

Item #8-4c

**City of Carson City
Agenda Report**

Date Submitted: October 16, 2009

Agenda Date Requested: November 5, 2009

Time Requested: Consent

To: Mayor and Supervisors

From: Purchasing & Contracts

Subject Title: Action to determine that Contract No. 0910-111 is a contract for the services of a professional engineer, that the selection was made on the basis of the competence and qualifications of the engineer for the type of services to be performed and not on the basis of competitive fees; and therefore not suitable for public bidding pursuant to NRS 625.530; and to approve Contract No. 0910-111 with Manhard Consulting Ltd. to provide Engineering Services to establish a uniform control network with readily available control points/benchmarks for Carson City through October 30, 2010, for a not to exceed cost of \$127,571.00 to be funded from various Public Works accounts as provided in FY 2009/2010. *(Sandy Scott)*

Staff Summary: This Contract provides Carson City with the ability to have an established uniform control network that will, in the future be required to be used for all mapping and surveying projects undertaken within the Carson City Urban area. This project will eliminate conflicting datum information used on the various surveying/mapping projects conducted by both public and private organizations within Carson City.

Type of Action Requested: (check one)

☐ Resolution

☐ Ordinance

☒ Formal Action/Motion

☐ Other (Specify)

Does This Action Require A Business Impact Statement: ☐ Yes ☒ No

Recommended Board Action: I move to determine that Contract No. 0910-111 is a contract for the services of a professional engineer, that the selection was made on the basis of the competence and qualifications of the engineer for the type of services to be performed and not on the basis of competitive fees; and therefore not suitable for public bidding pursuant to NRS 625.530; and to approve Contract No. 0910-111 with Manhard Consulting Ltd. to provide Engineering Services to establish a uniform control network with readily available control points/benchmarks for Carson City through October 30, 2010, for a not to exceed cost of \$127,571.00 to be funded from various Public Works accounts as provided in FY 2009/2010. *(Sandy Scott)*

Explanation for Recommended Board Action: This is a professional services contract and consultant was selected using this guidelines of NRS as indicated below. Although not required by law, a Statement of Qualification process was used to select this consultant.

Applicable Statute, Code, Policy, Rule or Regulation: Architects, Engineers and Surveyors are considered professional services contracts pursuant to the requirements of NRS 332 and 625 therefore, a formal bidding process is not required.

Fiscal Impact: \$127,571.00.

Funding Source: Account numbers 520-3502-435-0309 - \$15,000; 256-3038-431-0309 - \$15,000; 101-6504-441-0309 - \$10,000; 101-3012-430-0309 - \$12,000; 101-0715-419-0309 - \$2,000; 250-3035-431-0309 - \$15,000; 225-3026-430-0309 - \$7,000; 505-3702-437-0309 - \$14,000 and 520-3505-435-7861 - \$37,571 as provided in FY 2009/2010.

Alternatives: Provide other direction pursuant to Board Action

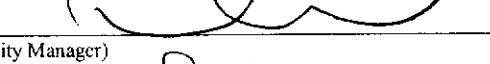
Supporting Material: Contract No. 0910-111, Exhibit A and Control Point Location Map.

Prepared By: Sandy Scott, Purchasing and Contracts Coordinator

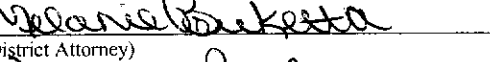
Reviewed By:


(Public Works)

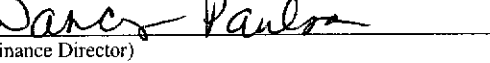
Date: 10-27-09


(City Manager)

Date: 10-27-09


(District Attorney)

Date: 10-27-09


(Finance Director)

Date: 10/27/09

Board Action Taken:

Motion: _____

1) _____

Aye/Nay

2) _____

(Vote Recorded By)

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
PROJECTS (Architects, Engineers, and Land Surveyor's)
Contract No. 0910-111
Carson City Control Network Project**

THIS CONTRACT, made and entered into this 5th day of November, 2009, by and between the City and County of Carson City, a political subdivision of the State of Nevada, hereinafter referred to as the "**CITY**", and Manhard Consulting Ltd. hereinafter referred to as the "**CONSULTANT**".

W I T N E S S E T H :

WHEREAS, the Purchasing & Contracts Coordinator for the City and County of Carson City is authorized, pursuant to Nevada Revised Statutes Chapter 332 and Carson City Purchasing Resolution #1990-R71, to approve and accept this Contract as set forth in and by the following provisions; and

WHEREAS, it is deemed that the services of **CONSULTANT** for **CONTRACT No. 0910-111, Carson City Control Network Project** are both necessary and in the best interests of **CITY**; and

NOW, THEREFORE, in consideration of the aforesaid premises, the parties mutually agree as follows:

1 REQUIRED APPROVAL:

1.1 This Contract shall not become effective until and unless approved by the Carson City Board of Supervisors.

2 CONTRACT TERM:

2.1 This Contract shall be effective from November 5, 2009 subject to Carson City Board of Supervisors' approval (anticipated to be November 5, 2009) to November 5, 2010, unless sooner terminated by either party as specified in **Section 7 Contract Termination**.

3 NOTICE:

3.1 Unless otherwise specified, termination shall not be effective until thirty (30) calendar days after a party has served written notice of default, or without cause upon the other party. All notices or other communications required or permitted to be given under this Contract shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by e-mail with simultaneous regular mail, by telephonic facsimile with simultaneous regular mail, or by certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address specified below.

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For P&C Use Only

CCBL expires	_____
GL expires	_____
AL expires	_____
PL expires	_____
WC expires	_____

3.1.1 Notice to **CONSULTANT** shall be addressed to:

Kenneth L. Dorr, P.E.
Manhard Consulting Ltd.
3476 Executive Pointe Way, Suite 12
Carson City, Nevada 89706
(775) 882-5630/(775) 885-7282
kdorr@manhard.com

3.1.2 Notice to **CITY** shall be addressed to:

Carson City Purchasing and Contracts
Sandy Scott, Purchasing and Contracts Coordinator
201 North Carson Street Suite 3
Carson City, NV 89701
775-887-2133 extension 30137 / FAX 775-887-2107
SScott@ci.carson-city.nv.us

4 SCOPE OF WORK:

4.1 **CONSULTANT** shall provide and perform the following services set forth in Exhibit A attached hereto and incorporated herein by reference for and on behalf of **CITY** hereinafter referred to as the "**SERVICES**".

4.2 **CONSULTANT** represents that it is duly licensed by Carson City for the purposes of performing the **SERVICES**.

4.3 **CONSULTANT** represents that it is duly qualified and licensed in the State of Nevada for the purposes of performing the **SERVICES**.

4.4 **CONSULTANT** represents that it and/or the persons it may employ possess all skills and training necessary to perform the **SERVICES** described herein and required hereunder. **CONSULTANT** shall perform the **SERVICES** faithfully, diligently, in a timely and professional manner, to the best of its ability, and in such a manner as is customarily performed by a person who is in the business of providing such services in similar circumstances. **CONSULTANT** shall be responsible for the professional quality and technical accuracy of all **SERVICES** furnished by **CONSULTANT** to **CITY**.

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4.5 **CONSULTANT** represents that neither the execution of this Contract nor the rendering of services by **CONSULTANT** hereunder will violate the provisions of or constitute a default under any other contract or agreement to which **CONSULTANT** is a party or by which **CONSULTANT** is bound, or which would preclude **CONSULTANT** from performing the **SERVICES** required of **CONSULTANT** hereunder, or which would impose any liability or obligation upon **CITY** for accepting such **SERVICES**.

4.6 Before commencing with the performance of any work under this Contract, **CONSULTANT** shall obtain all necessary permits and licenses as may be necessary. Before and during the progress of work under this Contract, **CONSULTANT** shall give all notice and comply with all the laws, ordinances, rules and regulations of every kind and nature now or hereafter in effect promulgated by any Federal, State, County, or other Governmental Authority, relating to the performance of work under this Contract. If **CONSULTANT** performs any work that is contrary to any such law, ordinance, rule or regulation, he shall bear all the costs arising therefrom.

4.7 **Special Terms and Conditions for Engineers, Architects, and Land Surveyors:**

4.7.1 Use of **CONSULTANT'S** Drawings, Specifications & Other Documents:

4.7.1.1 The drawing, specifications and other documents prepared by **CONSULTANT** for this Contract are instruments of **CONSULTANT'S** service for use solely with respect to this Contract and, unless otherwise provided, **CONSULTANT** shall be deemed the author of these documents and shall retain all common law statutory and other reserved rights, including the copyright.

4.7.1.2 **CITY** shall be permitted to retain copies, including reproducible copies, of **CONSULTANT'S** drawings, specifications, and other documents for information and reference in connection with this Contract.

4.7.1.3 **CONSULTANT'S** drawings, specifications and other documents shall not be used by **CITY** or others without expressed permission of **CONSULTANT**.

4.7.2 Cost Accounting and Audits:

4.7.2.1 If required by **CITY**, **CONSULTANT** agrees to make available to **CITY** within two (2) years after the completion of the **SERVICES** under this Contract, such books, records, receipts, vouchers, or other data as may be deemed necessary by **CITY** to enable it to arrive at appropriate cost figures for the purpose of establishing depreciation rates for the various materials and other elements which may have been incorporated into the **SERVICES** performed under this Contract.

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4.8 CITY Responsibilities:

4.8.1 CITY shall make available to **CONSULTANT** all technical data that is in **CITY'S** possession, reasonably required by **CONSULTANT** relating to the **SERVICES**.

4.8.2 CITY shall provide access to and make all provisions for **CONSULTANT** to enter upon public and private lands, to the fullest extent permitted by law, as reasonably required for **CONSULTANT** to perform the **SERVICES**.

4.8.3 CITY shall examine all reports, correspondence, and other documents presented by **CONSULTANT** upon request of **CITY**, and render, in writing, decisions pertaining thereto within a reasonable time so as not to delay the work of **CONSULTANT**.

4.8.4 It is expressly understood and agreed that all work done by **CONSULTANT** shall be subject to inspection and acceptance by **CITY** and approval of **SERVICES** shall not forfeit the right of **CITY** to require correction, and nothing contained herein shall relieve **CONSULTANT** of the responsibility of the **SERVICES** required under the terms of this Contract until all **SERVICES** have been completed and accepted by **CITY**.

5 CONSIDERATION:

5.1 The parties agree that **CONSULTANT** will provide the **SERVICES** specified in **Section 4 Scope of Work** and **CITY** agrees to pay **CONSULTANT** the **CONTRACT SUM** based upon time & materials and the attached fee schedule for a not to exceed maximum amount of One Hundred Twenty Seven Thousand, Five Hundred Seventy One Dollars and No Cents (\$127,571.00).

5.2 **CONTRACT SUM** represents full and adequate compensation for the completed **WORK**, and includes the furnishing of all materials; all labor, equipment, tools, and appliances; and all expenses, direct or indirect, connected with the proper execution of the **WORK**.

5.3 **CITY** has provided a sample invoice and **CONSULTANT** shall submit its request for payment using said sample invoice.

5.4 Payment by **CITY** for the **SERVICES** rendered by **CONSULTANT** shall be due within thirty (30) calendar days from the date **CITY** acknowledges that the performance meets the requirements of this Contract or from the date the correct, complete, and descriptive invoice is received by **CITY** employee designated on the sample invoice, whichever is the latter date.

5.5 **CITY** does not agree to reimburse **CONSULTANT** for expenses unless otherwise specified.

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6 TIMELINESS OF BILLING SUBMISSION:

6.1 The parties agree that timeliness of billing is of the essence to this Contract and recognize that **CITY** is on a fiscal year which is defined as the period beginning July 1 and ending June 30 of the following year. All billings for dates of service prior to July 1 must be submitted to **CITY** no later than the first Friday in August of the same year. A billing submitted after the first Friday in August will subject **CONSULTANT** to an administrative fee not to exceed \$100.00. The parties hereby agree this is a reasonable estimate of the additional costs to **CITY** of processing the billing as a stale claim and that this amount will be deducted from the stale claim payment due to **CONSULTANT**.

7 CONTRACT TERMINATION:

7.1 Termination Without Cause:

7.1.1 Any discretionary or vested right of renewal notwithstanding, this Contract may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.

7.2 Termination for Nonappropriation:

7.2.1 The continuation of this Contract beyond June 30, 2010 is subject to and contingent upon sufficient funds being appropriated, budgeted, and otherwise made available by the Carson City Board of Supervisors. **CITY** may terminate this Contract, and **CONSULTANT** waives any and all claim(s) for damages, effective immediately upon receipt of written notice (or any date specified therein) if for any reason the funding is not appropriated or is withdrawn, limited, or impaired.

7.3 Cause Termination for Default or Breach:

7.3.1 A default or breach may be declared with or without termination.

7.3.2 This Contract may be terminated by either party upon written notice of default or breach to the other party as follows:

7.3.2.1 If **CONSULTANT** fails to provide or satisfactorily perform any of the conditions, work, deliverables, goods, or services called for by this Contract within the time requirements specified in this Contract or within any granted extension of those time requirements; or

7.3.2.2 If any state, county, city or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by **CONSULTANT**

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to provide the goods or services required by this Contract is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or

7.3.2.3 If **CONSULTANT** becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or

7.3.2.4 If **CITY** materially breaches any material duty under this Contract and any such breach impairs **CONSULTANT'S** ability to perform; or

7.3.2.5 If it is found by **CITY** that any quid pro quo or gratuities in the form of money, services, entertainment, gifts, or otherwise were offered or given by **CONSULTANT**, or any agent or representative of **CONSULTANT**, to any officer or employee of **CITY** with a view toward securing a contract or securing favorable treatment with respect to awarding, extending, amending, or making any determination with respect to the performing of such contract; or

7.3.2.6 If it is found by **CITY** that **CONSULTANT** has failed to disclose any material conflict of interest relative to the performance of this Contract.

7.4 Time to Correct:

7.4.1 Termination upon a declared default or breach may be exercised only after service of formal written notice as specified in **Section 3 Notice**, and the subsequent failure of the defaulting party within fifteen (15) calendar days of that notice to provide evidence, satisfactory to the aggrieved party, showing that the declared default or breach has been corrected.

7.5 Winding Up Affairs Upon Termination:

7.5.1 In the event of termination of this Contract for any reason, the parties agree that the provisions of this paragraph survive termination:

7.5.1.1 The parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this Contract. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination;

7.5.1.2 **CONSULTANT** shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by **CITY**;

7.5.1.3 **CONSULTANT** shall execute any documents and take any actions necessary to effectuate an assignment of this Contract if so requested by **CITY**;

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7.5.1.4 **CONSULTANT** shall preserve, protect, and promptly deliver into **CITY** possession all proprietary information in accordance with **Section 23 City Ownership of Proprietary Information**.

8 REMEDIES:

8.1 Except as otherwise provided for by law or this Contract, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including, without limitation, actual damages, and to a prevailing party reasonable attorneys' fees and costs. The parties agree that, in the event a lawsuit is filed and a party is awarded attorney's fees by the court, for any reason, the amount of recoverable attorney's fees shall not exceed the rate of \$125 per hour. **CITY** may set off consideration against any unpaid obligation of **CONSULTANT** to **CITY**.

9 LIMITED LIABILITY:

9.1 **CITY** will not waive and intends to assert available Nevada Revised Statutes Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to punitive damages. Liquidated damages shall not apply unless otherwise specified in the incorporated attachments. Damages for any **CITY** breach shall never exceed the amount of funds appropriated for payment under this Contract, but not yet paid to **CONSULTANT**, for the fiscal year budget in existence at the time of the breach. **CONSULTANT'S** tort liability shall not be limited.

10 FORCE MAJEURE:

10.1 Neither party shall be deemed to be in violation of this Contract if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, act of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds, or storms. In such an event the intervening cause must not be through the fault of the party asserting such an excuse, and the excused party is obligated to promptly perform in accordance with the terms of this Contract after the intervening cause ceases.

11 INDEMNIFICATION:

11.1 As required by AB 483, and NRS 338.155, **CONSULTANT** shall defend, indemnify and hold harmless the **CITY**, and the employees, officers and agents of the public body from any liabilities, damages, losses, claims, actions or proceedings, including without limitation, reasonable attorneys' fees, to the extent that such liabilities, damages, losses, claims, actions or proceedings are caused by the negligence, errors, omissions, recklessness or intentional

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misconduct of the **CONSULTANT** or the employees or agents of the **CONSULTANT** in the performance of the contract. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of the indemnity which would otherwise exist as to any party or person described in this paragraph.

11.2 Except as otherwise provided in Subsection 11.4 below, the indemnifying party shall not be obligated to provide a legal defense to the indemnified party, nor reimburse the indemnified party for the same, for any period occurring before the indemnified party provides written notice of the pending claim(s) or cause(s) of action to the indemnifying party, along with:

11.2.1 a written request for a legal defense for such pending claim(s) or cause(s) of action; and

11.2.2 a detailed explanation of the basis upon which the indemnified party believes that the claim or cause of action asserted against the indemnified party implicates the culpable conduct of the indemnifying party, its officers, employees, and/or agents.

11.3 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall not be obligated to fund or reimburse any fees or costs provided by any additional counsel for the indemnified party, including counsel through which the indemnified party might voluntarily choose to participate in its defense of the same matter.

11.4 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall be obligated to reimburse the reasonable attorney's fees and costs incurred by the indemnified party during the initial thirty (30) day period of the claim or cause of action, if any, incurred by separate counsel.

12 INDEPENDENT CONTRACTOR:

12.1 An independent contractor is a natural person, firm or corporation who agrees to perform services for a fixed price according to his or its own methods and without subjection to the supervision or control of the other contracting party, except as to the results of the work, and not as to the means by which the services are accomplished.

12.2 It is mutually agreed that **CONSULTANT** is associated with **CITY** only for the purposes and to the extent specified in this Contract, and in respect to performance of the contracted services pursuant to this Contract. **CONSULTANT** is and shall be an independent contractor and, subject only to the terms of this Contract, shall have the sole right to supervise, manage, operate, control, and direct performance of the details incident to its duties under this Contract.

12.3 Nothing contained in this Contract shall be deemed or construed to create a partnership or joint venture, to create relationships of an employer-employee or principal-agent, or to

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otherwise create any liability for **CITY** whatsoever with respect to the indebtedness, liabilities, and obligations of **CONSULTANT** or any other party.

12.4 **CONSULTANT** shall indemnify and hold **CITY** harmless from, and defend **CITY** against, any and all losses, damages, claims, costs, penalties, liabilities, expenses arising out of or incurred in any way because of, but not limited to, **CONSULTANT'S** obligations or legal duties regarding any taxes, fees, assessments, benefits, entitlements, notice of benefits, employee's eligibility to work, to any third party, subcontractor, employee, state, local or federal governmental entity.

12.5 Neither **CONSULTANT** nor its employees, agents, or representatives shall be considered employees, agents, or representatives of **CITY**.

13 INSURANCE REQUIREMENTS:

13.1 **CONSULTANT**, as an independent contractor and not an employee of **CITY**, must carry policies of insurance in amounts specified and pay all taxes and fees incident hereunto. **CITY** shall have no liability except as specifically provided in this Contract.

13.2 **CONSULTANT** shall not commence work before: (1) **CONSULTANT** has provided the required evidence of insurance to Carson City Purchasing & Contracts, and (2) **CITY** has approved the insurance policies provided by **CONSULTANT**.

13.3 Prior approval of the insurance policies by **CITY** shall be a condition precedent to any payment of consideration under this Contract and **CITY'S** approval of any changes to insurance coverage during the course of performance shall constitute an ongoing condition subsequent this Contract. Any failure of **CITY** to timely approve shall not constitute a waiver of the condition.

13.4 Insurance Coverage:

13.4.1 **CONSULTANT** shall, at **CONSULTANT'S** sole expense, procure, maintain and keep in force for the duration of this Contract the following insurance conforming to the minimum requirements specified below. Unless specifically specified herein or otherwise agreed to by **CITY**, the required insurance shall be in effect prior to the commencement of work by **CONSULTANT** and shall continue in force as appropriate until the latter of:

13.4.1.1 Final acceptance by **CITY** of the completion of this Contract; or

13.4.1.2 Such time as the insurance is no longer required by **CITY** under the terms of this Contract.

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13.4.2 Any insurance or self-insurance available to **CITY** shall be in excess of and non-contributing with any insurance required from **CONSULTANT**. **CONSULTANT'S** insurance policies shall apply on a primary basis. Until such time as the insurance is no longer required by **CITY**, **CONSULTANT** shall provide **CITY** with renewal or replacement evidence of insurance no less than thirty (30) calendar days before the expiration or replacement of the required insurance. If at any time during the period when insurance is required by this Contract, an insurer or surety shall fail to comply with the requirements of this Contract, as soon as **CONSULTANT** has knowledge of any such failure, **CONSULTANT** shall immediately notify **CITY** and immediately replace such insurance or bond with an insurer meeting the requirements.

13.5 General Requirements:

13.5.1 **Certificate Holder:** Each liability insurance policy shall list Carson City c/o Carson City Purchasing & Contracts, 201 N. Carson Street Suite 11, Carson City, NV 89701 as a certificate holder.

13.5.2 **Additional Insured:** By endorsement to the general liability insurance policy evidenced by **CONSULTANT**, The City and County of Carson City, Nevada, its officers, employees and immune contractors shall be named as additional insureds for all liability arising from this Contract.

13.5.3 **Waiver of Subrogation:** Each liability insurance policy shall provide for a waiver of subrogation as to additional insureds.

13.5.4 **Cross-Liability:** All required liability policies shall provide cross-liability coverage as would be achieved under the standard ISO separation of insureds clause.

13.5.5 **Deductibles and Self-Insured Retentions:** Insurance maintained by **CONSULTANT** shall apply on a first dollar basis without application of a deductible or self-insured retention unless otherwise specifically agreed to by **CITY**. Such approval shall not relieve **CONSULTANT** from the obligation to pay any deductible or self-insured retention. Any deductible or self-insured retention shall not exceed \$5,000 per occurrence, unless otherwise approved by **CITY**.

13.5.6 **Policy Cancellation:** Except for ten (10) calendar days notice for non-payment of premium, each insurance policy shall be endorsed to state that; without thirty (30) calendar days prior written notice to Carson City Purchasing & Contracts, the policy shall not be canceled, non-renewed or coverage and /or limits reduced or materially altered, and shall provide that notices required by this paragraph shall be sent by certified mail to Carson City Purchasing & Contracts, 201 N. Carson Street Suite 11, Carson City, NV 89701.

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13.5.7 **Approved Insurer:** Each insurance policy shall be issued by insurance companies authorized to do business in the State of Nevada or eligible surplus lines insurers acceptable to the State and having agents in Nevada upon whom service of process may be made, and currently rated by A.M. Best as "A-VII" or better.

13.5.8 **Evidence of Insurance:** Prior to commencement of work, **CONSULTANT** must provide the following documents to Carson City Purchasing & Contracts, 201 North Carson Street Suite 11, Carson City, NV 89701:

13.5.8.1 **Certificate of Insurance:** The Acord 25 Certificate of Insurance form or a form substantially similar must be submitted to Carson City Purchasing & Contracts to evidence the insurance policies and coverages required of **CONSULTANT**.

13.5.8.2 **Additional Insured Endorsement:** An Additional Insured Endorsement (CG20 10 or C20 26), signed by an authorized insurance company representative, must be submitted to Carson City Purchasing & Contracts to evidence the endorsement of **CITY** as an additional insured per Subsection 13.5.2.

13.5.8.3 **Schedule of Underlying Insurance Policies:** If Umbrella or Excess policy is evidenced to comply with minimum limits, a copy of the Underlyer Schedule from the Umbrella or Excess insurance policy may be required.

13.5.9 **Review and Approval:** Documents specified above must be submitted for review and approval by Carson City Purchasing & Contracts prior to the commencement of work by **CONSULTANT**. Neither approval by **CITY** nor failure to disapprove the insurance furnished by **CONSULTANT** shall relieve **CONSULTANT** of **CONSULTANT'S** full responsibility to provide the insurance required by this Contract. Compliance with the insurance requirements of this Contract shall not limit the liability of **CONSULTANT** or its sub-contractors, employees or agents to **CITY** or others, and shall be in addition to and not in lieu of any other remedy available to **CITY** under this Contract or otherwise. **CITY** reserves the right to request and review a copy of any required insurance policy or endorsement to assure compliance with these requirements.

14 COMMERCIAL GENERAL LIABILITY INSURANCE:

14.1 Minimum Limits required:

14.1.1 Two Million Dollars (\$2,000,000.00) - General Aggregate

14.1.2 Two Million Dollars (\$2,000,000.00) - Products & Completed Operations Aggregate

14.1.3 One Million Dollars (\$1,000,000.00) - Each Occurrence

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14.2 Coverage shall be on an occurrence basis and shall be at least as broad as ISO 1996 form CG 00 01 (or a substitute form providing equivalent coverage); and shall cover liability arising from premises, operations, independent contractors, completed operations, personal injury, products, civil lawsuits, Title VII actions and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

15 BUSINESS AUTOMOBILE LIABILITY INSURANCE:

15.1 Minimum Limit required:

15.1.1 One Million Dollars (\$1,000,000) per occurrence for bodily injury and property damage

15.2 Coverage shall be for "any auto", including owned, non-owned and hired vehicles. The policy shall be written on ISO form CA 00 01 or a substitute providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.

16 PROFESSIONAL LIABILITY INSURANCE:

16.1 Minimum Limit required: One Million Dollars (\$1,000,000.00)

16.2 Retroactive date: Prior to commencement of the performance of this Contract

16.3 Discovery period: Three (3) years after termination date of this Contract.

16.4 A certified copy of this policy may be required.

17 WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE:

17.1 **CONSULTANT** shall provide workers' compensation insurance as required by Nevada Revised Statutes Chapters 616A through 616D inclusive and Employer's Liability insurance with a minimum limit of \$500,000 each employee per accident for bodily injury by accident or disease.

17.2 **CONSULTANT** may, in lieu of furnishing a certificate of an insurer, provide an affidavit indicating that **CONSULTANT** is a sole proprietor; that **CONSULTANT** will not use the services of any employees in the performance of this Contract; that **CONSULTANT** has elected to not be included in the terms, conditions, and provisions of Nevada Revised Statutes Chapters 616A-616D, inclusive; and that **CONSULTANT** is otherwise in compliance with the terms, conditions, and provisions of Nevada Revised Statutes Chapters 616A-616D, inclusive.

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
PROJECTS (Architects, Engineers, and Land Surveyor's)
Contract No. 0910-111
Carson City Control Network Project**

18 BUSINESS LICENSE:

18.1 **CONSULTANT** shall not commence work before **CONSULTANT** has provided a copy of his Carson City business license to Carson City Purchasing & Contracts.

18.2 The Carson City business license shall continue in force until the latter of: (1) final acceptance by **CITY** of the completion of this Contract; or (2) such time as the Carson City business license is no longer required by **CITY** under the terms of this Contract.

19 COMPLIANCE WITH LEGAL OBLIGATIONS:

19.1 **CONSULTANT** shall procure and maintain for the duration of this Contract any state, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by **CONSULTANT** to provide the goods or services of this Contract. **CONSULTANT** will be responsible to pay all taxes, assessments, fees, premiums, permits, and licenses required by law. Real property and personal property taxes are the responsibility of **CONSULTANT** in accordance with Nevada Revised Statutes 361.157 and 361.159. **CONSULTANT** agrees to be responsible for payment of any such government obligations not paid by its subcontractors during performance of this Contract. **CITY** may set-off against consideration due any delinquent government obligation.

20 WAIVER OF BREACH:

20.1 Failure to declare a breach or the actual waiver of any particular breach of this Contract or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

21 SEVERABILITY:

21.1 If any provision contained in this Contract is held to be unenforceable by a court of law or equity, this Contract shall be construed as if such provision did not exist and the nonenforceability of such provision shall not be held to render any other provision or provisions of this Contract unenforceable.

22 ASSIGNMENT/DELEGATION:

22.1 To the extent that any assignment of any right under this Contract changes the duty of either party, increases the burden or risk involved, impairs the chances of obtaining the performance of this Contract, attempts to operate as a novation, or includes a waiver or abrogation of any defense to payment by **CITY**, such offending portion of the assignment shall be void, and shall be a breach of this Contract. **CONSULTANT** shall neither assign, transfer

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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nor delegate any rights, obligations or duties under this Contract without the prior written approval of **CITY**.

23 CITY OWNERSHIP OF PROPRIETARY INFORMATION:

23.1 Any files, reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer programs, computer codes, and computer records (which are intended to be consideration under this Contract), or any other documents or drawings, prepared or in the course of preparation by **CONSULTANT** (or its subcontractors) in performance of its obligations under this Contract shall be the exclusive property of **CITY** and all such materials shall be delivered into **CITY** possession by **CONSULTANT** upon completion, termination, or cancellation of this Contract. **CONSULTANT** shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of **CONSULTANT'S** obligations under this Contract without the prior written consent of **CITY**. Notwithstanding the foregoing, **CITY** shall have no proprietary interest in any materials licensed for use by **CITY** that are subject to patent, trademark or copyright protection.

23.2 **CITY** shall be permitted to retain copies, including reproducible copies, of **CONSULTANT'S** drawings, specifications, and other documents for information and reference in connection with this Contract.

23.3 **CONSULTANT'S** drawings, specifications and other documents shall not be used by **CITY** or others without expressed permission of **CONSULTANT**.

24 PUBLIC RECORDS:

24.1 Pursuant to Nevada Revised Statute 239.010, information or documents received from **CONSULTANT** may be open to public inspection and copying. **CITY** will have the duty to disclose unless a particular record is made confidential by law or a common law balancing of interests. **CONSULTANT** may clearly label specific parts of an individual document as a "trade secret" or "confidential" in accordance with Nevada Revised Statute 332.061, provided that **CONSULTANT** thereby agrees to indemnify and defend **CITY** for honoring such a designation. The failure to so label any document that is released by **CITY** shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

25 CONFIDENTIALITY:

25.1 **CONSULTANT** shall keep confidential all information, in whatever form, produced, prepared, observed or received by **CONSULTANT** to the extent that such information is confidential by law or otherwise required by this Contract.

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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26 FEDERAL FUNDING:

26.1 In the event federal funds are used for payment of all or part of this Contract:

26.1.1 **CONSULTANT** certifies, by signing this Contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. This certification is made pursuant to the regulations implementing Executive Order 12549, Debarment and Suspension, 28 C.F.R. pt. 67, § 67.510, as published as pt. VII of the May 26, 1988, Federal Register (pp. 19160-19211), and any relevant program-specific regulations. This provision shall be required of every subcontractor receiving any payment in whole or in part from federal funds.

26.1.2 **CONSULTANT** and its subcontractors shall comply with all terms, conditions, and requirements of the Americans with Disabilities Act of 1990 (P.L. 101-136), 42 U.S.C. 12101, as amended, and regulations adopted thereunder contained in 28 C.F.R. 26.101-36.999, inclusive, and any relevant program-specific regulations.

26.1.3 **CONSULTANT** and its subcontractors shall comply with the requirements of the Civil Rights Act of 1964, as amended, the Rehabilitation Act of 1973, P.L. 93-112, as amended, and any relevant program-specific regulations, and shall not discriminate against any employee or offeror for employment because of race, national origin, creed, color, sex, religion, age, disability or handicap condition (including AIDS and AIDS-related conditions).

27 LOBBYING:

27.1 The parties agree, whether expressly prohibited by federal law, or otherwise, that no funding associated with this Contract will be used for any purpose associated with or related to lobbying or influencing or attempting to lobby or influence for any purpose the following:

27.1.1 Any federal, state, county or local agency, legislature, commission, counsel or board;

27.1.2 Any federal, state, county or local legislator, commission member, counsel member, board member, or other elected official; or

27.1.3 Any officer or employee of any federal, state, county or local agency; legislature, commission, counsel or board.

28 GENERAL WARRANTY:

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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28.1 **CONSULTANT** warrants that all services, deliverables, and/or work product under this Contract shall be completed in a workmanlike manner consistent with standards in the trade, profession, or industry; shall conform to or exceed the specifications as set forth in the incorporated attachments; and shall be fit for ordinary use, of good quality, with no material defects.

29 **PROPER AUTHORITY:**

29.1 The parties hereto represent and warrant that the person executing this Contract on behalf of each party has full power and authority to enter into this Contract. **CONSULTANT** acknowledges that this Contract is effective only after approval by the Carson City Board of Supervisors and only for the period of time specified in this Contract. Any services performed by **CONSULTANT** before this Contract is effective or after it ceases to be effective are performed at the sole risk of **CONSULTANT**.

30 **ALTERNATIVE DISPUTE RESOLUTION:**

30.1 Pursuant to NRS 338.150, public body charged with the drafting of specifications for a public work shall include in the specifications a clause requiring the use of a method of alternative dispute resolution before initiation of a judicial action if a dispute arising between the public body and the contractor engaged on the public work cannot otherwise be settled. Therefore, in the event that a dispute arising between **CITY** and **CONTRACTOR** cannot otherwise be settled, **CITY** and **CONTRACTOR** agree that, before judicial action may be initiated, **CITY** and **CONTRACTOR** will submit the dispute to non-binding mediation. **CITY** shall present **CONTRACTOR** with a list of three potential mediators. **CONTRACTOR** shall select one person to serve as the mediator from the list of potential mediators presented by **CITY**. The person selected as mediator shall determine the rules governing the mediation.

31 **GOVERNING LAW; JURISDICTION:**

31.1 This Contract and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada, without giving effect to any principle of conflict-of-law that would require the application of the law of any other jurisdiction. **CONSULTANT** consents and agrees to the jurisdiction of the courts of the State of Nevada located in Carson City, Nevada for enforcement of this Contract.

32 **ENTIRE CONTRACT AND MODIFICATION:**

32.1 This Contract and its integrated attachment(s) constitute the entire Contract of the parties and such are intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other Contracts that may have been made in

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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connection with the subject matter hereof. Unless an integrated attachment to this Contract specifically displays a mutual intent to amend a particular part of this Contract, general conflicts in language between any such attachment and this Contract shall be construed consistent with the terms of this Contract. Unless otherwise expressly authorized by the terms of this Contract, no modification or amendment to this Contract shall be binding upon the parties unless the same is in writing and signed by the respective parties hereto and approved by the Carson City Board of Supervisors.

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
PROJECTS (Architects, Engineers, and Land Surveyor's)
Contract No. 0910-111
Carson City Control Network Project**

33 ACKNOWLEDGMENT AND EXECUTION:

33.1 In witness whereof, the parties hereto have caused this Contract to be signed and intend to be legally bound thereby.

CARSON CITY

Finance Director
Attn: Sandy Scott, Purchasing &
Contracts Management Assistant
201 North Carson Street Suite 11
Carson City, Nevada 89701
Telephone: 775-887-2133 ext. 30137
Fax: 775-887-2107
SScott@ci.carson-city.nv.us

By:  _____

SANDY SCOTT

DATED 10-27-09

CITY'S LEGAL COUNSEL

Neil A. Rombardo, District Attorney

I have reviewed this Contract and approve
as to its legal form.

By:  _____

Deputy District Attorney

DATED 10-27-09

CITY'S ORIGINATING DEPARTMENT

BY: Andy Burnham, Public Works Director
Public Works Department
3505 Butti Way
Carson City, NV 89701
Telephone: 775-887-2000 Ext. 30367
Fax: 775-887-2164
aburnham@ci.carson-city.nv.us

By:  _____

DATED 10-27-09

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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Kenneth L. Dorr, P.E. deposes and says: That he is the **CONSULTANT** or authorized agent of the **CONSULTANT**; that he has read the foregoing Contract; and that he understands the terms, conditions, and requirements thereof.

CONSULTANT

BY: Kenneth L. Dorr, P.E.

TITLE: Senior Project Manager

FIRM: Manhard Consulting Ltd.

CARSON CITY BUSINESS LICENSE #: 09-00025591

Address: 3476 Executive Pointe Way, Suite 12

City: Carson City **State:** Nevada **Zip Code:** 89706

Telephone: (775) 882-5630/ **Fax #:** (775) 885-7282

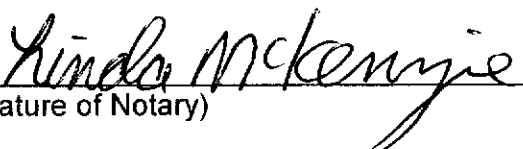
E-mail Address: kdorr@manhard.com


(Signature of **CONSULTANT**)

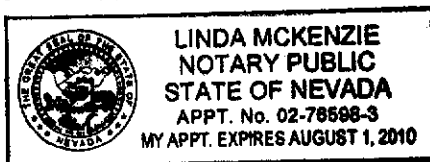
DATED 10-26-09

STATE OF Nevada)
County of Carson City) ss

Signed and sworn (or affirmed) before me on this 26 day of October, 2009, by Kenneth L. Dorr


(Signature of Notary)

(Notary Stamp)



**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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Contract No. 0910-111
Carson City Control Network Project**

SAMPLE INVOICE

Invoice Number: _____
Invoice Date: _____
Invoice Period: _____

Carson City Contract Number: 0910-???
Carson City Contract Name: Carson City Control Network Project

Vendor Number: _____
Manhard Consulting Ltd.
3476 Executive Pointe Way, Suite 12
Carson City, Nevada 89706

Invoice shall be submitted to:

Carson City Public Works
Attn: Karen White
3505 Butti Way
Carson City NV 89701

Line Item #	Description	Unit Cost	Units Completed	Total \$\$
Total for this invoice				

Original Contract Sum	\$	_____
Less amount previously billed	\$	_____
= contract sum prior to this invoice	\$	_____
Less this invoice	\$	_____
=Dollars remaining on Contract	\$	_____

ENCLOSE COPIES OF RECEIPTS & INVOICES FOR EXPENSES & OUTSIDE SERVICES

**PROFESSIONAL SERVICES AGREEMENT RELATED TO CONSTRUCTION
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Contract No. 0910-111
Carson City Control Network Project**

CONTRACT ACCEPTANCE AND EXECUTION:

The Board of Supervisors for Carson City, Nevada at their publicly noticed meeting of November 5th, 2009 approved the acceptance of **CONTRACT No. 0910-111**. Further, the Board of Supervisors authorizes the Mayor of Carson City, Nevada to set his hand to this document and record his signature for the execution of this contract in accordance with the action taken.

CARSON CITY, NEVADA

ROBERT L. CROWELL, MAYOR

DATED this 5th day of November, 2009.

ATTEST:

ALAN GLOVER, CLERK-RECORDER

DATED this 5th day of November, 2009.

EXHIBIT A



Civil Engineers
Surveyors
Water Resources Engineers
Water & Wastewater Engineers
Construction Managers
Environmental Scientists
Landscape Architects
Planners

September 9, 2009

Larry Werner, P.E., PLS - City Manager/Engineer
Carson City Executive Offices
201 North Carson Street #201
Carson City, Nevada 89701

Ref: **Carson City Control Network Modernization Project: Phase 2**
(Manhard Project # CCCNMP)

Dear Larry:

Manhard Consulting, LTD, (MCL) is pleased to submit this Proposal for Surveying Services in support of the proposed **Carson City Control Network Modernization Project: Phase 2**. This modernization project is required to establish a uniform control network with readily available control points/benchmarks that will, in the future, be required to be used for all mapping and surveying projects undertaken within the Carson City urban area. Currently, no such network exists which allows and essentially guarantees that conflicting datum information will be used on the various surveying/mapping projects conducted by private or public organizations within Carson City.

This proposed project Phase will establish a uniform set of horizontal and vertical benchmarks on the North American Horizontal Datum 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD88) within Carson City. Based on the results from our initial Phase 1 assessment, a minimum of one local NGS Vertical Benchmark located within Carson City will be utilized as the Basis of Elevation for the entire network. The final goal of this project is to provide a seamless citywide network of control points which will be used as the basis of all surveys and mapping efforts within the City, including FEMA Elevation Certifications, Hydrographic Studies and civil engineering designs occurring in the Capital City.

We propose to conduct the work for the **Carson City Control Network Modernization Project: Phase 2**, which will include the installation and field locations of new survey control monuments with coordinates, the development of a survey monument database, and a review of Carson City Municipal Codes and Standards as relating to surveying practices. We have provided a detailed description of the tasks included within Phase 2 of the project together with our Fee Estimate for this work (attached).

Manhard Consulting, Ltd.
3476 Executive Pointe Way, Suite 12 • Carson City, Nevada 89706
tel. (775) 882-5630 • fax (775) 885-7282 • www.manhard.com
ARIZONA • COLORADO • GEORGIA • ILLINOIS • INDIANA • NEVADA

Included with this proposal is a short description of the MCL Team that will be used for the project, a description of the principal components of the work and a Survey Fee Estimate. This information follows:

PROJECT TEAM

MCL will be providing all of the work under the direction of Senior Project Manager Ken Dorr. Ken will be responsible for the project management, team leadership and quality assurance required for this project. Ben Grissom, PE, PLS will be responsible for determining new control point locations, evaluating field data, preparing a final report and coordinating data management between Manhard and Carson City GIS. Project Surveyor James McKew will schedule field crews, review final control point data set information, prepare a Control Network Record of Survey, assist with a presentation workshop and interface with Carson City GIS as needed. Dave Reifke, Project Surveyor will provide GPS computation assistance.

PROJECT PHASE DESCRIPTION

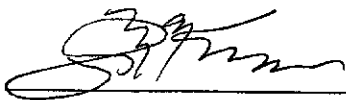
MCL has broken the survey work in three (3) principal tasks identifying specific elements of the consultant work and deliverables required for this portion of the project. The Phase Description is attached to our proposal following this cover letter.

PROJECT SCHEDULE

While we are flexible with respect to the overall project schedule, upon Notice-to-Proceed we expect to complete the monument installation, field locations, and data base development within six (6) months. Upon completion of these Tasks, MCL will prepare a draft Record of Survey to memorialize the work completed, prepare a draft report of our results and submit all control point data to GIS for development of the Internet web-site. Once Carson City has reviewed and commented on the Record of Survey and report, MCL will submit the final data report and Record of Survey for recordation within one-week, then we will work with Carson City to plan a workshop presentation for local surveyors and engineers.

MCL is looking forward to beginning this project and working closely with Carson City Staff to ensure that the project will be completed on time and within budget. If you have any questions, please don't hesitate to call.

Sincerely,



James A. McKew, PLS
Project Surveyor



Kenneth L. Dorr, P.E.
Senior Project Manager

CARSON CITY CONTROL NETWORK MODERNIZATION PROJECT: PHASE 2

The purpose of this Phase is to spread control across Carson City. Because the control will be on the same datum, both vertically and horizontal, all surveys based upon that control will be in harmony. This task is not to perform the function of private surveyors but rather to make their job easier. The area of coverage is approximately 25 sq. miles with an anticipated 86 benchmarks to be established using a 1/2 mile spacing network. It will eliminate or reduce errors resulting from abutting surveys reducing overall cost to the public. It will also facilitate record-keeping chores necessary for city business. Inclusion of maps, on the same datum, into GIS systems will become more simplified and the results will be more precise. Most important is that those construction errors now being experienced will be minimized. Other "useful efficiencies" will also be achieved while reducing unexpected errors.

Task 1: CITY-WIDE SURVEY MONUMENTS, INSTALLATION AND FIELD LOCATE

This will include establishment of new benchmarks as depicted on Exhibit "A", Carson City Control Network Phase 2 Control Point Location Map, dated Sept, 2009. Monuments will be installed in rock out-croppings, concrete sidewalks, concrete-filled cylinders in bare dirt, and in NGS "B" class monument encasements, which will be easily accessible. Network data will then be adjusted and finalized to the most current NGS control points, and a Record of Survey will be prepared for recordation.

Task 2: CITY-WIDE SURVEY MONUMENT DATABASE

Manhard will provide a control diagram to Carson City GIS in the form of a digital drawing of the control point locations along with a digital file of point coordinates, digital photographs of monuments and a network report for inclusion in a internet based control point web page. The network report will break down the process of how the monuments were adjusted. We will anticipate a dialog with Carson City for additional file transfer of this information into the City's GIS database. We will also provide Carson City GIS with recommendations for regular maintenance of the control network. Additionally, we expect to present a workshop presentation to local surveyors and engineers to explain the new control network.

Task 3: REVISE CARSON CITY CODES AND STANDARDS

Manhard will provide a report with suggested ordinance wording for revisions to Carson City local design standards and municipal codes. We anticipate providing training for building permit/land development review and informational services personnel in the use and application of the newly prepared Control and Basis-of-Bearing/Elevation requirements included in the updated Development Standards.

Carson City Control Network Modernization Project PHASE 2
Contract Proposal

Surveying Services Fee Estimate
September 9, 2008 JN: CCNMP

PHASE	Task	DESCRIPTION	Project Manager	Project Surveyor	Cadd Tech	2-Man Survey Field Crew	3-Man Survey Field Crew	Administrative Assistant	Expenses	Ben Grierson Contract Amt	Manward Hours	Manward Amt	Total Cost
2	Task # Code		\$150	\$100	\$75	\$155	\$184	\$58					

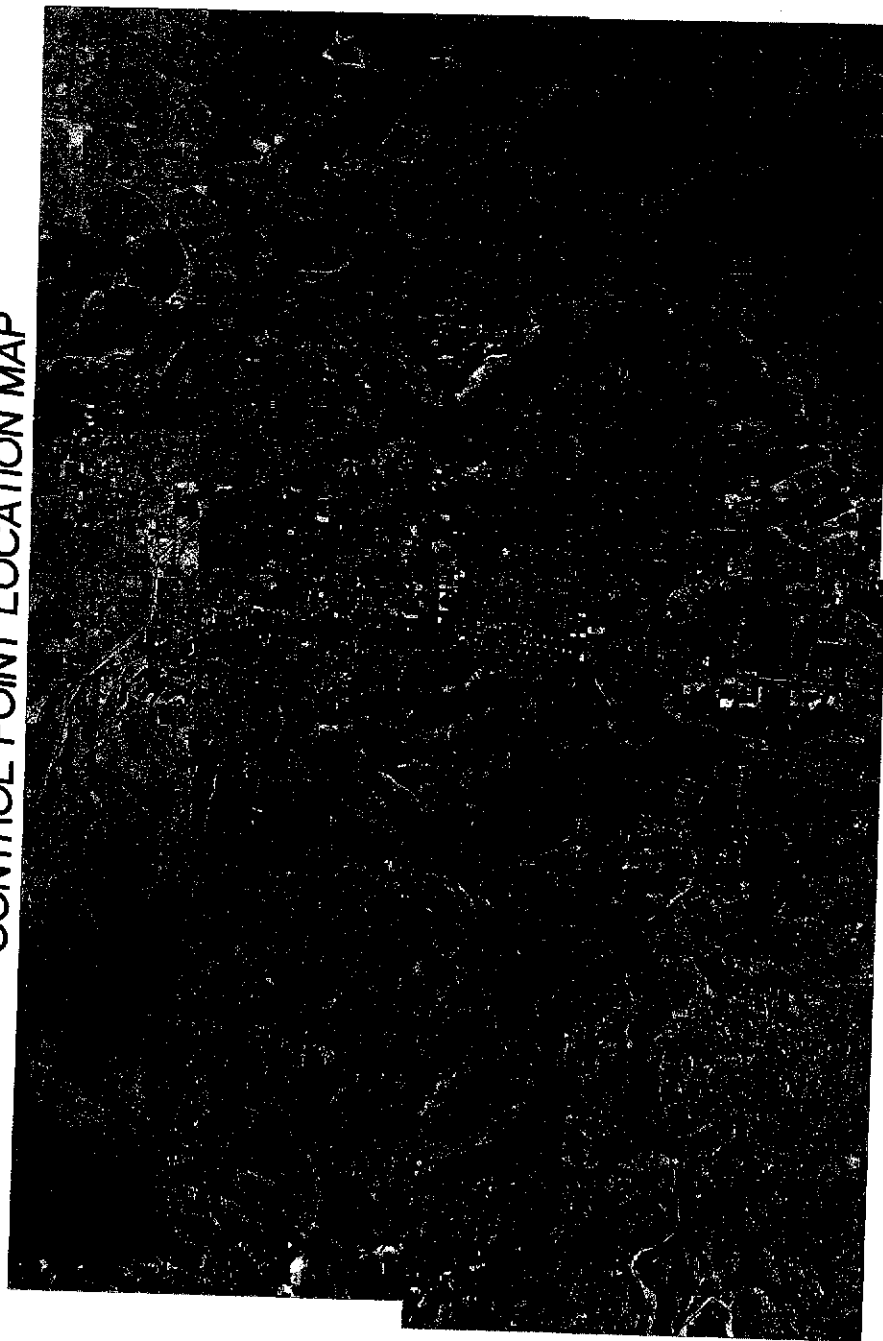
SURVEY CONTROL NETWORK AND MAPPING MODERNIZATION													
1	ENR	Citywide Survey Measurements	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs
1	1.1	Determine Location of New Benchmarks	1	\$150	2	\$200		\$0		\$0		\$0	\$2,608
	1.2	Install New Benchmarks (8)	1	\$150	1	\$100		\$0		\$0		\$4,000	\$0
	1.3	GPS for Updated Benchmark Network	1	\$150		\$0		\$0		\$0		\$0	\$0
	1.4	Produce Levels for Updated Benchmark Network	1	\$150		\$0		\$0		\$0		\$5,300	\$0
	1.5	Adjust & Finalize Network Data Sets	1	\$150	30	\$3,000		\$0		\$0		\$63,438	\$0
	1.6	Prepare Record-of-Survey for Modernized Network	1	\$150	8	\$800		\$0		\$0		\$0	\$4,012
2	FCN	Citywide Survey Monument Database	6	\$600	47	\$4,700	32	\$2,400	0	\$0	0	\$0	\$0
	2.1	Control Diagram & Coordinate Table & Photos	2	\$300	15	\$1,500	32	\$2,400		\$0		\$0	\$2,808
	2.2	Adjustment Report	1	\$150	16	\$1,600		\$0		\$0		\$0	\$1,003
	2.3	GIS Data Exchange	1	\$150	10	\$1,000		\$0		\$0		\$0	\$602
	2.4	Workshop to present findings	2	\$300	6	\$600		\$0		\$0		\$0	\$1,404
3	REV	Revise Carson City Codes and Standards	6	\$600	18	\$1,800	0	\$0	0	\$0	0	\$0	\$0
	3.1	Recommendation Report and Workshop	2	\$300	8	\$800		\$0		\$0		\$0	\$802
	3.2	Training session for City Staff	4	\$600	10	\$1,000		\$0		\$0		\$0	\$502
	Total Phase		18	\$2,700	105	\$10,500	80	\$6,000	123	\$18,434	327	\$63,438	\$12,939

PROJECT COORDINATION													
2	PCZ	Phase 2 Meetings/Coordination	4	\$900	8	\$800	0	\$0	0	\$0	0	\$0	\$201
	Total Phase		4	\$900	8	\$800	0	\$0	0	\$0	0	\$0	\$201

CONTRACT TOTALS	22	\$3,500	114	\$11,400	80	\$6,000	123	\$18,434	327	\$63,438	20	\$1,160	\$9,700	\$13,139
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686	\$14,432	\$127,571
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EXHIBIT A CARSON CITY CONTROL NETWORK PHASE 2 CONTROL POINT LOCATION MAP



- ▲ BASE CONTROL MONUMENTS
- EXPANDED CONTROL MONUMENTS
- CITYWIDE CONTROL MONUMENTS

Manhard CONSULTING LTD. P.O. Box 5750 Carson City, NV 89702 (775) 882-5650	SCALE HORIZ. 1" = 1/4"	DATE: SEPT. 2002	SHEET
	CONTROL NETWORK CARSON CITY CONTROL NETWORK	CARSON CITY 3505 BUTTE WAY CARSON CITY, NV 89701 775-887-2355	DESIGNED BY: N/A DRAWN BY: JAM CHECKED BY: JAM JOB NO.: 00000000 DWG. NO.: 00-CONTROL