



Department of Administrative Services Purchasing and Contracts

500 S Grand Central Pky 4th Fl • Box 551217 • Las Vegas NV 89155-1217
(702) 455-2897 • Fax (702) 386-4914

Sabra Smith Newby, Chief Administrative Officer
Adleen B. Stidhum, Purchasing Manager



CLARK COUNTY, NEVADA BID NO. 603931-15 FIRE STATION NO. 22: FUEL STATION INSTALLATION

April 4, 2016

ADDENDUM NO. 8

INVITATION TO BID

1. The Bid opening date has been rescheduled to **April 18, 2016 at 2:15:00 p.m.**

BID FORM

2. **Delete:** Addendum No. 4 issued Bid Form pages 4-1 through 4-4 and **replace** with the attached revised Bid Form pages 4-1 through 4-5.

SPECIFICATIONS

3. **Delete:** Addendum No. 3 issued Shields, Harper & Co. Quote #32-103355 and **replace** with the attached: **Asset Works Fuel Focal Cost Proposal.**
4. **Delete:** original issued Section 01 35 53 Security Procedures in its entirety and **replace** with the attached revised: Section 01 35 53 Security Procedures.
5. **Delete:** original issued Section 23 12 16 Fuel Dispensers – Pressurized Supply in its entirety and **replace** with the attached revised: Section 23 12 16 Fuel Dispensers – Pressurized Supply.
6. **Delete:** original issued Section 23 13 23 Double-Wall Fire-Protected Above Ground Steel Storage Fuel Tank in its entirety and **replace** with the attached revised: Section 23 13 23 Double-Wall Fire-Protected Above Ground Steel Storage Tank.
7. **Delete:** original issued Section 28 23 00 Video Surveillance in its entirety and **replace** with the attached revised: Section 28 23 00 Video Surveillance.
8. **Delete:** original issued Section 28 31 50 Petroleum Leak Monitoring System in its entirety and **replace** with the attached revised: Section 28 31 50 Petroleum Leak Monitoring System.

DRAWINGS

9. **Insert:** attached Sheet SKE-1 dated 01/21/16 (Clarification to Detail #1 on original Sheet ES1.01).
10. **Insert:** attached Sheet SKE-2 dated 01/21/16 (Clarification to Detail #2 on original Sheet ES1.01).

QUESTIONS AND ANSWERS

1. Question: "In the specification portion of the bid packet, there is a portion requesting daily manpower and inventory sheets be turned in on weekly basis. Is this actually needed?"
Answer: Yes. Please provide per Specification Section 01 31 19 - Project Meetings, Part 1, Paragraph 1.03.F, Sub-paragraphs 1 and 2.

2. Question: "If awarded, are we going to be required to employ a certified scheduler?"
Answer: Refer to Specification Section 01 32 16 Progress Schedules, Part 1, and Paragraph 1.02 A through D.
3. Question: "If awarded, are we going to be required to employ a licensed photographer for quality assurance and aerial photos?"
Answer: Refer to Specification Section 01 32 33 Photographic Documentation, Part 1, Paragraph 1.03, Subparagraph A.
4. Question: "Can the Fuel Tank, Fueling Dispensers and other components "NOT" particular to or integrated within the currently operating Clark County Fuel Management and control systems be competitively bid?"
Answer: Yes. The Fuel Tank, Fueling Dispensers and other component is not part of the Clark County system as is currently operating for Fuel Management, Control and Monitoring Systems can be competitively bid. It is the Bidder responsibility to ensure that material or product/ equipment conforms to or exceeds specified requirements.

CLARIFICATIONS

5. Bidders must verify with Suppliers/ Manufacturers of System compliance with Stage 1 vapor control requirements (see attached), Clark County Department of Air Quality (CCDAQ) Management Compliance Advisory: Gasoline Dispensing Operations.

Successful Contractor shall provide as part of close out documents a submittal of compliance in accordance with Division One Specification Section 01 33 00 Submittal Procedures, for Architect's/Engineer's review.

Except as modified herein all other bid specifications, term and conditions and special conditions shall remain the same.

ISSUED BY:


SANDY MOODY-UPTON
Purchasing Analyst II

Attachment(s): Revised Bid Form Pages 4-1 through 4-5
Asset Works Fuel Focus FMS System proposal
Specification Section 01 35 53 Security Procedures
Specification Section 23 12 16 Fuel Dispensers – Pressurized Supply
Specification Section 23 13 23 Double-Wall Fire-Protected Above Ground Steel Storage Tank
Specification Section 28 23 00 Video Surveillance
Specification Section 28 31 50 Petroleum Leak Monitoring System
Clark County Department of Air Quality (CCDAQ) Management Compliance Advisory: Gasoline Dispensing Operations
Sheet SKE-1
Sheet SKE-2

Cc: Chuck James, Real Property Management
Brian Connolly, Real Property Management
Peter Umoh, Real Property Management
Tom Penn, Winston H. Henderson Architects
Winton H. Henderson, Winston H. Henderson Architects

CLARK COUNTY, NEVADA
BID FORM
BID NO. 603931-15
FIRE STATION NO. 22: FUEL STATION INSTALLATION
PWP NUMBER: CL-2016-82
Revised per Addendum No. 8

(NAME)

(ADDRESS)

I, THE UNDERSIGNED BIDDER:

1. Agree, if awarded this Contract, I will complete all work for which a Contract may be awarded and to furnish any and all labor, equipment, materials, transportation, and other facilities required for the services as set forth in the Bidding and Contract Documents.
2. Have examined the Contract Documents and the site(s) for the proposed work and satisfied themselves as to the character, quality of work to be performed, materials to be furnished and as to the requirements of the specifications.
3. Have completed all information in the blanks provided and have submitted the following within this Bid:
 - a) Have listed the name of each Subcontractor which will be paid an amount exceeding five percent (5%) of the Total Base Bid amount.
 - b) Attached a bid security (in the form of, at my option, a Cashiers Check, Certified Check, Money Order, or Bid Bond in favor of the Owner in the amount of five percent (5%) of the Total Base Bid amount.
 - c) If claiming the preference eligibility, I have submitted a valid Certificate of Eligibility with this Bid.
4. I acknowledge that if I am one of the three apparent low bidders at the bid opening, and if I have listed Subcontractor(s) pursuant to NRS 338.141, I must submit Bid Attachment 2 within two-hours after completion of the bid opening pursuant to the Instructions to Bidders, forms must be submitted via hand delivery or email to COUNTYPURCHASING@CLARKCOUNTYNV.GOV and I understand that hand delivery is recommended, and Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission after the two-hour time limit is not allowed and will be returned to me and the bid will be deemed non-responsive. I acknowledge that for all projects, I will list:
 - a) My firm's name on the list if my firm will perform any work which is more than 1 percent of the prime contractor's total bid and which is not being performed by a subcontractor. The prime contractor shall also include on the list:
 - 1) A description of the labor or portion of the work that the prime contractor will perform: or
 - 2) A statement that the prime contractor will perform all work other than that being performed by a subcontractor listed.
 - b) The name of each first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will be paid an amount exceeding \$250,000.
 - c) If I will employ a first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will not be paid an amount exceeding \$250,000, the name of each first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will be paid 1 percent of the prime contractor's total bid or \$50,000, whichever is greater.
5. I acknowledge that if I am one of the three apparent low bidders at bid opening, and if I have submitted a valid Certificate of Eligibility as described in 3.c above, I must submit Bid Attachment 3, Affidavit Pertaining to Preference Eligibility, within two-hours after completion of the bid opening pursuant to the General Conditions. The forms must be submitted via hand delivery or email to COUNTYPURCHASING@CLARKCOUNTYNV.GOV and I understand hand delivery is recommended. Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission of the Certificate after the two-hour time limit is not allowed and it will be returned to me and the bid will be deemed non-responsive.
6. I acknowledge that if notified that I am the low bidder, I must submit the Disclosure of Ownership/Principals form within 24-hours of request.

7. I acknowledge that if I am one of the three apparent low bidder(s) for the base bid at the bid opening, I must submit the Bid Attachment 4, Schedule of Values, by 12:00 Noon of the next business day.
8. I acknowledge that my bid is based on the current State of Nevada prevailing wages.
9. I acknowledge that I have not breached a public work contract for which the cost exceeds \$25,000,000, within the preceding year, for failing to comply with NRS 338.147 and the requirements of a contract in which I have submitted within 2 hours of the bid opening an Affidavit pertaining to preference eligibility.
10. Upon faxed or mailed receipt of Owner's written request for insurance, I will provide the following submittals within ten (10) business days from receipt of the Notice:
 - a) Performance Bond, Labor and Material Payment Bond and a Guaranty Bond, for 100% of the Contract amount as required.
 - b) Certificates of insurance for Commercial General Liability in the amount of \$1,000,000, Automobile Liability in the amount of \$1,000,000, and Workers' Compensation insurance issued by an insurer qualified to underwrite Workers' Compensation insurance in the State of Nevada, as required by law.
11. I acknowledge that if I do not provide the above submittals on or before the tenth business day after receipt of the Owner's written request for insurance; or do not keep the bonds or insurance policies in effect, or allow them to lapse during the performance of the Contract; I will pay over to the Owner the amount of **\$250** per day as liquidated damages.
12. I confirm this bid is genuine and is not a sham or collusive, or made in the interest of, or on behalf of any person not herein named, nor that the Bidder in any manner sought to secure for themselves an advantage over any bidders.
13. I further propose and agree that if my bid is accepted, I will commence to perform the work called for by the contract documents on the date specified in the Notice to Proceed and I will complete all work within the calendar days **specified in the General Conditions.**
14. I further propose and agree that I will accept as full compensation for the work to be performed the price written in the Bid Schedule below.
15. I have carefully checked the figures below and the Owner will not be responsible for any error or omissions in the preparation or submission of this Bid.
16. I agree no verbal agreement or conversation with an officer, agent or employee of the Owner, either before or after the execution of the contract, shall affect or modify any of the terms or obligations of this Bid.
17. I am responsible to ascertain the number of addenda issued, and I hereby acknowledge receipt of the following addenda:

Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____

18. I acknowledge that I have read the Administrative Notice to Proceed as specified in the General Conditions, and also in the Specification Section 01 35 53 Security Procedures, and will comply with them.

19. I agree to perform all work described in the drawings, specifications, and other documents for the amounts quoted below:

ITEM NUMBER	ITEM DESCRIPTION	LUMP SUM
1.	FIRE STATION NO. 22: FUEL STATION INSTALLATION, AS SPECIFIED	\$
2.	PERMITS AND FEES BID ALLOWANCE	\$ 5,000
3.	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK ALLOWANCE	\$ 48,000
4.	DUST CONTROL, AS SPECIFIED	\$
5.	STORMWATER POLLUTION, AS SPECIFIED	\$
6.	SCHNEIDER ELECTRIC	\$ 8,801
7.	ASSET WORKS FUEL FOCUS FMS SYSTEM	\$28,385.72
	TOTAL BID AMOUNT	\$

20. BUSINESS ENTERPRISE INFORMATION:

The Prime Contractor submitting this Bid is a MBE WBE PBE SBE VET DVET ESB as defined in the Instructions to Bidders.

21. BUSINESS ETHNICITY INFORMATION:

The Prime Contractor submitting the Bid Ethnicity is Caucasian (CX) African American (AA) Hispanic American (HA) Asian Pacific American (AX) Native American (NA) Other as defined in the Instructions to Bidders.

22. BIDDERS' PREFERENCE Is the Bidder claiming Bidders' Preference?

- Yes If yes, the Bidder acknowledges that he/she is required to follow the requirements set forth in the Affidavit (Bid Attachment 3).
 No I do not have a Certificate of Eligibility to receive preference in bidding.

23.

LEGAL NAME OF FIRM AS IT WOULD APPEAR IN CONTRACT

ADDRESS OF FIRM

CITY, STATE, ZIP CODE

TELEPHONE NUMBER

FAX NUMBER

NEVADA STATE CONTRACTORS' BOARD LICENSE INFORMATION:

I certify that the license(s) listed below will be the license(s) used to perform the majority of the work on this project.

LICENSE NUMBER: _____

LICENSE CLASS: _____

LICENSE LIMIT: _____

ONE TIME LICENSE LIMIT INCREASE \$ _____ IF YES, DATE REQUESTED _____

CLARK COUNTY BUSINESS LICENSE NO. _____

STATE OF NEVADA BUSINESS LICENSE NO. _____

AUTHORIZED REPRESENTATIVE
(PRINT OR TYPE)

E-MAIL ADDRESS

SIGNATURE OF AUTHORIZED REPRESENTATIVE

TODAY'S DATE

COST PROPOSAL

Presented To

**Fire Station No. 22: Fuel
Station Installation**



Presented By:

AssetWORKS

Point of Contact:

Joseph Basile, Vice President

AssetWorks

998 Old Eagle School Road

Wayne, PA 19087

Phone: (610) 228-0120

Email: joseph.basile@assetworks.com



Fire Station No. 22: Fuel Station Installation
FuelFocus FMS System
RP.A0315027

FUELFOCUS CONTROLLERS	QUANTITY	DISCOUNTED LIST	EXTENDED LIST
FuelFocus RF Controller - 4 Hose	1	\$ 12,059.95	\$ 12,059.95
FUELFOCUS CONTROLLER OPTIONS			
High Power RF Controller Antenna w/mast	1	\$ 660.00	\$ 660.00
Mag Card Option	1	\$ 247.39	\$ 247.39
HID Option	1	\$ 380.60	\$ 380.60
UPS Power Conditioners	1	\$ 119.37	\$ 119.37
SOFTWARE & INTEGRATION LICENSES			
FleetFocus Integration License	1	\$ 2,495.00	\$ 2,495.00
Veeder Root Integration (per site if multiple sites)	1	\$ 1,295.00	\$ 1,295.00
NOZZLE TAGS			
Universal Nozzle Tag	4	\$ 233.55	\$ 934.20
PROFESSIONAL SERVICES			
Fuel Master Technician <i>on site terminations and start up</i>	16	\$ 205.00	\$ 3,280.00
Fuel Software Installer/Trainer <i>Installs software, trains customer on setup & reports</i>	4	\$ 205.00	\$ 820.00
Remote Start Up Assistance	4	\$ 205.00	\$ 820.00
Fleet/Fuel Project Manager	4	\$ 235.00	\$ 940.00
Travel Expenses (estimated) <i>Billed at actual at job completion</i>	1	\$ 2,000.00	\$ 2,000.00
MAINTENANCE & SUPPORT			
Maintenance & Support - Year One	1	\$ 758.00	\$ 758.00
SHIPPING OPTIONS			
Standard Shipping	1	\$ 95.00	\$ 95.00
PROJECT SUBTOTAL			\$ 26,904.51
Clark County Tax @8.1%			\$ 1,481.21
PROJECT TOTAL COST			\$ 28,385.72

NOTES/ASSUMPTIONS

1. This quote is based on site being "FMS Ready". FMS Ready means that all FMS System pedestals will be mounted to the appropriate location. All conduits will be connected between the FuelFocus Controllers and pumps, junction boxes and breaker panels. Assumes all dispensers have pulsers and are fuel system compatible. All wires will be pulled and left disconnected at each end. See full FMS Ready description below.
2. Does not include permits, permit fees or site as built drawings.
3. Subject to any applicable state and/or local sales tax, import duties, PST, VAT.
4. Warranty is one (1) year parts with telephone help desk support. Extended warranty plans are available for subsequent years. Warranty expires at 12 months from date of install or 15 months from date of shipment, whichever comes first.
5. Client must have a tested network connection at the fuel island. This connection needs to be able to ping the FleetFocus Server successfully. Delay of this connectivity could result in additional time being added to contract.

Following represents a checklist of items that need to be performed to comply with "FMS Ready".

- 1) Have an electrical contractor mount the FMS System pedestals and fasten to concrete.
- 2) Conduit Requirements - Have electrician run a conduit from the master dispensers to pedestal as needed. Our electrical requirements to each FMS Controller are as follows:
 - a. We will need dedicated power from a circuit breaker panel to each FMS Controller. The power for each FMS Controller can be pulled off one circuit breaker.
 - b. We will need a dedicated conduit back to the building from each FMS Controller for communication wiring unless RF LAN connectivity will be used. These may be looped also. Please note that a maximum cable length for CAT5 is 300 feet.
 - c. We will need one conduit from the pedestal to be terminated in the dispenser electrical junction box.
 - d. We will either need:
 1. A second conduit from the pedestal to the pulser junction box in the dispenser, or
 2. The pulser junction box in the dispenser piped over to the electrical junction box in the dispenser
 - e. Contractor must mount WAF Antenna centrally to all fuel lanes if WAF option is purchased. Must have conduit from nearest ICU to this point. Please discuss location with AssetWorks Project Team.
 - f. (For Transit Lanes only) Mount Banner sensor in each fuel lane and run conduit from sensor to respective FMS Controller.
- 3) Cable Requirements - Have electrician pull the following cables - leaving at least three feet extra to extend above the top of the pedestal and as much as possible to fit in the electrical junction box within the dispensers: The items lettered below correspond with the same letter of the conduit above.
 - a. Three 14AWG minimum THHN gas/oil resistant wires for power, neutral, ground to each FMS Controller from breaker panel. Terminate at panel, wire nut FMS System ends and mark breaker. Lock breaker in off position
 - b. Pull whatever cable is appropriate based on client demands and location parameters to ensure a reliable TCP/IP ethernet connectivity at the fuel island to each Island Control Unit. This may be a CAT5 cable, fiber optics or RF Ethernet connectivity. If the TLS Interface option is chosen, there are two methods of connecting the Veeder Root console to FuelFocus. The first method is via a RS232 card installed in the Veeder Root (client responsibility). While this is a less expensive option – RS232 is only rated to communicate effectively if the distance between the Veeder Root and the nearest FuelFocus Controller does not exceed fifty (50) feet. If RS232 is used, a four conductor shielded cable must be installed between the two. Veeder Root connectivity can also be achieved via TCP/IP as an option. This method requires the installation of a ethernet card in the Veeder Root console, and then a CAT5 network connection run from the clients network to the Veeder Root – keeping in mind CAT5 distance limitations shown above. Procurement, installation, and configuration and programming of either method are the client responsibility.
 - c. Pull four 14AWG minimum THHN gas/oil resistant wires to each pump/dispenser (eight if it is a two hose pump/dispenser) electrical junction box for control wiring. One of these wires should be white for neutral. Dispenser must be able to handle wired hot at all times when using WAF technology and solenoid will be used for system control.
 - d. Pull a four conductor 22AWG minimum shielded cable to the dispenser for pulser communication. Please consult with an AssetWorks technician if these distances exceed three hundred (300) feet.
 - e. Pull the CAT5 wire included with WAF Antenna to the ICU along with a single 14AWG THHN green wire for grounding purposes.
 - f. (For Transit Lanes only) Pull included cable for Banner Sensor through conduit. Extend length if needed.
- 4) Call AssetWorks to schedule a date for final terminations when all of the above is done.

Note - all wiring and conduits described above are what is needed for FMS System control only. This document assumes the station and dispensers to be wired already.

TERMS OF USE

Price/Specifications

Price and specifications are subject to change without notice. AssetWorks is not responsible for typographical and/or photographic errors.

PAYMENT TERMS

Net 30. All hardware will be billed upon delivery. All FuelFocus Integration Licenses will be billed upon delivery of hardware. Services will be billed monthly as performed.

MISSING, DAMAGED, OR INCORRECT ORDERS

Please inspect all orders upon receipt. Please email fuelsupport@assetworks.com to request an RMA for any missing, damaged, or incorrect orders. You may also call 610-225-8350.

RETURN POLICY

AssetWorks products may be returned within 30-days of invoice date for refund, replacement, or exchange. All product returns must have a Returned Merchandise Authorization (RMA) number issued by AssetWorks marked clearly on the return package, or the package will be refused, and no credit will be issued.

To request an RMA, please email fuelsupport@assetworks.com. RMAs are valid for 15 days from the date of issuance.

The following information is required for all RMAs:

The invoice or packing list number

The product name and part number

Company name, point of contact, mailing address, email address, and telephone number

A reason for the return

If you wish to make a return or exchange, you must present the merchandise within 30 days of purchase. All goods must be returned in their original packaging. If the items are not received in their original and unused condition, a minimum re-stocking fee of 18% will be charged. Product that has been used will not be accepted for return or exchange unless under warranty or maintenance contract. Product that has been altered without the specific authorization by AssetWorks Inc. will not be accepted.

Send returns with the RMA number clearly marked on the package to:

AssetWorks, Inc.

Attn: RMA Department

998 Old Eagle School Road, Suite 1215

Wayne, PA 19087

All returns will be processed and fully inspected. All products must be returned in original condition including packaging, manuals, and accessories (as applicable).

Return Shipping

All returns must be shipped freight pre-paid.

Unauthorized or Refused Returns

Packages without a Return Authorization Number will be refused. Additional charges may apply if all peripherals and accessories are not returned in the original packaging.

Returns Older than 30 Days

Returns older than 30 days from the invoice date will be subject to a 25% restocking fee. Only product that is in current production will be accepted and an RMA must be obtained in advance and clearly marked as stated above. No refunds will be given.

ASSETWORKS INC. LIMITED WARRANTY

Warranty coverage for AssetWorks Inc. (FuelFocus) products are described below. Additional support coverage can be purchased with your AssetWorks products. Please consult your local AssetWorks sales professional for annual support and services fees.

The terms and conditions governing your warranty on AssetWorks products are located below. Such terms and conditions supersede all other terms, unless otherwise agreed by AssetWorks.

Warranty Start Date

"Start Date" as used in this policy means the date this product is shipped from AssetWorks manufacturing plus three (3) months or the FuelFocus go live date, whichever comes first.

Limited Hardware Warranty

AssetWorks, Inc. ("FuelFocus") provides a one (1) year limited product hardware warranty to purchasers of FuelFocus products. AssetWorks warrants that the product hardware will be free from defects in materials and workmanship during the warranty period, subject to the following:

Labor and travel costs are not included, unless required under contract specific terms.

AssetWorks will supply new or rebuilt parts to replace parts that are found to be defective while within the warranty period.

New installations must be registered with the FuelFocus Support Center within 48 hours of installation to receive warranty benefits, otherwise, the warranty period commences on the date of the invoice.

Help Desk Support is available between the hours of 8:00AM- 5:00PM Monday through Friday Upon a Hardware System Failure,

AssetWorks will repair or replace such product hardware within fourteen (14) working days of its receipt of the failed hardware, if in advance of its receipt, such hardware (1) was evaluated by AssetWorks Technical Support in person or via telephone, and (2) received a Technical Support RMA number from AssetWorks.

Further, the product hardware must be shipped, shipment pre-paid, to AssetWorks, and the RMA number must be clearly indicated on the shipping box and papers.

Problems caused by faulty installation are not covered under this warranty. This warranty applies only if the equipment has been installed and used in accordance with the AssetWorks Installation Manual.

Use of service personnel other than qualified AssetWorks service providers without prior written approval of the FuelFocus Product Manager will void the warranty claim.

Use of non AssetWorks replacement parts, defects caused by the use of unauthorized addition of non AssetWork parts, or by the unauthorized alteration of FuelFocus parts or equipment will void this warranty.

Damage suffered by FuelFocus equipment resulting from shipping, accident, power surges, neglect, misuse, acts of Nature, or abuse are not covered by this warranty.

Limited Software Warranty

AssetWorks provides a one (1) year limited software warranty to licensees of FuelFocus software accompanying AssetWorks hardware. AssetWorks warrants that the media on which the software is delivered will be free of defects in material and workmanship for a period of one (1) year following delivery of the software to licensee. AssetWorks warrants that the software, when used in accordance with the terms of the AssetWorks software license, will operate substantially as set forth in the applicable AssetWorks Documentation for a period of one (1) year following delivery of the software to licensee.

Technical Support Access

During the warranty period, toll free phone support is offered 5 days per week (8 a.m. to 5:00 p.m., Monday through Friday, except holidays). Calls left after hours will be returned the next business day. Access to Technical Support after warranty period is on a commercially reasonable basis (unless a AssetWorks Support Contract is purchased for all systems owned by the customer).

Software Updates

During the warranty period, software updates for system software and software products released by AssetWorks are available by contacting AssetWorks Technical Support. System software updates include applicable minor releases (e.g. Release 2.0 to 2.1) to the AssetWorks family of products as well as major feature releases (e.g. Release 2.x to 3.0). Customer must have access to the Internet for Web Browser or FTP downloads as directed by Technical Support. Software updates released after the initial one (1) year warranty period are available as an upgrade product for the then applicable list price.

Warranty Limitations

AssetWorks's warranties as set forth herein ("Warranty") are contingent on proper use of the FuelFocus hardware and software ("Products") and do not apply if the Products have been modified without AssetWorks's written approval, or if the Products' serial number label is removed, or if the Product has been damaged. The terms of the Warranty are limited to the remedies as set forth in this Warranty.

THIS WARRANTY IS PROVIDED IN LIEU OF ALL OTHER RIGHTS, CONDITIONS AND WARRANTIES. ASSETWORKS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE SOFTWARE, HARDWARE, PRODUCTS, DOCUMENTATION OR ASSETWORKS SUPPORT, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS. ASSETWORKS DOES NOT WARRANT THAT ANY PRODUCTS WILL BE ERROR-FREE, OR THAT ANY DEFECTS THAT MAY EXIST IN ITS PRODUCTS CAN BE CORRECTED. IN NO EVENT SHALL ASSETWORKS BE LIABLE FOR COST OF PROCUREMENT OF SUBSTITUTE GOODS, LOST PROFITS OR ANY OTHER SPECIAL, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING BUT NOT LIMITED TO LOST DATA), HOWEVER CAUSED WHETHER OR NOT ASSETWORKS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Contact Us

For more information, please contact your AssetWorks sales representative.

INITIAL

The foregoing proposal is issued pursuant to the Terms of Use and Notes & Assumptions attached hereto. To accept this proposal and order the products and/or services, please initial each page and sign below and return to me via email or fax. Unless otherwise stipulated in a signed Statement of Work - this is a fixed price bid and will be invoiced in full.

joseph.basile@assetworks.com

Fax: 215-352-0401

In the event Customer's business practice require that the Customer issue a purchase order prior to payment of any invoices issued under this Agreement, then such purchase order number must be entered below and and purchase order may be attached hereto. Customer's execution of this order without designating a purchase order shall be deemed the Customer's acknowledgement that no purchase order number is required for payment of invoices hereunder.

Purchase Order #: _____

Purchase Order Amount: \$ 28,385.72

Accepted by Customer:

Accepted by AssetWorks Inc.

Customer Name: _____

AssetWorks Inc.
998 Old Eagle School Road,
Suite 1215
Wayne, PA 19087

Address: _____

Signature

Signature

Print Name

Print Name

Title

Title

Date Signed

Date Signed

Shipping Address:

Billing Address:

SECTION 01 35 53
SECURITY PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submittals
- B. Security Program
- C. Construction Security Fence
- D. Entry Control
- E. Clark County Security and Background Investigation Requirements
- F. Tool, Equipment and Material Control

1.02 SUBMITTALS

- A. Submit a detailed security plan outlining the Contractor's methods to control unauthorized entry to the Owner's building, and related construction areas.
- B. Submit shop drawings for construction security fence.
- C. Submit to the Owner a list of personnel by Name, Organization, and Trade assigned to the project

1.03 SECURITY PROGRAM

- A. At all times, conduct operations under the Contract Documents to avoid unauthorized entry and to avoid the risk of loss, theft, or damage by vandalism, sabotage, or other means to the Work or Owner's operations.
- B. At Project mobilization, initiate a security program to protect Work and Owner's operations from unauthorized entry or a risk of loss, theft, or damage to Contractor's property, Owner's property, and the Project Site. Security program must be approved by Owner.
- C. Promptly take all reasonable precautions that are necessary and adequate against any conditions that involve unauthorized entry or a risk of loss, theft, or damage to Contractor's property, Owner's property, and the Project Site.
- D. Continuously inspect Work, materials, equipment, and facilities to discover and determine any such conditions and be solely responsible for discovery, determination, and correction of any such condition.
- E. Cooperate with Owner on all security matters and promptly comply with any Project security requirements established by Owner. Such compliance with these security requirements shall not:
 - 1. Relieve Contractor of Contractor's responsibility for maintaining proper security for the above noted items.
 - 2. Be construed as limiting in any manner Contractor's obligation to undertake reasonable action as required to establish and maintain secure conditions at the Site.

- F. Prepare and maintain accurate reports of incidents of loss, theft, or vandalism and furnish these reports to Owner within 24 hours. No security trained dogs will be allowed as part of the Contractor's Security Measure for the project

PART 2 PRODUCTS

2.01 CONSTRUCTION SECURITY FENCE

- A. Provide perimeter fence around the construction site:
 - 1. Fence: Commercial grade 6-foot high chain-link panelized fence equipped with vehicle gates.
 - 2. Gates shall have locks.
 - 3. Contractor shall furnish shop drawings for approval before installing construction security fence.
 - 4. Chain link fence panels shall be supported with minimum 2'-0" long metal stakes.
 - 5. Sand bags shall not be used for construction security fence unless approved by Owner.

PART 3 EXECUTION

3.01 ENTRY CONTROL

- A. Install and maintain a perimeter fence around the construction site.
- B. Provide barriers to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
- C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage and theft.
- D. Employ a uniformed guard service to provide watchmen at site during non-working hours, through substantial completion. (Tier 1 – Watch Guard: For facilities that normally do not have County employees on duty or require public contact, but have assets such as parked vehicles that need to be protected.)
- E. Uniformed guard service shall be provided at project site during working and non-working hours as required to maintain security at areas where the Contractor's construction activities or operations have exposed the Owner's existing facility to possible unauthorized entry. Such an individual may be assigned the duties of access control at such a post until security is re-established by the Contractor to the satisfaction of the Owner. The uniformed guard service shall be provided whenever the security gate into the project site must be removed, until the gate has been properly re-installed and the site has been secured.

3.02 CLARK COUNTY SECURITY REQUIREMENTS

- A. Background Check Procedures
 - 1. All Contractors, Subcontractors and their personnel/employees required to access the site to perform work must submit to a thorough Clark County Background Investigation, which will be conducted by Clark County, and shall comply with this section.
 - 2. Each applicant must submit to Fingerprinting and provide their legal name, current address, date of birth and Social Security Number at the time of their scheduled appointment.
 - 3. Clark County will schedule fingerprinting appointments between the hours of 8:00 AM to 5:00 PM, Monday to Friday, excluding weekends and holidays. Owner will be processing the initial background checks at no processing cost to the Contractor or their Employees.
 - 4. Owner's approval process may take approximately six (6) to eight (8) weeks to produce results.
 - 5. Owner will notify the Contractor Representative when the background investigation is complete by informing the Contractor of Pass or Fail results. No specific reasons or justifications for the Pass or Fail determinations will be provided. A pass will result in

granted access to the site and/or building as applicable. A fail will result in denied access to the property, site, and building.

6. No Contractor or Subcontractor employee with a felony conviction or gross misdemeanor will be granted access to the project site or building.
7. Personnel with lesser offenses will be considered on a case-by-case basis.
8. The Owner reserves the right to refuse access to any of the Contractor's, Subcontractor's or tiered subcontractor's personnel. The time related labor cost required to schedule, coordinate, and send personnel to their fingerprinting appointments shall be included in Contractors and/or Subcontractors bid. The Owner will not reimburse the Contractor for the travel time or personnel time used to attend the fingerprint appointments. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
9. The Contractor shall designate a company representative whose duty is to effectively coordinate with the Owner and schedule properly sequenced fingerprint appointments.
10. The Contractor shall sequence the scheduling of trade personnel to fingerprint appointments in accordance with the Contractor's work flow schedule. Persons requiring access to the project during the initial periods of construction will be processed first.
11. Contractor will pay to the Owner (via deductive Change Order) an amount not to exceed \$50.00 for every missed and rescheduled appointment that failed to provide the Owner Representative or designee with forty-eight (48) hours advance notice in writing.
12. The Contractor shall maintain onsite a current list of personnel the Owner has granted access to the project and property. This list must be made available to the Owner representative upon request.
13. The initial background check approval is valid for one (1) year from the date the individual passed the background investigation. For projects that exceed one (1) year duration, the Contractor is responsible to coordinate with the Owner to renew the background investigation for personnel that must remain on the project. The time related labor cost for the renewal process shall be included with the Contractor's bid. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
14. Contractor shall confine daily operations to areas identified on the project drawings, approved project schedules, or as otherwise deemed appropriate by the Owner.

B. Contractor Employee Badging Procedures

1. Every Contractor employee or its Subcontractor employees accessing the site shall be identifiable by the Owner at all times and in compliance with this section.
 - a. Only Employees that have passed the Clark County background investigation check will have access to the Project site unless written approval otherwise has been granted by the Owner Representative.
 - b. All Contractor employees granted access to the site by the Owner shall be wearing clothing or equipment such as Company uniform, T-Shirt with Company Logo, Hard hat with Company logo, safety vest with company logo **AND** a laminated Identification Badge furnished by the General Contractor.
 - c. If the project requires the use of a Clark County issued Cardkey badge, then all Contractor and Subcontractor Employees are required to properly display the badge on their person at all times when on project site. Lost badges must be reported immediately.
2. Contractor Generated Identification Badges
 - 1) The Contractor shall create and issue laminated project identification badges adhering to the following standards:
 - a) Size: 4"x4" minimum.
 - b) Font Type: 16 point Arial at 1.0 line spacing
 - c) Line 1. Project Name
 - d) Line 2. Project Number
 - e) Line 3. Contractor Name
 - f) Line 4. Subcontractor Name and Trade
 - g) Line 5. Employee Name and Craft
 - h) Line 6. Issued date and Expiration date.
 - i) Line 7. Contractor's Project Manager Name and Signature.
 - j) Sample Badge

Project Name:
Project Number:
Contractor Name:
Subcontractor/Trade:
Employee Name/Craft:
Issue Date/Exp. Date:
Contractor's P.M.
P.M.'s Signature:
Phone No.:

- 2) Color of badge shall be Green for Employees who have been granted Owner access to the County Project Facility and Site. Badge color will be determined by the scope of work individual employees are performing
- 3) Color of badge shall be Red for Employees who have been granted Owner access to the County Project Site only. Badge color will be determined by the scope of work the individual employees are performing
- 4) It is the Contractor's responsibility to ensure all employees who are no longer on Project site surrender their Identification badge to the Contractor. Clark County vendor badge shall be surrendered to the Owner.
- 5) Each Clark County Vendor access Cardkey badge will be programmed or deprogrammed for electronic card key devices at the Owner's sole discretion.
- 6) The Owner reserves the option to issue card key type badges to designated Project Managers, Superintendents, and Foreman only and on an as needed basis. These personnel will be required to escort all other authorized employees and/or subcontractors that have been issued Contractor issued identification badges to and from the secured work zone(s).
 1. Contractor will be subject to a fine of Fifty Dollars (\$ 50.00) per each violation and person in violation if the Owner observes a Contractor or Subcontractor employee(s) working on the project site/facility without proper identification. Fines will be assessed by a deductive change order.
- 7) The Contractor must report lost or stolen badges to the Owner immediately upon discovery.
- 8) Time related labor cost for employees attending badge appointments is to be included as part of the Contractor's bid. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
- 9) The Contractor shall be responsible to surrender all issued vendor cardkey identification badges prior to submitting an application for payment of retention, with a spreadsheet listing of ID badges issued to date.
- 10) The Project Superintendent and the Project Manager will receive immediate access to project related card key devices upon issuance of a form Notice to Proceed by the Owner and successful completion of the Background check investigation.

3.03 TOOL, EQUIPMENT AND MATERIAL CONTROL

- A. Only tools, equipment and materials necessary to each day's activity shall be brought on to the project site during each scheduled shift.
 1. The Contractor shall coordinate vehicular access and egress within the security perimeter fences of the Owner's Property/Building with the designated Owner/End User Representative.

2. Equipment and vehicles used to load, off load, or perform work shall exit the secured perimeter area upon completion of the task and/or shift.
- B. Contractor's Superintendent shall maintain a daily inventory sheet of each item that enters the project site (i.e. equipment, hand tools, power tools, accessories and parts, supplies, materials, etc.)
- C. Owner may require the Contractor to remove all tools, equipment, and uninstalled materials from the site upon completion of each work day.
- D. Contractor shall not leave any unused materials, materials off cuts, construction debris, or trash in any part of the Owner's Project/Building. The Contractor shall perform a thorough inspection and clean-up of the entire construction zone, and access route prior to departing the site at the end of each shift.
- E. Contractor shall designate one person whose responsibility shall be to perform a thorough inspection of the work areas for items that need to be policed from the site.

END OF SECTION

SECTION 23 12 16

FUEL DISPENSERS – PRESSURIZED SUPPLY

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes requirements for two each: two hose dispensers; one for gasoline and one for diesel fuel.

1.2 REFERENCES.

Equipment and installation necessary to accomplish the work specified herein shall comply with the latest revisions of the applicable federal, state, and local codes and regulations concerning aboveground fuel storage and dispensing systems including but not limited to the following:

- A. National Electric Code (NEC), Article 513
- B. NFPA 30, National Fire Protection Association Flammable and Combustible Code
- C. NFPA 30A, National Fire Protection Association Automotive and Marine Service Station Code.
- D. Uniform Fire Code International Fire Code Institute.
- E. NFPA 70 (2012) National Electrical Code, with State of Nevada, Clark County and City of Las Vegas amendments
- F. Underwriters Laboratories Inc.:
 - 1. UL - Electrical Appliance and Utilization Equipment Directory.
- G. NAC: Chapter 590 – Motor Vehicle Fuel, Petroleum Products and Antifreeze

1.3 SYSTEM DESCRIPTION

- A. Card activated diesel and gasoline fuel dispensers with 2 hoses each.

1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings:
 - 1. Indicate dispenser and dispenser containment basin dimensions, anchorages, piping details and electrical/data connections including pipe supports and locations and sizes of all labels.
- C. Submit product data:
 - 1. Product nozzles, hoses and retrievers
 - 2. Product Dispensers with containment basin.
- D. Manufacturer's Installation Instructions

1.5 CLOSEOUT SUBMITTALS

- A. Section **01 77 00** - Execution and Closeout Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit maintenance service and inspection schedules.
- C. Warranty: Submit manufacturer warranty with forms completed in Owner's name and registered with manufacturer.

1.6 QUALIFICATIONS OF INSTALLER

- A. Company specializing in the installation of products specified in this section with minimum three (3) years documented experience.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Wrap and crate finished dispensers at factory to prevent damage or marring of surfaces during shipping and handling.
- C. Do not deliver to site until installation space is ready to receive dispensers.

1.8 COORDINATION

- A. Section **01 31 13** - Administrative Requirements: Coordination and project conditions.
- B. Coordinate with island concrete work, pipe installation, basin sensor, tank installation, fuel management system, and other mechanical and electrical work.

1.9 WARRANTY

- A. Section **01 77 00** - Execution and Closeout Requirements: Product warranties and product bonds.
- B. Furnish two (2) year manufacturer warranty for dispensers.
- C. Furnish two (2) year manufacturer warranty on nozzles, hoses and retrievers.

PART 2 PRODUCTS

2.1 Provide a single product dual hose UL listed full cabinet remote dispenser.

- A. Design Criteria
 1. Register: Volume only 1" back lighted LCD display
 2. Totalizer: Displayed on LCD by magnetic switch activation, Battery-backed.
 3. Pulser: Dual phase 1000:1 with error detection. Selectable pulse/gallon outputs.
 4. Meter: Three piston, positive displacement. Tested and calibrated for accuracy at any speed or pressure. Weights and Measures approved/scalable.
 5. Cabinet:
 - a. Finish: Top, sides and bezel painted black. Front panels painted white.

- Black acrylic graphic overlay on dial face.
- b. Construction: Hot-dipped galvanized steel panels for rust resistance.
- c. Lights: Fluorescent, illuminate product panels and register areas.
- 6. Filter: External high flow with hydrosorb element.
- 7. Design Basis: Gasboy Model # 9800K

B. Manufacturers:

- 1. Gasboy
- 2. Wayne

3. Or Equal System (to meet all project requirements, substitutions to comply with Division I - Section 01 25 00 Substitution Procedures)

2.2 COMPONENTS

- A. Dispenser Containment Basin: An integral dispenser mounting and containment assembly shall be provided. The basin shall contain spills from internal fittings inside the dispenser that contain product.
- B. Product Nozzles, Hoses and Hose Retrievers
 - 1. Safety accessories to include API Color coding, high hose retrievers, swivels, automatic color coded nozzles, breakaways, and double shear valves.
 - 2. Gasoline nozzles to be OPW #11, Diesel nozzles to be OPW #7H.
 - 3. Dispenser hose to be 16 feet long as manufactured by Goodyear or Dayco. Provide $\frac{3}{4}$ " for gasoline and 1' for diesel.
 - 4. Hose retrievers to be Universal Model #880 with 78" high posts, retractor ropes with Universal Model #100HB Hose Bun.
 - 5. Breakaway Coupling: Catlow, Inc., Husky Corp., Richard Industries, coupling separation at 200 pounds maximum pulling force; integral preventing seals activated upon coupling separation. Husky 2200 or equal. Include 6" whip hose at dispenser.
- C. Card Activated Fuel Management System. - The AssetWorks FuelFocus System as specified by OWNER / End User. The Contractor will be responsible for the acquisition and installation of all equipment, conduit, power and data lines, and anchorage for the cabinet. Final connections will be by others.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section **01 31 13** - Administrative Requirements: Coordination and project conditions.
- B. Verify surfaces and prepared openings are ready to receive work and opening dimensions are as indicated on shop drawings.

3.2 INSTALLATION

- A. Set containment basins in place and align; install sensors. Secure dispensers. Connect electrical power, data lines and piping from tank, and fuel management system as applicable.

3.3 FIELD QUALITY CONTROL

- A. Section **01 45 00** - Quality Requirements and **01 77 00** - Execution and Closeout

Requirements: Field inspecting, testing, and adjusting.

- B. Test fuel distribution system according to NFPA 30. Replace leaking joints and connections with new materials.
- C. Before activating the system perform these steps:
 - 1. Flush system piping with grade of fuel to be used by owner to remove any debris and foreign matter in piping prior to filling tank for the first time. Service all system filters and screens and dispose of fuel in accordance with EPA and NFPA regulations after flushing.
- D. After all required permits and licenses have been issued notify the Owner that the tank is approved for filling with product. The Owner will have the tank filled with product at no-cost to the Contractor. The Contractor shall be present during the initial fill operations.
- E. Operationally test the entire fuel dispensing system. Adjust and correct any deficiencies.
- F. Submit three copies of written quality control test report.
- G. Lock dispensers to prevent operation or access by unauthorized persons.

3.4 CLEANING

- A. Section **01 77 00** - Execution and Closeout Requirements: Final cleaning.
- B. Remove temporary protection from prefinished surfaces.
- C. Wash and clean exposed surfaces. Clean glass, fixtures and fittings.

3.5 DEMONSTRATION AND TRAINING

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for demonstration and training.
- B. Demonstrate, in presence of Owner, operation, function, and maintenance of each component and its associated equipment.
- C. Manufacturer's Demonstration Representative: Fully knowledgeable of operating and servicing the work.

END OF SECTION

SECTION 28 23 00
VIDEO SURVEILLANCE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Stationary cameras.
2. Monitors.
3. Switching equipment.
4. Digital video recorders.
5. Equalizing amplifiers.
6. Equipment cabinets.

B. Related Requirements:

1. Section 26 00 00 – Basic electrical requirements

1.2 REFERENCE STANDARDS

A. Society of Motion Picture and Television Engineers:

1. SMPTE-170M - Composite Analog Video Signal - NTSC for Studio Applications.

1.3 COORDINATION

A. Section **01 31 13 - Administrative Requirements: Requirements for coordination.**

B. Coordinate Work of this Section with Work of other Sections.

1.4 PREINSTALLATION MEETINGS

A. Section **01 31 13 - Administrative Requirements: Requirements for pre installation meeting.**

B. Convene minimum two 2 weeks prior to commencing Work of this Section.

1.5 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.

B. Product Data: Submit manufacturer's catalog information showing electrical characteristics and connection requirements for each component.

- C. Shop Drawings: Indicate electrical characteristics and connection requirements, including system wiring diagram.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- E. Manufacturer Instructions: Submit detailed instructions on installation requirements, including storage and handling procedures.
- F. Field Quality-Control Submittals: Indicate results of Contractor-furnished tests and inspections.
- G. Manufacturer Reports:
 - 1. Certify that equipment has been installed according to manufacturer instructions.
 - 2. Indicate activities on Site, adverse findings, and recommendations.
- H. Qualifications Statements:
 - 1. Submit qualifications for manufacturer, supplier, and installer.
 - 2. Submit manufacturer's approval of installer.

1.6 CLOSEOUT SUBMITTALS

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for submittals.
- B. Project Record Documents: Record actual locations of cameras and routing of television cable.

1.7 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum three (3) years documented experience.
- B. Supplier: Authorized distributor of specified manufacturer with minimum three (3) years documented experience.
- C. Installer: Company specializing in performing Work of this Section with minimum three (3) years documented experience and approved by manufacturer.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.
- B. Inspection: Accept materials on Site in manufacturer's original packaging and inspect for damage.
- C. Store materials according to manufacturer instructions.

D. Protection:

1. Protect materials from moisture and dust by storing in clean, dry location remote from areas involved in construction operations areas.
2. Provide additional protection according to manufacturer instructions.

1.9 AMBIENT CONDITIONS

- A. Section **01 51 00** - Temporary Facilities and Controls: Requirements for ambient condition control facilities for product storage and installation.
- B. Conform to manufacturer's standard service conditions during and after installation of components.

1.10 EXISTING CONDITIONS

A. Field Measurements:

1. Verify field measurements prior to fabrication.
2. Indicate field measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 SYSTEM DESCRIPTION

- A. Video surveillance and monitoring at points as indicated on Drawings.
- B. Capacity:
 1. Cameras: (3).
 2. Monitors: Two.
- C. Configuration: NTSC, with 1 V peak-to-peak across 75 ohms.
- D. Distribution: Baseband, dc to 6 MHz.

2.2 CAMERAS

A. Manufacturers:

1. Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Pelco.
 - b. GE.
 - c. Honeywell.

2. General Camera shall be IP network based dome camera suitable outdoor applications with following features as a minimum
 - a. Networked dome camera for remote pan/tilt/zoom control
 - b. 3 Simultaneous Video Streams,, Dual MPEG-4 and MJPEG
 - c. Simultaneous IP and Analog Video and Control
 - d. Web Viewing, up to 8 Cameras Simultaneously
 - e. Mandatory Day and Night functionality with sensitivity up to 0.00015 lux at 1/1.5sec (B-W)
 - f. 540 TV Lines Resolution
 - g. Integrated Video Motion Detection
 - h. Automatic White Balance with manual override
3. Connection
 - a. Network Interface,, 10 Base-T / 100 Base-TX Ethernet networks (RJ-45) for LAN/WAN
4. Video
 - a. Lens,, 1/4" CCD.
 - b. Frame,, 25 fps or better
 - c. Resolution,, 752 (H) X 582 (V)
 - d. Light sensitivity,, 0.45 lux at 1/50 sec (color), 0.015 lux at 1/1.5 sec (color), 0.00015 lux at 1/1.5 sec (B-W)
 - e. IR sensitive black/white video at night
 - f. Scanning,, Interlace/Progressive selectable
 - g. Video Encoding,, H.264 base profile, MPEG-4, and MJPEG

B. Supported Protocols

1. TCP/IP
2. UDP/IP (Unicast, multicast IGMP)
3. UPnP
4. DNS
5. DHCP
6. RTP
7. NTP

C. Ratings:

1. Input Power: 24 V, 60 Hz.
2. Scene Illumination 2.7 lx or usable picture, 10.8 lx) for full video.
3. Resolution: 800 lines, minimum.
4. Signal to Noise: 44 dB, minimum.
5. Synchronization: Comply with [MPTE-170M, with 2:1 interlace.
6. Automatic Light Range: 660,000 to one.

D. Power Supply: Integral.

E. Housing: Outdoor Weatherproof

F. Operating condition.

1. Outdoor temperature range of up to 60°C shall be supported. The outdoor housing and mounts to be provided with IP-66 rated protection.

2.3 NETWORK VIDEO RECORDERS

Manufacturers:

1. Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Pelco.
 - b. GE.
 - c. HONEYWELL.
2. The Network Video Recorder (NVR) supports simultaneous recording, viewing, search, and system management for up to 8 IP cameras including high definition formats. Multiple NVRs may be deployed for system expansion using a distributed architecture and integrated with the multi-site software or enterprise video management system.
3. NVR shall have following major capabilities:
 - a. Record and monitor up to 8 IP channels at 960 fps @ 4CIF/VGA or 960 fps @ 720p HD or 640 fps @ 1080p HD per MAXPRO NVR SE. Network bandwidth/throughput supported per NVR with Incoming: 120 Mbps, Outgoing: 120 Mbps providing a total: 240 Mbps. Support for One-Way Audio (for specific IP cameras) with live and playback on NVR client for up to 8 IP channels.
 - b. Live viewing of up to 8 IP cameras on a single remote workstation with up to two (2) monitors set up at CIF resolution. For 4CIF and HD resolution, the number of live streams needs to be benchmarked based on client hardware configuration deployed.
 - c. Powerful investigation and video archive search tools from local or remote client.
 - d. Capable of managing motion detection-based recording with pre-event and post-event recording based on camera based motion detection or Server based motion detection events and “advanced” search on recordings from local or remote client.
 - e. Preview and Calendar Search permitting search for videos and events based on user-selected date and time from local or remote client.
 - f. Simultaneous use of multiple video compressions including MPEG-4 and H.264.
 - g. Email on alarm.
 - h. Instant clip creation from snapshot.
 - i. Dynamic IP Camera Discovery – Automatically discover all compatible cameras connected to NVR.
 - j. Multi-level user access rights for viewing and manages access to the recorder functions.
 - k. Capable of managing continuous, scheduled, manual, event-based, and alarm-based recording features.
 - l. Configurations for cameras connected to NVR

4. Camera Configuration: The user shall be able to configure the following parameters for each camera connected to the NVR.
 - a. Camera Name
 - b. IP Address
 - c. Camera Type
 - d. Fixed/PTZ
 - e. Continuous Recording: All cameras added shall be defaulted to "24/7" recording with the option to select other recording modes.
 - f. Event Based Recording: Shall be "None" by default, with the option to select motion-based recording.
 - g. User name: Shall display and enable setting the user name for a camera.
 - h. Password: Shall enable setting the password for a camera.
 - i. Camera Advanced Settings: Shall enable configuration of Video Format, Compression Format, Resolution, Compression, Video Frame Rate, GOP, Record Quality Settings, Clip Deletion Settings, Launching Web View of camera for Advanced Setup, Motion detection zones configuration for Server based motion detection and Video Preview. Shall enable configuration of RTSP URL for cameras or encoders added with camera type – Generic RTSP.

5. The following video recording options shall be supported:
 - a. Scheduled based recording: The system shall support the ability to schedule recordings for each individual camera for times in the future. By default, the NVR shall be pre-loaded with the following four schedules: 24x7, Weekday, Daytime, and Nighttime, which cannot be edited. A maximum of 50 schedules can be created in the NVR.
 - b. User based recording: The user shall be able to configure user activated settings for recording moments of interest while viewing live video from a camera. After configuring the user activated settings, the operator can start recording of video when needed. The video is recorded for the time period specified in the System settings for user activated recording. The User based Recording Time Duration shall be selectable from a list of values ranging between 30 seconds and 5 minutes.
 - c. Event based recording: Event based recording shall be possible on Video Motion Detection and alarms triggered.

PART 3 - SUPPORT FOR WEB CLIENT AND MOBILE APPS

3.1 PREPARATION

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for installation preparation.
- B. Install engraved plastic nameplates as specified in Section 280553 - Identification for Electronic Safety and Security.

- C. Ground and bond video surveillance equipment as specified in Section 260526 - Grounding and Bonding for Electrical Systems.

3.2 FIELD QUALITY CONTROL

- A. Furnish Installation Certificate from equipment manufacturer's representative attesting that equipment has been properly installed and is ready for startup and testing.

3.3 ADJUSTING

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for starting and adjusting.
- B. Adjust manual lens irises to meet lighting conditions.

3.4 DEMONSTRATION

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for demonstration and training.
- B. Demonstrate equipment startup, shutdown, routine maintenance, and emergency repair procedures to Owner's personnel.

3.5 MAINTENANCE

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for maintenance service.
- B. Furnish service and maintenance of video surveillance system for one year from date of Substantial Completion.

END OF SECTION

SECTION 23 13 23

DOUBLE-WALL FIRE-PROTECTED ABOVEGROUND STEEL STORAGE TANK

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes requirements for a double-wall fire-protected lightweight steel above-ground storage tank with treaded openings as scheduled on drawings. This section also includes but is not limited to platforms and ladders, submersible pumps, ground-fill system including piping, enclosure and hand pump and tank supports.

1.2 REFERENCES

- A. U.L. 142, Underwriters Laboratories, Inc., Steel Aboveground Tanks for Flammable and Combustible Liquids.
- B. U.L. 2085, Underwriters Laboratories 2 Hour Fire Rating's Standard for Insulated Aboveground Storage Tanks for Flammable and Combustible Liquids
- C. NFPA 30, National Fire Protection Association Flammable and Combustible Code
- D. NFPA 30A, National Fire Protection Association Automotive and Marine Service Station Code.
- E. Uniform Fire Code International Fire Code Institute.
- F. NFPA 31, Standard for Installation of Oil Burning Equipment.
- G. PEI/RP200- Petroleum Equipment Institute, Recommended Practices for Installation of Aboveground Storage Systems for Motor Vehicle Fueling.
- H. AWS D1.1, "Structural Welding Code--Steel."
- I. National Electrical Manufacturers Association:
 - 1. NEMA MG 1 - Motors and Generators.
- J. Underwriters Laboratories Inc.:
 - 1. UL - Electrical Appliance and Utilization Equipment Directory.

1.3 SYSTEM DESCRIPTION

- A. 5000 gallon split tank (2500 gallons gasoline and 2500 gallons diesel) double-wall, fire-protected lightweight steel aboveground storage tank equipped with 2 ea: platforms, ladders; 2 ea: ground level fill stations connected to tank fill connections with high-level shut-off valves; 2 ea: 3/4 hp pump assembly with anti-siphon valve and ball valve; 2 ea: 918 Clock Gauge; 1 ea: Interstitial Sensor for 2xWall Steel; 2 ea: Mag Plus Probe; 2 ea: 8 oz Emergency Vents (for Diesel and Interstitial); and 1 ea: 16 oz Emergency Vent (for Gasoline).

1.4 PERFORMANCE REQUIREMENTS

- A. Two (2) Hour Fire Tested
- B. Impact and Ballistic Tested

1.5 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings:
 - 1. Indicate tank dimensions, tank openings, tank support saddles, ladder, safety rails and platform dimensions and details, ground fill stations dimensions and details, fill piping details including pipe supports and locations and sizes of all labels.
- C. Submit product data:
 - 1. High level shut-off valves.
 - 2. Clock Gauge w/ stainless steel float
 - 3. Fill Box
 - 4. Tank Decal Kit
 - 5. Epoxy primer and acrylic polyurethane coatings for high performance factory finishes.
 - 6. Protected, double-wall aboveground tank.
 - 7. Hand-pumps
- D. Tank Manufacturer's Installation Instructions
- E. Tank Manufacturer's Certificate: Certifying tank was manufactured in accordance with Steel Tank Institute, Standard for Fireguard[™] Thermally Insulated Aboveground Storage Tanks.

1.6 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit maintenance service and inspection schedules.
- C. Warranty: Submit manufacturer warranty with forms completed in Owner's name and registered with manufacturer.

1.7 QUALITY ASSURANCE

- A. Manufacturer shall be a licensed member company of the Steel Tank Institute and subject to Steel Tank Institute's Quality Assurance Program.
- B. Air Test the tank at not less than 3 psi nor more than 5 psi. Primary tanks are to be tested alone. Secondary tank to be pressure tested with pressure in Primary tanks; this shall be accomplished by bleeding air from the Primary tank into the Secondary tank. **AT NO TIME SHALL THE PRESSURE IN THE SECONDARY TANK EXCEED THE PRESSURE IN THE PRIMARY TANK.**

1.8 QUALIFICATIONS OF INSTALLER

- A. Company specializing in the installation of products specified in this section with minimum three (3) years documented experience and approved by the tank manufacturer.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Wrap and crate finished tank and components and assemblies at factory to prevent damage or marring of surfaces during shipping and handling.
- C. Do not deliver to site until installation space is ready to receive tank.

1.10 COORDINATION

- A. Section **01 31 13** - Administrative Requirements: Coordination and project conditions.
- B. Coordinate with modification of existing structure, mechanical and electrical work.

1.11 WARRANTY

- A. Section **01 77 00** - Execution and Closeout Requirements: Product warranties and product bonds.
- B. Furnish thirty (30) year manufacturer warranty for tank.
- C. Furnish two (2) year manufacturer warranty on submersible pumps
- D. Furnish one (1) year manufacturer warranty on all sensors, valves and gauges.

PART 2 PRODUCTS

- 2.1 Fireguard double-wall Fire-Protected lightweight steel aboveground storage tank conforming to the dimensions shown on the contract documents and meeting 2009 IBC. Material and construction conform to UL 2085, Secondary containment protected aboveground tank; exceeds all requirements of 1997 IFCI UFC Standard 79-7 (test certified by U.L.) and Appendix IIF; bullet resistant under IFCI UFC Standard 79-7; impact resistant under IFCI UFC Standard 79-7. U.L. Label for Protected Secondary Containment Aboveground Tank is required. CARB Executive Order VR-302-C.

- A. Manufacturers:
 - 1. Modern Welding Company of California; Contact: John Sharples (702-384-0268)
 - 2. EnviroSAFE Above-Ground Fuel Systems (MEMCO, Inc.); Contact: John Bolderson (1-800-555-4754 Ext 117)
 - 3. Substitutions: Any tank manufacturer that meets the requirements of Quality Assurance as set forth in this section.

2.2 COMPONENTS

- A. Platform and ladders per Contract documents (factory finished).

- B. 3/4 HP submersible turbine pump, 208-230 VAC, 60 Hz certified for gasoline and diesel use suitable for the application. Acceptable manufactures: FE Petro; Red Jacket (Veeder Root)
- C. Ground Level Fill Station (factory finished) complete with sump, hand pump, vent, piping, high-level shut-off valve and lockable hinged or roll-up door.
- D. 918 Clock Gauges. Acceptable manufacturer: Morrison Bros. Co.
- E. Emergency Vents. Acceptable manufacturer: Morrison Bros. Co.
- F. Interstitial Sensor. Acceptable manufacturer: Veeder-Root
- G. MAG Plus Probe with float kits. Acceptable manufacturer: Veeder-Root

2.3 FACTORY FINISHING

- A. Exterior or Exposed Steel: White color: Epoxy primer and acrylic polyurethane coating.
- B. Interior of tank: Bare, clean of debris.
- C. Miscellaneous Hardware and fasteners: Stainless Steel

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section **01 31 13** - Administrative Requirements: Coordination and project conditions.
- B. Verify surfaces and prepared openings are ready to receive work and opening dimensions are as indicated on shop drawings.

3.2 INSTALLATION

- A. Set tank in place and align. Secure tank to concrete slab as shown on the contract documents. Connect electrical power, data lines and piping from dispensers and Veeder-Root TLS 350J Panel as applicable.

3.3 FIELD QUALITY CONTROL

- A. Section **01 45 00** - Quality Requirements and **01 77 00** - Execution and Closeout Requirements: Field inspecting, testing, and adjusting.
- B. Test and adjust control and monitoring equipment to meet performance requirements.
- C. After all required permits and licenses have been issued notify the Owner that the tanks are approved for filling with product. The Owner will have the tanks filled with product at no-cost to the Contractor. The Contractor shall be present during the initial fill operations.

- D. Operationally test the entire fuel dispensing system. Adjust and correct any deficiencies.
- E. Submit three copies of written quality control test report.
- F. Lock doors to prevent operation or access by unauthorized persons.

3.4 CLEANING

- A. Section 01 70 00 - Execution and Closeout Requirements: Final cleaning.
- B. Remove temporary protection from prefinished surfaces.
- C. Wash and clean exposed surfaces. Clean glass, fixtures and fittings.

3.5 DEMONSTRATION AND TRAINING

- A. Section **01 77 00** - Execution and Closeout Requirements: Requirements for demonstration and training.
- B. Demonstrate, in presence of Owner, operation, function, and maintenance of each component and its associated equipment.
- C. Manufacturer's Demonstration Representative: Fully knowledgeable of operating and servicing the work.

END OF SECTION

SECTION 28 31 50

PETROLEUM LEAK-MONITORING SYSTEM

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes the installation of a complete fuel monitoring system complete with all modules, sensors, alarms, and other related items. Materials, apparatus, and equipment required for the work described in this Section shall be constructed and installed in accordance with the references cited below; and with the requirements of the local and state building and plumbing codes and ordinances, all legally constituted public authorities having jurisdiction, including State and county laws, rules and regulations, and Clark County and City of Las Vegas ordinances.

1.2 REFERENCES

- A. Code Application. Work scope designated in the City of Las Vegas shall be governed by their respective local jurisdictions and authorities.
- B. International Code Council
 - 1. International Fire Code (2012) with Nevada, Clark County, and Clark County Southern Bldg. Official amendments.
 - 2. International Building Code (2012) with Nevada, Clark County, and Clark County Southern Bldg. Official amendments.
- C. National Fire Protection Association:
 - 1. NFPA 30 (2012) - Flammable and Combustible Liquids Code.
 - 2. NFPA 30A (2012) - Code for Motor Fuel Dispensing Facilities and Repair Garages.
 - 3. NFPA 70 (2012) – National Electrical Code with Nevada, Clark County, and Clark County Southern Bldg. Official amendments.

1.3 SYSTEM DESCRIPTION

- A. Leak-monitoring console with data connection for interface to remote computer system.
- B. Leak sensors for two (2) new dispenser containment basins.
- C. Leak sensor for tank secondary (interstitial).
- D. Tank probes for diesel and gasoline compartments of tank.
- E. Overfill alarms

1.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings: Indicate dimensions, service connections, accessories, controls, electrical data, and wiring diagrams.
- C. Product Data: Submit catalog data showing electrical characteristics and connection requirements.

- D. Manufacturer's Installation Instructions: Indicate assembly, wiring, programming and mounting requirements.

1.5 CLOSEOUT SUBMITTALS

- A. Section **01 77 00** - Execution and Closeout Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit manufacturer's standard operating and maintenance instructions, maintenance and repair data, and parts listing.
- C. Warranty: Submit manufacturer standard warranty with forms completed in Owner's name and registered with manufacturer.

1.6 MAINTENANCE SERVICE

- A. Section **01 77 00** - Execution and Closeout Requirements: Maintenance service.
- B. Furnish service and maintenance of monitoring equipment for one year from Date of Substantial Completion.

PART 2 PRODUCTS

2.1 MONITORING CONSOLE

- A. Manufacturers:
 - 1. Veeder-Root Model TLS-350J with data ports for remote computer connection.
 - 2. Substitutions Not Permitted.
- B. Product Description: Provide an electronic, programmable hydrocarbon liquid leak detection and monitoring system. System shall be capable of monitoring up to two fuel storage compartments and dispensers. The leak detection system and its components shall be listed by UL, and by the National Work Group on Leak Detection Evaluations (NWGLDE). The monitoring panel shall incorporate FM approved, Intrinsically Safe Barriers to allow the installation of sensors in Class 1, Division 1, Group B, C, and D as defined by the National Electrical Code (NEC). System shall function with a maximum sensor cable length of 1000feet.
- C. Leak detection monitoring console shall be microprocessor-based for continuous monitoring capability. The system shall incorporate a self-diagnostic feature actuated by panel-mounted test button, to check all circuitry for proper operation. The monitoring system shall be remotely accessible to, and controllable by, a PC equipped with Veeder Root Remote Control Software.
- D. The monitoring console shall automatically reconcile produce delivery volumes with volumes dispensed, and generate monthly reconciliation reports.
- E. The leak monitoring panel will be located in a exterior wall mounted air conditioned electrical equipment enclosure with lockable hinged-face panel as indicated in the drawings. The panel face shall have a viewing window allowing full vision of all panel controls and indicators, and be capable of monitoring various sensors and devices, as follows.
 - 1. Storage tank product level probes (2 each).
 - 2. Volume of gasoline and diesel product dispensed, as indicated by dispenser pulser outputs.

3. Liquid leak sensors in the following locations:
 - a. 1) Dispenser sumps (2 locations).
 - b. 2) Transition Sump (1 location)
 4. Interstitial Sensor (1 location).
 5. Overfill alarm relay.
 6. Alarm horns and lights with NEMA 7 reset switch for each the gasoline and diesel storage compartments
- F. Monitor features: Provide the following capabilities in the monitor panel:
1. Paper printer to produce following reports:
 - a. Inventory reports.
 - b. Low inventory alert
 2. In-tank leak test capabilities:
 - a. 0.1GPH automatic tank gauging.
 - b. 0.1GPH volumetric tank tightness testing.
 - c. Selectable 0.2or 0.1GPH test rates.
 - d. Programmable test schedules.
 - e. Leak test validity checks.
 - f. Pass, fail, short or invalid indicators.
- G. Console-Alarm Capabilities. Alarm set points shall be programmable. Provide the capability to give alarm for the following conditions:
1. Liquid leak.
 2. Overfill.
 3. High product level.
 4. Theft.
 5. High water.
 6. Low inventory.
 7. External input.

2.2 SENSORS AND PROBES

- A. Provide the following sensors and probes as part of the system.
1. Magnetostrictive probe for inventory measurement and in-tank continuous statistical leak detection, one for each storage compartment (2 probes, total), with 0.1GPH minimum leak detection capability. Furnish Veeder Root Mag Plus with CLSD, Form No. 843690-107 (8-ft probe length).
 2. Interstitial sensor for steel tanks-shall detect any liquid present in the interstitial space between the AST's primary and secondary containment. The sensor shall not discriminate between hydrocarbon and water. Furnish Veeder-Root Interstitial Steel Tank Sensor with 16" cable, Form No. 794390-420 (1 sensor).
 3. Transition and Dispenser containment sump sensor-shall detect any liquid leak and not discriminate between hydrocarbon and water. Provide Veeder-Root Non-discriminating Solid State Dispenser Pan Sensor, Form No. 794380-321, (3 sensors, in total).
 4. Provide sensor cabling, tank and pipe adapters, and other miscellaneous fittings as may be required to install a complete, operable system. All devices and installation practices shall comply with NEC Article 514 (2005 edition).
 5. Sensor Cable: All cable to be minimum #14 AWG copper, shielded.
 6. Conduit: All conduit shall be rigid PVC-coated galvanized steel, size as indicated, with Class 1, Division 1, Group D seals and junction boxes in hazardous area. Sensors shall be routed in conduits dedicated for sensor and low-voltage wiring, as required by the installation manual of the sensor.

2.3 Sensor Components:

- A. Provide the following components or subsystems as part of the monitoring panel.
 - 1. Four-input level probe interface module, Form No. 329356-002.2.
 - 2. Type B Interface Module (P/N32950-001) for solid-state liquid sensors (2-modules).
 - 3. Interstitial/Liquid Sensor Interface Module (P/N329358-001) for UST monitoring fluid level sensors (1-module).
 - 4. Four-input dispenser pulser interface module (1-module).
 - 5. Three-output pressurized-line leak controller interface module, Form No. 330374-001.
 - 6. RS-485/232 Dual Port Communications Module, Form No. 330586-001.
 - 7. Ethernet-TCP/IP Communications Card for the TLS-350Series Consoles.
 - 8. Remote Control™ Windows-based PC control software.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section **01 33 13** - Administrative Requirements: Coordination and project conditions.
- B. Verify products and systems receiving devices are ready for installation.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's written instructions
- B. Install to NFPA 30 and NEC (2005) Article 514.
- C. Install engraved plastic nameplates.
- D. Ground and bond equipment and circuits in accordance with Section 26 00 20

3.3 MANUFACTURER'S FIELD SERVICES

- A. Section 01 40 00 - Quality Requirements: Manufacturer's field services.
- B. Provide initial factory authorized start-up of certified technician to supervise installation, adjustments, final connections, and system testing and two site visits during first year of operation including routine servicing and checklist.

END OF SECTION

COMPLIANCE ADVISORY: Gasoline Dispensing Operations

Continued Use of Stage 1 Vapor Control Systems for Gasoline Storage Tanks in Clark County

This Compliance Advisory is intended for all currently active gasoline dispensing operations (GDOs) operating with or without a current Air Quality permit and capable of receiving, storing, and dispensing one or more grades of gasoline in Clark County, Nevada.

On April 11, 2011, Clark County's Air Quality Board repealed Section 52 of the Clark County Air Quality Regulations (AQRs). Section 52 governed the type of vapor control systems that GDOs dispensing gasoline in Clark County had to install, maintain, and operate. Section 52 was originally adopted as part of past federally approved Clean Air Plans. As such, the U.S. Environmental Protection Agency (EPA) has the authority to determine which rules are to be retained. On January 14, 2016, the EPA disapproved Clark County's request to repeal Section 52. Therefore, Stage 1 vapor control requirements remain in effect and federally enforceable in Clark County.

The Department of Air Quality will propose to address this potential conflict with federal law by re-establishing Stage 1 requirements in the AQRs. Until these regulations are in place, **all active GDO operators must ensure that a Stage 1 vapor recovery system is installed, maintained, and operated in a vapor-tight and leak-free manner**, according to manufacturer specifications, and that **all gasoline is loaded into storage tanks using vapor recovery return lines**. Failure to do so could result in an EPA enforcement action.

If you have any questions, or need more information, please contact our Small Business Assistance Program staff: John Richardson, (702) 455-3455, or Bill Gray, (702) 455-1624.

Sincerely,



Chuck Richter, Compliance and Enforcement Manager (acting)

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(see reverse for FAQs)

Frequently Asked Questions (FAQs)

What is a Gasoline Dispensing Operation?

A GDO is any facility (except bulk distribution terminals) that can receive, store, and dispense one or more grades of gasoline. The corner gasoline station is a good example; however, a GDO can also be a privately owned company dispensing gasoline from a storage tank for vehicle fleets, car-sharing services, or motor pools. Some examples are rental-car facilities, auto dealerships, taxicab and limousine services, and casino operations.

Why is DAQ issuing this advisory?

In April 2011, Clark County's Air Quality Board repealed Section 52 of the AQRs. Section 52 governed the type of vapor control systems that GDOs dispensing gasoline in Clark County had to install, maintain, and operate. This past January, EPA disapproved Clark County's request to repeal Section 52. Therefore, Stage 1 vapor recovery requirements remain in effect and federally enforceable in Clark County.

What is an "enforcement action"?

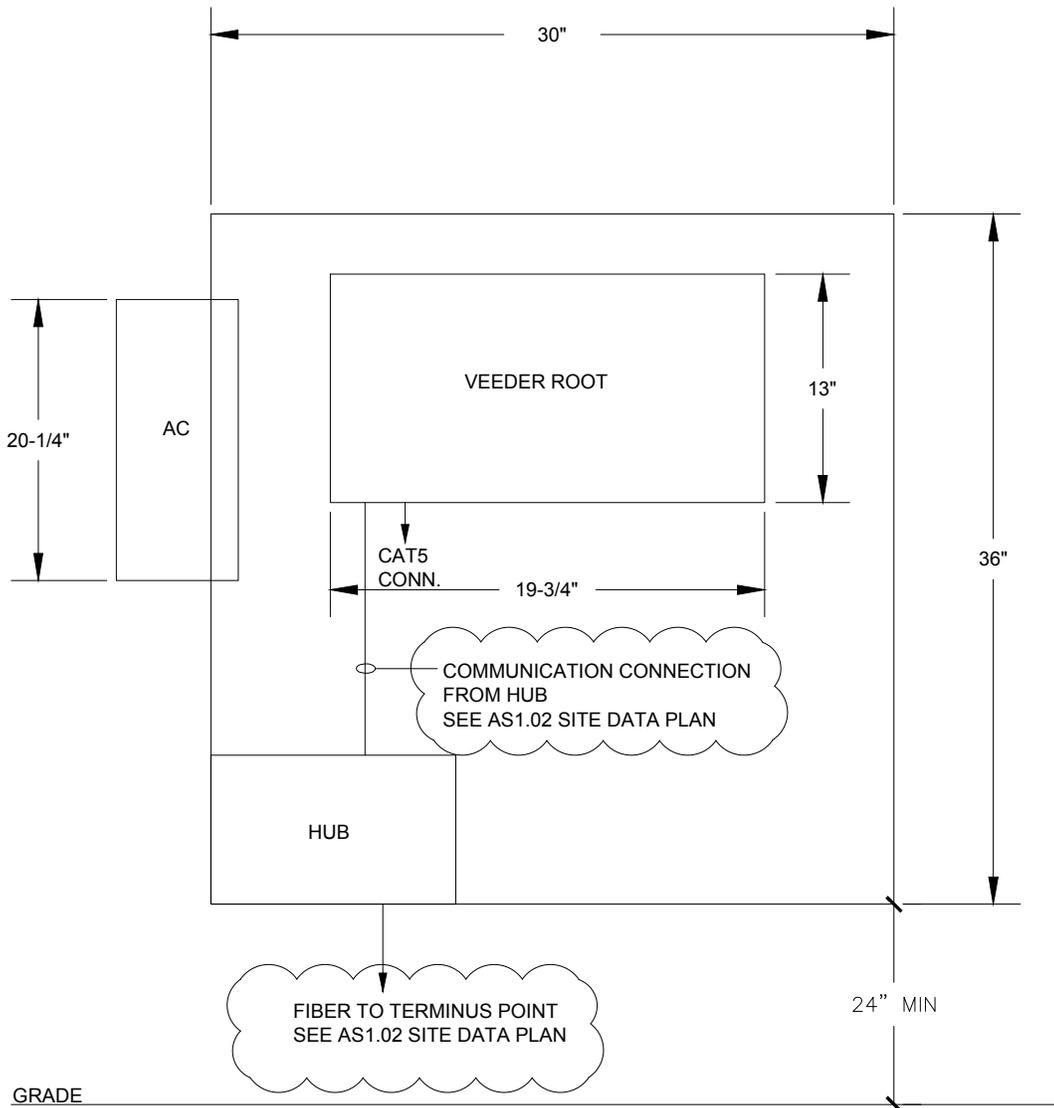
EPA has the authority to take civil or criminal action against violators of environmental laws. These actions may result in expensive fines or, if the violation is serious enough, criminal charges.

As a GDO operator, what must I do?

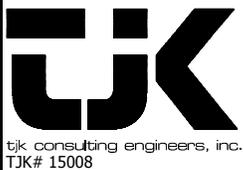
You must make sure that a Stage 1 vapor recovery system is installed, maintained, and operated in a vapor-tight and leak-free manner, according to manufacturer specifications, and that all gasoline is loaded into storage tanks using vapor recovery return lines.

What are the next steps?

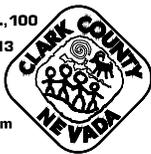
We will work with representatives from the regulated community, EPA, and state and local agencies to put the Stage 1 requirements back into the AQRs. Please check www.clarkcountynv.gov/airquality regularly for updates.



1
ES1.01
EQUIPMENT ENCLOSURE W/VEEDER ROOT PANEL AND HUB
 SCALE: NONE



5459 S. Durango Dr., 100
 Las Vegas, NV 89113
 P: 702.871.3621
 F: 702.871.8353
 www.tjkengineers.com



CCRPM PROJECT RP.A0315027
 CCRPM BID No. 603931-15



**WINSTON
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 ARCHITECTS**

8689 W. SAHARA AVE. SUITE 100
 LAS VEGAS, NEVADA 89117
 (702) 893-9700 - FAX (702) 893-9797

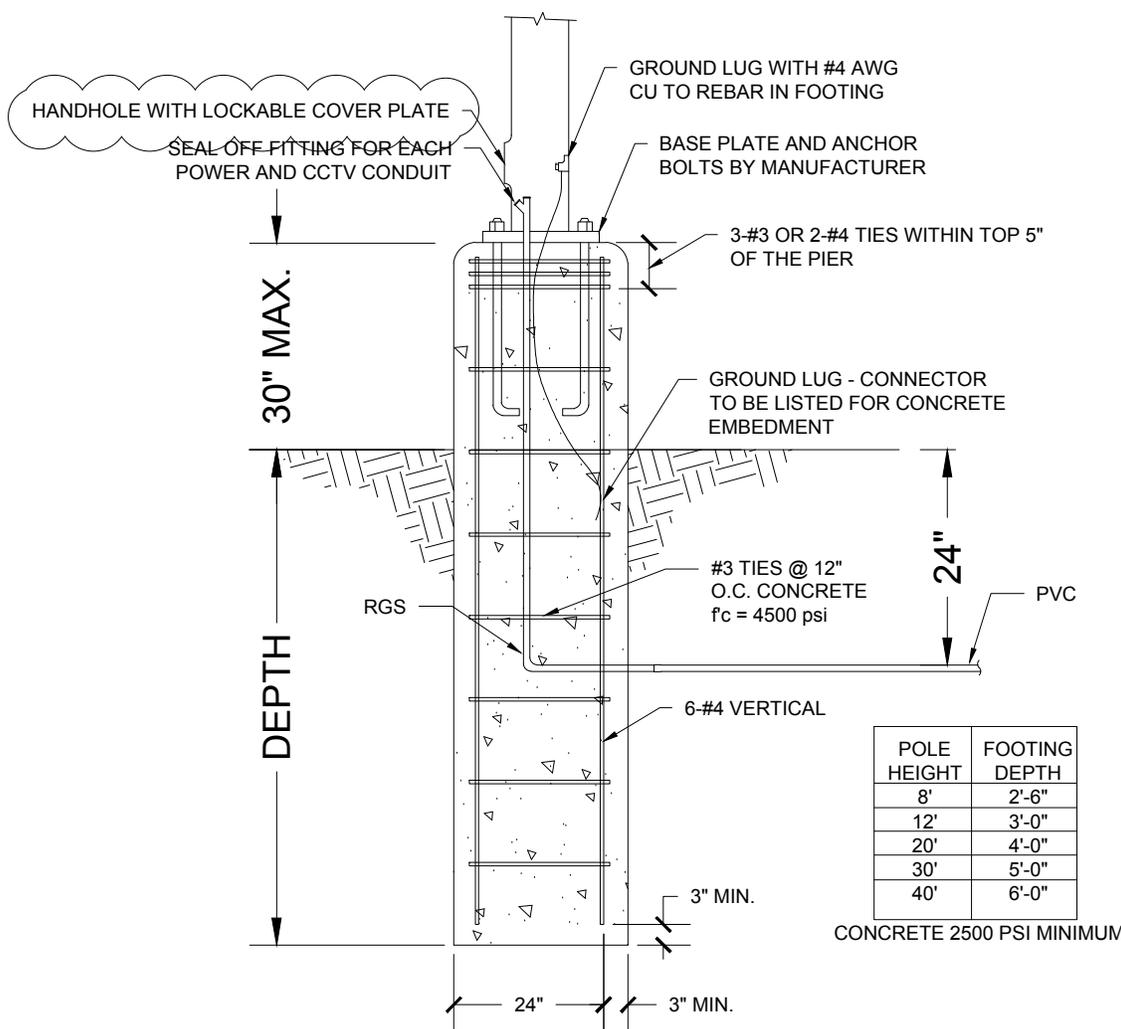
ADDENDUM #8

PROJECT NO.: 15020

DATE: 01 / 21 / 16

**FIRE STATION 22
 FUEL STATION INSTALLATION
 6685 WEST FLAMINGO RD., LAS VEGAS, NEVADA**

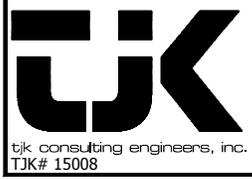
SKE-1



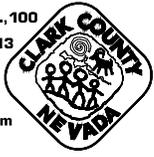
POLE HEIGHT	FOOTING DEPTH
8'	2'-6"
12'	3'-0"
20'	4'-0"
30'	5'-0"
40'	6'-0"

CONCRETE 2500 PSI MINIMUM

2 POLE BASE DETAIL
 ES1.01 NOT TO SCALE



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 Las Vegas, NV 89113
 P: 702.871.3621
 F: 702.871.8353
 www.tjkengineers.com



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 HENDERSON
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 8680 W. SAHARA AVE. SUITE 100
 LAS VEGAS, NEVADA 89117
 (702) 893-9700 - FAX (702) 893-9797

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SKE-2