



**Prior Board Approval:** Original Contract was approved May 20, 2010 in the amount of \$284,750.00.

**Alternatives:** Provide other direction.

**Supporting Material:** Contract Amendment No. 1 and Exhibit B

**Prepared By:** Sandy Scott-Fisher, Purchasing and Contracts Coordinator

**Reviewed By:**

  
\_\_\_\_\_  
(Public Works)

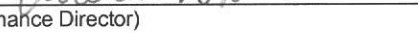
Date: 2-7-11

  
\_\_\_\_\_  
(City Manager)

Date: 2/8/11

  
\_\_\_\_\_  
(District Attorney)

Date: 2/7/11

  
\_\_\_\_\_  
(Finance Director)

Date: 2/8/11

**Board Action Taken:**

Motion: \_\_\_\_\_

1) \_\_\_\_\_ Aye/Nay

2) \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Vote Recorded By)

**CONTRACT FOR SERVICES OF INDEPENDENT CONTRACTOR  
AMENDMENT No. 1**

**Contract No. 0910-201**

**Engineering Services for the Robinson Street Transmission Main Project**

**IT IS ALSO AGREED**, that all unaffected conditions, requirements, and restrictions of the Original Contract document remain in full force and effect for the duration of the Contract term.

**ACKNOWLEDGMENT AND EXECUTION:**

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


**CARSON CITY**

Finance Director  
Attn: Sandy Scott-Fisher, Purchasing &  
Contracts Coordinator  
201 North Carson Street Suite 3  
Carson City, Nevada 89701  
Telephone: 775-283-7137  
Fax: 775-887-2107  
SScott@carson.org

**CITY'S LEGAL COUNSEL**

Neil A. Rombardo, District Attorney

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

By:   
Sandy Scott-Fisher

By:   
Deputy District Attorney

DATED 2/8/11

DATED 2/7/11

**CITY'S ORIGINATING DEPARTMENT**

**BY:** Andrew Burnham, Director  
Carson City Public Works Department  
3505 Butti Way  
Carson City, NV 89701  
Telephone: 775-887-2355 Ext. 7367  
Fax: 775-887-2164  
ABurnham@carson.org

By: 

DATED 2-7-11

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By: 

DATED 2-7-11

**CONTRACT FOR SERVICES OF INDEPENDENT CONTRACTOR**  
**AMENDMENT No. 1**  
**Contract No. 0910-201**  
**Engineering Services for the Robinson Street Transmission Main Project**

**THIS AMENDMENT** is made and entered into this 17th day of February, 2011, 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**", and is made to amend the existing contract known as **CONTRACT # 0910-201**.

**WITNESSETH:**

**WHEREAS**, the **CITY** desires to amend Section 2 **CONTRACT TERM**, Section 4 **SCOPE OF WORK**, and Section 5 **CONSIDERATION** of the original contract to include that which is contained herein; and

**WHEREAS**, it is deemed that said amendment is both necessary and in the best interest of the **CITY**.

**NOW, THEREFORE**, in consideration of the aforesaid mutual promises, the parties agree as follow:

**WHEREAS**, this amendment shall not become effective until and unless approved by the Carson City Board of Supervisors.

1. Amend Paragraph 2.1 **CONTRACT TERM** of **CONTRACT 0910-201** To provide in its entirety as follows:

This contract will be in effect from May 20, 2010, subject to Carson City Board of Supervisors' approval (anticipated to be May 20, 2010) to October 1, 2011, unless sooner terminated by either party as specified in **Section 7 Contract Termination**.

2. Amend Paragraph 4.1 **CONTRACT TERM** of **CONTRACT # 0910-201** to provide in its entirety as follows:

**CONSULTANT** shall provide and perform the following services as set forth in **Exhibit A** to this agreement and **Exhibit B** to Contract Amendment No. 1 for **CONTRACT # 0910-201** attached hereto and incorporated herein by reference for and on behalf of **CITY** herein referenced as "**Services**."

3. Amend Paragraph 5.1 **CONSIDERATION** of **CONTRACT # 0910-201** to provide in its entirety as follows:

City agrees to pay **CONSULTANT** the **CONTRACT SUM** based upon time and materials for a not to exceed amount of Four Hundred Fifty-Six Thousand, Two Hundred and Seven Dollars and Fifty Cents (\$456,207.50), which is an increase to the contract amount by One Hundred Seventy-One Thousand, Four Hundred Fifty-Seven Dollars and Fifty Cents (\$171,457.50).

**CONTRACT FOR SERVICES OF INDEPENDENT CONTRACTOR  
AMENDMENT No. 1  
Contract No. 0910-201  
Engineering Services for the Robinson Street Transmission Main Project**

Mark A. Rotter, P.E. deposes and says: That he is the **CONSULTANT** or authorized agent of the **CONSULTANT**; that he has read the foregoing Amendment; and that he understands the terms, conditions, and requirements thereof.

**CONSULTANT**

**BY:** Mark A. Rotter, P.E.

**TITLE:** Area Manager

**FIRM:** Manhard Consulting Ltd.

**CARSON CITY BUSINESS LICENSE #:** 11-25591

**Address:** 3476 Executive Pointe Way, Suite 121

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

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


**E-mail Address:** mrotter@manhard.com

  
\_\_\_\_\_  
(Signature of **CONSULTANT**)

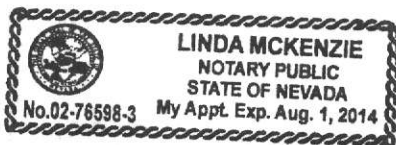
DATED 2-7-11

STATE OF Nevada )  
County of Carson City ) ss

Signed and sworn (or affirmed) before me on this 7 day of February, 2011, by Mark A. Rotter.

  
\_\_\_\_\_  
(Signature of Notary)

(Notary Stamp)



**CONTRACT FOR SERVICES OF INDEPENDENT CONTRACTOR  
AMENDMENT No. 1  
Contract No. 0910-201  
Engineering Services for the Robinson Street Transmission Main Project**

**CONTRACT ACCEPTANCE AND EXECUTION:**

The Board of Supervisors for Carson City, Nevada at their publicly noticed meeting of February 17, 2011 approved the acceptance of **CONTRACT No. 0910-201**. 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 17th day of February, 2011.

**ATTEST:**

\_\_\_\_\_  
**ALAN GLOVER, CLERK-RECORDER**

DATED this 17<sup>th</sup> day of February, 2011.



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

January 7, 2011

Darren L. Schulz, P.E. - Deputy Director  
Carson City Public Works  
3505 Butti Way  
Carson City, NV 89701

Re: **Robinson Street Transmission Main – Proposal for Additional Engineering Services** (Manhard Project # CCCCN15)

Dear Darren:

I would like to take this opportunity to submit this proposal to you for additional Engineering Services for the Robinson Street Transmission Line Improvement Project and the re alignment of Vista Grande Blvd and the Vista Grande Booster Station and associated main.

Manhard Consulting Ltd., proposes to provide the following principal items of work which are described in greater detail in the attached "Scope of Services:

**PHASE D4 – BUTTI WAY IMPROVEMENTS**

- Task 1 – Topo/Base Map
- Task 2 – Realignment of Butti Way
- Task 3 – Grading of Butti Way
- Task 4 – Improvement Plans
- Task 5 – Specifications and Cost Estimate
- Task 6 – Utility Company Coordination

**PHASE D5 – VISTA GRANDE BOOSTER PUMP STATION and WATERMAIN IMPROVEMENTS**

- Task 1 – Geotechnical Analysis of BPS Site and Water Main Alignment
- Task 2 – Topo/Base Map
- Task 3 – Utility Company Coordination
- Task 4 – Hydraulic Modeling Support and Coordination
- Task 5 – Improvement Plans
- Task 6 – Permit Applications
- Task 7 – Specifications and Contract Documents
- Task 8 – Bidding Assistance

**PHASE D6 – VISTA GRANDE BLVD and OLD CLEAR CREEK RD IMPROVEMENTS**

- Task 1 – Topo/Base Map
- Task 2 – Realignment of Vista Grande
- Task 3 – Grading and Drainage Improvements
- Task 4 – Improvement Plans
- Task 5 – Specifications and Cost Estimate



PHASE GEO2 – ADDITIONAL GEOTECHNICAL WORK

Thank you for allowing us the opportunity to prepare this proposal. Manhard Consulting looks forward to providing detailed engineering and support services to Carson City to ensure that these tasks will be completed on time and within budget. If you have any questions, please don't hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Rotter', with a stylized flourish at the end.

Mark A. Rotter, P.E.  
Area Manager

**SCOPE OF SERVICES  
CARSON CITY  
ROBINSON STREET TRANSMISSION MAIN ENGINEERING  
(Additional Services)**

**PHASE D4 – BUTTI WAY IMPROVEMENTS**

**\$35,970**  
Time & Materials  
Suggested Budget

**Task 1 – Topo/Base Map**

This task includes field shots and modifications to the existing topo prepared by Carson City and incorporating into the East-West Transmission Main Phase 1 project.

**Task 2 – Realignment of Butti Way**

This task includes shifting the current alignment of Butti Way to the North near the Public Works Building Public Entrance to accommodate the desired section including curb, gutter and 8' wide sidewalk.

**Task 3 – Grading of Butti Way**

This task includes utilizing general profile grade set by Carson City Staff to eliminate the "hump" in Butti Way. Work includes incorporating the grades set on curb, gutter and sidewalk previously constructed.

**Task 4 – Improvement Plans**

This task includes the preparation of plan and profile sheets, geometric sheet, signing and striping plans and modifications to the detail sheets. These sheets are to be added to the East-West Transmission Main Phase 1 Improvement Plans.

**Task 5 – Specifications and Cost Estimate**

This task includes preparation of special conditions and engineers estimate for bid payment and additive alternatives. The specifications and estimate will be incorporated into the East-West Transmission Main Phase 1 documents.

**Task 6 – Utility Company Coordination**

This task includes meetings and coordination with NV Energy, AT&T, Charter Communications and Carson City Traffic Staff.

**PHASE D5 – VISTA GRANDE BOOSTER PUMP STATION and WATERMAIN IMPROVEMENTS**

\$100,308  
Time & Materials  
Suggested Budget

**Task 1 – Geotechnical Analysis of BPS Site and Water Main Alignment**

This task will include the geotechnical analysis required for the booster pump station site and water main alignment. An allowable bearing pressure will be provided for building design and the suitability of utilizing existing material for bedding and backfill will be discussed.

**Task 2 – Topo/Base Map**

This task includes the required topographic mapping for the booster pump station site and approximately 1,400 lineal feet of suction piping and 1,600 lineal feet of discharge piping.

**Task 3 – Utility Company Coordination**

This task includes meetings and coordination with NV Energy, AT&T, Charter Communications and Carson City Traffic Staff.

**Task 4 – Hydraulic Modeling Support and Coordination**

This task is included to provide coordination related to system wide hydraulic modeling and the effect that system conditions have on the proposed booster pump station.

**Task 5 – Improvement Plans**

This task will include all civil, architectural, structural, electrical, mechanical and landscape plans necessary to construct the booster pump station and approximately 3,000 lineal feet of waterline including the following:

1. Civil – Work will include the site plan, grading plan, landscape and irrigation plan, site piping plan, erosion control plan, building pump and piping plans, chlorine injection equipment design and piping, and all necessary details. Plan sheets for the watermain improvements in Vista Grande (approximately 600 lineal feet) are incorporated in Phase D6, task 4.
2. Structural – Work will include the architectural and structural plans for a concrete masonry unit building with wood truss roof, including preparation of required structural calculations for building department submittal. Manhard Consulting will utilize Wayne Reid to perform this work.
3. Electrical – Work will be performed by Jensen Engineering and will include the following:
  - a. 480Y/277V 3-Phase service from NV Energy including transformer pad, conduit and metering facilities as required.
  - b. 480Y/277V 3-Phase 4-Wire main switchboard and automatic transfer switch and power distribution panel.

- c. 480Y/277V 3-Phase diesel genset with base mounted fuel tanks, electrical load bank and outdoor sound attenuated enclosure.
  - d. Variable frequency drive pump starters.
  - e. 240/120V 1-Phase station power system, interior/exterior lighting system, and GFCI convenience outlet system.
  - f. Electrical power and control connections to mechanical equipment, flow meters, pressure transducers, and chlorine injection system.
4. Mechanical – Work will HVAC equipment layout and all necessary details. Manhard Consulting will utilize Aspen Engineering to perform this work.

#### **Task 6 – Permit Applications**

1. Prepare a Carson City Building Permit application and supporting documents.
2. Prepare a NDEP Bureau of Safe Drinking Water Application and supporting documents.
3. Prepare NV Energy service application and supporting documents.
4. Prepare Frontier service application and supporting documents.
5. Prepare Southwest Gas service application and supporting documents.

Carson City will pay all permit fees. This task includes assisting in obtaining approval from the permitting agencies. This item would include revisions to the plans and supporting documents for the first review comments. All subsequent revisions, submissions, and additional information are not included and will be performed as an additional service.

#### **Task 7 – Specifications and Contract Documents**

1. Contract documents to be prepared utilizing Carson City's standard bid documents modified as required for this project.
2. Technical Specifications provided to supplement standard specifications where required.
3. Bid item summaries provided for all bid items.

#### **Task 8 – Bidding Assistance**

Bidding assistance to include attendance of pre-bid meeting, preparation of addenda as required, attendance of bid opening, evaluation and summary of bids and recommendation for contract award.

**PHASE D6 – VISTA GRANDE BLVD and OLD CLEAR CREEK ROAD  
IMPROVEMENTS**

\$26,152  
Time & Materials  
Suggested Budget

**Task 1 – Topo/Base Map**

This task includes field shots and preparation of base mapping for the realignment of Vista Grande Blvd and improvements to Old Clear Creek Road.

**Task 2 – Realignment of Vista Grande**

This task includes realigning Vista Grande to match up with North Vista Grande (across Old Clear Creek Road).

**Task 3 – Grading and Drainage Improvements**

This task includes the design of the detention facilities at the south west corner of Old Clear Creek Road and Vista Grande Boulevard, roadside ditch design and stormceptor sizing to accommodate the new road.

**Task 4 – Improvement Plans**

This task includes the preparation of improvement plans for the construction of 960 lineal feet of road improvements including curb, gutter, paving and drainage improvements. The watermain improvements in this area (approximately 600 lineal feet) are to be designed under Phase D5 and shown on these plans.

**Task 5 – Specifications and Cost Estimate**

This task includes preparation of special conditions and engineers estimate for the work described in Task 4.

**PHASE GEO2 – ADDITIONAL GEOTECHNICAL WORK**

\$9,027.50  
Time & Materials  
Suggested Budget

This phase is for the additional Geotechnical work needed for the downtown watermain improvements.