

**University of Alabama System
Board Rule 415 (2/2005)
Board Submittal Checklist Criteria**

*** Board Submittal Checklist No. 3**

**Capital Project – Stage III and Revised Scope and Budget Submittals /1
(Architectural Design and Revised Scope and Budget)**

Campus: The University of Alabama
Project Name: 2nd Avenue Overpass
Meeting Date: June 15 – 16, 2017

- ☒ 1. Completed Board Submittal Checklist No.3
- ☒ 2. Transmittal Letter to Chancellor from Campus President requesting the project be placed on the agendas for the forthcoming Physical Properties Committee and Board of Trustees (or Executive Committee) meetings
- ☒ 3. Proposed Resolution requesting approval of the Project Design by the Board of Trustees (Architectural Design and authority to proceed with final construction documents)
- ☒ 4. Campus correspondence/photographs providing supplemental project information
- ☒ 5. Revised Executive Summary of Proposed Capital Project /2
- ☒ 6. Revised Project Summary (Brief description of project and materials of construction)
- ☒ 7. Revised Project Planning Report /2
- ☒ 8. Architectural rendering of project (Final design prior to the initiation of construction documents on the project)
- ☒ 9. Campus map(s) showing location of project site

Prepared by:

W. H. Jones

Approved by:

Thomas G. Lane

/1 Reference Tab 3H - Board Rule 415 Instructional Guide

/2 Reference Tab 3E - Board Rule 415 Instructional Guide

* Basic documents required for this Board Submittal Package. Include other supporting materials, correspondence, etc., as may be required to fully describe or illustrate project being submitted for approval to Physical Properties Committee and Board of Trustees.




Division of
Financial Affairs

MEMO

May 12, 2017

To: Stuart R. Bell

From: Lynda Gilbert 

Subject: Board Item – Action: Revised Scope and Budget and Stage III Submittals:
2nd Avenue Overpass

Pursuant to Board Rule 415, on February 3, 2017 The Board of Trustees of The University of Alabama (“Board”) approved a waiver of the Consultant Selection Process and authorized officials of The University of Alabama (“University”) to proceed with engineering services utilizing McGiffert and Associates, LLC of Tuscaloosa, AL for the 2nd Avenue Overpass (“Project”). Upon completion of negotiations with McGiffert and Associates, LLC of Tuscaloosa, Alabama, the University established a final engineering fee of 5.8% of the cost of construction, security, the non-Alabama Power share of the power line burial, landscaping, and bus shelter, plus \$210,038 for reimbursable expenses.

Additionally, in order to enhance the use and functionality of the Spiller site and provide additional parking in the area, the University desires to amend the south approach to the overpass by lengthening the overpass to the south in lieu of a Mechanically Stabilized Earth (MSE) wall. The University also desires to provide safety enhancements including adding a barrier rail between the sidewalk and travel way and barrier rail impact attenuators (crash pads at the end of the wall). Therefore, the University is requesting approval for a revised scope to include the aforementioned revisions.

Furthermore, the University is requesting a budget revision from \$13,824,663 to \$14,741,690 to reflect the final negotiated engineering fee and the cost of the scope revisions.

Lastly, Pursuant to Board Rule 415, the University has received renderings for the Project and is requesting The Board of Trustees of The University of Alabama (“Board”) to consider approval of the Stage III submittal based on the renderings presented.

The Project will be funded from University funds in the amount of \$14,741,690.

This Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards, and principles contained therein.

I have attached a Resolution, Executive Summary, Project Summary, Project Planning Report, Renderings and Location Map for your review. Subject to your approval, I recommend this item be forwarded to the Chancellor for inclusion as an Action Item on the agenda of the Physical Properties Committee at the Board of Trustees meeting scheduled for June 15 – 16, 2017.

LG/ccj

Attachments

pc w/atchmnts: Michael Rodgers
Michael Lanier
Tim Leopard
Tom Love
David Welch
Richard Powell

THE UNIVERSITY OF ALABAMA SYSTEM
PROJECT PLANNING REPORT
DATE: June 15 - 16, 2017

INITIAL REPORT
☒ INTERIM REPORT
FINAL REPORT
2 REPORT NO.

TO: OFFICE OF THE CHANCELLOR
BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

FROM: OFFICE OF THE PRESIDENT
THE UNIVERSITY OF ALABAMA

1. PROJECT: 2nd Avenue Overpass
2. LOCATION: Extension of 2nd Avenue Corridor from Lancaster Road at 15th Street to Bryant Drive,
between Sewell-Thomas and School of Law
3. ARCHITECT/ENGINEER: McGiffert and Associates, LLC, Tuscaloosa, Alabama

4. PROJECT STATUS:

A. SCHEMATIC DESIGN

DATE INITIATED	Oct-16
% COMPLETE	100%
* DATE COMPLETED	Dec-16

B. PRELIMINARY DESIGN:

DATE INITIATED	Dec-16
% COMPLETE	90%
* DATE COMPLETED	Jun-17

C. CONSTRUCTION DOCUMENTS:

DATE INITIATED	Jun-17
% COMPLETE	0%
* DATE COMPLETED	Jul-18

D. SCHEDULED BID DATE:

Aug-18

5. CURRENT PROJECT BUDGET:

A. CONSTRUCTION

B. SECURITY

C. POWER LINE BURIAL

D. LANDSCAPING

E. BUS SHELTER

F. CONTINGENCY* (5%)

G. ARCHITECT/ENGINEER FEE** (5.8%)

H. UA PROJECT MANAGEMENT FEE*** (3%)

I. EXPENSES (RAILROAD PERMITS, FLAGMAN, AERIAL AND SURFACE RIGHTS)

J. EXPENSES (GEOTECH, CONSTRUCTION MATERIALS TESTING, INSPECTIONS)

K. OTHER FEES AND SERVICES (SECURITY, ADVERTISING, POSTAGE)

J. TOTAL PROJECT COST

CURRENT	REVISED
\$ 8,700,000	\$ 9,505,000
\$ 50,000	\$ 50,000
\$ 1,700,000	\$ 1,700,000
\$ 250,000	\$ 250,000
\$ 75,000	\$ 75,000
\$ 538,750	\$ 579,000
\$ 785,688	\$ 832,378
\$ 339,413	\$ 364,770
\$ 850,000	\$ 850,000
\$ 510,812	\$ 510,812
\$ 25,000	\$ 25,000
\$ 13,824,663	\$ 14,741,960

*Contingency is based on 5% of the cost of construction, security, power line burial, landscaping, and bus shelter.

**Architects/Engineer fee is based on 5.8% of the cost of construction, security, the non-Alabama Power share of the powerline burial in the amount of \$850,000, landscaping and bus shelter plus \$210,038 for reimbursable expenses.


***UA Project Management fee is based on 3% of the cost of construction, security, power line burial, landscaping, bus shelter and contingency.

6. FUNDING/RESOURCES: University funds - \$14,741,690

7. REMARKS

* FINAL AGENCY APPROVAL

SUBMITTED BY:



RESOLUTION

2ND AVENUE OVERPASS

WHEREAS, pursuant to Board Rule 415, on November 3, 2016, The Board of Trustees of The University of Alabama (“Board”) approved an amendment to The University of Alabama’s (“University”) Campus Master Plan to include the 2nd Avenue Overpass project “(Project”); and

WHEREAS on November 3, 2016, in accordance with Board Rule 415, the Board approved a Stage I submittal for the Project; and

WHEREAS, in order to preserve the substantial knowledge base which has been gained during the course of development for the Project and communications with the Railroads, and to ensure an efficient transition from planning phase to the design phase, on February 3, 2017, the Board approved a waiver of the Consultant Selection process and authorized the University to proceed with engineering services utilizing McGiffert and Associates, LLC, of Tuscaloosa, Alabama; and

WHEREAS, the University has negotiated a final fee of 5.8% of the cost of construction, security, the non-Alabama Power share of the power line burial, landscaping, and bus shelter, plus \$210,038 for reimbursable expenses; and

WHEREAS, the University is requesting a scope increase to enhance the use and functionality of the Spiller site and provide additional parking under the South end of the overpass by lengthening the overpass to the south in lieu of a Mechanically Stabilized Earth (MSE) wall, and to enhance safety by adding a barrier rail between the sidewalk and travel way, and barrier rail impact attenuators (crash cushion at end of wall); and

WHEREAS, the University is requesting a revised budget from \$13,824,663 to \$14,741,960 to reflect the final negotiated engineering fee and the cost of the revised scope; and

WHEREAS, responsible officials at the University have received renderings for the Stage III submittal and are recommending approval of said design; and

WHEREAS, the Project location and program have been reviewed and are consistent with University Design Standards, and the principles contained therein; and

WHEREAS, the Project will be funded from University funds in the amount of \$14,741,960; and

WHEREAS, the revised budget for this Project is as stipulated below:

BUDGET:	REVISED
Construction	\$ 9,505,000
Security	\$ 50,000
Power Line Burial	\$ 1,700,000
Landscaping	\$ 250,000
Bus Shelter	\$ 75,000
Contingency* (5%)	\$ 579,000
Architect/Engineer Fee** (5.8%)	\$ 832,378
UA Project Management Fee*** (3%)	\$ 364,770
Expenses (Railroad permits, flagman, aerial and surface rights)	\$ 850,000
Expenses (Geotech, construction materials testing, inspections, surveys, transportation, field office)	\$ 510,812
Other Project Costs (security, advertising, postage)	\$ 25,000
TOTAL PROJECT COST	\$ 14,741,960

*Contingency is based on 5% of the cost of construction, security, power line burial, landscaping and bus shelter.

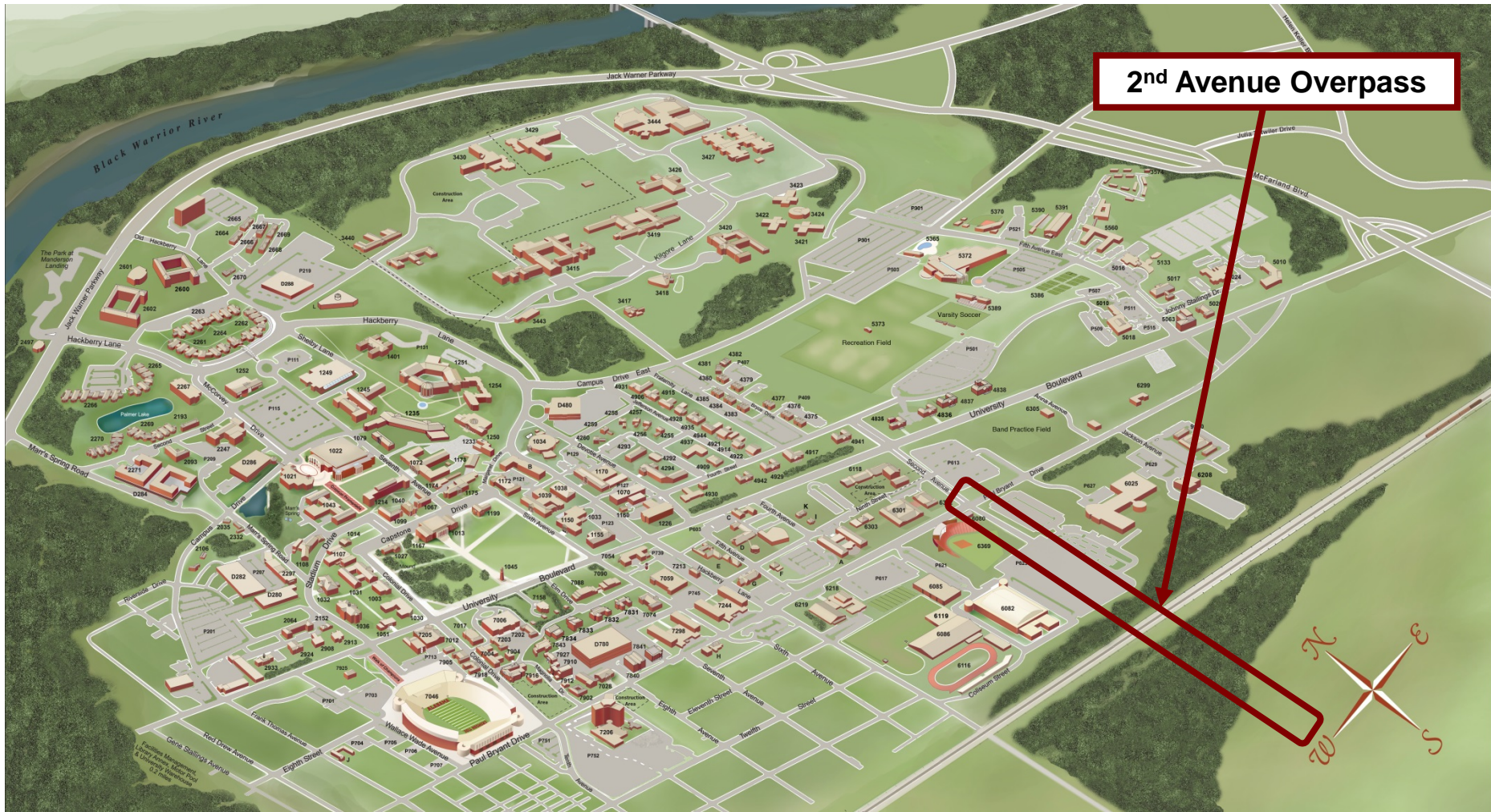
**Architect/Engineer fee is based on 5.8% of the cost of construction, security, the non-Alabama Power share of the power line burial in the amount of \$850,000, landscaping and bus shelter, plus \$210,038 for reimbursable expenses.

***UA Project Management fee is based on 3% of the cost of construction, security, power line burial, landscaping, bus shelter and contingency.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

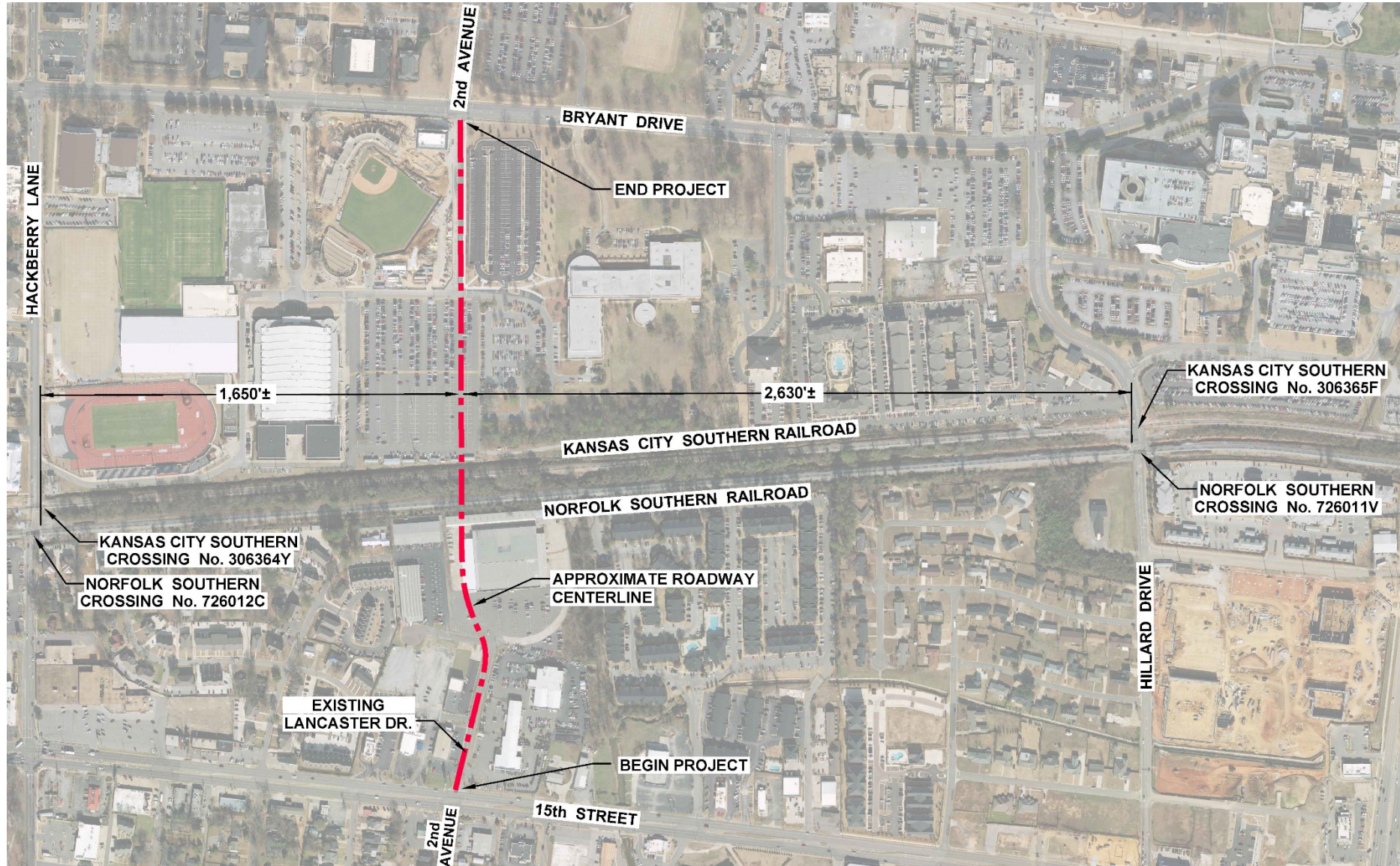
1. The Revised Scope and Budget for the Project is approved as stipulated above.
2. The Stage III submittal for the Project is hereby approved.

LOCATION MAP



2ND AVENUE OVERPASS

Approximate Roadway Alignment



2ND AVENUE OVERPASS

Coleman Coliseum Parking Lot looking East

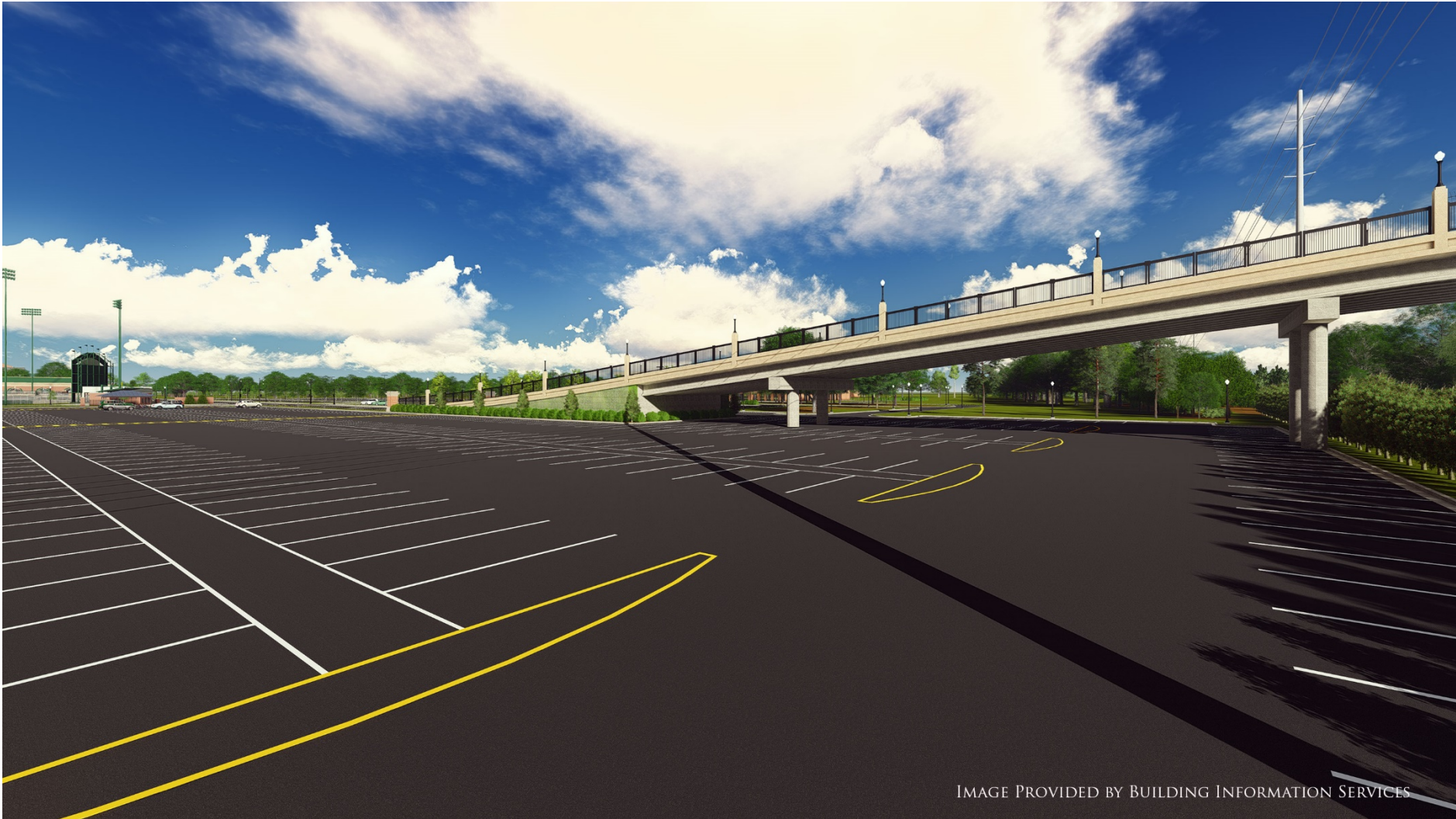


IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

Coleman Coliseum Parking Lot looking South



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

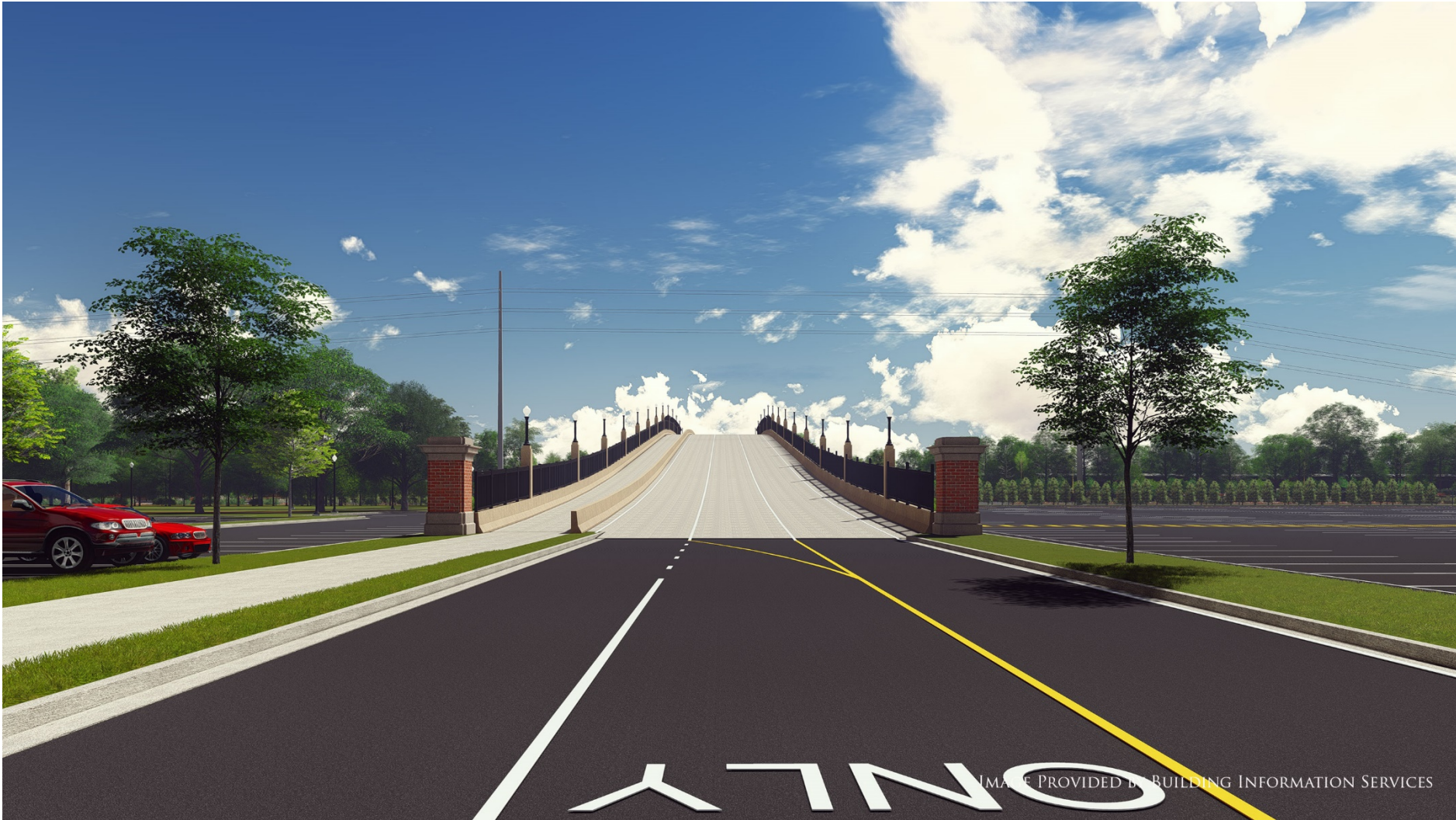
Coleman Coliseum Parking Intersection Lot looking South



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

2nd Avenue looking South – Base of Bridge



2ND AVENUE OVERPASS

Top of Overpass looking North



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

East Side of Coleman Coliseum Parking Lot looking South



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

Aerial View looking North



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

Coleman Coliseum Parking Lot looking East



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

2ND AVENUE OVERPASS

East side of Coleman Coliseum Parking Lot Looking Southwest



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES

**EXECUTIVE SUMMARY
PROPOSED CAPITAL PROJECT
BOARD OF TRUSTEES SUBMITTAL**

Meeting Date: June 15 – 16, 2017

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: 2nd Avenue Overpass

PROJECT LOCATION: Extension of 2nd Avenue Corridor from Lancaster Road at 15th Street to Bryant Drive, between Sewell-Thomas Stadium and School of Law

ARCHITECT: McGiffert and Associates, LLC, Tuscaloosa, Alabama

THIS SUBMITTAL:	PREVIOUS APPROVALS:
<input type="checkbox"/> Campus Master Plan amendment	<u>November 3, 2016</u>
<input type="checkbox"/> Stage I	<u>November 3, 2016</u>
<input type="checkbox"/> Stage II, Consultant Selection Process waiver	<u>February 3, 2017</u>
<input type="checkbox"/> Budget Reallocation	<u>February 3, 2017</u>
<input checked="" type="checkbox"/> Stage III	
<input checked="" type="checkbox"/> Revised Scope and Budget	
<input type="checkbox"/> Stage IV	

PROJECT TYPE	SPACE CATEGORIES	PERCENTAGE	GSF
<input type="checkbox"/> Building Construction			
<input type="checkbox"/> Building Resolution			
<input checked="" type="checkbox"/> Campus Infrastructure	Overpass	N/A	N/A
<input type="checkbox"/> Equipment			
<input type="checkbox"/> Other			
TOTAL		N/A	N/A

BUDGET	Current	Revised
Construction	\$ 8,700,000	\$ 9,505,000
Security	\$ 50,000	\$ 50,000
Power Line Burial	\$ 1,700,000	\$ 1,700,000
Landscaping	\$ 250,000	\$ 250,000
Bus Shelter	\$ 75,000	\$ 75,000
Contingency* (5%)	\$ 538,750	\$ 579,000
Architect/engineer Fee** (5.8%)	\$ 785,688	\$ 832,378
UA Project Management Fee*** (3%)	\$ 339,413	\$ 364,770
Expenses (Railroad permits, flagman, aerial and surface rights)	\$ 850,000	\$ 850,000
Expenses (Geotech, construction materials testing, inspections, surveys, transportation, field office)	\$ 510,812	\$ 510,812
Other fees and services (security, advertising, postage)	\$ 25,000	\$ 25,000
TOTAL PROJECT COST	\$ 13,824,663	\$ 14,741,960

*Contingency is based on 5% of the cost of construction, security, power line burial, landscaping, and bus shelter.

**Architect/Engineer fee is based on 5.8% of the cost of construction, security, the non-Alabama Power share of the power line burial in the amount of \$850,000, landscaping and bus shelter, plus \$210,038 for reimbursable expenses.

***UA Project Management fee is based on 3% of the cost of construction, security, power line burial, landscaping, bus shelter and contingency.

ESTIMATED ANNUAL OPERATING AND MAINTENANCE (O&M) COSTS:

(Utilities, Housekeeping, Maintenance, Insurance, Other)

17,100 sf x ~\$1.71/sf	\$	29,210
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TOTAL ESTIMATED ANNUAL O&M COSTS:	\$	29,210
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FUNDING SOURCE:

Capital Outlay:

University funds	\$	14,741,960
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O&M Costs: Annual lighting, road repairs and bridge maintenance	\$	29,210
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NEW EQUIPMENT REQUIRED:

New equipment includes street lights along each side of 2nd Avenue from Bryant Drive to approximately 600 feet north of 15th Street (south end of University property and north end of Lancaster Road); a decorative traffic signal at the intersection of 2nd Avenue and the drive along the north side of Coleman Coliseum; sidewalks; and landscaping.

RELATIONSHIP & ENHANCEMENT OF CAMPUS PROGRAMS:

The 2nd Avenue Overpass project ("Project") is a critical link to the area south of campus for general University of Alabama ("University") emergency responder and event access. Currently there are only two above grade/flyover crossings for campus access (15th Street to Queen City and McFarland Boulevard) and they are approximately 2-1/4 miles apart and at the farthest edges of campus. The other four current access points to the south, that link with major City of Tuscaloosa arterial roads, are all at-grade crossings. These crossings are not only closed numerous times during the day for normal train operations, but are also often closed for railroad maintenance and train siding operations for extended, unplanned periods. This is extremely disruptive for individuals attempting to access campus; and in the case of a major railroad incident, could greatly impact the ability to evacuate or access campus.

This Project will ensure the ability to consistently access campus, and will also increase the ability of the campus to manage traffic volume by adding a 5th access point to the south. In particular, this will greatly enhance event traffic flow from the Coleman Coliseum lot and the new Capstone Parking Deck, as patrons will no longer have to access Bryant Drive. This Project will also support the core master plan principle of keeping traffic and parking to the perimeter of campus so as to minimize pedestrian/vehicular conflicts. This should substantially reduce the amount of crossover traffic at Bryant Drive and Hackberry Lane and Bryant Drive and 2nd Avenue which will enhance pedestrian flow at those intersections.

Finally, this will enhance safety by offsetting the amount of traffic across the above grade crossing which is a concern.

ATTACHMENT NO. 1
Project: 2nd Avenue Overpass
BOT Submittals: Revised Scope and Budget
and Stage III
Meeting Date: June 15 – 16, 2017

Project Summary

2ND AVENUE OVERPASS

The 2nd Avenue Overpass project (“Project”) will be constructed over the Kansas City Southern and Norfolk Southern railroads (“Railroads”) that border the south of The University of Alabama (“University”) campus providing an extension of 2nd Avenue from Lancaster Road at 15th Street to Bryant Drive between Sewell-Thomas Stadium and the School of Law.

The Project is essential to decrease traffic delays and to improve safety conditions and environmental conditions near the University campus. This will be accomplished by providing an alternative route to the approximately 70,000 vehicles per day that currently cross the at-grade railroad crossings along the southern edge of campus.

This Project will consist of converting a portion of the eastern most section of the Coleman Coliseum parking lot into a three-lane road and constructing a three-lane road from the southern end of the overpass to the northern end of Lancaster Road. The roads will include sidewalks, bike lanes and lighting. The overpass cross section will consist of a 10' bike/pedestrian way, a 4' zone including a protective barrier/separation wall, two (2) 12' travel lanes separated by a 12' turn lane and another 3' clear zone shoulder at the guardrail. The intersection of the east-west road between Coleman Coliseum and Sewell-Thomas Stadium will include a traffic signal. The 15th Street intersection will be re-worked.

The Project will be designed to provide parking to the greatest extent possible under the overpass structure in order to minimize the loss of parking. The Project will also require the relocation of Alabama Power and University distribution lines underground and the 115MKV and 46MKV transmission lines that runs parallel to the tracks to be raised.

The University proposes to amend the south approach to the overpass by lengthening the overpass it to the south to enhance the use and functionality of the Spiller site and provide additional parking in the area. Additionally, to enhance safety, a barrier rail between the sidewalk and travel way and barrier rail impact attenuators (crash cushions at end of wall) will be added.

This Project will include all necessary support infrastructures including stormwater, security, and safety equipment, lighting, wayfinding, transit shelter and landscaping.