



# FAST Training Facilities & Operations

Christian Reed, Sr. Campus Architect

## Discussion Topics

- Construction Project Updates
- 2023 Campus Master Plan Update
- Project Request Process



 **EXCELLENT SPACES**   
**UNLOCK INSPIRATION**  



# Construction Project Updates



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# (CTC) Counseling Services Center Renovations

Completed August 2022



# Altenkirch Lawn “Greenway” Phase III

Completed August 2022



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# Altenkirch Lawn “Greenway” Phase III

Completed August 2022



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# Spragins Hall Interior Renovations

Completed February 2023



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# Altenkirch Lawn “Greenway” Phase IV

Completed February 2023



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# Altenkirch Lawn “Greenway” Phase IV

Completed February 2023



# North Lake Dredging & Repairs

Anticipated Completion Summer 2023



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# ADFS Forensic Laboratory & Medical Facility

Anticipated Completion March 2024



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# Campus Roof Replacement Projects

## 2022 & 2023

### 2022 Projects

- Cramer Research Hall
- Johnson Research Center
- Optics Building
- Olin B. King Technology Hall

### 2023 Projects

- Business Administration Building
- Central Plant Building
- Materials Science Building
- Physical Plant Building



# 2023 Campus Master Plan Update



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# 2023 Campus Master Plan Update

## Steering Committee

Nikki Goode  
Gloria Greene  
Jason Greene  
Ronnie Hebert  
Neil McMillion  
David Moore  
Tommy Morris  
Melody Ng  
Louise O'Keefe  
Patrick Reardon  
Christian Reed  
Malcolm Rice  
Carmen Scholz  
Cade Smith  
Greg Smith



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# 2023 Campus Master Plan Update

## Scope of Work

- Develop Priorities, Goals, Guiding Principles, & Growth Strategies
- Conduct Facilities Assessments
- Space Inventory & Utilization Study based on key performance metrics
- Identify Short-Term development goals with phasing and enabling projects
- Identify Long-Term development goals with phasing and enabling projects



# Project Request Process



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# Project Request Process

## Why a New Process?

- Ensure compliance with building codes, laws, and regulations
- Adhere to UAH's policies, strategic initiatives, & Master Planning efforts
- Adhere to UAH's design and construction standards
- Ensure cohesive campus image and character standards



# Project Request Process



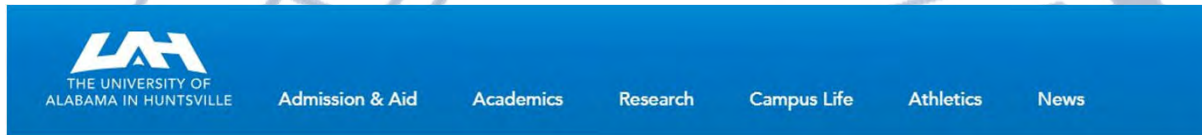
## Services Provided

- Project Planning
  - Furniture & Furnishings
  - Signage
  - Cosmetic Projects
  - Renovation & Construction Projects



# Project Request Process

## How to Make a Request?



FACILITIES AND OPERATIONS



**Complete a Project Request Form**




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# Project Request Process

## Project Request Form

- Primary Contact Information
- Project Location
- Project Type(s)
- Funding Source Information
- Approval Signature(s)

★ *This is the same form used for Furniture & Signage Requests.*


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**PROJECT REQUEST**

Please answer all of the questions on this form, attach additional pages as necessary, complete the approvals signature block, and email the entire packet to [Facilities@uah.edu](mailto:Facilities@uah.edu) at the Department of Facilities & Operations.

| PRIMARY CONTACT   |                |  |
|-------------------|----------------|--|
| CONTACT NAME:     | DEPARTMENT:    |  |
| TELEPHONE NUMBER: | EMAIL ADDRESS: |  |
| CAMPUS ADDRESS:   |                |  |

| PROJECT & PROGRAM SUMMARY |   |  |
|---------------------------|---|--|
| PROJECT TITLE:            |   |  |
| BUILDING NAME:            | PROPOSED LOCATION:  |  |
| SPACE TYPE (1):           | <input type="checkbox"/> ACADEMIC <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> COMMON / SHARED<br><input type="checkbox"/> RESEARCH <input type="checkbox"/> ADMINISTRATIVE / OFFICES <input type="checkbox"/> SUPPORT |  |
| PROJECT TYPE (2):         | <input type="checkbox"/> FURNITURE & FURNISHINGS <input type="checkbox"/> SIGNAGE <input type="checkbox"/> PROJECT PLANNING<br><input type="checkbox"/> COSMETIC <input type="checkbox"/> RENOVATION / CONSTRUCTION                     |  |
| REASON FOR REQUEST:       | <input type="checkbox"/> COST ESTIMATE ONLY (2) <input type="checkbox"/> DESIRE TO COMPLETE THE PROJECT AS REQUESTED  |  |

| FUNDING SOURCE   |                         |
|------------------|-------------------------|
| DWG CODE (3):    | ESTIMATED PROJECT COST: |
| SOURCE OF FUNDS: | FUNDS AVAILABLE (3):    |

| APPROVALS                                      |           |      |
|--|-----------|------|
| Department Chair / Director's Name             | Signature | Date |
| College Dean / Assistant Vice-President's Name | Signature | Date |
| Provost / Vice-President's Name                | Signature | Date |

**NOTES:**

1. Check all project types that apply.
2. Cost estimates may take up to three months for large project requests.
3. Please note, if funding source information is not provided, this request will be prioritized below all requests submitted with secured funding.

**ANTICIPATED PROJECT SCHEDULES:**

| PROJECT TYPE              | PROJECT REVIEW | PLANNING & DESIGN | CONSTRUCTION         |
|---------------------------|----------------|-------------------|----------------------|
| Furniture / Signage       | 4 Weeks        | 4 Weeks           | 8 Weeks for Delivery |
| Cosmetic                  | 4 Weeks        | 4 to 8 Weeks      | 8 to 12 Weeks        |
| Renovation / Construction | 3 to 4 Months  | 1-12 Months       | 2-24 Months          |

The ranges offered above include simple work, like subdividing a room with a new wall, up to building an entire new building. Planning, design, and construction time frames are all functions of the size and complexity of the project.


Please note, new projects must wait until current project schedules allow them to begin. After a request is approved and prioritized, it may take two to three months for the Planning, Design & Construction (PDC) Office to begin planning the new project. A PDC Project Manager will be assigned to the project and will contact the Primary Contact listed above.

Under Alabama law, the services of a registered architect are required on all buildings. No state official may waive this requirement. The state may not accept or approve any plans or specifications not prepared by a registered architect. The only exemptions to these rules are listed in Alabama Code section 34-2-32(b) and are rarely applicable at the University.



# Project Request Process

## Total Project Budget

|  DEPARTMENT OF FACILITIES & OPERATIONS<br>PLANNING, DESIGN & CONSTRUCTION<br>COMPREHENSIVE PROJECT BUDGET |  |                        |                        |
|--|--|------------------------|------------------------|
| <b>NUMBER:</b>   | 20030  | <b>DATE:</b>           | October 13, 2022       |
| <b>PROJECT:</b>  | Sprague Hall - Site Infrastructure, Hardscape, Landscape, & Storage Enhancements |                        |                        |
| <b>F/O AGENT:</b>  | Christian Reed   | <b>PHASE:</b>          | Bidding                |
| <b>PROJECT AREA (SF):</b>  |  |                        |                        |
| <b>GENERAL CONSTRUCTION COSTS</b>  |  |                        |                        |
| Base Bid   | Bid - The Highland Group (10/13/22)  |                        | \$ 2,190,023.00        |
| Alternate 1 - ADA Parking Lot Upgrades   | Bid - The Highland Group (10/13/22)  |                        | \$ 108,623.00          |
| Alternate 2 - Site Drainage & Parking Lot G15 Upgrades   | Bid - The Highland Group (10/13/22)  |                        | \$ 130,230.00          |
| Alternate 3 - CCTV Security Cameras  | Bid - The Highland Group (10/13/22)  |                        | \$ 230,761.00          |
| Alternate 4 - Practice Field Upgrades  | Bid - The Highland Group (10/13/22)  |                        | \$ 77,321.00           |
| <b>Total Construction Costs</b>  |  |                        | <b>\$ 2,726,958.00</b> |
| <b>SITE DEVELOPMENT</b>  |  |                        |                        |
| Building & Site Demolition   | Included in Construction Cost  |                        | \$ -                   |
| General Utility Infrastructure   | Included in Construction Cost  |                        | \$ -                   |
| Aid to Construction - Water  | Estimate   |                        | \$ 10,000.00           |
| Aid to Construction - Gas  | Not Applicable   |                        | \$ -                   |
| Aid to Construction - Electrical   | Estimate   |                        | \$ 15,000.00           |
| Telecommunication Infrastructure   | Included in Construction Cost  |                        | \$ -                   |
| Tree Removal & Land Clearing   | Included in Construction Cost  |                        | \$ -                   |
| Landscaping  | Included in Construction Cost  |                        | \$ -                   |
| Irrigation   | Included in Construction Cost  |                        | \$ -                   |
| Exterior Lighting  | Included in Construction Cost  |                        | \$ -                   |
| <b>Total Site Development</b>  |  |                        | <b>\$ 25,000.00</b>    |
| <b>FURNITURE, FURNISHINGS &amp; EQUIPMENT</b>  |  |                        |                        |
| Furniture & Furnishings  | Included in Construction Cost (SMA Furnishings)                                  |                        | \$ -                   |
| AED Cabinets & Equipment   | Vendor TEE   | Estimate               | \$ 2,000.00            |
| Janitorial Furnishings   | Vendor TEE   | Estimate               | \$ 500.00              |
| Exterior Building & Site Signage   | Included in Construction Cost  |                        | \$ -                   |
| Signage & Wayfinding   | Included in Construction Cost  |                        | \$ -                   |
| Telecommunications Equipment   | Vendor TEE   | Estimate               | \$ 5,000.00            |
| Structured Cabling   | Vendor TEE   | Estimate               | \$ 1,000.00            |
| Building Audio/Visual Equipment  | Not Applicable   |                        | \$ -                   |
| CCTV Cameras & Equipment   | Included in Construction Costs   |                        | \$ -                   |
| Access Controls System   | Included in Construction Costs   |                        | \$ -                   |
| Emergency Management System  | Not Applicable   |                        | \$ -                   |
| <b>Total Furniture, Furnishings &amp; Equipment</b>  |  |                        | <b>\$ 8,500.00</b>     |
| <b>ARCHITECT &amp; ENGINEER FEES</b>   |  |                        |                        |
| Programming Fees   | School Engineering   | Estimate               | 0.5%                   |
| Architect Basic Services   | BLA  | Registered Fee - Fixed | 8.30%                  |
| Architect Reimbursables  |  | WTE Amount             | 10.00%                 |
| Architect Additional Services  |  |                        | \$ -                   |
| <b>Total Architect &amp; Engineer Fees</b>   |  |                        | <b>\$ 120,265.00</b>   |
| <b>PROJECT MANAGEMENT FEES</b>   |  |                        |                        |
| LAH Project Management Fees  | LAH Planning, Design & Construction  |                        | 3.00%                  |
| <b>Total Project Management Fees</b>   |  |                        | <b>\$ 81,806.94</b>    |
| <b>SURVEYS, TESTS &amp; INSPECTIONS</b>  |  |                        |                        |
| Civil Survey (Utility & Topography)  | JME  | Proposal               | \$ 12,922.00           |
| Geotechnical Survey  | Consultant TEE   | Estimate               | \$ 2,500.00            |
| Construction Materials Testing   | Consultant TEE   | Estimate               | \$ 5,000.00            |
| <b>Total Surveys, Testing &amp; Inspections</b>  |  |                        | <b>\$ 20,422.00</b>    |

- Construction Costs
- Furniture & Furnishings
- Equipment
- Professional Consultant Fees
- Surveys, Tests, & Inspections
- Moving Expenses
- Contingencies & Escalation



# Project Request Process

## Process Steps & Milestone Schedule



| PROJECT TYPE              | PROJECT REVIEW | PLANNING & DESIGN | CONSTRUCTION              |
|---------------------------|----------------|-------------------|---------------------------|
| Furniture & Signage       | 2 to 4 Weeks   | 6 to 10 Weeks     | 6 to 8 Weeks for Delivery |
| Cosmetic                  | 2 to 4 Weeks   | 4 to 8 Weeks      | 8 to 12 Weeks             |
| Renovation & Construction | 3 to 4 Months  | 1 to 12 Months    | 2-24 Months               |





**Questions?**



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