

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

* Board Submittal Checklist
Capital Project – Revised Funding and Scope and Budget Submittal
(Revised Funding and Scope and Budget)

Campus: The University of Alabama
Project Name: 2nd Avenue Overpass
Meeting Date: November 8 – 9, 2018

- * 1. Completed Board Submittal Checklist
- 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. Resolution requesting approval of Construction Budget, and Project Budget
- 4. Campus correspondence/photographs providing supplemental project information
- 5. Executive Summary of Proposed Capital Project with final Contract Construction Budget and Project Budget (include all proposed project funding for movable equipment and furnishings) /2
- 6. Project Summary
- 7. Project Planning Report /2
- 8. Tabulation of competitive bids – certified by Project Architect/Construction Manager
- 9. Recommendations for Contract Award by Architect/Construction Manager
- 10. Campus map(s) showing location of project site
- 11. Final Business Plan (if applicable) /3

Prepared by: Carla Colenz Jones 

Approved by: Jim Leopold 

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

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

/3 Reference Tab 3V - 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 12, 2018

To: Stuart R. Bell

From: Matthew M. Fajack 

Subject: Board Item – Action: Revised Funding and Scope and Budget submittal:
2nd Avenue Overpass

The University of Alabama (“University”) recently received notice that it will be awarded an Infrastructure for Rebuilding America (“INFRA”) grant for the 2nd Avenue Overpass project (“Project”). The grant provides federal assistance to highway and freight projects of national or regional significance.

The INFRA grant will allow for a revised scope to encompass a connector road to the intersection of 2nd Avenue and 15th Street (AL HWY 215), enhancements to the 15th Street intersection including University standard traffic signals, additional turn lanes on 15th Street in both East and West directions providing access to 2nd Avenue, the partial demolition of University properties located on 14th Street, and the inclusion of structure to support a future pedestrian bridge. Accordingly, the University is requesting approval of a Revised Scope.

Additionally, the University is requesting a Revised Budget from \$14,741,960 to \$19,931,130 to reflect the cost of the Revised Scope.

The Project is funded from Plant Funds in the amount of \$13,905,473 and the pending INFRA Grant in the amount of \$6,025,657. The proposed budget increase and scope revision is conditioned on the executed grant agreement.

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, 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 November 8 – 9, 2018.

MMF/ccj

Attachments

pc w/atchmts: Michael Rodgers
Michael Lanier
Tim Leopard
Sommer Coleman
David Welch

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 negotiated a 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, on June 16, 2017, the Board approved a Revised 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, on June 16, 2017, the Board approved a Revised Budget from \$13,824,663 to \$14,741,960 to reflect the negotiated engineering fee and the cost of the Revised Scope; and

WHEREAS, on June 16, 2017 the Board approved the renderings for the Project; and

WHEREAS, the University recently received notice that it will be awarded an Infrastructure for Rebuilding America (“INFRA”) grant for the Project; and

WHEREAS, the INFRA grant will allow for a revised scope to encompass a connector road to the intersection of 2nd Avenue and 15th Street (AL HWY 215), enhancements to the 15th Street intersection including University standard traffic signals, additional turn lanes on 15th Street in both East and West directions providing access to 2nd Avenue; the partial demolition of University properties, specifically Monkey Joes and Hotel and Restaurant Supply, located on 14th Street; and the inclusion of structure to support a future pedestrian bridge; and

WHEREAS, accordingly, the University is requesting approval for a Revised Scope; and

WHEREAS, the University is requesting approval for a Revised Budget from \$14,741,960 to \$19,931,130 to reflect the Revised Scope which is conditioned on the executed grant agreement; and

WHEREAS, the University requests approval to complete any agreements that are necessary for acceptance of grant funds; 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 Plant Funds in the amount of \$13,905,473 and the pending INFRA grant funds in the amount of \$6,025,657; and

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

BUDGET:	REVISED
Construction – MV UG Conversion	\$ 1,548,700
Construction – Overpass	\$ 9,505,678
Construction – 15 th Street Connector	\$ 1,821,000
Demolition	\$ 800,000
Security	\$ 50,000
Power Line Burial	\$ 1,905,989
Landscaping	\$ 250,000
Bus Shelter	\$ 75,000
Contingency* (5%)	\$ 742,519
Architect/Engineer Fee** (9.56%)	\$ 1,250,641
UA Project Management Fee*** (3%)	\$ 500,967
Expenses (Railroad Permits, Flagman, Aerial and Surface Rights)	\$ 850,000
Expenses (Geotech, Construction Materials Testing, Inspections, Surveys, Transportation, Field Office)	\$ 605,637
Other Project Costs (Testing, Advertising, Postage)	\$ 25,000
TOTAL PROJECT COST	\$ 19,931,130

*Contingency is based on 5% of the total costs of construction, demolition, security, \$800,000 of the power line burial not yet completed, landscaping and bus shelter.

**Architect/Engineer fee is based on 5.6% of the total costs of construction, security, the non-Alabama Power share of the power line burial in the amount of \$998,000, landscaping and bus shelter, plus \$452,732 for reimbursable expenses.

***UA Project Management fee is based on 3% of the total costs of construction, demolition, 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 the Revised Funding and Scope and Budget for this Project are approved as stipulated above.

BE IT FURTHER RESOLVED that Stuart R. Bell, President, Matt Fajack, 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 hereby is, authorized to act for and on behalf of the Board of Trustees to execute all necessary agreements with the grant agency, transportation authorities, and or municipalities required to execute the Project.

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

Meeting Date: November 8 – 9, 2018

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 type="checkbox"/> Stage III	<u>June 16, 2017</u>
<input type="checkbox"/> Revised Scope and Budget	<u>June 16, 2017</u>
<input checked="" type="checkbox"/> Revised Funding and Scope and Budget	

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

BUDGET	Current	Revised
Construction – MV UG Conversion	\$ 9,505,000	\$ 1,548,700
Construction – Conversion	\$ 0	\$ 9,505,678
Construction – 15 th Street Connector	\$ 0	\$ 1,821,000
Demolition	\$ 0	\$ 800,000
Security	\$ 50,000	\$ 50,000
Power Line Burial	\$ 1,700,000	\$ 1,905,989
Landscaping	\$ 250,000	\$ 250,000
Bus Shelter	\$ 75,000	\$ 75,000
Contingency* (5%)	\$ 579,000	\$ 742,519
Architect/Engineer Fee** (8.76%/9.56%)	\$ 832,378	\$ 1,250,641
UA Project Management Fee*** (3%)	\$ 364,770	\$ 500,967
Expenses (Railroad Permits, Flagman, Aerial and Surface Rights)	\$ 850,000	\$ 850,000
Expenses (Geotech, Construction Materials Testing, Inspections, Surveys, Transportation, Field Office)	\$ 510,812	\$ 605,637
Other fees and services (Security, Advertising, Postage)	\$ 25,000	\$ 25,000
TOTAL PROJECT COST	\$ 14,741,960	\$ 19,931,130

*Contingency is based on 5% of the total costs of construction, demolition, security, \$800,000 of the power line burial not yet completed, landscaping and bus shelter.

**Architect/Engineer fee is based on 5.6% of the total costs of construction, security, the non-Alabama Power share of the power line burial in the amount of \$998,000, landscaping and bus shelter, plus \$452,732 for reimbursable expenses.

***UA Project Management fee is based on 3% of the total costs of construction, demolition, 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
TOTAL ESTIMATED ANNUAL O&M COSTS:	\$ 29,210

FUNDING SOURCE:	
Capital Outlay:	
Plant Funds	\$ 13,905,473
Pending INFRA Grant	\$ 6,025,657
**Budget and Scope Revision Conditioned on Executed Grant Agreement	
O&M Costs: Annual lighting, road repairs and bridge maintenance	\$ 29,210

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 are 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.

The University recently received notice that it will be awarded an Infrastructure for Rebuilding America (INFRA) grant for the Project. The grant provides federal assistance to highway and freight projects of national or regional significance.

The INFRA grant will allow for the inclusion of a connector road to the intersection of 2nd Avenue and 15th Street (AL HWY 215), enhancements to the intersection including University standard traffic signals, additional turn lanes on 15th Street in both East and West directions providing access to 2nd Ave, and the partial demolition of University properties located on 14th Street.

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

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 run parallel to the tracks to be raised.

The south approach to the overpass will be lengthened to 15th Street 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 included.

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

The Nationally Significant Freight and Highway Projects (NSFHP) programs provides Federal financial assistance to highway and freight projects of national or regional significance. The Department is referring to this program as the Infrastructure for Rebuilding America (“INFRA”) program. The University has been awarded, conditioned on receipt of an executed grant agreement, an INFRA grant for this Project that will allow for a revised scope for the Project. This includes a connector road to the intersection of 2nd Avenue and 15th Street (AL HWY 215), enhancements to the 15th Street intersection including University standard traffic signals, additional turn lanes on 15th Street in both East and West directions providing access to 2nd Ave, the inclusion of decorative barrier rail/fence on the bridge and approaches to the bridge, and the partial demolition of University properties, specifically Monkey Joes and Hotel and Restaurant Supply, located on 14th Street.

Additionally, it is proposed to include a revision to the design and construction of the bridge support in order to accommodate a possible future pedestrian bridge. The pedestrian bridge would then allow the overpass to move from three lanes of traffic to four. This investment is minimal at this time and would save significant time, design, and construction cost relative to incorporating it a future date. A future installation would require the demolition of significant structures and additional railroad interaction. As noted above, the future projected traffic volume would dictate removing the pedestrian walk area on the bridge and converting it to a traffic lane, which would then necessitate a dedicated pedestrian bridge.

THE UNIVERSITY OF ALABAMA SYSTEM
PROJECT PLANNING REPORT
DATE: November 8 - 9, 2018

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

4. PROJECT STATUS:

A. SCHEMATIC DESIGN:	DATE INITIATED	October-16
	% COMPLETE	100%
	* DATE COMPLETED	December-16
B. PRELIMINARY DESIGN:	DATE INITIATED	December-16
	% COMPLETE	100%
	* DATE COMPLETED	June-17
C. CONSTRUCTION DOCUMENTS:	DATE INITIATED	June-17
	% COMPLETE	50%
	* DATE COMPLETED	December-18
D. SCHEDULED BID DATE:		December-18

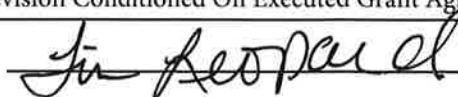
	CURRENT	REVISED
5. CURRENT PROJECT BUDGET:		
A. CONSTRUCTION - MV UG CONVERSION	\$ 9,505,000	\$ 1,548,700
B. CONSTRUCTION - OVERPASS	\$ -	\$ 9,505,678
C. CONSTRUCTION - 15TH STREET CONNECTOR	\$ -	\$ 1,821,000
D. DEMOLITION	\$ -	\$ 800,000
E. SECURITY	\$ 50,000	\$ 50,000
F. POWER LINE BURIAL	\$ 1,700,000	\$ 1,905,989
G. LANDSCAPING	\$ 250,000	\$ 250,000
H. BUS SHELTER	\$ 75,000	\$ 75,000
I. CONTINGENCY* (5%)	\$ 579,000	\$ 742,519
J. ARCHITECT/ENGINEER FEE*** (~8.76%/9.56%)	\$ 832,378	\$ 1,250,641
K. UA PROJECT MANAGEMENT FEE** (3%)	\$ 364,770	\$ 500,967
L. EXPENSES (RAILROAD PERMITS, FLAGMAN, AERIAL AND SURFACE RIGHTS)	\$ 850,000	\$ 850,000
M. EXPENSES (GEOTECH, CONSTRUCTION MATERIAL TESTING, SPECIAL INSPECTIONS)	\$ 510,812	\$ 605,637
N. OTHER FEES AND SERVICES (TESTING, ADVERTISING, POSTAGE)	\$ 25,000	\$ 25,000
O. TOTAL PROJECT COST	\$ 14,741,960	\$ 19,931,130

*Contingency is based on 5% of the total costs of construction, demolition, security, \$800,000 of the power line burial not yet completed, landscaping, and bus shelter.
 **Architect/Engineer Fee is based on 5.6% of the total costs of construction, security, the non-Alabama Power share of the power line burial in the amount of \$998,000, landscaping and bus shelter, plus \$452,732 for reimbursable expenses.
 ***UA Project Management Fee is based on 3% of the total costs of construction, demolition, security, power line burial, landscaping, bus shelter, and contingency.

6. FUNDING/RESOURCES: Plant Funds - \$13,905,473
Pending INFRA Grant - \$6,025,657
7. REMARKS Budget and Scope Revision Conditioned On Executed Grant Agreement

* FINAL AGENCY APPROVAL

SUBMITTED BY:

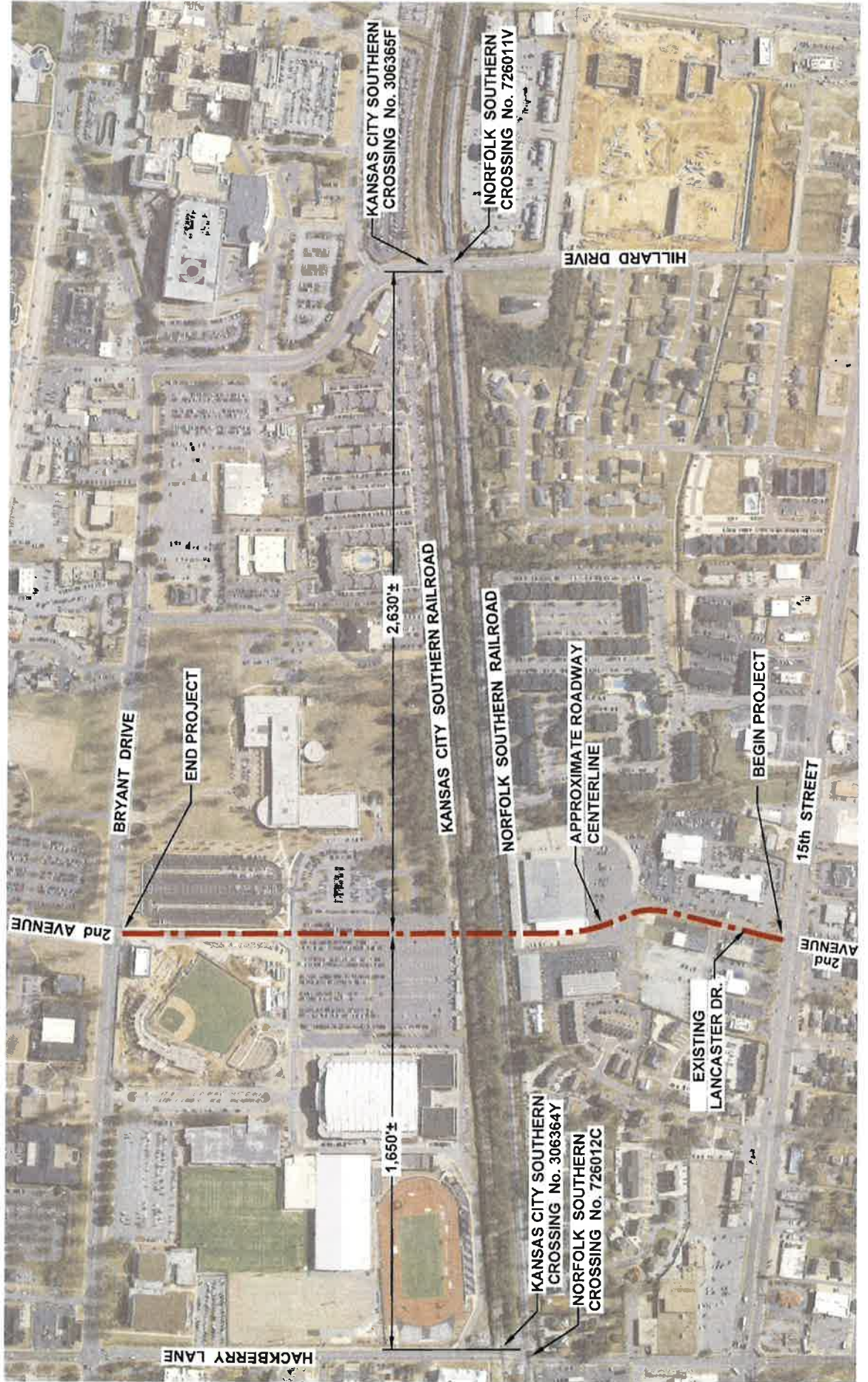


LOCATION MAP



2nd Avenue Overpass

Approximate Roadway Alignment



2nd Avenue Overpass

Rendering Approved June 16, 2017



IMAGE PROVIDED BY BUILDING INFORMATION SERVICES