



**PROJECT INFORMATION**

|   |                              |
|---|------------------------------|
| PROJECT NAME: COLLEGE OF MEDICINE BOILER SYSTEM REPLACEMENT   | DATE COMPLETED: JUNE 3, 2024 |
| PROJECT NUMBER: 21100201  | PROJECT MANAGER: DAVID EDGAR |
| PROJECT DESCRIPTION: (2) BOILERS REMOVED AND REPLACED IN MECHANICAL ROOM 195 AT THE COLLEGE OF MEDICINE. 1 BOILER IS CAPABLE OF ENTIRE LOAD OF BUILDING AND THE 2ND PROVIDES 100% REDUNDANCY. NEW PRIMARY PUMPS PROVIDED FOR EACH BOILER, AS WELL AS NEW CONTROLS. TEST AND BALANCE PERFORMED. CONTROL BOXES, METERS, CP-1 SWITCH RELOCATED. NEW STRUTS AND BACKBOARDS PROVIDED FOR MOUNTING NEW PUMP AND BOILER DISCONNECT SWITCHES. NEW SURFACE MOUNTED 2 PORT DATA RECEPTACLE INSTALLED BELOW HOT WATER CONTROLLER. NEW EMERGENCY PUSH BUTTON PROVIDED. EXISTING SINK REPLACED. NEW SPRINKLER INSTALLED. |                              |

**PROJECT IMAGES**





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| PROJECT COST   |                      |
|--|----------------------|
| <b>DESIGN COST</b>                                     | <b>\$ 8,200.00</b>   |
| ARCHITECT / ENGINEER / INTERIOR DESIGN                 | \$ 8,200.00          |
| <b>CONSTRUCTION COST</b>                               | <b>\$ 557,501.11</b> |
| DIVISION 1 - GENERAL REQUIREMENTS (DUMPSTERS, ETC.)    | \$ 12,910.00         |
| DIVISION 2 - EXISTING CONDITIONS                       | \$ -                 |
| DIVISION 3 - CONCRETE                                  | \$ 6,250.00          |
| DIVISION 4 - MASONRY                                   | \$ -                 |
| DIVISION 5 - METALS                                    | \$ -                 |
| DIVISION 6 - WOOD, PLASTICS & COMPOSITES               | \$ -                 |
| DIVISION 7 - THERMAL & MOISTURE PROTECTION             | \$ 3,500.00          |
| DIVISION 8 - OPENINGS                                  | \$ -                 |
| DIVISION 9 - FINISHES                                  | \$ 18,700.00         |
| DIVISION 10 - SPECIALTIES                              | \$ -                 |
| DIVISION 11 - EQUIPMENT                                | \$ -                 |
| DIVISION 12 - FURNISHINGS                              | \$ -                 |
| DIVISION 13 - SPECIAL CONSTRUCTION                     | \$ -                 |
| DIVISION 14 - CONVEYING EQUIPMENT                      | \$ -                 |
| DIVISION 21 - FIRE SUPPRESSION                         | \$ -                 |
| DIVISION 22 - PLUMBING                                 | \$ 24,082.32         |
| DIVISION 23 - HVAC                                     | \$ 335,350.23        |
| DIVISION 26 - ELECTRICAL                               | \$ 37,190.00         |
| DIVISION 27 - COMMUNICATIONS                           | \$ -                 |
| DIVISION 28 - ELECTRONIC SAFETY & SECURITY             | \$ -                 |
| DIVISION 31 - EARTHWORK                                | \$ -                 |
| DIVISION 32 - EXTERIOR IMPROVEMENT                     | \$ -                 |
| DIVISION 33 - UTILITIES                                | \$ 6,300.00          |
| COMMISSIONING  | \$ 18,178.00         |
| GENERAL LIABILITY                                      | \$ 4,449.00          |
| GENERAL CONDITIONS (STAFFING, ETC.)                    | \$ 50,518.00         |
| CONTRACTOR'S FEE (OVERHEAD & PROFIT)                   | \$ 33,844.56         |
| PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K) | \$ 6,229.00          |
| <b>INFORMATION TECHNOLOGIES &amp; RESOURCES COST</b>   | <b>\$ -</b>          |
| UCF IT   | \$ -                 |
| OFFICE OF INSTRUCTIONAL RESOURCES (OIR)                | \$ -                 |
| <b>FBO AND PERMITTING COST</b>                         | <b>\$ 27,079.22</b>  |
| BUILDING CODE OFFICE                                   | \$ 7,931.00          |
| STATE FIRE MARSHALL                                    | \$ 1,441.00          |
| PROJECT MANAGEMENT FEES                                | \$ 17,707.22         |
| FACILITIES OPERATIONS ALLOWANCE                        | \$ -                 |
| CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)   | \$ -                 |
| <b>TOTAL PROJECT COST</b>                              | <b>\$ 592,780.33</b> |

| PROJECT TIME                                     |                                |              |
|--|--------------------------------|--------------|
| START  | PROJECT SUBMITTED BY CLIENT    | 1.25 MONTHS  |
|  | SPAA, F&S REVIEW               |              |
|  | PM ASSIGNED                    |              |
|  | PM CONTACTS REQUESTER          |              |
|  | PM DEVELOPS SCOPE              |              |
| DESIGN   | A/E SELECTED                   | 8.25 MONTHS  |
|  | A/E PROPOSAL REVIEW            |              |
|  | MPP TO CLIENT                  |              |
|  | CLIENT APPROVAL AND FUNDING    |              |
|  | REQUISITION GENERATED          |              |
|  | PO ISSUED (NOTICE TO PROCEED)  |              |
|  | A/E DESIGN                     |              |
|  | WORKSHOPS                      |              |
| BID/PERMIT                                       | PERMIT REVIEWS                 | 7 MONTHS     |
|  | S/S PERMIT DRAWINGS RECVD      |              |
|  | PERMIT SUBMISSION              |              |
|  | BUILDING CODE OFFICE REVIEW    |              |
|  | STATE FIRE MARSHALL REVIEW     |              |
|  | CONTRACTOR WALK-THROUGH        |              |
|  | CONTRACTOR BID                 |              |
|  | PM REVIEWS BID                 |              |
|  | AVP F&S APPROVAL OF BID        |              |
|  | PM PREPARES MPP                |              |
|  | MPP TO CLIENT                  |              |
| CONSTRUCTION                                     | CLIENT APPROVAL AND FUNDING    | 14.25 MONTHS |
|  | REQUISITION GENERATED          |              |
|  | PO ISSUED (NOTICE TO PROCEED)  |              |
|  | CONSTRUCTION STARTS            |              |
|  | RFIS, SUBMITTALS, DOCUMENTS    |              |
|  | PROGRESS REVIEWS               |              |
|  | PAYMENT APPLICATIONS, INVOICES |              |
| CLOSE-OUT  | INSPECTIONS                    | 8 MONTHS     |
|  | CERTIFICATE OF COMPLETION      |              |
|  | CERTIFICATE OF OCCUPANCY       |              |
|  | BENEFICIAL OCCUPANCY BY CLIENT |              |
|  | PUNCH LIST COMPLETION          |              |
| FINAL INVOICES                                   | 8 MONTHS                       |              |
| OWNER'S MANUALS                                  |                                |              |
| ASSET TURNOVER TO OPERATIONS                     |                                |              |
| ACCOUNTING CLOSE-OUT                             |                                |              |
| <b>TOTAL PROJECT TIME - 3 YEARS, 2.75 MONTHS</b> |                                |              |