DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER
GOVERNOR

MANDY COHEN, MD, MPH
SECRETARY

MARK PAYNE
DIRECTOR

July 26, 2017

Per B. Normark
3480 Preston Ridge Road, Suite 600
Alpharetta, GA 30005

Exempt from Review – Replacement Equipment

Record #:	**2339**
Facility Name:	Open MRI and Imaging of Asheville
FID #:	960927
Business Name:	Asheville Open MRI, Inc. MedQuest Associates, Inc.
Business #:	105 2692
Project Description:	Replace existing MRI scanner
County:	Buncombe

Dear Mr. Normark:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of July 12, 2017, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the GE Pioneer 3T MRI scanner to replace the GE HDi 1.5T MRI scanner. This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

Moreover, you need to contact the Agency's Construction Section to determine if it has any requirements for development of the proposed project.

It should be noted that the Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Julie Halatek
Julie Halatek
Project Analyst

Martha J. Frisone
Martha J. Frisone
Chief, Healthcare Planning and
Certificate of Need Section

cc: Construction Section, DHSR
Paige Bennett, Assistant Chief, Healthcare Planning, DHSR

MedQuest
ASSOCIATES

July 12, 2017

Julie Halatek, Project Analyst, Certificate of Need
Division of Health Service Regulation
N.C. Department of Health and Human Services
809 Ruggles Drive
Raleigh, North Carolina 27603

Re: Asheville Open MRI, Inc. d/b/a Open MRI and Imaging of Asheville
Replacement of Existing Fixed MRI Scanner
Asheville, NC (Buncombe County)
CON Project # B-6440-01

Dear Ms. Halatek:

I am writing on behalf of Novant Health, Inc. and its subsidiaries MedQuest Associates, Inc. and Asheville Open MRI, Inc. d/b/a Open MRI and Imaging of Asheville ("OMIA"). OMIA intends to replace an existing fixed MRI scanner currently located at its existing facility in Asheville, North Carolina. The existing MRI scanner was acquired in 2002 and upgraded in 2009. At this time, the existing scanner is in need of replacement. OMIA will acquire a new G.E. 3.0T Pioneer as its replacement equipment. See **Attachment A** for the Equipment Quote. As part of the equipment cost, the vendor will provide onsite clinical training for the equipment. Also, the existing equipment will be traded in and removed from North Carolina by G.E. The total capital cost for the proposed replacement equipment project is estimated to be $1,945,000[1]. See **Attachment B** – Project Capital Cost.

The proposed project meets the definition of "replacement equipment" found in G.S. 131E-176(22a) and 10A N.C.A.C 14C.0303 for the following reasons:

(1) OMIA will replace the existing MRI unit with the proposed MRI unit that is functionally similar and will be used for the same diagnostic purposes, although it possesses expanded capabilities due to technological improvements.
(2) The proposed MRI unit will not be used to provide a new health service.
(3) The acquisition of the proposed MRI unit will not result in more than a 10% increase in patient charges or per procedure operating expenses within the first twelve months after the replacement equipment is acquired.

[1] The project cost does not include sales, property or excise taxes as OMIA is not subject to these taxes as a non-profit, tax-exempt organization under Novant Health, Inc.

(4) OMIA seeks to replace comparable medical equipment currently in use at project cost less than $2 million.
(5) The existing equipment was not purchased second-hand nor was the existing equipment leased.

In support of our request, please find attached:

Attachment A – Vendor Equipment Quote
Attachment B – Project Capital Cost
Attachment C – A certified estimate by a licensed North Carolina architect
Attachment D – NC CON Equipment Comparison chart

OMIA's acquisition of the replacement fixed MRI scanner equipment does not require a certificate of need because none of the definitions of "new institutional health services" set forth in N.C.G.S. Section 131E-176(16) apply to the proposed project. As outlined above, the total cost for the project is $1,945,000. The proposed capital cost includes equipment, as well as studies, surveys, designs, plans, working drawings, specifications, construction installation and other activities essential to making the equipment operational.

Based on the information provided, please confirm that OMIA's replacement equipment request does not constitute a new institutional health service and is exempt from certificate of need review.

If you need additional information, please do not hesitate to contact me or our consultant Tiffany Brooks, (919) 369-0283.

Sincerely,

Per B. Normark, Vice President and General Counsel
MedQuest Associates, Inc.

Enclosures

ATTACHMENT A – EQUIPMENT QUOTE

GE Healthcare

Date: 06-21-2017
Quote #: PR5-C97550
Version #: 1

Asheville Open MRI
675 Biltmore Ave Ste a
Asheville NC 28803-2527

Attn: Chris Murphy
3480 Preston Ridge Rd Ste 600
Alpharetta
GA 30005-5462

Customer Number : 1-23Z00Q
Quotation Expiration Date: 09-19-2017

The terms of the Master Purchasing Agreement, Strategic Alliance Agreement or GPO Agreement referenced below as the Governing Agreement shall govern this Quotation. No additional or different terms shall apply unless agreed to in writing by authorized representatives of both parties.

Governing Agreement:	Novation - Vizient Supply LLC
Terms of Delivery:	FOB Destination
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	Net Due in 45 Days
Total Quote Net Selling Price:	$1,436,500.00

INDICATE FORM OF PAYMENT:

If "GE HFS Loan" or "GE HFS Lease" is NOT selected at the time of signature, then you may NOT elect to seek financing with GE Healthcare Financial Services (GE HFS) to fund this arrangement after shipment.

____Cash/Third Party Loan

____GE HFS Lease

____GE HFS Loan

____Third Party Lease (please identify financing company)

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

Each party has caused this agreement to be executed by its duly authorized representative as of the date set forth below.

CUSTOMER

_____ _____

Authorized Customer Signature Date

_____ _____

Print Name Print Title

_____

Purchase Order Number (if applicable)

GE HEALTHCARE

Christopher Plummer 06-21-2017

Signature Date

Imaging Account Manager

Email: Chris.Plummer@ge.com
Office: +1 317 366 7269

GE Healthcare

Date: 06-21-2017
Quote #: PR5-C97550
Version #: 1

Total Quote Selling Price	**$1,436,500.00**
Trade-In and Other Credits	$0.00
Total Quote Net Selling Price	**$1,436,500.00**

To Accept this Quotation

Please sign and return this Quotation together with your Purchase Order To:
Christopher Plummer
Office: +1 317 366 7269
Email: Chris.Plummer@ge.com

Payment Instructions

Please **Remit** Payment for invoices associated with this quotation to:
GE Healthcare
P.O. Box 96483
Chicago, IL 60693

To Accept This Quotation

- Please sign the quote and any included attachments (where requested).
- If requested, please indicate, your form of payment.
- If you include the purchase order, please make sure it references the following information
  - The correct Quote number and version number above
  - The correct Remit To information as indicated in **"Payment Instructions"** above
  - The correct SHIP TO site name and address
  - The correct BILL TO site name and address
  - The correct Total Quote Net Selling Price as indicated above

"Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms.
Signature page on quote filled out with signature and P.O. number.
**********OR**********
Verbiage on the purchase order must state one of the following: (i) Per the terms of Quotation #_____; (ii) Per the terms of GPO#_____; (iii) Per the terms of MPA #_____; or (iv) Per the terms of SAA #_____. Include the applicable quote/agreement number with the reference on the purchase order.
In addition, source of funds (choice of: Cash/Third Party Loan or GE HFS Lease or GE HFS Loan or Third Party Lease through _____), must be indicated, which may be done on the quote signature page (for signed quotes), on the purchase order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."

GE Healthcare

Date: 06-21-2017
Quote #: PR5-C97550
Version #: 1

06-21-2017

GPO Agreement Reference Information

Customer:	Chris Murphy
Contract Number:	PLEASE SEE NOVATION CONTRACT # BELOW
Start Date:	
End Date:	12/31/2021
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	Net Due in 45 Days
Shipping Terms:	FOB Destination

NOTICE REGARDING MAGNETIC RESONANCE ("MR") PRODUCTS. This notice applies only to the following GE Healthcare products: MR: Discovery MR750, Discovery MR750w, Discovery MR450 and Optima MR450w. GE Healthcare has reclassified several advanced software tools and associated documentation to a GE Healthcare Technical Service Technology package that GE Healthcare feels will bring greater value and interest to our customers. GE Healthcare will continue to provide trained Customer employees with access to the GE Healthcare Technical Service Technology package under a separate agreement. GE Healthcare will continue to provide customers and their third party service providers with access to software tools and associated documentation in order to perform basic service on the CT, MR and NM products listed above upon a request for registration for such access. This will allow GE Healthcare to react faster to the future service needs of GE Healthcare customers. If you have any questions, you can contact your sales Service Specialist.

This product offering is made per the terms and conditions of Novation/GE Healthcare GPO Agreement # XR0391 (MR).

For access to the applicable Novation Agreement and Contract Summary, please login to the Novation Marketplace website. If you require assistance or are experiencing issues please contact one of the following for support:

Novation Customer Service (888) 7-NOVATE NOVCustomerService@novationco.com

Web Site Technical Support (800) 327-8116 NovationTechSupport@novationco.com

GE Healthcare

Date: 06-21-2017
Quote #: PR5-C97550
Version #: 1

Item No.	Qty	Description
		SIGNA Pioneer 3.0T 26.1
	1	**SIGNA Pioneer 3.0T 26.1**
1	1	SIGNA™ Pioneer 3.0T 26.1 MR System

The SIGNA™ Pioneer 3.0T MR system is designed with pioneering technology to maximize your productivity and ROI while delivering unmatched patient comfort, uncompromised clinical performance and streamlined workflow. The SIGNA™ Pioneer is now fueled by our new SIGNA™Works productivity platform.

The Pioneer configuration includes the system electronics, operating software, imaging software, post-processing software and RF coil suite:

- RF Receive Technology
- RF Coil Suite
- Ultra-High Efficiency Gradient System
- ART Quiet Technology
- Computing Platform & DICOM
- Comfort Plus Patient Table
- SIGNA™ Pioneer with Express Exam and READYView Workflow

Total Digital Imaging: The SIGNA™ Pioneer Total Digital Imaging RF architecture delivers pioneering technology that generates images with greater clarity and up to 25% increased SNR. TDI has three fundamental components:

- Direct Digital Interface (DDI) employs an independent analog-to-digital converter to digitize inputs from each of 97 RF channels. Every input is captured and every signal digitized to deliver high quality 3.0T images.
- Digital Surround Technology (DST) delivers the capability to simultaneously acquire MR signal from the integrated body coil and the surface coil. By combining the digital signal from surface coil elements with the signal from the integrated RF body coil, the superior SNR and sensitivity of the high-density surface coils are combined with the superior homogeneity and deeper signal penetration of the integrated RF Body Coil. This results in richer, higher quality spine and body images.
- Digital Micro Switching (DMS) technology represents a revolutionary advance in RF coil design by replacing analog blocking circuits with advanced Micro Electro-Mechanical System (MEMS) based blocking circuits enabling a coil design that supports ultrafast coil switching times for further expansion of zero TE imaging capabilities.

Item No.	Qty	Description

TDI Coil Suite: The Total Digital Imaging Suite of coils is designed to enhance patient comfort and image quality while simplifying workflow. The Coil Package includes:

- Integrated T/R Body Coil
- TDI Posterior Array
- TDI Head Neck Unit
- Anterior Array

The TDI Posterior Array is the first coil to include the Digital Micro Switch. The Integrated Posterior Array is symmetrically positioned within the patient supporting cradle, and coil connection ports are located at both ends of the table. This design enables all components of the TDI Coil Suite to support either patient orientation and enable a more comfortable patient position. The PA is designed to provide optimal element geometry for each targeted anatomy by using different element geometries for the cervical-to-thoracic spine transition, thoracic and lumbar spine, and the body.

- Elements: 32
- Length: 120.5 cm; Width: 48.6cm
- S/I coverage: 113cm head-first or feet-first
- Parallel imaging in all three scan planes
- Head-first or feet-first positioning

The TDI Posterior Array is designed to be used in conjunction with the TDI Head Neck Unit, the 3.0T Anterior Array, and the Flex Coils. The TDI PA is invisible to additional surface coils when they are placed directly on top of the surface.

The TDI HNA consists of 3 imaging components: a head base-plate, an anterior neuro-vascular face-array, and the open face adapter. The open-face design provides a patient-friendly feel. The base plate may be used with the open face adaptor to accommodate cervical spine exams in large or claustrophobic patients or for patients with intubation. Improved access and patient comfort may be achieved through elevation of the superior end of the coil.

- Elements: up to 29 combined with PA and AA
- Length: 53 cm; Width: 35 cm
- Height with NV Array: 35 cm
- S/I coverage: up to 45 cm with PA and AA
- Parallel imaging in all three scan planes

The Anterior Array facilitates chest, abdomen, pelvis, and cardiac imaging. The GEM AA is lightweight, thin and flexible, and pre-formed to conform to the patient's size and

Item No.	Qty	Description

shape. With 54 cm of S/I coverage, the GEM AA permits upper abdomen and pelvis imaging without repositioning the coil.

- Elements: up to 28 combined with PA
- Length: 55.6 cm; Width: 67.4 cm
- S/I coverage: 54 cm
- R/L coverage: up to the full 50 cm FOV
- Parallel imaging in all three scan planes
- Head-first or feet-first positioning

Ultra-High Efficiency Gradient System: The SIGNA™ Pioneer gradient coil is 2x more efficient than previous gradient coil designs (i.e. the Pioneer gradient coil requires half the amount of current required by previous designs to generate the same gradient field). This eco-friendly design enables the gradients to deliver superior performance while significantly reducing power consumption. Further, the SIGNA™ Pioneer gradient driver includes Intelligent Gradient Control (IGC) technology which employs a digital control system that utilizes predictive models of the electrical and thermal characteristics of the gradient coil to maximize the performance of the gradient system to deliver exceptional clinical performance.

- Peak amplitude per axis: 36 mT/m
- Up to 150 T/m/s instantaneous peak slew rate per axis
- Intelligent Gradient Control
- Maximum FOV: 50x50x45cm
- Duty Cycle: 100%

Quiet Technology (ART): SIGNA™ Pioneer features Acoustic Reduction Technology (ART) designed to deliver an enhanced patient experience by significantly addressing both vibrational noise and airborne sound through 5 levels of technology.

- Gradient & RF coil isolation – isolates the resonance module from the magnet
- Vibro-acoustic isolation – isolated the magnet from the building
- Mass-damped acoustic barriers – further mute sound
- Gradient waveform optimization – user selectable

Computing Platform: SIGNA™ Pioneer utilizes a parallel, multi-processor design to enable simultaneous scanning, reconstruction, filming, post-processing, archiving, and networking. The keyboard assembly integrates an intercom speaker, microphone, volume controls, and emergency stop switch. Start scan, pause scan, stop scan and table advanced to center hot keys are also included.

- Host PC Platform – Quad-Core Intel® Xeon E5-1620

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- 32GB (8 x 4GB) DDR3-1600 ECC
- 3 x 300GB Solid State Drive SASA
- 24" Widescreen flat panel LCD with 1920x1200 dot resolution
- Single tower configuration
- 4.7GB SAS DVD interchange

Reconstruction Engine – Dell R620XL Intel® (16 Cores 2.6Ghz)
- Memory: 96 GB
- Hard Disk Storage: 3 x 300GB SAS 10k RPM HDD, SAS Drive
- 2D FFT/second (256 x 256 Full FOV): 36,000 2DFFT/second
- Operating System: Scientific Linux

DICOM: The SIGNA™ Pioneer generates MR Image, Secondary Capture, Structured Report, and Gray Scale Softcopy Presentation State DICOM objects. The DICOM networking supports both send and query retrieve as well as send with storage commit to integrate with PACS archive. Please refer to the DICOM Compliance Statement for SIGNA™ Pioneer for further details.

SIGNA™Works clinical applications and SIGNA™Flow are the latest software platform from GE with core pulse sequences, specialized clinical applications, workflow enhancements and visualization tools designed to enable high productivity with exceptional quality and outcomes with SIGNA™ Pioneer.

SIGNA™Flow is designed to standardize and accelerate workflow from patient set-up to scanning to review. With SIGNA™Flow exams can be completed within a few mouse clicks – delivering quality and consistency for all patients and from all technologists. At the same time, SIGNA™Flow maintains the flexibility needed to rapidly adapt and optimize exams for patient specific situations.
- Comfort Plus Patient Table
- IntelliTouch Land-marking
- In-Room Operator Console
- Protocol Libraries & Management Tools
- Workflow Manager & Auto Functions
- Inline Processing, Networking & Viewing
- READYView post processing (on console)

Comfort Plus Patient Table: The SIGNA™ Pioneer offers a fully integrated Comfort Plus

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patient table (also known as TDI patient table), which features the embedded TDI Posterior Array, to help improve exam efficiency, and patient comfort. The Comfort Plus patient table can be lowered to very low heights to facilitate transfer of wheelchair patients. The cradle width has also been increased by ~30% from previous generations to enable a more comfortable experience for patients.

- Maximum patient weight for scanning: 550 lbs
- Maximum patient weight for lift: 550 lbs
- Automated vertical and longitudinal power drive
- Fast longitudinal speed: 25 cm/sec
- Slow longitudinal speed: 1.9 cm/sec
- IntelliTouch & laser land-marking
- Laser alignment land-marking

IntelliTouch Land-marking: IntelliTouch is designed to reduce land-marking steps for most exams to one touch. IntelliTouch sensor technology, integrated on each side of the Comfort Plus patient table, enables the user to establish the landmark for the exam by simply touching the sensor. In addition, SIGNA™ Pioneer provides laser alignment lights for exams that require greater precision.

The Dual In-room display monitors (IRD) speeds and guides the user through final patient set-up with intuitive controls and real-time feedback. Touch-screen monitors and key pads, integrated on both sides of the magnet, consolidate and place the necessary controls at the user's fingertips. During patient set-up, the in-room monitor updates status, and backlit keys guide the user to the next logical step. The in-room monitor also enables the user to check cardiac and respiratory waveforms without leaving the magnet room.

With the SIGNA™ Pioneer Dual In-room display monitors (IRD) the user has in-room control for:

- Display of patient name, ID, study description
- Display and entry of patient weight
- Display and entry of patient orientation and patient position
- Cardiac waveform display and ECG/EKG lead confirmation with gating control
- Respiratory waveform display
- IntelliTouch technology land-marking
- AutoStart to initiate scanning of the first series of the selected protocol
- Display connected coils and coil status

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- Display of table location and scan time remaining
- Screen saver
- Control in-bore ventilation and lighting

The in-room display also allows for the integration of third-party tools.

SIGNA™ Pioneer Express Exam delivers an automated method to obtain patient, exam and protocol information from a DICOM work-list server. For sites with full DICOM connectivity, once a patient has been selected from the Modality Worklist, a new session can be started and the In-Room Operator Console will automatically highlight the relevant exam details. The Modality Worklist enables complete control of the MR protocol prescription, but also reduces work by allowing the MR protocol to be selected and linked to the patient record in advance of the patient's arrival.

SIGNA™ Pioneer Express Exam enables exam automation while also giving the user complete control of protocols for prescription, saving, searching, and sharing. Protocols are organized into two libraries: GE Optimized (preloaded protocols) and Site Authored (customized and saved). Protocols can be saved based on patient demographics, anatomy, scan type, or identification number for rapid search and selection, and commonly used protocols can be flagged as favorites for quick selection from the Modality Work-list. ProtoCopy enables a complete exam protocol to be shared with the click of a mouse and provides a process for managing protocols across multiple systems as well as saving protocols for back-up.

GE protocols provided with the system include Protocol Notes designed to guide the user through the procedure. For special applications, Protocol Notes also include video guides with step-by-step video-based demonstration and instruction. Protocol Notes can be edited by the user to reflect protocol modifications to aid communication among users.

SIGNA™ Pioneer Express Exam Manager and Linking: Upon selection a protocol automatically loads into the Workflow Manager for implementation. The Workflow Manager controls location prescription, acquisition, processing, visualization and networking, and can fully automate these steps, if requested by the user. Once the target anatomy has been prescribed, the Linking feature can be used to translate appropriate parameters to all subsequent series that have been linked, eliminating the need for further action by the user.

Auto Functions when selected can automatically initiate the localizer, coil selection, series-to-series scanning, multi-station scanning, prescription of scan plans for brain

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exams, as well as delivered instructions to the patient. Pause and Resume allows the user to pause a scan in progress (even in automated mode), to respond to a patient need, and then resume mid-scan (without starting the scan over) helping to address rescans.

Auto Protocol Optimization (APx) is designed to optimize breath-hold exams by enabling rapid adjustment of imaging parameters for patient circumstances. APx automatically calculates alternative protocol parameters, to either optimize scan time or resolution, for one click selection.

Auto Navigators enable free-breathing (respiratory compensated) body imaging for patients unable to breath-hold. The diaphragm tracker pulse automatically places and updates to streamline workflow and eliminate the set-up time associated with respiratory bellows. Auto Navigators can be use with a broad range of imaging techniques including dynamic contrast enhanced T1-weighted imaging.

SIGNA™ Pioneer Express Exam Inline Processing automatically completes post-processing steps for the user after the images have been reconstructed and saved into the database. For certain tasks, such as vascular segmentation, the user must accept the results, or complete additional steps prior to saving the images to the database. These automated processing steps can be saved to the (scan) protocol to ensure consistent output and workflow:

- Diffusion weighted series: automatic compute and save
- eDWI: automatic compute and save
- Image filtering: automatic compute and save
- Maximum/Minimum Intensity Projection: automatic compute and save
- Pasting: automatic compute and save
- Reformat to orthogonal plane: automatic compute and save
- T2 map for cartilage: automatic compute and save
- 3D Volume Viewer: automatic load
- Image Fusion: automatic load
- Interactive Vascular Imaging: automatic load
- Spectroscopy: automatic load

SIGNA™ Pioneer Express Exam Advanced Visualization: READYView is an advanced visualization tool designed to simplify the quantitative analyses of multiple data sets. READYView automatically selects the most relevant post-processing protocol for the user and provides guided workflow and general assistance for the processing

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algorithms. In addition, the user can customize workflows with adjustable layouts, personalized parameter settings, and custom review steps. Key capabilities of READYView include the ability to analyze, export and save:

- Time series
- Diffusion weighted series
- Diffusion tensor series
- Variable echo series
- Blood oxygen level dependent series (functional data)
- Spectroscopy data
- Elastography series

SIGNA™Works is the latest software platform provided by GE, it includes the base pulse sequences, workflow enhancements and visualization tools to enable high productivity with exceptional quality and outcomes. SIGNA™Works, starting with the acquisitions, provides the tools needed to enable superb results in the various clinical fields. With 6 optimized Works categories, GE delivers preset protocols for the most demanding Neuro, Musculoskeletal, Cardiovascular, Body, Oncology and Paediatric areas. In addition to enabling the routine imaging, SIGNA™Works provides the user with a streamlined and efficient operating environment with in-line processing through single-click outcomes for even the most demanding processes.

NeuroWorks: Includes the basic imaging acquisitions and processing along with the latest in motion correction, functional and volumetrics. Supporting both simple reconstruction and real-time perfusion results with BrainStat AIF. Including:

- ReadyBrain automated brain exam prescription
- PROPELLER 3.0 motion robust radial FSE
- 3D Cube FSE-based imaging including Dual Inversion Recovery
- 3D COSMIC modified steady state imaging
- 3D BRAVO IR prepared fast SPGR imaging
- 3D FIESTA and 3D FIESTA-C fast steady state imaging
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- PROBE PRESS single voxel spectroscopy
- BrainStat AIF parametric maps
- READYview and BrainView post-processing

OrthoWorks: Delivers routine imaging that is not always a given. From motion correction to advanced volumetric imaging, GE's latest MSK techniques provide you

Item No.	Qty	Description

with the contrasts you need for the basic imaging to enhanced cartilage imaging. And with multiple tissue suppression methods available, OrthoWorks enables the best of what can be achieved in a standard configuration. Including:

- PROPELLER 3.0 motion robust radial FSE
- 3D Cube FSE-based imaging
- 2D/3D MERGE T2* multi-echo fast gradient echo imaging
- READYView post-processing

BodyWorks: The latest in Torso imaging is delivered with volumetric imaging supporting advanced Parallel imaging standard. Including, Snapshot imaging with optimized Single Shot FSE, 3D isotropic imaging for MRCP, Dynamic Imaging and Routine Volumetric imaging enabled with Motion Free navigation for post-contrast uses with high temporal resolution results. Motion correction is further enhanced with both the PB navigators as well as PROPELLER including T1 weighted results. Turbo class of acquisitions streamlines the speed and enables higher quality results. Advanced processing is made one-touch with the new READYView on Console capabilities. Including:

- Auto Navigators pencil-beam diaphragm tracker
- APx Auto Protocol Optimization for breath-hold exams
- PROPELLER 3.0 motion robust radial FSE
- 3D Cube FSE-based imaging
- eDWI enhanced diffusion with Multi-B value and SmartNEX
- 3D LAVA and TurboLAVA with Turbo ARC and SPECIAL
- 3D LAVA Flex and TurboLAVA Flex with fat-water separation
- 2D Fat Sat FIESTA fast steady state imaging
- Enhanced SSFSE
- Multiphase DynaPlan
- SmartPrep automated bolus detection
- Fluoro Trigger real-time bolus monitoring
- READYView and BodyView post-processing

CVWorks: Provides GE's extensive coverage for the latest techniques enabling high performance Cardiovascular imaging outcomes. Single Breath-Hold imaging for whole heart coverage are available from Morphology to Delayed enhancement. Enabling simplified generation of superb results including head-to-toe MRA support to single acquisition Time of Flight and additional non-contrast imaging for flow. With SmartPrep and Fluoro triggering enabled for first time right contrast injections.

Item No.	Qty	Description
		• Auto body Navigators pencil-beam diaphragm tracker • 2D/3D Time-Of-Flight & 2D Gated Time-of-Flight • 2D/3D Phase Contrast & Phase Contrast Cine • SmartPrep automated bolus detection • Fluoro Trigger real-time bolus monitoring • 3D QuickStep automated multi-station imaging • 2D FIESTA Cine steady-state, gated multi-phase imaging • 3D FS FIESTA steady-state imaging with Fat Sat • READYView post-processing PaedWorks: Is the GE solution to address your specific needs in Paediatric imaging, from standard sequences supported with the latest in motion control for brain to toes. GE delivers standard acoustic reduction technologies and further addresses clinical needs for volumetric imaging, whole body imaging and enhanced diffusion results. The streamlined processing enables simplified one-click processing and visualization of complex results. PaedWorks covers your needs for all anatomies and provides optimized protocols and preset procedures. Including: • PROPELLER 3.0 motion robust radial FSE • 3D Cube FSE-based imaging including Dual Inversion Recovery • 3D COSMIC modified steady state imaging • 3D BRAVO IR prepared fast SPGR imaging • 3D FIESTA and 3D FIESTA-C fast steady state imaging • eDWI enhanced diffusion with Multi-B value and SmartNEX • PROBE PRESS single voxel spectroscopy • Body Navigators pencil-beam diaphragm tracker • 3D LAVA and TurboLAVA with Turbo ARC and SPECIAL • 3D LAVA Flex and TurboLAVA Flex with fat-water separation • BrainStat AIF parametric maps • READYView and BrainView post-processing
2	1	SIGNA Pioneer 3.0T Magnet The SIGNA Pioneer is equipped with GE's most-advanced 3.0T magnet design, a spacious 70cm patient bore with bright inner-bore lighting, Total Digital Imaging RF architecture and MultiDrive RF transmit technology delivering performance, productivity and exceptional image quality.

Item No.	Qty	Description

GE's Wide-Bore Magnet Design: With GE's active shielding technology and space-age composite design, the lightweight 3.0T magnet minimizes weight while preserving homogeneity and minimizing fringe fields. The result is a 3.0T magnet that does not compromise performance yet can be installed almost anywhere. The magnet's high-homogeneity delivers excellent fat-saturation away from iso-center and ensures image quality over a full 50 cm field-of-view. Coupled with its zero-boil off technology and remote magnet monitoring technology, the SIGNA Pioneer 3.0T magnet is designed to provide years of worry-free, reliable, low-cost operation.

The SIGNA Pioneer introduces pioneering RF technology called TDI which stands for Total Digital Imaging and delivers imaging with greater clarity and increased SNR by up to 25%. TDI is built on three fundamental components:

- GE's Direct Digital Interface (DDI) employs an independent analog-to-digital converter to digitize inputs from each of the RF channels. Every input is captured and every signal digitized, literally redefining the concept of an RF channel. Not only does DDI technology improve SNR of our images, but it also works with legacy GE coils for unmatched flexibility.
- Digital Surround Technology (DST) combines the digital signal from every coil element with the signal from the integrated RF body coil. The superior SNR and sensitivity of the high-density surface coils are combined with the superior homogeneity and deeper signal penetration of the integrated RF Body Coil resulting in richer, higher quality spine and body images.
- Digital Micro Switching (DMS) technology represents a revolutionary advance in RF coil design by replacing analog blocking circuits with intelligent Micro Electro-Mechanical Switches (MEMS) by enabling coil design that supports ultrafast coil switching times for further expansion of zero TE imaging capabilities.

Dual In-Room Displays (IRD): By consolidating all controls into one place, the Dual In-Room Displays (IDR) provides real-time feedback to the operator to improve exam room efficiency With an in-room display monitor available at either side of the magnet, the technologist always has all the control he needs at his fingertips, irrespective of which side he is operating from. Further touch-screen capability makes the controls even more intuitive and easy to use. The display provides realtime interaction with the scanner and the host computer. The user has direct control or selection of the following:

- Display of patient name, ID, study description
- Display and entry of patient weight
- Display and entry of patient orientation and patient position

Item No.	Qty	Description
		• Cardiac waveform display and ECG/EKG lead confirmation with gating control: trigger select, invert and reset • Respiratory waveform display • IntelliTouch technology landmarking • AutoStart – initiate the scanner to automatically acquire, process, and network images • Display connected coils and coil status • Display of table location and scan time remaining • Screen saver • Control multiple levels of in-bore ventilation and lighting Ultra High Efficiency (UHE) Gradient System: The SIGNA Pioneer gradient coil is 2x more efficient than previous generation of products (i.e. the pioneer gradient coil requires half the amount of current required by previous designs to generate the same gradient field). This eco-friendly design enables the gradients to deliver superior performance while significantly reducing power consumption. The gradient is non-resonant and actively shielded to minimize eddy currents and mechanical forces within the system. The gradient coil and the RF body coil are integrated into a single module, which is water and air-cooled for optimum duty-cycle performance and patient comfort. Further, the SIGNA Pioneer gradient driver includes Intelligent Gradient Control (IGC) technology which employs a digital control system that utilizes predictive models of the electrical and thermal characteristics of the gradient coil to maximize the performance of the gradient system to deliver exceptional clinical performance. Utilizing a unique acoustic barrier material, acoustic noise levels are reduced for enhanced patient comfort without compromising imaging performance. SIGNA Pioneer MultiDrive RF Whole-Body RF Coil: The SIGNA Pioneer system with GE's MultiDrive RF transmit technology as a standard system feature. This system features a high efficiency 4-port drive RF body coil and independent RF amplitude and phase control to improve RF signal homogeneity across the field of view. The system features a fully automated optimization to adjust the RF settings for each patient to deliver optimal image quality regardless of patient size or shape.
3	1	Preinstallation Collector The Preinstallation Collector delivers to the site in advance of the magnet and main electronic components. This facilitates the later delivery and installation of supporting electronics. This collector contains the integrated cooling cabinet and the patient comfort and cryo hoses.

Item No.	Qty	Description
4	1	Vibroacoustic Dampening Kit Material in the Vibroacoustic Dampening Kit can significantly attenuate the transmission of gradient-generated acoustic noise through the building structure to nearby areas, including adjacent rooms and floors above or below the MR suite. If this kit is applied during the installation of a new magnet, no additional service charges are necessary. However, installation of the Vibroacoustic Dampening kit under an existing magnet requires special steps. The steps to prepare the site and steps to install, such as modifications to the RF screen room, and other magnet rigging, modifications to the RF screen room, and other finishing work, are not covered in the pricing.
5	1	Pioneer Scan Room Collector - Long The Scan Room Collector contains a collection of cables such as gradient cables and other materials necessary for system interconnections. The long configuration is designed for room configurations that require a long length based on distance between system components.
6	1	Equipment Room Collector - Long The Equipment Room Collector contains a collection of cables and parts required for interconnections between equipment room system components. The long configuration is designed for room configurations that require a long length based on distance between system components.
7	1	English Language Kit
8	1	Main Disconnect Panel The Main Disconnect Panel safeguards the MR system's critical electrical components, by providing complete power distribution and emergency-off control.
9	1	Operator's Console Table Wide table designed specifically for the color LCD monitor and keyboard.
10	1	Standard Magnet Shipping Crate
11	1	Standard Service License GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the

Item No.	Qty	Description
		beginning of this Quotation). The Standard License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.
12	1	3.0T GEM Flex Suite, Premium - P Connector The GEM Flex Suite is a versatile set of high density 16-channel receive coils designed to give high quality images in a wide range of applications. The high degree of flexibility was achieved by removing all non-essential electronics to an external interface assembly, ensuring reduced weight on the patient and better conformance to the anatomy. The high degree of flexibility is particularly advantageous when imaging patients that do not fit the constraints of rigid coils, improving patient and technologist experience, and enabling most exams to be completed with the same level of image quality expected from dedicated coils. This extended set includes all three sizes of coils, Small, Medium, and Large, and a knee stabilization fixture that is designed for compatibility with the flat GEM table. They cover a broad range of muscular skeletal applications, including hand, wrist, elbow, shoulder, hip (unilateral and bilateral), knee, ankle, and foot. In addition, the coils' versatility has been shown in a range of general purpose applications that include head, neck, and spine exams. Includes: • 3.0T GEM Flex Coils - Small, Medium, and Large Arrays. • 3.0T GEM Flex Interface Module 16-channel Fixed, P-Connector. • GEM Flex Knee Stabilization fixture for flat table. • GEM Flex GP Strap and Interface Module Cover. • GEM Flex Cable Take-up Pad and General Purpose Stabilization Pad.
13	1	Flex Array Positioner The Flex Array Positioner is a multipurpose support for a broad range of exams including foot, ankle, forefoot, knee, and head. A dedicated forefoot attachment allows the flex array elements to be wrapped tightly around the foot, yielding improved image quality. A repositionable support pad in the foot and ankle attachment allows for selection of a 90 degree position, or a relaxed position of the ankle. The pads and straps included with the stabilizer facilitate rapid setup and allow for flexibility in how the anatomy is secured.
14	1	GE Healthcare has partnered with the Glen Dimplex Group to offer chillers designed to

Item No.	Qty	Description

meet the needs of your MR System.
This chiller is highly reliable and is verified to perform with GE Healthcare MR systems. As part of your integrated GE Healthcare solution, you'll work with a single contact throughout the whole installation. A Project Manager of Installation will help with building layout, room designs, delivery and installation - every step until your system is ready to scan. Our team will work seamlessly with architects,

contractors and your internal team to help ensure timely, cost-effective completion. Once your cooling system is running, you'll get fast, highly-skilled service support managed through GE Healthcare with the same quality and response time you expect from your MR system.
FEATURES AND BENEFITS
- Integrated emergency water supply inside the cabinet for cooling the cryogen. Eliminates need for separate manual cryogen compressor water bypass.

- Designed to provide stable fully dedicated cooling for your MR system's needs

- Compact housing, zinc-plated and powder coated, painted white, suitable for outdoor installation

- Water/glycol outdoor-air-cooled chiller to support your highest exam volumes

and your full range of diagnostic procedures

- Quiet operation between patient exams and overnight - ideal for facilities in residential

areas

- Comes with installation support, commissioning of the chiller, one preventative maintenance

visit, and 12 months of parts and labor warranty

- Installation support includes: support through GE's Project Manager of Install, GE's

Design Center, technical support from the Glen Dimplex company

- Comprehensive and quality service rapidly delivered through our CARES service solution

- 300 liters of water-glycol pre-mixture (60/40%)

- Remote display panel provides the ability to monitor the system's operation from the control room. When plugged into a LAN connection, system can be remotely monitored and diagnosed for proactive maintenance.

- Highly recommended that Vibration Isolation Spring Kit (E8914DG) be added for systems that

will be rooftop mounted

- Environmental friendly and non-ozone harming refrigerant R134a

Item No.	Qty	Description
		- Condenser coated for coastal areas with specially treated nano coating to increase resistance against corrosion, salt water and dust SPECIFICATIONS - Net Cooling Capacity: 49 kW at 60Hz, 41kW at 50Hz - Coolant Outlet Temperature: 50 F (10 C) - Max Coolant Pressure : 3.2 Bar - Refrigerant: R134a - Coolant: 60% water and 40% glycol with inhibitors - Ambient Temp Range: -13 to 122 F (-25 to 50 C) - Tank Capacity: 100 liters - Supply Voltage: 460v/3 phase /60 Hz or 400v/3 phase/50 Hz - Overall Size (L x W x H) 855mm x 2295mm x 1930mm COMPATIBILITY: - GE Signa Pioneer 3.0T MR system and GE Signa Voyager 1.5T MR system NOTES: - Chiller is non-returnable and non-refundable.
15	1	TiP Discovery and Optima Family Training 10 Days Onsite Plus 10 Hrs TVA The TiP Training Choices program is designed for CURRENT GE customers WITHOUT HDx experience who purchase a Discovery or Optima system. Training is delivered onsite at the customer's facility and instructs students in start-up operation of the system and introduces participants to the system design, workflow, new options and clinical applications included. Extended TVA support ensures learners maintain performance over the long term. This training program must be scheduled and completed within 36 months after the date of product delivery.
		MRI Audio Music System
	1	**MR Accessories - SIGNA Artist 1.5T**
16	1	MRI Audio 1505 Complete music system for Premium MRI systems. The MRI Audio premium sound system is designed for comfort and allows the patient to listen to music while being scanned in an MRI. The technologist is in full control of the system headphones, microphone, sound source and volume controls. Standard 3.5 mm plug for music source allows any compatible music player, tablet or phone. In-ear headphones work with any head coil. Package includes:

Item No.	Qty	Description
		• Digital amplifier • iPad Mini • iPad Mini mount with lock • 3G transducer • In-ear headphones, 29dB noise reduction • Disposable ear tips (300 pairs) • Technologist's speakers • 6 ft RCA 3.5 mm cable • Auto-voice/MIC adapter
17	1	MRI Audio 29dB Ear plugs - 250 pairs per bag Replacement ear plugs compatible with MRI Audio in-ear headphone (E8823NB). Comprised of a flexible inner tube and surrounded by soft, comfortable foam. These ear plugs are rated at 29dB NRR when used in conjunction with in-ear headphone. 250 pairs per bag, 500 total pieces.
18	1	MRI Audio Over-ear headphone (29dB NRR) Premium over ear headphone with a one size fits all adjustable headband. Works for all MRI procedures except head coil exams. Rigorously tested to a 29dB noise reduction rating (NRR) and provides excellent sound quality when paired with the MRI Audio music system.

Quote Summary:

Total Quote Net Selling Price **$1,436,500.00**

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

ATTACHMENT B – PROJECT CAPITAL COST

Asheville Open MRI, Inc. Fixed MRI Replacement		
A. Site Costs		
	(1) Full purchase price of land	
	(2) Closing Costs	
	(3) Site Inspection & Survey	
	(4) Legal Fees & subsoil investigation	
	(5) Site Preparation Costs*	
	(6) Other:	
	(7) Sub-Total Site Costs	**$0**
B. Construction Contract		
	(8) Cost of Materials	$202,500
	(9) Cost of Labor	$202,500
	(10) Other: ***Construction Contingency***	$45,000
	(11) Sub-Total Construction Contract	**$450,000**
C. Miscellaneous Project Costs		
	(12) Building Purchase	
	(13) & (14) Fixed Equipment Purchase/Lease + Movable Equipment Purchase/Lease	$1,436,500
	(14a) Information Technology	$10,000
	(15) Furniture	$10,000
	(16) Landscaping	
	(17) Consultant Fees (CON Consultant)	
	Architect & Engineering Fees (+ Reimbursables)	$38,500
	Other:	
	Sub-Total Consultant Fees	
	(18) Financing Costs (Bond, Loan, etc.)/Imputed Interest	
	(19) Interest During Construction	
	(20) Other (Specify): ***Project Contingency***	
	(21) Sub-Total Miscellaneous	**$1,495,000**
D. Total Capital Cost of Project	**(22) Total Capital Cost of Project -*Sum above Subtotals for Rows (11) & (21)***	**$1,945,000**

ATTACHMENT C – ARCHITECT LETTER

Ec,A

Architecture, PC

June 29, 2017

Doug Shepard
Director of Real Estate and Development
MedQuest Associates, Inc.
3480 Preston Ridge Road
Suite 600
Alpharetta, GA 30005

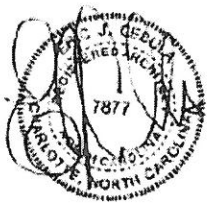
Re: Asheville Open MRI
MRI Replacement

Dear Mr. Shepard:

We have prepared our estimate for the replacement of a fixed MRI scanner at Asheville Open MRI. The projected construction cost, including labor and materials, is $450,000. The architectural and engineering fees are estimated not to exceed $38,500 including reimbursable expenses. Therefore, the total estimated cost of construction, including A&E fees, is $488,500.

If we can by of further assistance, please let me know.
Thank you.

Sincerely,



Eric Cebula, AIA

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704.849.6748 (tel) 800-652-0689
(fax) 704.906.6752 (cell) eca-cebula@carolina.rr.com

ATTACHMENT D – NC EQUIPMENT COMPARISON FORM

Asheville Open MRI, Inc. – Fixed MRI Replacement

Equipment Comparison Form

	Existing Equipment	Replacement Equipment
Type of Equipment (List Each Component)	MRI	MRI
Manufacturer of Equipment	GE	GE
Tesla Rating for MRIs	1.5T	3.0T
Model Number	HDi	Pioneer
Serial Number	R2907 CON Project # B-6440-01	TBD
Provider's Method of Identifying Equipment	MRI #2	MRI#2
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number /VIN#		
Mobile Tractor Serial Number /VIN#		
Date of Acquisition of Each Component	05/30/02 upgraded 5/31/09	Target Nov 2017
Does Provider Hold Title to Equipment or Have a Capital Lease?	Yes	
Specify if Equipment Was/Is New or Used When Acquired	Was New	Is New
Total Capital Cost of Project		$1,945,000
Total Cost of Equipment		$1,436,500
Fair Market Value of Equipment	$100,000	
Net Purchase Price of Equipment	+/-$1,500,000	$1,436,500
Locations Where Operated	Asheville, NC	Asheville, NC
Number of Days in Use/To be Used in NC per Year	255	255
Percent of Change in Patient Charges by Procedure	N/A	No increase
Percent of Change in Per Procedure Operating Expenses by Procedure	N/A	No increase
Type of Procedures Currently Performed on Existing Equipment	Ortho, Neuro, General	N/A
Type of Procedures New Equipment is Capable of Performing	N/A	Ortho, Neuro, General