager/Senior Designer	\$ 90.00/Hr
CADD/Technician	\$ 75.00/Hr
Administration/Office Support	\$ 60.00/Hr

Non-Labor Expenses

Mileage	\$0.36 per Mile
Printing	@ Cost
Reproduction (Bluelines)	@ Cost
Other Expenses	@ Cost

Note: The Billing Rates are valid for the term of the contract unless there is a mutual agreement to change them.

