


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


**\* Board Submittal Checklist No. 1  
Capital Project – Stage I Submittal /1  
(General Information Package)**

Campus: The University of Alabama  
Project Name: 2<sup>nd</sup> Avenue Overpass  
Meeting Date: November 3 – 4, 2016

- \*  1. Completed Board Submittal Checklist No.1
- 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 Board Resolution requesting approval of Stage I Submittal by UA Board of Trustees
- 4. Campus correspondence/photos providing supporting project information
- 5. Completed Executive Summary – Proposed Capital Project /2
- 6. Completed Supplemental Project Information Worksheet – Exhibit “K”, Board Rule 415
- 7. Campus map(s) showing Project site
- 8. Business Plan

This Project is being submitted as an amendment to the Campus Master Plan.

Prepared by: 

Approved by: 

/1 Reference Tab 3F – 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

October 7, 2016

To: Stuart R. Bell

From: Lynda Gilbert 

Subject: Board Item – Action: Campus Master Plan amendment and Stage I Submittals: 2<sup>nd</sup> Avenue Overpass

Pursuant to Board Rule 415, The University of Alabama (“University”) is requesting approval from The Board of Trustees of The University of Alabama (“Board”) for a Stage I submittal for the 2<sup>nd</sup> Avenue Overpass project (“Project”) at a preliminary total Project budget of \$13,824,663. This Project will help alleviate delays encountered by the public in route to and from the University by providing an additional access point to campus that is not restricted by the railroads and will improve the safety of pedestrian and vehicular traffic.

This proposed Project will consist of an overpass approximately 475 linear feet over the Kansas City Southern and Norfolk Southern railroad crossings and the necessary approaches from the north and south. Parking will be provided under the approach on the Coleman Coliseum lot side to minimize the impact to parking in the area. Sidewalks and lights will be installed as well as a traffic signal at the intersection of the road and the Coleman Coliseum to ease the congestion at the intersection. The Project will provide all necessary support infrastructure including, stormwater, security and safety equipment, lighting and landscaping.

The Project will be funded from University funds in the amount of \$13,824,663.

This proposed Project is not included on the University’s current approved Campus Master Plan. Therefore, the University is requesting approval of an amendment to the Campus Master Plan to include this Project.

I have attached an Executive Summary, Attachment K, Location Map and Resolution 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 of the Board of Trustees meeting scheduled for November 3 – 4, 2016.

LG/ccj

#### Attachments

pc w/atcmts: Michael Rodgers  
Michael Lanier  
Tim Leopard  
Ben Henson  
Richard Powell  
Dan Wolfe

## RESOLUTION

### 2<sup>ND</sup> AVENUE OVERPASS

WHEREAS, The University of Alabama (“University”) has evaluated campus access in relation to the existing railroad tracks that border the south edge of campus and has determined that an unrestricted access point from the 15<sup>th</sup> Street corridor would enhance campus safety, event access, and day to day operations; and

WHEREAS, the University has identified an appropriate corridor from 15<sup>th</sup> Street at Lancaster Road/2<sup>nd</sup> Avenue to the Coleman Coliseum Lot and 2<sup>nd</sup> Avenue at Bryant Drive; and

WHEREAS, the University will be required to execute agreements with the respective Railroads and Utilities that the overpass will transverse for construction and right of way access; and

WHEREAS, the 2<sup>nd</sup> Avenue Overpass project (“Project”) is not included in the University’s current approved Campus Master Plan; and

WHEREAS, the University is requesting approval to amend its Campus Master Plan to include the Project; and

WHEREAS, in accordance with Board Rule 415, the University is requesting approval of a Stage 1 submittal for this Project; 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 \$13,824,663; and

WHEREAS, the preliminary budget for the Project is as stipulated below:

BUDGET:	PRELIMINARY
Construction	\$ 8,700,000
Security	\$ 50,000
Power Line Burial	\$ 1,700,000
Landscaping	\$ 250,000
Bus Shelters	\$ 75,000
Contingency* (5%)	\$ 538,750
Architect/Engineer Fee** (6%)	\$ 646,500
UA Project Management Fee*** (3%)	\$ 339,413
Expenses (Railroad permits, flagman, aerial and surface rights)	\$ 850,000
Expenses (Geotech, construction materials testing, inspections, surveys, transportation, field office)	\$ 650,000
Other Project Costs (security, advertising, postage)	\$ 25,000
<b>TOTAL PROJECT COST</b>	<b><u>\$ 13,824,663</u></b>

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

\*\*Architect/Engineer fee is based on 6% of the cost of construction, security, power line burial, landscaping, and bus shelters.

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

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

1. The Stage I submittal package for the Project is hereby approved.
2. The preliminary budget for the Project as stipulated above is hereby approved.
3. The Campus Master Plan for The University of Alabama be, and hereby is, amended to reflect the Project to be located on University property.

BE IT FURTHER RESOLVED that Stuart R. Bell, President, Lynda Gilbert, Vice President for Financial Affairs and Treasurer, or those officers named in the most recent Board Resolutions granting signature authority for the University of Alabama be, and each is hereby is, authorized to act for and on behalf of the Board of Trustees to execute all necessary agreements with the Railroads and Utilities as required to execute the Project.

ATTACHMENT NO. 1  
Project: 2<sup>nd</sup> Avenue Overpass  
BOT Submittal – Campus Master Plan amendment  
and Stage I  
Meeting Date: November 3 – 4, 2016

## **Project Summary**

### **2<sup>ND</sup> AVENUE OVERPASS**

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

The proposed Project is essential to decrease traffic delays and to improve safety conditions and environmental conditions near The University of Alabama (“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 the University campus.

This proposed 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 12 foot bike/pedestrian way and a two-lane road section. The intersection of the road along the east side of Coleman Coliseum and parking lot will include a traffic signal.

The proposed 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 transmission line that runs parallel to the tracks to be raised.

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

**EXECUTIVE SUMMARY  
PROPOSED CAPITAL PROJECT**

**BOARD OF TRUSTEES SUBMITTAL**

Meeting Date: November 3 – 4, 2016

**CAMPUS:** The University of Alabama, Tuscaloosa, Alabama  
**PROJECT NAME:** 2<sup>nd</sup> Avenue Overpass  
**PROJECT LOCATION:** Extension of 2<sup>nd</sup> Avenue from Lancaster Road to Bryant Drive, between Sewell-Thomas Stadium and School of Law  
**ARCHITECT:** To Be Determined

THIS SUBMITTAL:	PREVIOUS APPROVALS:
<input checked="" type="checkbox"/> Campus Master Plan amendment	_____
<input checked="" type="checkbox"/> Stage I	_____
<input type="checkbox"/> Stage II	_____
<input type="checkbox"/> Stage III	_____
<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			
<b>TOTAL</b>		<b>100%</b>	

BUDGET	Preliminary
Construction	\$ 8,700,000
Security	\$ 50,000
Power Line Burial	\$ 1,700,000
Landscaping	\$ 250,000
Bus Shelters	\$ 75,000
Contingency* (5%)	\$ 538,750
Architect/engineer Fee** (6%)	\$ 646,500
UA Project Management Fee*** (3%)	\$ 339,413
Expenses (Railroad Permits, Flagman, Etc.)	\$ 850,000
Expenses (Geotech, construction materials testing, inspections, surveys, transportation, field office)	\$ 650,000
Other fees and services (security, advertising, postage)	\$ 25,000
<b>TOTAL PROJECT COST</b>	<b>\$ 13,824,663</b>

\*Contingency is based on 5% of the cost of construction, security, power line burial, landscaping and bus shelters.  
 \*\*Architect/engineer fee is based on 6% of the cost of construction, security, power line burial, landscaping and bus shelters.  
 \*\*\*UA Project management fee is based on 3% of the cost of construction, security, power line burial, landscaping, bus shelters and contingency.

<b>ESTIMATED ANNUAL OPERATING AND MAINTENANCE (O&amp;M) COSTS:</b>	
(Utilities, Housekeeping, Maintenance, Insurance, Other)	
	\$ 29,210
<b>TOTAL ESTIMATED ANNUAL O&amp;M COSTS:</b>	<b>\$ 29,210</b>

<b>FUNDING SOURCE:</b>	
Capital Outlay:	
University funds	\$ 13,824,663
O&M Costs: Annual lighting, road repairs and bridge maintenance	\$ 29,210

**NEW EQUIPMENT REQUIRED:**

New equipment includes street lights along each side of 2<sup>nd</sup> Avenue from Bryant Drive to approximately 600 feet north of 15<sup>th</sup> Street (south end of University property and north end of Lancaster Road); a decorative traffic signal at the intersection of 2<sup>nd</sup> 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 K to Board Rule 415**

**Supplemental Project Information Worksheet  
Annual Capital Development Plan**

**FY: 2016-2017**

**Project Name/Category:** 2<sup>nd</sup> Avenue Overpass  
Extension of 2<sup>nd</sup> Avenue from Bryant Drive to Lancaster Road  
between the Sewell-Thomas Stadium and School of Law  
**Campus:** The University of Alabama

**1. Will this Project increase the current space inventory on campus or replace existing space?**

No. Campus infrastructure only.

- |  |                     |           |
|--|---------------------|-----------|
| <input type="checkbox"/> increase space inventory          | _____ % increase    | _____ GSF |
| <input type="checkbox"/> replace space inventory           | _____ % replacement | _____ GSF |
| <input type="checkbox"/> renovation of existing space only |                     | _____ GSF |

**2. If this Project will replace existing space inventory, how will vacated space be utilized or assigned after this Project is completed?**

Comments:

Not applicable.

**3. Is the proposed Project location consistent with the Campus Master Plan and University Design Standards and the principles contained therein?**

- Yes                       No, Campus Master Plan Amendment is required

If Campus Master Plan amendment required, explain:

The 2<sup>nd</sup> Avenue Overpass project (“Project”) is not included in The University of Alabama’s (“University”) current Campus Master Plan. This proposed Project is essential to decrease traffic delays and to improve safety conditions as well and environmental conditions near the University’s campus.

The Project will also directly support the core Master Plan principle of keeping traffic and parking to the perimeter of campus in order to minimize pedestrian/vehicular conflicts.

**4. Provide information on classification of new space provided by this Project and latest utilization data on similar type space on campus.**

<b>Proposed New Space/Facilities</b>				
<b>Classification</b>	<b>Number (Spaces/Rooms)</b>	<b>Capacity (Persons)</b>	<b>Area (NASF)</b>	<b>Existing Space Utilization Data (See Notations)</b>
<b>100 Classroom Facilities</b>				
<b>200 Laboratory Facilities</b>				
<b>300 Office Facilities</b>				
<b>400 Study Facilities</b>				
<b>500 Special Use Facilities</b>				
<b>600 General Use Facilities</b>				
<b>700 Support Facilities</b>				
<b>800 Health Care Facilities</b>				
<b>900 Residential Facilities</b>				
<b>000 Unclassified Facilities</b>				

**Comments/Notations:**

Not applicable.

**5. How will this Project enhance existing/new programs and undergraduate/graduate enrollments?**

Estimated new Funds from Tuition/Programs \$ NA Yr.

Comments:

The Kansas City Southern and Norfolk Southern railroads runs along the southern boundary of the University campus. These rail crossings are currently at-grade and have approximately 70,000 vehicles crossing them in route to the University each day. Extended delays are encountered by the public as a result of these crossings. This problem is compounded when athletic or special events are held on campus.

The 2nd Avenue Overpass project ("Project") is a critical link to the area south of campus for general 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 in order 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.

**6. Has a facility user group been established to provide input for planning, programming, and design purposes?**  Yes  In-Progress

If yes, list key members of user group:

Dan Wolfe, University Designer and Planner  
Tim Leopard, Associate Vice President for Construction  
Ben Henson, Project Manager  
Richard Powell, Construction Administration Staff Civil Engineer  
Doug Behm, University Geologist/Director University Lands

7. **Source(s) of funding for Total Project Development Costs.**

<b>Source(s)</b>	<b>New Funds (FY2019)</b>	<b>Reserves</b>	<b>Status /7</b>
Tuition			
Student Fees			
Investment Income			
Auxiliary Income <ul style="list-style-type: none"> <li>• External</li> <li>• Internal</li> </ul>			
Education Sales/Services <ul style="list-style-type: none"> <li>• External</li> <li>• Internal</li> </ul>			
Direct Grants			
Gifts			
Bonds			
Existing Net Assets	\$13,824,663		Pending
Other			
<b>Totals</b>	<b>\$13,824,663</b>		<b>Pending</b>

/7 Approved, allocated, pending

Comments:

This Project will be funded by University funds in the amount of \$13,824,663.

8. **Estimate of operations and maintenance (O&M) costs for the initial occupancy year and projections for succeeding five (5) year period.**

<b>Operations and Maintenance (O&amp;M) Annual Costs Projections</b>			
<b>Expense</b>	<b>FY 2016 Base Data /8</b>	<b>First Full /YR Occupancy FY 2017</b>	<b>Successive Five (5) Year Projections /9</b>
Maintenance	\$17,460	\$17,460	\$ 87,300
Elevator Service			
Building Repairs			
Building Services			
Electric, Natural Gas, Steam			
Chilled Water			
Water and Sewer			
Insurance			
Safety Support			
Operations Staff Support Funding			
Other			
Lighting	\$ 4,500	\$ 4,500	\$ 22,500
Traffic Signal Maintenance	\$ 750	\$ 750	\$ 3,750
Road Maintenance (Striping, Sweeping, etc.)	\$ 500	\$ 500	\$ 2,500
Landscaping	\$ 2,500	\$ 2,500	\$ 12,500
Wayfinding Maintenance	\$ 2,500	\$ 2,500	\$ 12,500
Storm Sewer Maintenance	\$ 1,000	\$ 1,000	\$ 5,000
<b>Totals</b>	<b>\$29,210</b>	<b>\$29,210</b>	<b>\$146,050</b>

/8 Latest Fiscal Year Data used as Base Year for Projections

/9 Combined Costs for next Five (5) Years of Occupancy

Comments:

The maintenance annual O&M is based on \$1 per square foot of bridge deck surface area to include necessary annual maintenance typical of a structure of this type.

9. **Source of funds for projected ongoing operations and maintenance (O&M) costs for this project.**

Source(s)	Occupancy Yr <sup>/9</sup> (FY 2021)	Future Years <sup>/10</sup>	Status <sup>/7</sup>
Tuition			
Student Fees			
Investment Income			
Auxiliary Income			
• External			
• Internal	\$29,210	\$146,050	Pending
Educational Sales & Services			
• External			
• Internal			
Direct Grant(s)			
Reallocated Funds <sup>/11</sup>			
Gifts			
Other – Housing Operating Budget			
<b>Total/YR</b>	<b>\$29,210</b>	<b>\$146,050</b>	<b>Pending</b>

- <sup>/9</sup> Initial Full Yr of Occupancy
- <sup>/10</sup> Next Five (5) Yrs Occupancy
- <sup>/11</sup> Funds Reallocated from other sources
- <sup>/7</sup> Approved, allocated, pending

Comments:

Ongoing O&M costs will be funded from the operating budget for annual lighting, road repairs and bridge maintenance.

10. **Are development expenditures for this Project being used to reduce the current deferred maintenance/facilities renewal liabilities for the Campus?**

\$     N/A     % of Total Development Costs

Comments:

Not applicable.

**11. What other development alternatives were considered in the planning process for this Project? /13**

Comments:

The City of Tuscaloosa has been studying an overpass at Hillard Drive, but that location does not address the traffic flow benefits that would be realized with the 2nd Avenue overpass. Furthermore, that project does not appear to be advancing with the City due to lack of funding. Other locations were considered, but right of way acquisition cost and the impact of a bridge structure on adjacent residential neighborhoods and street access were considered problematic.

/13 Renovation vs. new construction, adaptive reuse of underutilized buildings, etc.

**12. Explain how the project will promote adequacy of campus facilities in relation to the University's Mission and scope of programs and/or services:**

Comments:

This Project will promote adequacy of campus facilities in relation to the University's Mission and scope of programs and/or services by providing above grade separated railroad crossing that will decrease traffic, pedestrian and bicycle delays, which will result in improvements to the environment. Additionally, this Project will immensely improve safety by allowing students, faculty and staff an uninterrupted flow over the railroad crossings and eliminate the vehicle-vehicle and vehicle-pedestrian conflicts.

**13. How does the project correlate to the University's strategic goals?**

Comments:

This Project will decrease traffic delays improving the environment and therefore stimulate economic and societal development.

**14. What would be the immediate impact on campus programs and enrollment if this project is not approved?**

Comments:

If this Project is not approved, the immediate impact on campus programs and enrollment is the lack of sufficient roadways to effectively accommodate the growing student enrollment and campus expansion.

# LOCATION MAP

