



AGENDA REPORT

Meeting Date: November 4, 2010

Item Number: F-9

To: Honorable Mayor & City Council

From: Ara Maloyan, Deputy City Engineer
Anne Zaworski, Principal Civil Engineer

Subject: APPROVAL OF AN AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS AND GLENN A. RICK ENGINEERING AND DEVELOPMENT COMPANY DBA RICK ENGINEERING COMPANY FOR THE PREPARATION OF A TOPOGRAPHY AND UTILITIES SURVEY OF NORTH SANTA MONICA BOULEVARD TO SUPPORT THE NORTH SANTA MONICA BOULEVARD RECONSTRUCTION PROJECT; AND

APPROVAL OF A PURCHASE ORDER IN THE AMOUNT OF \$200,000 TO RICK ENGINEERING COMPANY

Attachments: 1. Agreement

RECOMMENDATION

Staff recommends that the "City Council move to approve an agreement between the City of Beverly Hills and Glenn A. Rick Engineering and Development Company dba Rick Engineering Company (Rick Engineering) for the preparation of a topographic and utilities survey of North Santa Monica Boulevard to support the North Santa Monica Boulevard reconstruction project", and approve a purchase order to Rick Engineering in the amount of \$200,000.

INTRODUCTION

This report is a request for City Council approval of a professional services agreement with Rick Engineering for the preparation of a topographic and utility survey for North Santa Monica Boulevard. This is the first of four phases of the North Santa Monica Boulevard Reconstruction project and will provide staff with a detailed base map for pavement reconstruction and streetscape design purposes.

DISCUSSION

In 2005, the California Department of Transportation (CalTrans) relinquished their interest in Santa Monica Boulevard North (between Moreno Drive and Doheny Boulevard) to the City of Beverly Hills. As part of this ownership transfer agreement, the State provided the City \$4.3 million to be utilized on improving the Boulevard's pavement and associated infrastructure, which at this time have deteriorated to the extent that significant repair and/or replacement will be required.

In June 2008 (recognizing the deterioration of the Boulevard), staff sent out nine invitations for request for proposal (RFP) to provide "Right of Way and Utilities Survey" professional services of Santa Monica Boulevard North for Phase 1 of the streetscape project design, in addition to posting it on the City's website. A Pre-Proposal meeting was held with staff on June 25 at which time interested proposers were able to view all available City records related to Santa Monica Boulevard North, and ask questions of staff. On July 29, 2008, four responsive proposals were received from Johnson-Franks, Psomas and Associates, RBF and Rick Engineering who were subsequently interviewed by City staff on September 29 and 30, 2008.

Engineering staff reviewed and evaluated these proposals based on the Qualifications-Based Selection (QBS) process established by the United States Congress as part of the Brooks Act (Public Law 92-582) and further developed as a process for public agencies to use for the selection of architectural and engineering services for public construction projects. It is a competitive contract procurement process; whereby, consulting firms submit qualifications to a procuring entity (owner) who evaluates and selects the most qualified firm, and then negotiates the project scope of work, schedule, budget, and consultant fee. Under QBS procurement, the cost of the work is not considered when making the initial selection of the best or most appropriate provider of the professional service required.

Staff concurred in their selection of Rick Engineering to provide right of way and utility survey services for the entire length of Santa Monica Boulevard North (formerly State Route 2, and known locally as "Big" Santa Monica Boulevard) from west to east City limits.

Due to budget uncertainties in 2008, staff postponed awarding the agreement to Rick Engineering. Staff have verified that Rick Engineering's 2008 cost proposal remains valid.

Rick Engineering will perform all necessary title searches, map and record drawing research and research of all existing utilities and their ownership and develop a detailed plot plan of Santa Monica Boulevard North Right of Way with all existing utilities clearly identified and labeled. The plot plan will be based on an aerial topography with 1-foot contours and 1" = 40' scale; will cover the entire length of the Santa Monica Boulevard North within the City limits, showing the entire right-of-way width including a minimum overlap of 100 feet beyond both the north and south right-of-way lines. They will also provide an ortho photo (measurable aerial photo) of the entire length and width of the Boulevard as flown for the aerial topography.

During the last two years, Public Works staff have had the opportunity to work closely with Rick Engineering on a City-wide survey project involving the re-establishment of centerline ties and have found them to be a very professional, competent and diligent survey company.

At their September 21, 2010 City Council Study Session, Council agreed unanimously with staff's recommendation of proceeding with the planning/public outreach process for the Santa Monica Boulevard Reconstruction Project, which will require the development of the aforementioned detailed topographic and utilities survey (Phase 1 of a four phase Santa Monica Boulevard North Reconstruction Project).

The main purpose of Phase 1 is to have a detailed survey of Santa Monica Boulevard North that can be utilized to evaluate the feasibility of implementing various streetscape design alternative ideas, which may or may not potentially include:

- Replacement of existing traffic signals and street lights
- Replacement of existing signage
- Redesign of east end island
- Reconstruction of entire pavement section, including curb and gutter
- City Gateway project
- Redesign and reconstruction of existing storm drain system on northside of Boulevard
- Intercepting and installing an infiltration system in Beverly Gardens Park that holds and disperses run-off from perpendicular alleys into the park

Staff recommends that an Agreement for right-of-way and utility survey services be approved between the city of Beverly Hills and Rick Engineering for an amount not to exceed \$200,000, which will allow Phase 1 of this long awaited Santa Monica Boulevard North streetscape project to commence before the end of 2010 and be completed by June 2011; thereby allowing Conceptual Design Development (Phase 2) to start in July of FY11/12.

FISCAL IMPACT

Funds for this project are provided as follows:

FUND	PROJECT NUMBER	SUB-PROJECT NUMBER	FUNDING SOURCE	AMOUNT
06	0889	35-06-0889-85040	Infrastructure	\$200,000



Scott Miller
Finance Approval



David Gustavson
Approved By

Attachment 1

**AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS AND GLENN A. RICK
ENGINEERING & DEVELOPMENT COMPANY DBA RICK ENGINEERING COMPANY
FOR THE PREPARATION OF A TOPOGRAPHY AND UTILITIES SURVEY OF NORTH
SANTA MONICA BOULEVARD TO SUPPORT THE NORTH SANTA MONICA
BOULEVARD RECONSTRUCTION PROJECT**

NAME OF CONSULTANT:	Glenn A. Rick Engineering & Development Company dba Rick Engineering Company
RESPONSIBLE PRINCIPAL OF CONSULTANT:	Barry J. Cowan, PE
CONSULTANT'S ADDRESS:	5620 Friars Road San Diego, CA 92110.
CITY'S ADDRESS:	City of Beverly Hills 455 N. Rexford Drive Beverly Hills, CA 90210 Attention: David D. Gustavson Director of Public Works & Transportation
COMMENCEMENT DATE:	November 5, 2010
TERMINATION DATE:	Upon satisfactory completion of services
CONSIDERATION:	Not to exceed \$200,000, as more fully described in Exhibit B

AGREEMENT BETWEEN THE CITY OF BEVERLY HILLS AND GLENN A. RICK
ENGINEERING & DEVELOPMENT COMPANY DBA RICK ENGINEERING COMPANY
FOR THE PREPARATION OF A TOPOGRAPHY AND UTILITIES SURVEY OF NORTH
SANTA MONICA BOULEVARD TO SUPPORT THE NORTH SANTA MONICA
BOULEVARD RECONSTRUCTION PROJECT

THIS AGREEMENT is made by and between the City of Beverly Hills (hereinafter called "CITY"), and Glenn A. Rick Engineering Development Company dba Rick Engineering Company (hereinafter called "CONSULTANT").

RECITALS

A. CITY desires to have certain services and/or goods provided as set forth in Exhibit A (the "Scope of Work"), attached hereto and incorporated herein.

B. CONSULTANT represents that it is qualified and able to perform the Scope of Work.

NOW, THEREFORE, the parties agree as follows:

Section 1. CONSULTANT's Scope of Work.

CONSULTANT shall perform the Scope of Work described in Exhibit A in a manner satisfactory to CITY and consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. CITY shall have the right to order, in writing, changes in the Scope of Work. Any changes in the Scope of Work by CONSULTANT must be made in writing and approved by both parties. The cost of any change in the Scope of Work must be agreed to by both parties in writing.

Section 2. Time of Performance.

CONSULTANT shall commence its services under this Agreement upon receipt of a written notice to proceed from CITY. CONSULTANT shall complete the performance of services by the Termination Date set forth above and/or in conformance with the project timeline established by the City Manager or his designee.

The City Manager or his designee may extend the time of performance in writing for two additional one-year terms or such other term not to exceed two years from the date of termination pursuant to the same terms and conditions of this Agreement.

Section 3. Compensation.

(a) Compensation

CITY agrees to compensate CONSULTANT for the services and/or goods provided under this Agreement, and CONSULTANT agrees to accept in full satisfaction for such services, a sum not to exceed the Consideration set forth above and more particularly described in Exhibit B, attached hereto and incorporated herein.

(b) Expenses

CONSULTANT shall be entitled to reimbursement only for those expenses expressly set forth in Exhibit B. Any expenses incurred by CONSULTANT which are not expressly authorized by this Agreement will not be reimbursed by CITY.

(c) Additional Services.

City may from time to time require CONSULTANT to perform additional services not included in the Scope of Services. Such requests for additional services shall be made by City in writing and agreed upon by both parties in writing.

Section 4. Method of Payment. Unless otherwise provided for herein, CONSULTANT shall submit to City a detailed invoice, on a monthly basis or less frequently, for the services performed pursuant to this Agreement. Each invoice shall itemize the services rendered during the billing period and the amount due. Within 30 days of receipt of each invoice, CITY shall pay all undisputed amounts included on the invoice. CITY shall pay CONSULTANT said Consideration in accordance with the schedule of payment set forth in Exhibit B, attached hereto and incorporated herein.

Section 5. Independent Contractor. CONSULTANT is and shall at all times remain, as to CITY, a wholly independent contractor. Neither CITY nor any of its agents shall have control over the conduct of CONSULTANT or any of CONSULTANT's employees, except as herein set forth. CONSULTANT shall not, at any time, or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of CITY.

Section 6. Assignment. This Agreement shall not be assigned in whole or in part, by CONSULTANT without the prior written approval of CITY. Any attempt by CONSULTANT to so assign this Agreement or any rights, duties or obligations arising hereunder shall be void and of no effect.

Section 7. Responsible Principal(s)

(a) CONSULTANT's Responsible Principal set forth above shall be principally responsible for CONSULTANT's obligations under this Agreement and shall serve as principal liaison between CITY and CONSULTANT. Designation of another Responsible by CONSULTANT shall not be made without prior written consent of CITY.

(b) CITY's Responsible Principal shall be the City Manager or his designee set forth above who shall administer the terms of the Agreement on behalf of CITY.

Section 8. Personnel. CONSULTANT represents that it has, or shall secure at its own expense, all personnel required to perform CONSULTANT's Scope of Work under this Agreement. All personnel engaged in the work shall be qualified to perform such Scope of Work.

Section 9. Permits and Licenses. CONSULTANT shall obtain and maintain during the Agreement term all necessary licenses, permits and certificates required by law for the provision of services under this Agreement, including a business license.

Section 10. Interests of CONSULTANT. CONSULTANT affirms that it presently has no interest and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of the Scope of Work contemplated by this Agreement. No person having any such interest shall be employed by or be associated with CONSULTANT.

Section 11. Insurance.

(a) CONSULTANT shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, insurance as follows:

(1) A policy or policies of Comprehensive General Liability Insurance, with minimum limits of Two Million Dollars (\$2,000,000) for each occurrence, combined single limit, against any personal injury, death, loss or damage resulting from the wrongful or negligent acts by CONSULTANT.

(2) CONSULTANT shall at all times during the term of this Agreement, carry, maintain and keep, in full force and effect, a policy or policies of Professional Liability Insurance (errors and omissions) with minimum limits of One Million Dollars (\$1,000,000) per claim and in the aggregate. Any deductibles or self-insured retentions attached to such policy or policies must be declared to and be approved by CITY. Further, CONSULTANT agrees to maintain in full force and effect such insurance for one year after performance of work under this Agreement is completed.

(3) A policy or policies of Comprehensive Vehicle Liability insurance covering personal injury and property damage, with minimum limits of One Million Dollars (\$1,000,000) per occurrence combined single limit, covering any vehicle utilized by CONSULTANT in performing the Scope of Work required by this Agreement.

(4) Workers' compensation as required by the state of California.

(b) CONSULTANT shall require each of its sub-contractors to maintain insurance coverage which meets all of the requirements of this Agreement.

(c) The policy or policies required by this Agreement shall be issued by an insurer admitted in the State of California and with a rating of at least a B+;VII in the latest edition of Best's Insurance Guide.

(d) CONSULTANT agrees that if it does not keep the aforesaid insurance in full force and effect CITY may immediately terminate this Agreement or, if insurance is available at a reasonable cost, CITY may take out the necessary insurance and pay, at CONSULTANT's expense, the premium thereon.

(e) At all times during the term of this Agreement, CONSULTANT shall maintain on file with the City Clerk a certificate or certificates of insurance on the form set forth in Exhibit C, attached hereto and incorporated herein, showing that the aforesaid policies are in effect in the required amounts. CONSULTANT shall, prior to commencement of work under this Agreement, file with the City Clerk such certificate or certificates. The general liability and auto liability shall contain an endorsement naming the CITY as an additional insured. All of the policies required under this Agreement shall contain an endorsement providing that the policies cannot be canceled or reduced except on thirty (30) days prior written notice to CITY, and

specifically stating that the coverage contained in the policies affords insurance pursuant to the terms and conditions as set forth in this Agreement.

(f) The insurance provided by CONSULTANT shall be primary to any coverage available to CITY. The policies of insurance required by this Agreement shall include provisions for waiver of subrogation.

(g) Any deductibles or self-insured retentions must be declared to and approved by CITY. At the option of CITY, CONSULTANT shall either reduce or eliminate the deductibles or self-insured retentions with respect to CITY, or CONSULTANT shall procure a bond guaranteeing payment of losses and expenses.

Section 12. Indemnification. CONSULTANT agrees to indemnify, hold harmless and defend CITY, City Council and each member thereof, and every officer, employee and agent of CITY, from any claim, liability or financial loss (including, without limitation, attorneys fees and costs) arising from any intentional, reckless, negligent, or otherwise wrongful acts, errors or omissions of CONSULTANT or any person employed by CONSULTANT in the performance of this Agreement.

Section 13. Termination.

(a) CITY shall have the right to terminate this Agreement for any reason or for no reason upon five calendar days' written notice to CONSULTANT. CONSULTANT agrees to cease all work under this Agreement on or before the effective date of such notice.

(b) In the event of termination or cancellation of this Agreement by CITY, due to no fault or failure of performance by CONSULTANT, CONSULTANT shall be paid based on the percentage of work satisfactorily performed at the time of termination. In no event shall CONSULTANT be entitled to receive more than the amount that would be paid to CONSULTANT for the full performance of the services required by this Agreement. CONSULTANT shall have no other claim against CITY by reason of such termination, including any claim for compensation.

Section 14. CITY's Responsibility. CITY shall provide CONSULTANT with all pertinent data, documents, and other requested information as is available for the proper performance of CONSULTANT's Scope of Work.

Section 15. Information and Documents. All data, information, documents and drawings prepared for CITY and required to be furnished to CITY in connection with this Agreement shall become the property of CITY, and CITY may use all or any portion of the work submitted by CONSULTANT and compensated by CITY pursuant to this Agreement as CITY deems appropriate.

Section 16. Records and Inspections. CONSULTANT shall maintain full and accurate records with respect to all matters covered under this Agreement for a period of 20 year(s). CITY shall have access, without charge, during normal business hours to such records, and the right to examine and audit the same and to make copies of transcripts therefrom, and to inspect all program data, documents, proceedings and activities.

Section 17. Changes in the Scope of Work. The CITY shall have the right to order, in writing, changes in the scope of work or the services to be performed. Any changes in the

scope of work requested by CONSULTANT must be made in writing and approved by both parties.

Section 18. Notice. Any notices, bills, invoices, etc. required by this Agreement shall be deemed received on (a) the day of delivery if delivered by hand during the receiving party's regular business hours or by facsimile before or during the receiving party's regular business hours; or (b) on the second business day following deposit in the United States mail, postage prepaid to the addresses set forth above, or to such other addresses as the parties may, from time to time, designate in writing pursuant to this section.

Section 19. Attorney's Fees. In the event that either party commences any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action shall be entitled to reasonable attorney's fees, costs and necessary disbursements, in addition to such other relief as may be sought and awarded.

Section 20. Entire Agreement. This Agreement represents the entire integrated agreement between CITY and CONSULTANT, and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both CITY and CONSULTANT.

Section 21 Exhibits; Precedence. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.

Section 22. Governing Law. The interpretation and implementation of this Agreement shall be governed by the domestic law of the State of California.

Section 23. City Not Obligated to Third Parties. CITY shall not be obligated or liable under this Agreement to any party other than CONSULTANT.

Section 24. Severability. Invalidation of any provision contained herein or the application thereof to any person or entity by judgment or court order shall in no way affect any of the other covenants, conditions, restrictions, or provisions hereof, or the application thereof to any other person or entity, and the same shall remain in full force and effect.

EXECUTED the _____ day of _____ 201__, at Beverly Hills, California.

CITY OF BEVERLY HILLS
A Municipal Corporation

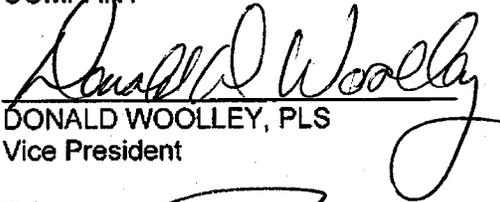
JIMMY DELSHAD
Mayor of the City of
Beverly Hills, California

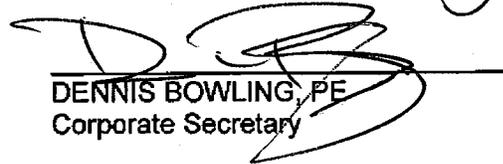
[Signatures continue]

ATTEST:

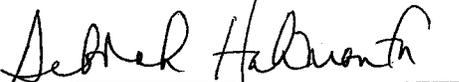
BYRON POPE
City Clerk (SEAL)

CONSULTANT: GLENN A. RICK
ENGINEERING & DEVELOPMENT
COMPANY DBA RICK ENGINEERING
COMPANY


DONALD WOOLLEY, PLS
Vice President


DENNIS BOWLING, PE
Corporate Secretary

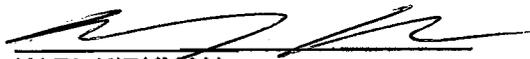
APPROVED AS TO FORM:


LAURENCE S. WIENER
City Attorney

APPROVED AS TO CONTENT:

JEFFREY KOLIN
City Manager


DAVID D. GUSTAVSON
Director of Public Works & Transportation


KARL KIRKMAN
Risk Manager

**EXHIBIT A
SCOPE OF WORK**

CONSULTANT shall provide services in connection with the following Tasks, as more fully described in Attachment 1 to this Exhibit, to the full satisfaction of CITY:

- Task 1. Meetings and Coordination**
- Task 2. Boundary Survey and Analysis**
- Task 3. Aerial Mapping**
- Task 4. HDS Survey**
- Task 5. Conventional Design Survey and Processing**
- Task 6. HDS Survey Processing**
- Task 7. Final Report**

Attachment 1 to Exhibit A

(Attached)



SCOPE OF SERVICES

MEETINGS AND COORDINATION

Rick Engineering Company will conduct monthly progress and coordination meetings at Public Works building with City staff, City Council and other pertinent agencies as required by the project regarding the progress and status of the survey. Monthly reports will be prepared detailing job status, conditions encountered, schedule update and current and projected costs.

We will coordinate with the City of Beverly Hills Planning Department concerning potential changes to the General Plan and upcoming proposed and/or ongoing projects within the Santa Monica Boulevard service areas and sphere of influence, including the Annenberg Cultural Center at Crescent/Santa Monica Boulevard, the Hilton Revitalization project at Wilshire/Santa Monica Boulevard and the existing Wilson Rail Right of Way (T-1) land.

RESEARCH

Rick Engineering will perform public record research at the Cities of Beverly Hills, Los Angeles and West Hollywood, the County of Los Angeles, Caltrans and all Utility Companies to collect available utility as-built plans, survey monumentation records to accurately establish the centerline, right of way of Santa Monica Boulevard, and adjacent parcel mapping; and we will utilize the attached NGS control for the project to ensure consistency within the existing city boundaries. This research will include reviewing and becoming familiar with the City's General land use maps, and performing the analysis to establish the right of way by reviewing the adjacent property mapping data

Additionally, all City maintained utility records will be collected and incorporated into a compiled utility drawing along with the records of the additional agencies including AT&T, The Gas Company, Southern California Edison, Time Warner and other utilities discovered during research and field investigation. This information will be compiled into a database and incorporated into the final CAD submittal.

SURVEYING

Rick Engineering Company will perform a multi-faceted approach to provide the surveying for this project. We recognize the need for providing a safe environment for not only the survey crews but to also have minimal impact on the live traffic patterns of this busy highway.

The first surveying task will be to establish project horizontal and vertical control from researched public records. The project datum will be determined during the preliminary design meeting with City of Beverly Hills. The public records will be researched to provide all existing mapping and monumentation to accurately establish the right of way of Santa Monica Boulevard. A compiled map with search coordinates will be generated and serve as the primary document to search for and accurately establish the right of way in the field.

AERIAL MAPPING

The project corridor segment will be flown and photographed to provide a 1"= 40' scale base mapped per photogrammetric methods. The limits of the aerial mapping will include a corridor approximately 1.8 miles long and 500' wide and include overlap to the nearest intersection at both City limits. Also included will be that section of Beverly Gardens Park (between Crescent Drive and the east city limit) and approximately 100' of the eleven north/south alleys that terminate and drain into the north edge of Beverly Gardens Park.

SANTA MONICA BOULEVARD NORTH TOPOGRAPHY & UTILITY SURVEY SERVICES



An Orthophoto (.25' Pixel) of the entire corridor will be generated and provided as an early deliverable to be used as a scaleable exhibit for a preliminary planning tool for the conceptual designs, as well as providing an updated aerial view of the site's existing conditions. The Orthophoto can also be used as an excellent background to enhance the conventional surveying and compiled photogrammetric mapping deliverables.

The aerial photography will be controlled by establishing survey points identified in the field without having to place aerial targets in advance of the flight. Controlling the photography after the flight ensures proper control of the photography and has less impact on the project site as no targets are set and do not need to be removed or painted over.

HIGH DEFINITION SURVEYING (HDS) AND PROCESSING

This will be performed with the utmost safety in mind and use a mix of technologies. We propose to survey Santa Monica Boulevard using *3-D Laser Scanning technologies*. This allows for maximum safety as Santa Monica Boulevard will be mapped to final design level accuracies from right of way to right of way without having surveyors in the street and without impacting traffic.

3-D Laser Scanning is land based lidar that collects up to 50,000 points per second. It is set up outside of traffic and collects final design level accuracy data without having a need for a surveyor to be in the street. The information is gathered and processed in the office similarly to photogrammetric compilation but with greater accuracy.

The compiled scan data will be incorporated into the aerial mapping models and be used to generate final contours and a digital terrain model (DTM) of the project.

As part of the final submittal a digital product, Leica TruView, is provided of the scanning data in a photograph quality environment that allows any user with no training the ability to view the panoramic field of each scan with the additional ability to accurately measure distances within that scan. This information allows the design team to have access to the field data at any time as if they were in the field at the time of the scan.

The 3-D scanning of the roadway and right of way provide a comprehensive model of data within the scan limits. This data includes curb, utilities, sidewalks, ADA curb ramps, curb radiuses, curb and gutter, grass and decorative parkway, street trees, parking stripes, signage, street lights, traffic signals, striping, traffic signal cabinets, bus stops, building faces within the proposed survey limits, bollards, benches, newspaper racks, litter receptacles, bicycle racks and any other existing land use. The scan data and TruView are computer files that save all of the scanned data and can be reused without returning to the field for more field work.

CONVENTIONAL DESIGN SURVEY AND PROCESSING

Conventional surveys will be performed in areas that are not impacted by traffic. This will include all areas outside of the right of ways and include the additional 11 alley extension details in the Beverly Gardens Park (between Crescent Drive and the east city limit). This will be performed using conventional surveying methods utilizing a three-person survey crew using Topcon Total Stations. In addition to surveying areas that are not efficiently scanned, the use of a three person crew will enable pertinent utilities to safely be detailed in areas where being in traffic cannot be avoided to measure inverts and other necessary details.

**SANTA MONICA BOULEVARD NORTH
TOPOGRAPHY & UTILITY SURVEY SERVICES**



Conventional surveys will include collecting data for utilities and other pertinent topographic features outside the limits of the HDS scan and include redundancy checks for facilities within the HDS scan cloud.

Additional redundancy will be performed by comparing the Aerial Mapping, HDS surveys and conventional design surveys to ensure accuracy and completeness of the final deliverable.

Digital photographs will be used as an additional tool to provide site details such as utilities or landscaping that may impact site design. These photos are taken at appropriate locations and oriented in the project deliverable to provide additional input to the engineering design team as to site conditions.

DELIVERABLES AND FINAL REPORT

The final deliverables will include one (1) mylar set of the finished mapping and topography, digital electronic copies in an industry standard format, and five (5) hard copies of the incorporated topographic and utilities survey. A final project report will be generated to include all research data, survey data, field notes, calculations, adjustments and other project related material.

This completed deliverable can also be provided in an ArcGis format made to be compatible with any system adopted by the City of Beverly Hills.

PROJECT CONTROL OVERVIEW

Data From:

GPS (Fast) Static Survey	x	RTK Survey	
Conventional Survey		Other	

Project For:

Geodetic Control	x	Boundary Survey	
Aerial Ground Control		Construction Control	
Other			

Processing By:

Post-Processed	x	Differential (DGPS)	
RTK Project		Network Adjustment	x

Coordinate Reference System

County: Los Angeles

Horizontal Datum

NAD83 (GRS80) State Plane Grid Coordinates			x
OCS		CORS	x
Epoch: 2007.00		CCS Zone: 5	5
Local Ground Coordinates (Approximate CCS83)			
Local Ground Coordinate System			
Other			

Vertical Datum

NAVD88 Elevations		City of Beverly Hills BMs	x
NGVD29 Elevations	x		
OCS		NGS	
Other			
Ellipsoid Heights			
Other			

PROJECT CONTROL OVERVIEW

BASIS OF COORDINATES -

Bearings and coordinates as shown hereon are in terms of the California Coordinate System of 1983 (CCS83, Epoch 2007.00), Zone 5; based locally upon the following Continuously Operating Control Stations (CORS) as published by the NGS:

Name	Northing (ft) - GRID	Easting (ft) - GRID	Elevation (ft)
DSHS CORS DSHS	1831273.12	6456057.89	--
FXHS CORS FXHS	1851909.08	6452817.79	--
LFRS CORS LFRS	1857235.34	6436685.44	--
UCLP CORS UCLP	1847829.44	6427838.47	--

All coordinates and distances are in terms of the U.S. Survey Foot (1 meter = 39.37/12 feet)

BENCHMARKS -

Elevations as shown hereon are in terms of the City of Beverly Hills Vertical Datum (NGVD29) based locally upon the following City of Beverly Hills Benchmark(s), values as published by the City of Beverly Hills - Transportation/Engineering Dept (01/2005):

Name	NGVD29 Elev. (ft)	Year Levelled
214 Olympic/McCarty - NE Corner	229.04	1988
355 Benedict/Tropical - SW Corner	437.73	1988
371 Beverly/Canon - NW Corner	351.62	1988
372 Beverly/Shadow Hill - NW Cor.	452.12	1988
427 Hillcrest/Monte Leon	414.40	1992

The NGS Data Sheet

DATABASE = , PROGRAM = datasheet, VERSION = 7.85
 1 National Geodetic Survey, Retrieval Date = SEPTEMBER 28, 2010

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AJ1858
*****
AJ1858 DESIGNATION - DSHS DORSEY HIGH SCHOOL GRM
AJ1858 PID - AJ1858
AJ1858 STATE/COUNTY- CA/LOS ANGELES
AJ1858 USGS QUAD - HOLLYWOOD (1994)
AJ1858
AJ1858 *CURRENT SURVEY CONTROL
AJ1858
AJ1858* NAD 83(2007)- 34 01 26.14078(N) 118 20 54.69940(W) ADJUSTED
AJ1858* NAVD 88 - 34.113 (meters) 111.92 (feet) ADJUSTED
AJ1858
AJ1858 EPOCH DATE - 2007.00
AJ1858 X - -2,512,712.318 (meters) COMP
AJ1858 Y - -4,657,159.354 (meters) COMP
AJ1858 Z - 3,548,645.860 (meters) COMP
AJ1858 LAPLACE CORR- 2.22 (seconds) DEFLEC09
AJ1858 ELLIP HEIGHT- -1.408 (meters) (02/10/07) ADJUSTED
AJ1858 GEOID HEIGHT- -35.54 (meters) GEOID09
AJ1858 DYNAMIC HT - 34.077 (meters) 111.80 (feet) COMP
AJ1858
AJ1858 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
AJ1858 Type PID Designation North East Ellip
AJ1858 -----
AJ1858 NETWORK AJ1858 DSHS DORSEY HIGH SCHOOL GRM 0.00 0.00 0.00
AJ1858 -----
AJ1858 MODELED GRAV- 979,574.0 (mgal) NAVD 88
AJ1858
AJ1858 VERT ORDER - SECOND CLASS II
AJ1858
AJ1858. ITRF positions are available for this station.
AJ1858. The horizontal coordinates were established by GPS observations
AJ1858. and adjusted by the National Geodetic Survey in February 2007.
AJ1858
AJ1858. The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
AJ1858. See www.ngs.noaa.gov/NationalReadjustment for more information.
AJ1858. The horizontal coordinates are valid at the epoch date displayed
above.
AJ1858. The epoch date for horizontal control is a decimal equivalence
AJ1858. of Year/Month/Day.
AJ1858
AJ1858. The orthometric height was determined by differential leveling and
AJ1858. adjusted in February 2008.
AJ1858. No vertical observational check was made to the station.
AJ1858
AJ1858. The X, Y, and Z were computed from the position and the ellipsoidal
ht.
AJ1858
AJ1858. The Laplace correction was computed from DEFLEC09 derived
deflections.
AJ1858
AJ1858. The ellipsoidal height was determined by GPS observations
  
```


AJ1858'HTTP://SOPAC.UCSD.EDU/SCRIPTS/SIMPL.CGI

AJ1858

AJ1858

STATION RECOVERY (2006)

AJ1858

AJ1858'RECOVERY NOTE BY CITY OF LOS ANGELES CALIFORNIA 2006 (RH)

AJ1858'DSHS IS A CONTINUOUS GPS (CGPS) SITE LOCATED AT DORSEY HIGH SCHOOL,
IN

AJ1858'THE CITY OF LOS ANGELES. IT IS A SOUTHERN CALIFORNIA INTEGRATED GPS

AJ1858'NETWORK (SCIGN) CONTINUOUS GPS (CGPS) MONUMENT. MOUNTED ON THIS

AJ1858'MONUMENT IS A SCIGN ANTENNA ADAPTOR (DETAILED SPECIFICATIONS OF THE

AJ1858'CONSTRUCTION OF THE MONUMENT AND THE MACHINED SPECIFICATIONS OF THE

AJ1858'ADAPTOR ARE AVAILABLE ON THE SCIGN/USGS WEB SITES) WITH A STANDARD

AJ1858'GEODETIC REFERENCE MARK (GRM) ON THE BOTTOM HALF OF THE ADAPTOR,

WHICH

AJ1858'IS PERMANENTLY INSTALLED ON THE MONUMENT. DAILY GPS DATA AND MORE

AJ1858'INFORMATION ON THIS SITE IS AVAILABLE AT THE CSRC WEB SITE

AJ1858'(CSRC.UCSD.EDU).

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

DATABASE = , PROGRAM = datasheet, VERSION = 7.85
 1 National Geodetic Survey, Retrieval Date = SEPTEMBER 28, 2010

AJ1866

 AJ1866 DESIGNATION - FXHS FAIRFAX HIGH SCHOOL GRM
 AJ1866 PID - AJ1866
 AJ1866 STATE/COUNTY- CA/LOS ANGELES
 AJ1866 USGS QUAD - HOLLYWOOD (1994)
 AJ1866
 AJ1866 *CURRENT SURVEY CONTROL
 AJ1866
 AJ1866* NAD 83(2007)- 34 04 50.16372(N) 118 21 34.07027(W) ADJUSTED
 AJ1866* NAVD 88 - 69.093 (meters) 226.68 (feet) ADJUSTED
 AJ1866
 AJ1866 EPOCH DATE - 2007.00
 AJ1866 X - -2,511,943.118 (meters) COMP
 AJ1866 Y - -4,653,607.887 (meters) COMP
 AJ1866 Z - 3,553,874.128 (meters) COMP
 AJ1866 LAPLACE CORR- 2.02 (seconds) DEFLEC09
 AJ1866 ELLIP HEIGHT- 34.010 (meters) (02/10/07) ADJUSTED
 AJ1866 GEOID HEIGHT- -35.10 (meters) GEOID09
 AJ1866 DYNAMIC HT - 69.020 (meters) 226.44 (feet) COMP
 AJ1866
 AJ1866 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
 AJ1866 Type PID Designation North East Ellip
 AJ1866 -----
 AJ1866 NETWORK AJ1866 FXHS FAIRFAX HIGH SCHOOL GRM 0.00 0.00 0.00
 AJ1866 -----
 AJ1866 MODELED GRAV- 979,580.5 (mgal) NAVD 88
 AJ1866
 AJ1866 VERT ORDER - SECOND CLASS II
 AJ1866

AJ1866. ITRF positions are available for this station.
 AJ1866. The horizontal coordinates were established by GPS observations
 AJ1866. and adjusted by the National Geodetic Survey in February 2007.
 AJ1866
 AJ1866. The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AJ1866. See www.ngs.noaa.gov/NationalReadjustment for more information.
 AJ1866. The horizontal coordinates are valid at the epoch date displayed
 above.
 AJ1866. The epoch date for horizontal control is a decimal equivalence
 AJ1866. of Year/Month/Day.
 AJ1866
 AJ1866. The orthometric height was determined by differential leveling and
 AJ1866. adjusted in February 2008.
 AJ1866. No vertical observational check was made to the station.
 AJ1866
 AJ1866. The X, Y, and Z were computed from the position and the ellipsoidal
 ht.
 AJ1866
 AJ1866. The Laplace correction was computed from DEFLEC09 derived
 deflections.
 AJ1866
 AJ1866. The ellipsoidal height was determined by GPS observations

AJ1866.and is referenced to NAD 83.
 AJ1866
 AJ1866.The geoid height was determined by GEOID09.
 AJ1866
 AJ1866.The dynamic height is computed by dividing the NAVD 88
 AJ1866.geopotential number by the normal gravity value computed on the
 AJ1866.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ1866.degrees latitude (g = 980.6199 gals.).
 AJ1866
 AJ1866.The modeled gravity was interpolated from observed gravity values.
 AJ1866
 AJ1866;

	North	East	Units	Scale	Factor
Converg.					
AJ1866;SPC CA 5	- 564,463.016	1,966,822.797	MT	0.99999009	-0 12
17.6					
AJ1866;SPC CA 5	- 1,851,909.08	6,452,817.79	sFT	0.99999009	-0 12
17.6					
AJ1866;UTM 11	- 3,771,926.847	374,570.735	MT	0.99979394	-0 45
42.8					

AJ1866
 AJ1866!
 AJ1866!SPC CA 5
 AJ1866!UTM 11

	Elev Factor	x	Scale Factor	=	Combined Factor
AJ1866!SPC CA 5	0.99999466	x	0.99999009	=	0.99998475
AJ1866!UTM 11	0.99999466	x	0.99979394	=	0.99978860

AJ1866
 SUPERSEDED SURVEY CONTROL
 AJ1866
 AJ1866
 AJ1866 NAD 83(1998)- 34 04 50.15774(N) 118 21 34.06287(W) AD(2000.35) A
 AJ1866 ELLIP H (04/03/01) 34.031 (m) GP(2000.35) 1

1
 AJ1866
 AJ1866.Superseded values are not recommended for survey control.
 AJ1866.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AJ1866.See file dsdata.txt to determine how the superseded data were
 derived.

AJ1866
 AJ1866_U.S. NATIONAL GRID SPATIAL ADDRESS: 11SLT7457071926(NAD 83)
 AJ1866_MARKER: Z = SEE DESCRIPTION
 AJ1866_SETTING: 0 = UNSPECIFIED SETTING
 AJ1866_SP_SET: CGPS SITE DB MONUMENT
 AJ1866_MARK LOGO: NONE
 AJ1866_MAGNETIC: N = NO MAGNETIC MATERIAL
 AJ1866_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD
 AJ1866+STABILITY: POSITION/ELEVATION WELL
 AJ1866_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AJ1866+SATELLITE: SATELLITE OBSERVATIONS - March 17, 2006

AJ1866
 AJ1866 HISTORY - Date Condition Report By
 AJ1866 HISTORY - 2001 MONUMENTED NGS
 AJ1866 HISTORY - 20060317 GOOD CA1980

AJ1866
 STATION DESCRIPTION
 AJ1866
 AJ1866'DESCRIBED BY NATIONAL GEODETIC SURVEY 2001
 AJ1866'THIS IS A CALIFORNIA CORS.
 AJ1866'THESE COORDINATES ARE FOR THE GEODETIC REFERENCE MARK OF A
 AJ1866'CALIFORNIA CORS. INFORMATION ABOUT THE GRM, ANTENNA TYPE
 AJ1866'AND ANTENNA HEIGHT CAN BE FOUND AT THE SOPAC WEBSITE:

AJ1866'HTTP://SOPAC.UCSD.EDU/SCRIPTS/SIMPL.CGI

AJ1866

AJ1866

STATION RECOVERY (2006)

AJ1866

AJ1866'RECOVERY NOTE BY CITY OF LOS ANGELES CALIFORNIA 2006 (RH)

AJ1866'FXHS IS A CONTINUOUS GPS (CGPS) SITE LOCATED AT FAIRFAX HIGH SCHOOL,

AJ1866'LOS ANGELES, CA. IT IS A SOUTHERN CALIFORNIA INTEGRATED GPS NETWORK

AJ1866'(SCIGN) CONTINUOUS GPS (CGPS) MONUMENT. MOUNTED ON THIS MONUMENT IS

A

AJ1866'SCIGN ANTENNA ADAPTOR (DETAILED SPECIFICATIONS OF THE CONSTRUCTION OF

AJ1866'THE MONUMENT AND THE MACHINED SPECIFICATIONS OF THE ADAPTOR ARE

AJ1866'AVAILABLE ON THE SCIGN/USGS WEB SITES) WITH A STANDARD GEODETIC

AJ1866'REFERENCE MARK (GRM) ON THE BOTTOM HALF OF THE ADAPTOR, WHICH IS

AJ1866'PERMANENTLY INSTALLED ON THE MONUMENT. DAILY GPS DATA AND MORE

AJ1866'INFORMATION ON THIS SITE IS AVAILABLE AT THE CSRC WEB SITE

AJ1866'(CSRC.UCSD.EDU).

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

DATABASE = , PROGRAM = datasheet, VERSION = 7.85
 1 National Geodetic Survey, Retrieval Date = SEPTEMBER 28, 2010

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AJ1878
*****
AJ1878 DESIGNATION - LFRS LOWER FRANKLIN RES GRM
AJ1878 PID - AJ1878
AJ1878 STATE/COUNTY- CA/LOS ANGELES
AJ1878 USGS QUAD - BEVERLY HILLS (1995)
AJ1878
AJ1878 *CURRENT SURVEY CONTROL
AJ1878
AJ1878* NAD 83(2007)- 34 05 42.23936(N) 118 24 46.12083(W) ADJUSTED
AJ1878* NAVD 88 - 182.6 (meters) 599. (feet) GPS OBS
AJ1878
AJ1878 EPOCH DATE - 2007.00
AJ1878 X - -2,515,891.793 (meters) COMP
AJ1878 Y - -4,650,558.788 (meters) COMP
AJ1878 Z - 3,555,266.677 (meters) COMP
AJ1878 LAPLACE CORR- 0.41 (seconds) DEFLEC09
AJ1878 ELLIP HEIGHT- 147.599 (meters) (02/10/07) ADJUSTED
AJ1878 GEOID HEIGHT- -35.01 (meters) GEOID09
AJ1878
AJ1878 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
AJ1878 Type PID Designation North East Ellip
AJ1878 -----
AJ1878 NETWORK AJ1878 LFRS LOWER FRANKLIN RES GRM 0.00 0.00 0.00
AJ1878 -----
AJ1878
AJ1878. ITRF positions are available for this station.
AJ1878. The horizontal coordinates were established by GPS observations
AJ1878. and adjusted by the National Geodetic Survey in February 2007.
AJ1878
AJ1878. The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
AJ1878. See www.ngs.noaa.gov/NationalReadjustment for more information.
AJ1878. The horizontal coordinates are valid at the epoch date displayed
above.
AJ1878. The epoch date for horizontal control is a decimal equivalence
AJ1878. of Year/Month/Day.
AJ1878
AJ1878. The orthometric height was determined by GPS observations and a
AJ1878. high-resolution geoid model.
AJ1878
AJ1878. The X, Y, and Z were computed from the position and the ellipsoidal
ht.
AJ1878
AJ1878. The Laplace correction was computed from DEFLEC09 derived
deflections.
AJ1878
AJ1878. The ellipsoidal height was determined by GPS observations
AJ1878. and is referenced to NAD 83.
AJ1878
AJ1878. The geoid height was determined by GEOID09.
AJ1878
  
```

AJ1878;	North	East	Units	Scale	Factor
Converg.					
AJ1878;SPC CA 5	- 566,086.465	1,961,905.645	MT	0.99998720	-0 14
07.1					
AJ1878;SPC CA 5	- 1,857,235.34	6,436,685.44	sFT	0.99998720	-0 14
07.1					
AJ1878;UTM 11	- 3,773,597.698	369,670.511	MT	0.99980938	-0 47
31.5					
AJ1878					
AJ1878!	- Elev Factor	x Scale Factor	=	Combined Factor	
AJ1878!SPC CA 5	- 0.99997683	x 0.99998720	=	0.99996403	
AJ1878!UTM 11	- 0.99997683	x 0.99980938	=	0.99978621	
AJ1878					
AJ1878	SUPERSEDED SURVEY CONTROL				
AJ1878					
AJ1878	NAD 83(1998)- 34 05 42.23334(N)	118 24 46.11425(W)	AD(2000.35)	A	
AJ1878	ELLIP H (04/03/01) 147.615 (m)		GP(2000.35)	1	

1
AJ1878
AJ1878.Superseded values are not recommended for survey control.
AJ1878.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AJ1878.See file dsdata.txt to determine how the superseded data were derived.

AJ1878
AJ1878_U.S. NATIONAL GRID SPATIAL ADDRESS: 11SLT6967073597(NAD 83)
AJ1878_MARKER: Z = SEE DESCRIPTION
AJ1878_SETTING: 0 = UNSPECIFIED SETTING
AJ1878_MARK LOGO: NONE
AJ1878_MAGNETIC: N = NO MAGNETIC MATERIAL
AJ1878_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD
AJ1878+STABILITY: POSITION/ELEVATION WELL
AJ1878_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AJ1878+SATELLITE: SATELLITE OBSERVATIONS - 2001

AJ1878	HISTORY	- Date	Condition	Report By
AJ1878	HISTORY	- 2001	MONUMENTED	NGS

AJ1878
AJ1878 STATION DESCRIPTION
AJ1878
AJ1878'DESCRIBED BY NATIONAL GEODETIC SURVEY 2001
AJ1878'THIS IS A CALIFORNIA CORS.
AJ1878'THESE COORDINATES ARE FOR THE GEODETIC REFERENCE MARK OF A
AJ1878'CALIFORNIA CORS. INFORMATION ABOUT THE GRM, ANTENNA TYPE
AJ1878'AND ANTENNA HEIGHT CAN BE FOUND AT THE SOPAC WEBSITE:
AJ1878'HTTP://SOPAC.UCSD.EDU/SCRIPTS/SIMPL.CGI

*** retrieval complete.
Elapsed Time = 00:00:00

The NGS Data Sheet

DATABASE = , PROGRAM = datasheet, VERSION = 7.85
 1 National Geodetic Survey, Retrieval Date = SEPTEMBER 28, 2010
 AI4475

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AI4475 DESIGNATION - UCLP UCLA CORS GRM
AI4475 PID - AI4475
AI4475 STATE/COUNTY- CA/LOS ANGELES
AI4475 USGS QUAD - BEVERLY HILLS (1995)
AI4475
AI4475 *CURRENT SURVEY CONTROL
AI4475
AI4475* NAD 83(2007)- 34 04 08.82200(N) 118 26 30.82494(W) ADJUSTED
AI4475* NAVD 88 - 147.5 (meters) 484. (feet) GPS OBS
AI4475
AI4475 EPOCH DATE - 2007.00
AI4475 X - -2,519,006.471 (meters) COMP
AI4475 Y - -4,650,673.659 (meters) COMP
AI4475 Z - 3,552,862.828 (meters) COMP
AI4475 LAPLACE CORR- -0.14 (seconds) DEFLEC09
AI4475 ELLIP HEIGHT- 112.243 (meters) (02/10/07) ADJUSTED
AI4475 GEOID HEIGHT- -35.24 (meters) GEOID09
AI4475
AI4475 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
AI4475 Type PID Designation North East Ellip
AI4475 -----
AI4475 NETWORK AI4475 UCLP UCLA CORS GRM 0.00 0.00 0.00
AI4475 -----
  
```

AI4475. ITRF positions are available for this station.

AI4475. The horizontal coordinates were established by GPS observations
 AI4475. and adjusted by the National Geodetic Survey in February 2007.
 AI4475

AI4475. The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AI4475. See www.ngs.noaa.gov/NationalReadjustment for more information.

AI4475. The horizontal coordinates are valid at the epoch date displayed
 above.

AI4475. The epoch date for horizontal control is a decimal equivalence
 AI4475. of Year/Month/Day.

AI4475

AI4475. The orthometric height was determined by GPS observations and a
 AI4475. high-resolution geoid model.

AI4475

AI4475. The X, Y, and Z were computed from the position and the ellipsoidal
 ht.

AI4475

AI4475. The Laplace correction was computed from DEFLEC09 derived
 deflections.

AI4475

AI4475. The ellipsoidal height was determined by GPS observations
 AI4475. and is referenced to NAD 83.

AI4475

AI4475. The geoid height was determined by GEOID09.

AI4475

EXHIBIT B

SCHEDULE OF PAYMENT AND RATES

I. COMPENSATION/RATES

- A. CITY shall compensate CONSULTANT for the satisfactory completion of services required by the Agreement in an amount not to exceed One Hundred Ninety-Nine Thousand, Nine Hundred Fifty Dollars (\$199,950) for professional fees based on the hourly rates set forth in Attachment 1 to this Exhibit. This sum includes reimbursable expenses in an amount not to exceed Five Thousand Dollars (\$5,000) for record drawing expenses, such as purchasing maps and records from Los Angeles County, and Caltrans, plotting, printing, deliveries, and mileage for project manager travel.
- B. A Contingency Fee in an amount not to exceed Four Thousand Fifty Dollars (\$4,050.00) is for unanticipated services outside the Scope of Work set forth in Exhibit A.
- C. Total of services, including professional fees, reimbursable expenses and contingency shall not exceed Two Hundred Thousand Dollars (\$200,000).

II. SCHEDULE OF PAYMENT

CONSULTANT shall submit an itemized invoice to CITY upon completion of each Task described in Exhibit A. CITY shall pay CONSULTANT the amount of such billing within thirty (30) days of receipt of it.

Santa Monica Boulevard Right of Way and Design Survey Proposal
Fee Schedule



	Principal-In-Charge	Project Manager	Principal Survey Analyst	Survey Analyst	Field Coordinator	3-Person Survey Crew	Drafting	Lump Sum Item	Total Hours	Fee Per Task
<i>Hourly Rates</i>	\$175	\$160	\$150	\$105	\$130	\$235	\$88			
Meetings and Coordination	8	80	0	0	0	0	0	0	88	\$14,200
Title Report Review and Utility Research	0	10	20	80	0	0	0	0	110	\$13,000
Boundary Survey and Analysis	4	20	40	80	10	40	0	0	194	\$29,000
Aerial Mapping	0	0	0	0	0	0	0	\$25,000	0	\$25,000
HDS Survey (Laser Scan)	0	0	0	0	0	0	0	\$17,600	0	\$17,600
Conventional Design Survey and Processing	2	5	10	40	15	160	0	0	232	\$46,400
HDS Survey Processing (Laser Scan)	0	0	0	0	40	0	200	0	240	\$22,800
Final Deliverable	10	0	10	20	0	0	100	0	140	\$14,150
Final Report	0	10	20	40	0	0	0	0	70	\$8,800
Reimbursables (Budgetary)	0	0	0	0	0	0	0	\$5,000	0	\$5,000

Subtotal \$195,950

Total \$195,950

ATTACHMENT 1 TO EXHIBIT B



CERTIFICATE OF INSURANCE

This is to certify that the following endorsement is part of the policy(ies) described below:

NAMED INSURED

COMPANIES AFFORDING COVERAGE

A.
B.
C.

ADDRESS

COMPANY (A. B. C.)	COVERAGE	POLICY NUMBER	EXPIRATION DATE	B.I.	LIMITS P.D.	AGGREGATE
	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS <input type="checkbox"/> BLANKET CONTRACTUAL <input type="checkbox"/> CONTRACTOR'S PROTECTIVE <input type="checkbox"/> PERSONAL INJURY <input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> WORKERS' COMPENSATION <input type="checkbox"/>					

It is hereby understood and agreed that the City of Beverly Hills, its City Council and each member thereof and every officer and employee of the City shall be named as joint and several assureds with respect to claims arising out of the following project or agreement:

It is further agreed that the following indemnity agreement between the City of Beverly Hills and the named insured is covered under the policy: Contractor agrees to indemnify, hold harmless and defend City, its City Council and each member thereof and every officer and employee of City from any and all liability or financial loss resulting from any suits, claims, losses or actions brought against and from all costs and expenses of litigation brought against City, its City Council and each member thereof and any officer or employee of City which results directly or indirectly from the wrongful or negligent actions of contractor's officers, employees, agents or others employed by Contractor while engaged by Contractor in the (performance of this agreement) construction of this project.

It is further agreed that the inclusion of more than one assured shall not operate to increase the limit of the company's liability and that insurer waives any right of contribution with insurance which may be available to the City of Beverly Hills.

In the event of cancellation or material change in the above coverage, the company will give 30 days written notice of cancellation or material change to the certificate holder.

Except to certify that the policy(ies) described above have the above endorsement attached, this certificate or verification of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate or verification of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

DATE: _____

BY: _____
Authorized Insurance Representative

AGENCY: _____

TITLE: _____
 ADDRESS _____
 : _____

RM02.DOC REVISED 10/14/96.

EXHIBIT C



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/28/2010

PRODUCER license number: OA99520 Cavnignac & Associates 450 B Street, Suite 1800 San Diego, CA 92101-8005 (619) 234-6848 phone (619) 234-8601 fax certificates@cavnignac.com	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Rick Engineering Company 5620 Friars Road San Diego, CA 92110 United States	A: TRAVELERS IND CO OF CT	25682
	B: TRAVELERS PROP CAS CO OF AMER	25674
	C: WAUSAU UNDERWRITERS INS CO	26042
	D: XL SPECIALTY INS CO	37885

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
B	X		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability <input checked="" type="checkbox"/> Separation of Insureds GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	6807292L337	1/1/2010	1/1/2011	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
							Deductible	0
A	X		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	BA7276L522	1/1/2010	1/1/2011	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
			GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
							OTHER THAN AUTO ONLY: EA ACC	\$
							AGG	\$
B			EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$0	CUP8109Y669	1/1/2010	1/1/2011	EACH OCCURRENCE	\$ 5,000,000
							AGGREGATE	\$ 5,000,000
								\$
								\$
								\$
C			WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below	WCJZ91448020010	1/1/2010	1/1/2011	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTH-ER
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D			OTHER Professional Liability	DPR9688370	8/15/2010	8/15/2011	Each Claim	\$3,000,000
							Aggregate	\$8,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Re: Santa Monica Blvd. Topo Survey. Additional Insured coverage applies to General and Automobile Liability for City of Beverly Hills, its City Council and every officer, agent and employee of the City per policy form. Waiver of subrogation applies to General and Automobile Liability and Workers Compensation per policy form. Prof. Liab. - Claims made, defense costs included within limit.

CERTIFICATE HOLDER

City of Beverly Hills
 455 N. Rexford Drive
 City Clerk's Office, Room 290
 Beverly Hills, CA 90210
 United States

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 * DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.
 * 10 DAYS NOC FOR NON-PAYMENT OF PREMIUM.

AUTHORIZED REPRESENTATIVE
 Jeff Cavnignac