THE CITY OF
EDINBURG

NOTICE TO BIDDERS

The City of Edinburg is soliciting sealed bids to be received by the City Secretary's Office located at 415 W. University Drive, Edinburg, Texas 78541. City of Edinburg normal business days are Monday through Friday between the hours of 8:00 a.m. to 5:00 p.m. and shall be closed on recognized holidays.

Bids will be received until **3:00 p.m. Central Time**, on **Monday, November 03, 2014**, shortly thereafter all submitted bids will be gathered and taken to the Edinburg City Hall Community Room, 1st Floor, to be publicly opened and read aloud. Any bid received after the closing time will not be accepted and will be returned to the bidder unopened. It is the responsibility of the bidder to see that any bid submitted shall have sufficient time to be received by the City Secretary's Office prior to the bid opening date and time. The receiving time in the City Secretary's Office will be the governing time for acceptability of the bids. Bids will not be accepted by telephone or facsimile machine. All bids must bear original signatures and figures. The Bid shall be for:

BID NO. 2015-25
LINK2SITE SYSTEM

Bidders receiving a "NOTICE TO BIDDERS" and/or "REQUEST FOR PROPOSALS" notice in the mail or reading same in the newspaper are advised that the bidding documents can be downloaded from the City of Edinburg web page address: www.cityofedinburg.com, or may obtain copies of same by contacting the office of:

LORENA FUENTES, PURCHASING AGENT, LOCATED AT 415 W. UNIVERSITY DRIVE, Edinburg, TX 78541 by calling (956) 388-1895 or by e-mailing your request to the following e-mail address: lfuentes@cityofedinburg.com

If you have any questions or require additional information regarding this bid, please contact Mr. Jose Anguiano, Wastewater Treatment Plant Superintendent at (956) 292-2045.

If Hand-delivering Bids: 415 West University Drive,
C/o City Secretary Department (1st Floor)

If using Land Courier (i.e., FedEx, UPS): City of Edinburg
C/o City Secretary
415 West University Drive
Edinburg, Texas 78541

If Mailing Bids: City of Edinburg
C/o City Secretary
P.O. Box 1079
Edinburg, TX 78540-1079

The City of Edinburg reserves the right to refuse and reject any or all bids and to waive any or all formalities or technicalities and to accept the bid deemed most advantageous to the City, and hold the bids for a period of **60** days without taking action.

Bids must be submitted in an envelope sealed with tape and prominently marked on the lower left hand corner of the bid envelope with corresponding bid number and title.

CITY OF EDINBURG
INSTRUCTIONS TO BIDDERS

DEVIATION FROM SPECIFICATION

Please read your specifications/requirements thoroughly and be sure that the SERVICES offered comply with all specifications/requirements. Any variation from the specifications/requirements must be clearly indicated by letter attached to your bid referencing variations on a point-by-point basis. If no exceptions are noted, and you are the successful bidder, it will be required that the SERVICES be provided as specified.

PURPOSE

1. The purpose of these specifications/requirements and bidding documents is for the purchase and installation of **LINK2SITE SYSTEM** for the City of Edinburg.

2. The SERVICES to be furnished under this bid shall be as specified in these bid documents. All specifications/requirements shown are minimum. There is no intention to disqualify any bidder who can meet these specifications/requirements.

SUBMITTAL OF BID

Bids will be submitted in sealed envelopes upon the blank bid form attached hereto. Submit two (2) complete sets of the bid, one (1) original marked "**ORIGINAL,**" and one (1) copy marked "**COPY**". Each bid must be completely filled out and **SUBMITTED IN ORIGINAL FORM**, complete with all supporting documentation. Bids submitted by facsimile (fax) or electronically will **NOT** be accepted. Submittal of a bid in response to this solicitation for Bids constitutes an offer by the Bidder. Bids which do not comply with these specifications/requirements may be rejected at the option of the City. Bids must be filed with the City of Edinburg, before opening day and hour. No late Bids will be accepted. They will be returned to Bidder unopened (if properly identified).

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If Mailing Bids:	P.O. Box 1079, Edinburg, TX 78540-1079

PREPARATION OF BID

Bids MUST give full firm name and address of bidder, and be manually signed. Failure to do so will disqualify your bid. Person signing bid must show title or AUTHORITY TO BIND HIS/HER FIRM IN A CONTRACT.

Firm name and authorized signature must appear on each page that calls for this information. The legal status of the Respondent/Bidder whether corporation, partnership, or individual, shall also be stated in the bid. A corporation shall execute the bid by its duly authorized officers in accordance with its corporate by-laws and shall also list the state in which it is incorporated. A partnership Respondent/Bidder shall give full names and addresses of all partners. All partners shall execute the bid. Partnership and Individual Respondent/Bidder shall state in the bid the names and addresses of all persons with a vested interest therein. The place of residence of each Respondent/Bidder, or the office address in the case of a firm or company, with county and state and telephone number, shall be given after the signature.

ALTERATIONS/AMENDMENTS TO BID

Bids **CANNOT** be altered or amended after opening time. Alterations made before opening time must be initialed by bidder guaranteeing authenticity. No bid may be withdrawn after opening time without acceptable reason in writing and only after approval by the City of Edinburg.

INSTRUCTIONS TO BIDDERS (Continued):

SALES TAX
State sales tax must not be included in the bid.

SUBSTITUTIONS
No substitutions or cancellations will be permitted without written approval of City of Edinburg.

NO BID RESPONSE
If unable to submit a bid, bidder should return inquiry giving reasons.

EXCEPTIONS
Any additions, deletions, or variations from the following specifications/requirements must be noted. The bidder shall attach to his/her bid sheet a list of any exceptions to the specifications/requirements if unable to do so, on specification sheet.

BRAND OR MANUFACTURER REFERENCE
Unless otherwise specified, any catalog or manufacturer's reference or brand name used in describing an item is merely descriptive, and not restrictive, and is used only to indicate type and style of product desired. Bids on alternate brands will be considered if they meet specification requirements. If a bidder quotes on equipment other than the one(s) specified in the bid, sufficient specifications and descriptive (pictured literature) data must accompany same to permit thorough evaluation. In the absence of these qualifications, he/she will be expected to furnish the product called for.

DELIVERY
Number of days required to deliver SERVICES after receiving order must be stated in the bid. Failure to so state will obligate bidder to complete service delivery within ONE day.

DELAY IN SERVICE DELIVERY
When delay can be foreseen, Bidder shall give prior notice to City of Edinburg. Bidder must keep City of Edinburg advised at all times of status of order. Default in promised service delivery (without acceptable reasons) or failure to meet specifications/requirements, authorizes the City of Edinburg to purchase such SERVICES elsewhere and charge increase in cost to defaulting vendor. Acceptable reasons for delayed delivery are as follows: Acts of God (floods, tornadoes, hurricanes, etc.), acts of government, fire, strikes, war; Actions beyond the control of the successful bidder.

SERVICE DELIVERED PRICING
Bids in units of quantity specified - extend and show total. In the event of discrepancies in extension, unit prices will govern. Bids subject to unlimited price increase will not be considered.

VALID BID TIME FRAME
The City may hold bids 60 days after bid opening without taking action. BIDDERS shall be required to hold their Bids firm for the same period of time.

RIGHT TO REJECT/AWARD
The City of Edinburg reserves the right to refuse and reject any or all Bids, and to waive any or all formalities or technicalities, and to make such awards of contract as may be deemed to be the best and most advantageous to the City of Edinburg.

INSTRUCTIONS TO BIDDERS (Continued):

MULTIPLE VENDOR CONTRACTS

Bidders are advised that the City of Edinburg may award Service Contracts to multiple vendors based on low bid per item basis. All items specified on the "Bid Form" **must** reflect the individual unit prices. The City of Edinburg reserves the right to award all items individually or in any combination thereof.

INDEMNIFICATION CLAUSE

The Bidder agrees to indemnify and save harmless the City, from all suits and actions of every nature and description brought against them or any of them, for or on account of the use of patented appliances, products or processes, and he shall pay all royalties and charges which are legal and equitable. Evidence of such payment or satisfaction shall be submitted upon request of the Purchasing Agent, as a necessary requirement in connection with the final estimate for payment in which such patented appliance, products or processes are used.

ADDENDA

Bidder shall carefully examine the bid forms, specifications/requirements, and instructions to Bidders. Should the bidder find discrepancies in, or omissions from bid forms, specifications/requirements, or other documents, or should he/she be in doubt as to their meaning, he/she should at once notify the Purchasing Agent (Edinburg City Hall, 956-388-8972) and obtain clarification by addendum prior to submitting any bid. Explanations, interpretations, and supplemental instructions shall be in the form of written Addenda which shall become a part of the Contract documents. Said Addenda shall be mailed, e-mailed, hand delivered and/or faxed, to all prospective Bidders. All Addenda issued in respect to this project shall be considered official changes to the original bid documents. Verbal statements in response to inquiries and/or requests for explanations shall not be authoritative nor binding. It shall be the Bidder(s) responsibility to ensure that they have received all Addenda in respect to this project. Furthermore, Bidders are advised that they must recognize, comply with, and attach a signed copy of each Addendum which shall be made part of their Bid Submittal. Bidder(s) signature on Addenda shall be interpreted as the bidder's "recognition and compliance to" official changes as outlined by the City of Edinburg and as such are made part of the original solicitation documents. Failure of any bidder to receive any such addendum or interpretation shall not relieve such Bidder from its terms and requirements. The City may issue a written addendum no later than five calendar days prior to the date bids must be received. Addendums are available online at www.cityofedinburg.com.

PAYMENT

The City of Edinburg will execute payment by mail in accordance with the State of Texas Pay Law after SERVICES have been provided and invoiced. No other method of payment will be considered.

SYNONYM

Where in this bid package ITEMS OR SERVICES is used its meaning shall refer to the purchase of LINK2SITE SYSTEM as specified.

ASSIGNMENT

Neither the Bidder's contract nor payment due to an awarded vendor may be assigned to a third party without the written approval of the Purchasing Department for the City of Edinburg.

BIDDER'S EMPLOYEES

Neither the Bidder nor his/her employees engaged in fulfilling the terms and conditions of this Purchase Contract shall be considered employees of the City. The method and manner of performance of such undertakings shall be under the exclusive control of the vendor on contract. The City shall have the right of inspection of said undertakings at any time.

INSTRUCTIONS TO BIDDERS (Continued):

INTERPRETATIONS

Any questions concerning the conditions and/or specifications/requirements with regards to this solicitation for Bids shall be directed to the designated individuals as outlined in the Request for Bids. Such interpretations, which may affect the eventual outcome of this request for Bids, shall be furnished in writing to all prospective Bidders via Addendum. No interpretation shall be considered binding unless provided in writing by the City of Edinburg in accordance with paragraph entitled "Addenda".

STATUTORY REQUIREMENTS

It shall be the responsibility of the successful Bidder to comply with all applicable State & Federal laws, Executive Orders and Municipal Ordinances, and the Rules and Regulations of all authorities having jurisdiction over the work to be performed hereunder and such shall apply to the contract throughout, and that they will be deemed to be included in the contract as though written out in full in the contract documents. (To include issues related to health, environmental, and safety to name a few.)

RIGHT TO WAIVE

City of Edinburg reserves the right to waive or take exception to any part of these specifications/requirements when in the best interest of the City of Edinburg.

COOPERATIVE PRICING

Bidders are advised that in addition to responding to our "local" solicitation for bids/Bids with Dealer pricing, vendors/contractors are encouraged to provide pricing on the below referenced items/products/services based on BuyBoard, TX-MAS, H-GAC and/or any other State of Texas recognized and approved cooperative which has complied with the bidding requirements for the State of Texas. If bidding other than or in addition to "dealer" pricing, kindly duplicate the bid forms for each bid being provided from a cooperative contract. Any and all applicable fees must be included. All cooperative pricing must be submitted on or before bid opening date and hour.

TIME ALLOWED FOR ACTION TAKEN

The City of Edinburg may hold bids **60** days after the opening of Bids without taking action. Bidders are required to hold their Bids firm for same period of time.

PREPARATION OF BID

The City of Edinburg shall not be held liable for any costs incurred by any bidder for work performed in the preparation of and production of a bid or for any work performed prior to execution of contract.

CONFIDENTIAL INFORMATION

Any information deemed to be confidential by the bidder should be clearly noted on the pages where confidential information is contained; however, the City cannot guarantee that it will not be compelled to disclose all or part of any public record under Texas Public Information Act, since information deemed to be confidential by the bidder may not be considered confidential under Texas Law, or pursuant to a Court order.

VERBAL THREATS

Any threats made to any employee of the City, be it verbal or written, to discontinue the providing of item/material/services for whatever reason and/or reasons shall be considered a breach of contract and the City will immediately sever the contract with the Vendor on contract.

INSTRUCTIONS TO BIDDERS (Continued):

MATHEMATICAL ERRORS
In the event that mathematical errors exist in any bid, unit prices/rates -v- totals, unit prices/rates will govern.

AUDIT
The City of Edinburg reserves the right to audit the vendor's books and records relating to the performance of this contract. The City of Edinburg, at its own expense, shall have the right at all reasonable times during normal business hours and upon at least twenty-four (24) hours' advance notice, to audit, to examine, and to make copies of or extracts from the books of account and records maintained by the vendor(s) with respect to the Supply/Service and/or Purchase Contract. If such audit shall disclose overpayment by City to vendor, written notice of such overpayment shall be provided to the vendor and the amount of overpayment shall be promptly reimbursed by vendor to the City. In the event any such overpayment is not paid within ten (10) business days after receipt of such notice, the unpaid amount of such overpayment shall bear interest at the rate of one percent (1%) per month from the date of such notice until paid.

PAST PERFORMANCE
Vendor's past performance shall be taken into consideration in the evaluation and award of Service Contract for the Purchase of SERVICES.

JURISDICTION
Contract(s) executed as part of this solicitation shall be subject to and governed under the laws of the State of Texas. Any and all obligations and payments are due and performable and payable in Hidalgo County, Texas.

VENUE
The parties agree that venue for purposes of any and all lawsuits, cause of action, arbitration, and/or any other dispute(s) shall be in Hidalgo County, Texas.

CONFLICT OF INTEREST
CHAPTER 176 OF THE TEXAS LOCAL GOVERNMENT CODE
Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity disclose in the Questionnaire Form CIQ, the vendor or person's affiliation or business relationship that might cause a conflict of interest with a local government entity. By law, this questionnaire must be filed with the records administrator of the City of Edinburg not later than the 7th business day after the date the person becomes aware of facts that require the statement be filed. See Section 176.006, Local Government Code. A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor. For more information or to obtain Questionnaire CIQ go to the Texas Ethics Commission web page at www.ethics.state.tx.us/forms/CIQ.pdf.

IF YOU HAVE ANY QUESTIONS ABOUT COMPLIANCE, PLEASE CONSULT YOUR OWN LEGAL COUNSEL. COMPLIANCE IS THE INDIVIDUAL RESPONSIBILITY OF EACH PERSON OR AGENT OF A PERSON WHO IS SUBJECT TO THE FILING REQUIREMENT. AN OFFENSE UNDER CHAPTER 176 IS A CLASS "C" MISDEMEANOR.

AWARD
For purposes of this project, award will be contingent on approval of budget.

SPECIAL CIRCUMSTANCES
In the event that the City of Edinburg has an immediate need for a particular service(s) that is/are on contract and the

successful vendor on contract is not able to meet the special service delivery needs of the City of Edinburg, the City of Edinburg reserves the right to purchase such services elsewhere to fulfill its' immediate need.

TERMINATION OF CONTRACT

The City of Edinburg reserves the right to terminate the contract if, in the opinion of the City of Edinburg, the successful vendor's performance is not acceptable, if the City is being repeatedly over charged, improperly charged, no funds are available, or if the City wishes, without cause, to discontinue this contract. Termination will be in written form allowing a 30-day notice. The bidder shall be afforded the same right to terminate this contract in the same manner.

INSURANCE REQUIREMENTS

Staff may waive insurance requirements for contracts $0 - $4,999.99, including but not limited to contracts for food, materials, supplies, and construction. Workers' Compensation in amounts which satisfy statutory coverage shall be required for construction projects.

The following insurance requirements will be included in all City contracts of $5,000 - $14,999.99. In contracts not involving building and construction projects, as that activity is defined in TEX. LABOR CODE §406.096, contractors may obtain alternative form of worker accident insurance with minimum limits of liability of $100,000 per claim.

Minimum Insurance Requirements	
Type of Coverage	**Limits of Liability**
Worker's Compensation	Statutory Coverage
Comprehensive General Liability (City named as additional insured) Bodily Injury	$250,000 each person/$500,000 each occurrence
Property Damage	$100,000 each occurrence/$100,000 aggregate or $500,000 combined single limits

The following insurance requirements will be included in all City contracts of $15,000 or more.

(1) The successful bidder will be required to carry the following insurance coverage and limits of coverage, as well as list the City as an additional insured to liability coverage as requested by the City. In addition, the successful bidder shall provide the City with evidence of coverage and furnish acceptable proof of payment of insurance premiums.

(2) The successful bidder will be required to secure and/or have insurance coverage in force with an admitted property and casualty insurance company licensed by the State of Texas to conduct business in the State of Texas.

(3) In contracts not involving building and construction projects, as that activity is defined in TEX. LABOR CODE §406.096, contractors may obtain alternative form of worker accident insurance with minimum limits of liability of $100,000 per claim.

INSTRUCTIONS TO BIDDERS (Continued):

Minimum Insurance Requirements	
Type of Coverage	**Limits of Liability**
Worker's Compensation	Statutory Coverage
Employer's Liability	Bodily Injury by Accident: $100,000 each accident Bodily Injury by Disease: $100,000 each employee/$500,000 policy limit
Comprehensive General Liability Bodily Injury Property Damage	 $250,000 each person/$500,000 each occurrence $100,000 each occurrence/$100,000 aggregate or $500,000 combined single limits
Comprehensive Auto Liability Bodily Injury Property Damage	 $100,000 each person/$500,000 each occurrence $100,000 each occurrence/$100,000 aggregate or $500,000 combined single limits
City's Protective Liability Bodily Injury Property Damage	 $250,000 each person/$500,000 each occurrence $100,000 each occurrence/$100,000 aggregate or $500,000 combined single limits

Policies must name the City of Edinburg as an Additional Insured.
Certificates of insurance naming the CITY as an additional insured shall be submitted to the CITY for approval prior to any services being performed by Contractor. Each policy of insurance required hereunder shall extend for a period equivalent to, or longer than the term of the Contract, and any insurer hereunder shall be required to give at least thirty (30) days written notice to the CITY prior to the cancellation of any such coverage on the termination date, or otherwise. This Contract shall be automatically suspended upon the cancellation, or other termination, of any required policy of insurance hereunder, and such suspension shall continue until evidence that adequate replacement coverage is provided to the CITY. If replacement coverage is not provided within thirty (30) days following suspension of the Contract, the Contract shall automatically terminate.

BID BOND INFORMATION – ***CONSTRUCTION PROJECT ONLY***

If the contract amount is over twenty-five-thousand dollars ($25,000) for construction of the project, the successful bidder shall provide a bid guarantee, give a good and sufficient bond in the full amount of the contract price for the faithful performance of such contract, executed by a surety company authorized to do business in the State of Texas, in accordance with Article 5160, Vernon's Texas Civil Statutes, and amendments thereto. A payment bond in the full amount of the contract price to assure payment shall be required by law of all persons supplying labor and material in the execution of the project provided for in the contract documents.

A bid guarantee equivalent to five percent (5%) of the bid price will be required from each bidder. The "bid guarantee" shall consist of a firm commitment, such as a bid bond, certified check or other negotiable instrument accompanying a

INSTRUCTIONS TO BIDDERS (Continued):

bid as assurance that the bidder will upon acceptance of his/her bid, execute such contractual documents as may be required within the time specified.

A performance bond on the part of the contractor for one-hundred percent (100%) of the contract price will be required. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's obligations under such contract.

A payment bond on the part of the contractor for one-hundred percent (100%) of the contract price will be required. A "payment bond" is one executed in connection with a contract to assure payment, as required by law, of all persons supplying labor and material in execution of the work provided for in the contract documents.

CITY OF EDINBURG
REQUEST FOR BIDS FOR
LINK2SITE SYSTEM

BID NO. 2015-25

BID OPENING DATE: November 03, 2014 at 3:00 p.m.

It is the intent of this Request for Bids to describe and ultimately make it possible for the City of Edinburg to purchase the below mentioned **LINK2SITE SYSTEM.**

GENERAL REQUIREMENTS AND AGREEMENT FOR LINK2SITE SYSTEM:

You are invited to submit a sealed bid for the purchase of LINK2SITE SYSTEM as requested by the City of Edinburg.

The specifications listed below are minimum requirements and are intended to govern, in general, the size and material desired. The City of Edinburg reserves the right to evaluate variations from these specifications.

1.0 ELECTRICAL INSTALLATION

A. The system provider (contractor) shall furnish all necessary electrical hardware and services to install and commission the equipment provided in this contract. In addition, they shall include all modifications to the existing Lift Station panels which shall include but not be limited to conduit, circuit breaker, wiring, relays, auxiliary contacts, etc. as necessary to connect the (I/O) inputs/outputs to the SCADA system.

B. The I/O signals shall include but not be limited to; Pump Run Status for each pump, High Level Alarm and Station Power Loss. System provider must provide at the minimum these signals for all sites where the SCADA system is to be installed.

C. Each requested site shall be considered a turn-key installation, which will include the hardware, electrical installation, programming, termination, startup and training of the system to the local operators.

D. System provider will be required to visit all proposed lift station sites in order to review and estimate necessary requirements for a full turn-key installation per site. The system provider shall include in his bid a separate line item for each individual site turn-key installation with a deduction for multiple sites. Customer will be allowed to choose sites to be included once bid is awarded.

2.0 CELLULAR AND INTERNET BASED SCADA SOLUTION

A. The lift station SCADA system shall be comprised of a hosted, Internet based human machine interface portal (Link2Site system or approved equal) which communicates to remote sites utilizing a readily available commercial cellular network. The system shall be:
   1. Totally integrated, fully automated control and monitoring solution suitable for stand alone local functionality and have simultaneous Internet based remote access.
   2. The solution shall include the required Internet based interface software, Internet wireless terminal (Link2Site or approved equal cellular modem) and dedicated pump controller unit for each of the required water and wastewater facility sites.

B. Optional redundant communication capability shall include conventional, dedicated radio or telephone and cellular connection capability operating in a fully automatic redundant mode. This communication option shall include the required controller physical connection and software as a standard product offering to support the redundancy capability.

C. The cellular connection capability shall allow any authorized user to securely connect to the system from anywhere with an Internet connection. The Link2Site or approved equal system shall be accessed utilizing a standard web browser software package, which shall function as a traditional SCADA system software interface including the following functions:
   1. Interface functionality such as pump start/stop setpoint adjustments, remote on/off control, and alarm setpoint adjustment shall be included as a minimum.
   2. Remote site access security and controller configuration security shall be implemented via user entered passwords or with electronic key reader iAccess technology. Configuration changes and facility site access shall be recorded as time-and date-stamped events. These events shall then be reported and recorded over the wireless cellular connection.
   3. Alarm acknowledgement and alarm silencing capability shall be incorporated in the Link2Site or approved equal system interface package.
   4. An "Update Now" function shall allow an authorized user to update the entire system automatically on demand from the Link2Site or approved equal system.

D. The Link2Site or approved equal system shall provide immediate notification of facility operational and security alarms utilizing the following Owner furnished communication methods:
   1. E-mail account notification.
   2. Standard Owner pager systems.
   3. Designated phone call.
   4. Text Messages
   5. All four methods at once.

E. Advanced callout scheduling functionality shall ensure the appropriate person and/or persons are called in the event of a specific alarm type. Acknowledging alarms shall be handled by the authorized Owner personnel using either the telephone or Internet interface.

F. The Link2Site or approved equal system shall be user-friendly, configurable, and flexible. Access to the Link2Site system shall be through a secure Login Home page. Once logged into the system, the authorized operator will be able to select from the following Menu selections and associated display pages:
   1. Enterprise Status Menu shall provide a facility wide overview map with facility site statuses, site list display, site detail displays.
   2. Logs Menu shall provide user access to Alarms and User/Site Event. The software shall include time- and date-stamped records for all alarms, Alarm "Acknowledgements" and Alarm "Clear" status. The software shall include time- and date-stamped records of all system Events.
   3. Reports Menu shall provide both system and Site Report displays. The system Report display shall confirm site communication connection to the Link2Site or approved equal system as well as Flow and Pump Summary displays. The Site report shall provide a Communication Connection History report, Site Access report, Monthly (Site) Station report, Yearly (Site) Station report, Station (Site) Rainfall

Report, and Station (Site) Flow history report. The system shall include time- and date-stamped records of Site Access including who, when and how long an individual was at the site.

4. Graphic Menu shall provide Station (Site) Graphic displays, Detailed Station (Site) performance displays including pump cycle details and runtime and an Analog Values Report display. The system shall support equipment maintenance alerts for calculated unbalanced runtimes, runtimes exceeding setpoints, runtimes exceeding thirty- (30) averages and number of starts exceeding setpoint.
5. Setpoint Menu shall provide setpoint definition displays and facility detail displays.
6. Logout Menu shall allow the user to exit the Link2Site or approved equal system web site.

G. Advanced pump station performance algorithms shall be provided allowing for pump station performance optimization and offering the following capabilities:
   1. Optimization shall offer reduction in facility energy requirements and help prolong equipment life.
   2. Configurable multiple, multi-point trend displays shall be a standard offering and shall be used to illustrate how different pieces of equipment and system components work together.
   3. The trending package shall allow users to track the operation and performance of different system equipment and assets over time.
   4. Users shall have the ability to determine and select variables in the system to track together and to save the custom trends for future use.
   5. Advanced pump station operation and maintenance functionality shall allow the user the ability to monitor pump performance over time, which will be used to predict pump station and/or other facility asset failures before they occur.
   6. The system shall provide multiple methods of volumetric flow including pump run times, wetwell drawdown, wetwell drawdown with compensation for inflow rate. The volumetric flow calculation will be available for the entire pumping station or individual pumps to assist with overall performance analysis.

H. The Link2Site or approved equal system shall constantly monitor its own health and provide immediate notification of any system wide signal losses, alarms, or events while maintaining reasonable and responsible cellular long term costs.

I. An Internet wireless terminal modem shall provide the communication interface between the local site dedicated pump controller unit and the cellular network provider. This wireless terminal modem shall transmit pump controller collected data to the Link2Site or approved equal system via the cellular network.

J. The provider of the Link2Site or approved equal system shall be responsible for confirmation of cellular coverage for the sites to be monitored, establishment and setup of the cellular plan, procurement of the appropriate SIM modules, testing of the cellular modems, and end user billing of the cellular air time. The cellular coverage contract shall be between the end user and Siemens Water Technologies. The cellular contract shall be a one year agreement and will be a basic data package. Price for the cellular coverage shall be included in the bid along with any cellular site commissioning fees.

K. The Link2Site or approved equal cellular modem shall incorporate the following general functional design requirements:
   1. Power for the Link2Site or approved equal modem shall originate from the local pump controller or via a separate 12 or 24 VDC power supply, as required. An integral power ON/OFF switch and operational status light shall be included

2. An RS232 serial interface 9-pin connector cable between the Link2Site modem and IntraLink LC150 pump controller shall be installed in accordance with industry standards. The required pump controller RJ45 connector to the Link2Site or approved equal modem DB9F modular adapter with the correct communication protocol pin-out shall be furnished.
3. The supported standard protocols shall include as a minimum Modbus, IntraLink and DF1.
4. Include the required antenna and appropriate cable for secure and reliable operation over the cellular communication network.
5. Support an extended temperature range of -22°F (-30°C) to +158°F (+70°C) for the Link2Site cellular modem normal operation.
6. The Link2Site modem shall support Circuit Switched Data (CSD) transmission rate of up to 14.4 kbps required to support mobile cellular phone systems.
7. The Link2Site cellular modem shall support a Quad-Band Global system for mobile communication (GSM) of 850, 900, 1800 and 1900 MHz.
8. Link2Site modem support of a standard Java software development platform, which supports Information Module Profile - Next Generation (IMP-NG). The software platform shall allow the modem to update its application over the air (OTA) in a simple and reliable manner as well as transfer and receive confidential data in a secure environment using industry standard data encryption methods.

L. The IntraLink LC150 pump controller shall be furnished for local, dedicated monitoring and automatic control of the required water and wastewater facilities and shall communicate over the specified wireless cellular network to the Link2Site system.
   1. It shall be a standard, catalogued product of a water and wastewater pumping automation equipment manufacturer regularly engaged in the design and manufacture of such equipment.
   2. The pump controller shall be specifically designed for water and wastewater pumping automation utilizing built-in preconfigured control and telemetry strategies allowing pump up or down mode pump control of 1 to 3 pumps. "One of a kind" system hardware using custom software with a generic programmable controller will not be acceptable.
   3. The pump controller operating program shall be resident in non-volatile FLASH memory and include full-scale ranging and pump-up/down determination.
   4. The pump controller shall be arranged to operate up to three (3) pumps plus high and low (analog) alarms. The ON and OFF adjustments of each pump and alarm setpoint shall be full-range adjustable through use of a software configuration package or an optional operator interface keypad with appropriate security clearance. The controller operator display shall show the operation of each control stage.
   5. The pump controller shall include adjustable on-delay timing logic to provide staggered pump starting following a power failure condition. Adjustable off delay timing for each pump control stage shall provide smooth transition between control stages.
   6. The pump controller operating voltage shall support either a 120 Volts AC or 10–30 Volts DC power sources.
   7. A power on LED shall be built on board providing local indication that power is available to the unit.
   8. The unit shall be battery backed to provide continued system monitoring and alarm annunciation in the event of primary power failure. It also shall have built in battery charging circuitry to maintain and charge battery. Battery shall be sized to provide a minimum of four- (4) hours of back up power. Back up battery power will extend to necessary process sensors, local alarm lights, horns and telemetry equipment.

M. The pump controller shall be (furnished with) (available) with an optional user friendly "View-At-A-Glance™" operator interface allowing adjustment and viewing of all system parameters and status per the following. The operator interface shall be suitable for front door mounting including locations requiring wash-down and moisture protection.

1. The process variable signal, Pump 1, 2, & 3 On/Off and High & Low Setpoints, shall be displayed simultaneously via front panel mounted long lasting Ultra Bright LED bar graphs. These bar graphs shall be vertically mounted in parallel fashion to provide relational viewing of all setpoints vs. the measured process. Each display column shall have a minimum of 40 segments of resolution.
2. Each setpoint column shall have a status LED mounted on top of the associated setpoint providing indication of setpoint activation status. Units that require operator action to view the above parameters are not acceptable.
3. To assure the highest resolution and accuracy, the process display shall be configured to display the full range of the actual measured process. Range can also be offset allowing display of a pressure or level range that does not start at zero. The display ranges shall be field configurable.
4. System pumps on/off and alarm setpoint parameters shall be easily adjustable via individual up and down pushbutton arrows located next to the associated setpoint display column(s).
5. The unit shall have a built in process simulation capability allowing the operator to verify system operation by forcing the process variable up or down via pushbutton arrows located next to the process display. To prevent accidentally leaving the unit in simulation mode, the pump controller shall be configured to automatically restore monitored process display within 2 minutes after last keypad usage or immediately upon operator initiated restore.
6. The display unit shall incorporate a high contrast LCD panel allowing for viewing of higher level functions including the following:
   a. Process display to XX.X of the full scale process range.
   b. Time and Date Stamped Alarms & Events
   c. Pump Statistics (Including Run Time, Number Of Starts, Daily Average Number Of Starts)
   d. system diagnostics
   e. Controller Security
   f. Cellular communication diagnostics

   The LCD shall operate in a manual scrolling menu mode with the various displays shown in sequence as selected by the keypad's up/down arrow keys.
7. Unauthorized Station Entry Detection

N. The pump controller shall be able to monitor two- (2) user selectable 4-20 mADC or 0-10 VDC or 5 VDC analog inputs representing the process variable to be control The pump controller shall provide on board 24 VDC loop power output for external loop powered field mounted sensor. A built-in analog supply voltage status LED shall indicate availability of loop power. The analog input circuitry shall provide optical group isolation from the main board to the field device. The analog process signals shall be displayed locally via 40 segment vertical LED display and the LCD digital display as specified above.

O. The pump controller shall have the ability to monitor up to sixteen- (16) digital inputs, which shall provide monitoring of local facility discrete status. Each digital input shall provide optical isolation from the main board to the field device. A minimum of 1500 volts electrical isolation shall be required. An on board LED

shall be provided indicating that digital input isolation is not compromised. The following inputs shall be monitored:

1. Pump 1, 2, 3 Run – This signal shall be used to provide local display of pump run status, pump total run time, pump average daily starts. For each pump.
2. Pump 1, 2, 3 In Auto – This signal shall be used by the controller to determine pump availability. A pump in this mode cannot be called into operation.
3. Pump 1, 2, 3 High Temperature/Seal Failure – This signal shall be used by the controller to disable the pump required when a High Temperature is the cause of the failure, and provide local alarm display. Controller shall be able to differentiate alarm. A Seal Failure shall not disable pump operation.
4. High & Low Float/Pressure – This signal shall be used by the controller to provide back up control of the pumps in the event of primary (analog) sensor failure.
5. Pump Inhibit – This signal shall be used by the controller to inhibit pumps from operating.
6. Power Quality – This signal shall be used by the controller to disable pumps in the event incoming station power is unsuitable for use as determined by an optional external power monitoring device.
7. Door Switch & Door Acknowledge– These signals shall be used by the controller to monitor station access as detected by an optional external door/limit switch an optional external alarm disabling switch.
8. Alarm Silence – This signal shall be used by the controller to monitor an optional external silence push button and will temporarily disable the alarm horn output.

P. The pump controller shall provide a total of seven- (7) digital outputs for interface to local pumps and alarm annunciation discrete equipment.
   1. Provide five- (5) relay isolated contact outputs for activation of Pump 1, Pump 2, Pump 3, Common Alarm and Alarm Horn shall be provided. Each contact shall be rated for a minimum of 10 amps at 120 VAC or 5 Amps at 240 VAC.
   2. Provide two- (2) open collector outputs for Low and High Level Alarm shall be provided for interface to off board monitoring equipment. Open collector outputs shall have a minimum operating range of 5-30 VDC @ 100 mADC.

Q. The pump controller shall provide one- (1) 4-20 mADC (1-5 VDC) analog output for interface to external equipment including VFDs, Chart Recorders or other analog monitoring devices.

R. The pump controller shall have built-in standard operator adjustable alternation functions allowing for sequencing and equalizing wear of the pumps. The following alternation sequences shall be supported:
   1. Fixed
   2. Rotary
   3. First On First Off (FOFO)
   4. Utilize One Favor Others (UOFO)
   5. Emergency Mode

S. Provide built-in Pump Failure detection logic integral to the pump controller unit. In the event the pump has been called into operation and the pump run signal is not received within a pre-adjustable time period. A motor failure shall be produced. The failed motor shall be disabled, an alarm shall be displayed and the next available pump based on the selected alternation sequence shall be requested to start.

T. The pump controller shall include a volumetric lift station flow and pump performance monitoring capability allowing station flow measurement without the use of an in line flow meter. In addition to flow measurement, the pump controller shall provide pump performance related information. Pump station flow and pump performance data shall be viewable locally through built in LCD or available for telemetry transmission to master station. The following information is to be provided:

1 Average Station Influent Flow Rate
2 Maximum Station Influent Rate (K Gal) w/Date & Time
3 Current Day Total Effluent Flow (K Gal)
4 Previous Days Total Effluent Flow (K Gal)
5 Average Daily Effluent Flow (K Gal)
6 Maximum Daily Effluent Flow (K Gal) w/Date & Time
7 Total Station Effluent Flow (K Gal)
8 Average Flow Rate Pump 1, 2, 3 Over All Cycles (GPM) – Each Pump
9 Average Flow Rate Pump 1, 2, 3 Over Last Three Cycles (GPM) – Each Pump
10 Total Flow Pump 1, 2, 3 (K Gal) – Each Pump
11 Flow Rate Pumps 1, 2 (K Gal)
12 Flow Rate Pumps 1, 3 (K Gal)
13 Flow Rate Pumps 2, 3 (K Gal)
14 Flow Rate Pumps 1, 2, 3 (K Gal)
15 Pump 1, 2, 3 Low Flow Rate Alarm (Setpoint) – Each Pump
16 Pump 1, 2, 3 Run Time – Each Pump
17 Pump 1, 2, 3 Number Of Starts – Each Pump
18 Pump 1, 2, 3 Average Number Of Starts – Each Pump

U. In addition to the pump and alarm control capability, the controller shall provide alarm annunciation. The controller upon the occurrence shall initiate a local alarm audible device and flash the alpha-numeric display providing the following functionality:

1. The display shall indicate the alarm description, complete with the time and date of the alarm occurrence.
2. An acknowledge pushbutton shall be provided to allow silencing of the audible device while the digital display will continue to show the alarm function, complete with time and date information, until the condition has cleared.
3. A built-in alarm and status historian shall retain the last 100 time and date stamped events providing a historical record of recent activity.

V. The pump controller shall have two- (2) RS-232C serial communications ports that shall be available for the required system wide telemetry communication.

1. These serial communication ports shall support both a traditional SCADA system telemetry link and a cellular Internet communications link.
2. Optional redundant communication capability shall be available supporting the radio or telephone communication as the main and the cellular Internet communication as the backup.
3. Each of the serial communication ports shall support open communication standards including as a minimum, MODBUS, IntraLink Open and DF1.

4. Pump controller communication ports shall support communication data rates of 1,200 to 38,800 baud rates configurable and as required by the selected communication networks.
5. On board communication diagnostic LED indicators shall be available to provide indication of communications activity for verification and troubleshooting.

W. The Cellular Internet Web-based Pump Telemetry Controller shall be the Link2Site or approved equal system complete with the required hardware, equipment and software as manufactured by Siemens Water Technologies.

CITY OF EDINBURG
BID FORM FOR
LINK2SITE SYSTEM

BID NO. 2015-25

BID OPENING DATE: November 03, 2014 at 3:00 p.m.

I/We submit the following bid in **ORIGINAL FORM** for **LINK2SITE SYSTEM** according to City of Edinburg requirements, less tax:

NOTE: In addition to responding to our "local" solicitation for bids/proposals vendors/contractors are encouraged to provide pricing on the above referenced items/products/services based on Buyboard, H-GAC, TXMAS and/or any other State of Texas recognized and approved cooperative which has complied with the bidding requirements for the State of Texas (any and all applicable fees must be included). All cooperative pricing must be submitted on or before bid/proposal opening date and hour.

CHECK ONE

☐ **BUYBOARD** ☐ **H-GAC** ☐ **TXMAS** ☐ **DEALER/LOCAL**
☐ **TX DIR** ☐ **TFC** ☐ **OTHER** _____
Specify

CONTRACT NUMBER: _____ (If applicable) COMMODITY NUMBER: _____ (If applicable)

ITEM	QUANTITY	DESCRIPTION	EXTENDED PRICE
1	1	LS #1 – 1855 E. CANTON RD. (FAIRHAVEN LS)	$_____
2	1	LS #13 – 1300 S. 25TH & HWY 281 (FRONTAGE, NEAR COUNTY FACILITY)	$_____
3	1	LS #15 – 9860 N. ALAMO RD.(CARMEN AVILA SCHOOL)	$_____
4	1	LS #29 – 3101 W. HWY 107 (UNIVERSITY PARK/LAS ALAMEDAS)	$_____
5	1	LS #32 – 2702 W. FREDDY GONZALEZ (LA ESTANCIA SUBD)	$_____
6	1	LS #39-2850 W. MILE 17½ (ENCINOS ESCONDIDOS SUBD.)	$_____
7	1	LS #43-3201 N. MONMACK & MONTE CRISTO (PRIMAROSA SUBD)	$_____
		GRAND TOTAL	$_____

The City reserves the right to increase or decrease the quantities depending on availability of funds.

BID FORM FOR LINK2SITE SYSTEM (Continued):

All Addenda issued in respect to this project shall be considered official changes to the original bidding documents. It shall be the Bidder(s) responsibility to ensure that all Addenda have been received. Furthermore, bidders are advised that they must recognize, comply with, and attach a signed copy of each Addendum which shall be made part of their Bid Submittal. Bidder(s) signature on Addenda shall be interpreted as the vendor's "recognition and compliance to" official changes as outlined by the City of Edinburg and as such are made part of the original bidding documents.

Does the Company have an office located in Edinburg, Texas? Yes _____ No_____

Has the Company ever conducted business with the City of Edinburg? Yes _____ No_____

Respectfully submitted this _____ day of _____, 2014.

SIGNATURE: _____

TYPE/PRINT NAME: _____

TITLE: _____

COMPANY: _____

ADDRESS: _____

_____

TELEPHONE NO.: _____

FAX NO.: _____

EMAIL: _____