ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY 8-4-17 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

THE REVISED BID DATE IS 8-4-17.
PLEASE SEE THE ATTACHED FOR CLARIFICATIONS AND ANSWERS TO QUESTIONS.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Jim Sutton
Contracting Officer / (859) 257-95406

SIGNATURE

________________________________________
Typed or Printed Name
07/14/2017

Integrative Medicine and Health Outpatient Clinic
Whitney-Hendrickson Building
800 Rose St.
Lexington, KY 40536-0098

ADDENDUM #001

Enclosures:
SPEC#      TOC, 011000 SUMMARY, 078443 JOINT FIRESTOPPING, Contractor Q & A Form

1.0 PURPOSE OF ADDENDUM:

1.1 The purpose of this Addendum is to clarify and/or revise the requirements of the construction documents produced by EOP Architects and KLH Engineers dated 06/06/2017 for the above noted project AND answer contractor questions during the Bidding Phase.

1.2 The Contractor shall be governed by this Addendum insofar as it applies to the work of each Sub-Contractor.

1.3 The Contractor shall acknowledge receipt of this Addendum on the Form of Proposal at the time his price bid is presented.

1.4 Addendum changes to specifications shown in bold.

2.0 PROJECT BID:

2.1 The Bid Date is extended to 8/4/2017 03:00PM, All questions are to be submitted by July 26th.

1. ARCHITECTURAL:

3.1 TOC. Added 078443 JOINT FIRESTOPPING

3.2 01 10 00 SUMMARY

A. 1.5, A. Access to site clarified to verify all workers are required to get badge access and badges can be...
obtained through the medical campus.

B. Added 1.8, General Information, A. Site Superintendent shall have a minimum of 5 years of Healthcare Experience as a Certified Healthcare Constructor in the State of Kentucky.

C. Added 1.9, Infection Control, Follow UK Guidelines for Infection Control. This project is Class IV based on ICRA (Infection Control Risk Assessment). The ICRA will be posted on the job site and must be adhered to throughout the project unless otherwise determined by the Infection Control Representative.

3.2 Added 078443 JOINT FIRESTOPPING
3.3 Addendum 01 Q&A Form

END OF ADDENDUM #001
<table>
<thead>
<tr>
<th>No.</th>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Room Finish Schedule indicates the use of CPT-3 but there is no CPT-3 listed on the Finish Legend or indicated in the spec book. The RFS also conflicts with notes on A1/A8.0 Room Finish Plan. Please clarify your intent for carpet types.</td>
<td>Please substitute CPT-3 for CPT-2 – Human Nature HN810 for Office and Group Therapy Flooring Material. Refer to the revised Finish Legend.</td>
</tr>
<tr>
<td>2</td>
<td>The specifications for Resilient Tile Flooring at 096519 Part 3 seems to indicate that there is NO transition between the LVT and the carpet. Is this correct? It will probably be difficult to create a perfection straight transitions between carpet and LVT in 301 and 305 since the LVT is a plank material.</td>
<td>The intention is a minimalistic clean look so EOP is proposing that the floor heights shall remain level at all thresholds and-or transitions between flooring material. Contractor shall remove subfloor material and-or provide trowelable underlayment as required to allow for flush and level transition between surfaces.</td>
</tr>
<tr>
<td>3</td>
<td>Room 301 is not included on the Room Finish Schedule.</td>
<td>Refer to the revised A8.0 sheet for changes in the Room Finish Schedule.</td>
</tr>
<tr>
<td>4</td>
<td>Room 318 and 315 seem to be confused on the RFS versus the Floor Plan. Please clarify the finishes of Room 318 and 315.</td>
<td>318 is not in the scope. Refer to A8.0 for 315 finishes.</td>
</tr>
<tr>
<td>5</td>
<td>The RFS conflicts on the type of ceiling tile to be installed. For example Rooms 305 and 306 on the RCP are indicated as ACT1 and the RFS indicates ACT2. Please clarity the correct ACT.</td>
<td>All ceiling to be ACT-1 – 24” x 24” tile. Unless otherwise noted.</td>
</tr>
<tr>
<td>6</td>
<td>The specifications define ACT2 as a 24”x72” panel but the RCP seems to indicate a 24”x24” tile. Is the 72” tile correct</td>
<td>All ceiling to be ACT-1 – 24” x 24” tile. Unless otherwise noted.</td>
</tr>
<tr>
<td>7</td>
<td>What is the distance from the concrete floor to the structure above? What type of construction is the structure above?</td>
<td>13’ from floor finish to top of concrete roof structure. Verify dimension from FFE to Bottom of Concrete in field.</td>
</tr>
<tr>
<td></td>
<td>Please advise if UK is going to provide a IP drop at the panel location. If UK is not providing an IP drop what is the cost associated to the drop. The Spec (230900-2, section J) read “This contractor is responsible for paying UK communications to install all need Ethernet connections required for proper communication.”</td>
<td>Contractor is responsible for the Conduit Path and Rough in, UK PM will submit a work order to run the cable and connect the system.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>9</td>
<td>What is the project budget?</td>
<td>$400,000-$600,000</td>
</tr>
<tr>
<td>10</td>
<td>Will the Contractor be responsible for the Data/Voice scope of work?</td>
<td>Contractor will be responsible for conduit path and rough in and associated outlets, junction boxes, etc..</td>
</tr>
<tr>
<td>11</td>
<td>Will the Contractor be responsible for the Fire Alarm Scope of work?</td>
<td>Yes</td>
</tr>
<tr>
<td>12</td>
<td>Will the Contractor be responsible for the Fire Protection Scope of work?</td>
<td>Yes</td>
</tr>
<tr>
<td>13</td>
<td>The specs indicate that MC Cable is allowable. Please confirm.</td>
<td>MC is not allowed on this project</td>
</tr>
</tbody>
</table>
PROJECT 7643
INTEGRATIVE MEDICINE & HEALTH OUTPATIENT CLINIC
UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS
011000 - SUMMARY
012200 – UNIT PRICES
012500 – SUBSTITUTION PROCEDURES
012600 – CONTRACT MODIFICATION PROCEDURES
012900 – PAYMENT PROCEDURES
013100 – PROJECT MANAGEMENT AND COORDINATION
013200 – CONSTRUCTION PROGRESS DOCUMENTATION
013300 – SUBMITTAL PROCEDURES
014000 – QUALITY REQUIREMENTS
015000 – TEMPORARY FACILITIES AND CONTROLS
016000 – PRODUCT REQUIREMENTS
017300 – EXECUTION
017700 – CLOSEOUT PROCEDURES
017823 – OPERATION AND MAINTENANCE DATA
017839 – PROJECT RECORD DOCUMENTS
017900 – DEMONSTRATION AND TRAINING

DIVISION 02 – EXISTING CONDITIONS
024119 – SELECTIVE DEMOLITION

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES
061053 – MISCELLANEOUS ROUGH CARPENTRY
064116 – PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS

DIVISION 07 – THERMAL AND MOISTURE PROTECTION
072100 – THERMAL INSULATION
078413 – PENETRATION FIRESTOPPING
078443 – JOINT FIRESTOPPING

DIVISION 08 - OPENINGS
081113 – HOLLOW METAL DOORS AND FRAMES
084116 – FLUSH WOOD DOORS
084113 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
087100 – DOOR HARDWARE
088000 – GLAZING

DIVISION 09 – FINISHES
092216 – NON-STRUCTURAL METAL FRAMING
092900 – GYPSUM BOARD
093013 – CERAMIC TILING
095113 – ACOUSTICAL PANEL CEILINGS
096513 – RESILIENT BASE AND ACCESSORIES
096519 – RESILIENT TILE FLOORING
096813 – TILE CARPETING
099123 – INTERIOR PAINTING

DIVISION 10 – SPECIALTIES
101423 – PANEL SIGNAGE
104413 – FIRE PROTECTION CABINETS
104416 – FIRE EXTINGUISHERS

DIVISION 12 – FURNISHINGS
123661 – SIMULATED STONE COUNTERTOPS

DIVISION 21 – FIRE PROTECTION
210500.00 – COMMON WORK RESULTS FOR FIRE-SUPPRESSION
211313.00 – WET-PIPE SPRINKLER SYSTEMS

DIVISION 22 – PLUMBING
220500.00 – COMMON WORK RESULTS FOR PLUMBING
220503.00 – SUBMITTALS FOR PLUMBING
220505.00 – EXISTING CONDITIONS AND DEMOLITION
220517.00 – SLEEVES AND SEALS FOR PLUMBING PIPING
220518.00 – ESCUTCHEONS FOR PLUMBING PIPING
220523.00 – GENERAL-DUTY VALVES FOR PLUMBING PIPING
220529.00 – HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
220553.00 – IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
220719.00 – PLUMBING SYSTEMS INSULATION
221116.00 – DOMESTIC WATER PIPING
221316.00 – SANITARY WASTE AND VENT PIPING
224000.00 – PLUMBING FIXTURES

DIVISION 23 – HVAC
230501.00 – COMMON REQUIREMENTS FOR HVAC
230505.00 – EXISTING CONDITIONS AND DEMOLITION
230523.00 – GENERAL DUTY VALVES FOR HVAC PIPING
230529.00 – HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
230553.00 – IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
230593.00 – TESTING, ADJUSTING, AND BALANCING FOR HVAC
230713.00 – DUCT INSULATION
230719.00 – HVAC PIPING INSULATION
230900.00 – BUILDING AUTOMATION SYSTEM
232113.23 – ABOVEGROUND HYDRONIC PIPING AND SPECIALTIES
233113.00 – METAL DUCTS
233300.00 – AIR DUCT ACCESSORIES  
233600.00 – AIR TERMINAL UNITS  
233713.00 – DIFFUSERS, REGISTERS AND LOUVERS

### DIVISION 26 – ELECTRICAL

260501.00 – COMMON REQUIREMENTS FOR ELECTRIC  
260502.00 – COMMON ELECTRIC MATERIALS AND METHODS  
260503.00 – SUBMITTALS FOR ELECTRICAL SYSTEMS  
260505.00 – EXISTING CONDITIONS  
260519.00 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES  
260526.00 – GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS  
260529.00 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS  
260533.00 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS  
260537.00 – J-HOOK PATHWAYS FOR ELECTRICAL SYSTEMS  
260544.00 – SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLELING  
260553.00 – IDENTIFICATION FOR ELECTRICAL SYSTEMS  
260919.00 – ENCLOSED CONTACTORS  
260923.00 – LIGHTING CONTROL DEVICES  
260936.00 – MODULAR DIMMING CONTROLS  
262726.00 – WIRING DEVICES  
262816.13 – ENCLOSED CIRCUIT BREAKERS  
265100.00 – LIGHTING

### DIVISION 28 – FIRE ALARM SYSTEM

284621.25 – FIRE ALARM SYSTEM EXTENSION

END TABLE OF CONTENTS
SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Project information.
   2. Work covered by Contract Documents.
   3. Access to site.
   4. Coordination with occupants.
   5. Work restrictions.

B. Related Requirements:
   1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

A. Project Identification: Integrative Medicine & Health Outpatient Clinic

1. Project Location: 800 Rose St.
   Whitney Hendrickson Building – 3rd Floor
   University of Kentucky Medical Center
   Lexington, Kentucky 40536

B. Owner: University of Kentucky
   Lexington, Kentucky 40506

1. Owner's Representative: Wayne Currier, Project Manager

C. Architect: EOP Architects (EOP)
   201 West Short Street, Suite 700
   Lexington, Kentucky 40507
   859-231-7538

D. Architect's Consultants: The Architect has retained the following design professionals who have prepared designated portions of the Contract Documents:

1. Mechanical Engineer: KLH Consulting Engineers
1.4 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. The renovation of approximately 3,000 square feet of the 3rd Floor of Whitney Hendrickson Building. The renovation will provide Treatment rooms consult rooms, a multipurpose room, office and lobby/reception.

1.5 ACCESS TO SITE

A. General: Contractor shall have limited use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project. All Contractors and Contractor Employees who will be working on this project are required to have the appropriate security badges. Badges are to be obtained through the Medical Campus.

B. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

C. Dumpster Location: A dumpster will be allowed within adjacent loading dock, as approved by UK. Dumpster must fit in size allotted space.

1.6 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

2. UK will have limited parking. Parking is permitted after hours outside the Kelley Building and by permit. Contact UK to verify available parking

B. On-Site Work Hours: Contractor is restricted on work hours throughout the week and on Saturday; all work is only permitted 7:00 pm – 7:00 am. The work for this project will be night work or third shift hours. Contractors shall not work when the Chemotherapy Clinic on the Second Floor is in operation.

C. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to adjoining property owners with Owner. All construction debris shall be isolated and moved during after work hours on a protected elevator to the basement and out of the building. Contractor shall notify UK of Infection Control plan prior to construction work beginning.

1. Notify General Contractor not less than two days in advance of proposed disruptive operations.

2. Obtain General Contractor’s written permission before proceeding with disruptive operations.
D. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.

1.7 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard and scheduled on Drawings.

1.8 GENERAL INFORMATION

A. Site Superintendent shall have a minimum of 5 years of Healthcare experience as a Certified Healthcare Constructor in the State of Kentucky.

1.9 INFECTION CONTROL

A. Follow UK Guidelines for Infection Control. This project is Class IV based on ICRA (Infection Control Risk Assessment). The ICRA will be posted on the job site and must be adhered to throughout the project unless otherwise determined by the Infection Control Representative.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000
SECTION 078443 - JOINT FIRESTOPPING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY
A. Section Includes:
   1. Joints in or between fire-resistance-rated constructions.
   2. Joints at exterior curtain-wall/floor intersections.
B. Related Requirements:
   1. Section 078413 "Penetration Firestopping" for penetrations in fire-resistance-rated walls, horizontal assemblies, and smoke barriers [and for wall identification].

1.3 ACTION SUBMITTALS
A. Product Data: For each type of product.
B. Product Schedule: For each joint firestopping system. Include location, illustration of firestopping system, and design designation of qualified testing agency.
   1. Engineering Judgments: Where Project conditions require modification to a qualified testing agency's illustration for a particular joint firestopping system condition, submit illustration, with modifications marked, approved by joint firestopping system manufacturer's fire-protection engineer as an engineering judgment or equivalent fire-resistance-rated assembly.

1.4 INFORMATIONAL SUBMITTALS
A. Qualification Data: For Installer.
B. Product Test Reports: For each joint firestopping system, for tests performed by a qualified testing agency.

1.5 CLOSEOUT SUBMITTALS
A. Installer Certificates: From Installer indicating that joint firestopping systems have been installed in compliance with requirements and manufacturer's written instructions.
1.6 QUALITY ASSURANCE

A. Installer Qualifications: A firm that has been approved by FM Global according to FM Global 4991, "Approval of Firestop Contractors," or been evaluated by UL and found to comply with UL's "Qualified Firestop Contractor Program Requirements."

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Do not install joint firestopping systems when ambient or substrate temperatures are outside limits permitted by joint firestopping system manufacturers or when substrates are wet due to rain, frost, condensation, or other causes.

B. Install and cure joint firestopping systems per manufacturer's written instructions using natural means of ventilation or, where this is inadequate, forced-air circulation.

1.8 COORDINATION

A. Coordinate construction of joints to ensure that joint firestopping systems can be installed according to specified firestopping system design.

B. Coordinate sizing of joints to accommodate joint firestopping systems.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics:

1. Perform joint firestopping system tests by a qualified testing agency acceptable to authorities having jurisdiction.
2. Test per testing standards referenced in "Joint Firestopping Systems" Article. Provide rated systems complying with the following requirements:
   a. Joint firestopping systems shall bear classification marking of a qualified testing agency.
      1) UL in its "Fire Resistance Directory."
      2) Intertek Group in its "Directory of Listed Building Products."

2.2 JOINT FIRESTOPPING SYSTEMS

A. Joint Firestopping Systems: Systems that resist spread of fire, passage of smoke and other gases, and maintain original fire-resistance rating of assemblies in or between which joint firestopping systems are installed. Joint firestopping systems shall accommodate building movements without impairing their ability to resist the passage of fire and hot gases.

B. Joints in or between Fire-Resistance-Rated Construction: Provide joint firestopping systems with ratings determined per ASTM E 1966 or UL 2079.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   a. 3M Fire Protection Products.
   b. Hilti, Inc.
   c. NUCO Inc.
   d. RectorSeal.
   e. Tremco, Inc.

2. Fire-Resistance Rating: Equal to or exceeding the fire-resistance rating of the wall, floor, or roof in or between which it is installed.

C. Joints in Smoke Barriers: Provide fire-resistive joint systems with ratings determined per UL 2079 based on testing at a positive pressure differential of 0.30-inch wg (74.7 Pa).

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   a. 3M Fire Protection Products.
   b. Hilti, Inc.
   c. NUCO Inc.
   d. RectorSeal.
   e. Tremco, Inc.

2. L-Rating: Not exceeding 5.0 cfm/ft. (0.00775 cu. m/s x m) of joint at both ambient and elevated temperatures.

D. Accessories: Provide components of fire-resistive joint systems, including primers and forming materials, that are needed to install elastomeric fill materials and to maintain ratings required. Use only components specified by joint firestopping system manufacturer and approved by the qualified testing agency for conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for joint configurations, substrates, and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Surface Cleaning: Before installing fire-resistive joint systems, clean joints immediately to comply with fire-resistive joint system manufacturer's written instructions and the following requirements:
   1. Remove from surfaces of joint substrates foreign materials that could interfere with adhesion of elastomeric fill materials or compromise fire-resistive rating.
   2. Clean joint substrates to produce clean, sound surfaces capable of developing optimum bond with elastomeric fill materials. Remove loose particles remaining from cleaning operation.
3. Remove laitance and form-release agents from concrete.

B. Prime substrates where recommended in writing by joint firestopping system manufacturer using that manufacturer's recommended products and methods. Confine primers to areas of bond; do not allow spillage and migration onto exposed surfaces.

3.3 INSTALLATION

A. General: Install fire-resistive joint systems to comply with manufacturer's written installation instructions and published drawings for products and applications indicated.

B. Install forming materials and other accessories of types required to support elastomeric fill materials during their application and in position needed to produce cross-sectional shapes and depths required to achieve fire ratings indicated.

1. After installing elastomeric fill materials and allowing them to fully cure, remove combustible forming materials and other accessories not indicated as permanent components of fire-resistive joint system.

C. Install elastomeric fill materials for fire-resistive joint systems by proven techniques to produce the following results:

1. Elastomeric fill voids and cavities formed by joints and forming materials as required to achieve fire-resistance ratings indicated.
2. Apply elastomeric fill materials so they contact and adhere to substrates formed by joints.
3. For elastomeric fill materials that will remain exposed after completing the Work, finish to produce smooth, uniform surfaces that are flush with adjoining finishes.

3.4 IDENTIFICATION

A. Joint Identification: Identify joint firestopping systems with legible metal or plastic labels. Attach labels permanently to surfaces adjacent to and within 6 inches (150 mm) of joint edge so labels are visible to anyone seeking to remove or joint firestopping system. Use mechanical fasteners or self-adhering-type labels with adhesives capable of permanently bonding labels to surfaces on which labels are placed. Include the following information on labels:

2. Contractor's name, address, and phone number.
3. Designation of applicable testing agency.
4. Date of installation.
5. Manufacturer's name.
6. Installer's name.

3.5 FIELD QUALITY CONTROL

A. Inspecting Agency: Owner will engage a qualified testing agency to perform tests and inspections according to ASTM E 2393.

B. Where deficiencies are found or joint firestopping systems are damaged or removed due to testing, repair or replace joint firestopping systems so they comply with requirements.
C. Proceed with enclosing joint firestopping systems with other construction only after inspection reports are issued and installations comply with requirements.

3.6 CLEANING AND PROTECTION

A. Clean off excess elastomeric fill materials adjacent to joints as the Work progresses by methods and with cleaning materials that are approved in writing by joint firestopping system manufacturers and that do not damage materials in which joints occur.

B. Provide final protection and maintain conditions during and after installation that ensure joint firestopping systems are without damage or deterioration at time of Substantial Completion. If damage or deterioration occurs despite such protection, cut out and remove damaged or deteriorated fire-resistive joint systems immediately and install new materials to produce fire-resistive joint systems complying with specified requirements.

END OF SECTION 078443