



CITY OF URBANA, ILLINOIS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

MEMORANDUM

TO: Mayor Laurel L. Prussing and Members of the City Council
FROM: William R. Gray, Public Works Director
Gale L. Jamison, Assistant City Engineer
Bradley M. Bennett, Civil Engineer
DATE: May 5, 2011
RE: Boneyard Creek Improvements Project (Griggs Street to Broadway Avenue)
Broadway Avenue and Race Street Streetscape Projects

Introduction

The purpose of this memo is to present the concept-level design to the Mayor and City Council for the:

- 1.) Boneyard Creek Improvements from Griggs Street to Broadway Avenue.
- 2.) Race Street Streetscape Improvements between Griggs Street and University Avenue.
- 3.) Broadway Avenue Streetscape Improvements between Water Street and University Avenue.

Background and Facts

Late in 2006 it was determined that a master planning effort would be desirable and appropriate for the downtown Urbana stretch of the Boneyard Creek. In the Spring of 2007 a contact with Wenk Associates was executed for the preparation of a Master Planning Document for the Boneyard Creek through downtown Urbana between Main Street and University Avenue. Wenk completed the Master Planning Document in April 2008 and it was adopted by the City Council on May 19, 2008. The Boneyard Creek Master Planning Document is available at the following link on the City website:

<http://www.urbanainllinois.us/departments/public-works/about-public-works/engineering/boneyard-creek-master-plan>.

The design team of Foth Infrastructure & Environment and Wenk Associates was retained in March 2010 to prepare concept-level designs for the Boneyard Creek between Griggs Street and Broadway Avenue along with the Race Street and Broadway Streetscape Projects. The concept-level design effort for the Boneyard Creek Improvements included the following key elements:

- Public gathering spaces.
- Enhanced public access and connectivity to Boneyard Creek.
- New bicycle and pedestrian pathways along Boneyard Creek.
- New green space and lineal park features along Boneyard Creek.
- Public art opportunities.
- Replacement of the Race Street Bridge.
- Site lighting improvements.

The design team also performed hydraulic and hydrologic modeling to verify that the proposed improvements would not adversely impact the existing flow capacity of Boneyard Creek.

The Race Street and Broadway Avenue Streetscape projects are designed to extend the current streetscape on Race Street south of Griggs Street and south of Water Street on Broadway Avenue up to University Avenue. The pavement cross section on Broadway Avenue will be reduced through a road “diet” and the parkways will be widened to provide additional green space along the corridor. Additionally green stormwater infrastructure will be incorporated into the widened parkway on Broadway Avenue providing a demonstration project for stormwater quality and sustainable design.

Project informational meetings were held on August 10, 2010, October 12, 2010, and March 15, 2011 at the Urbana Civic Center where input from adjacent property owners and the public was solicited regarding the concept-level design. City staff and the design team also solicited input from the Public Arts Commission on incorporating public art into the project.

City staff and the design team also met with all the property owners along the Boneyard Creek where it would be necessary to acquire property for the project. All those property owners have indicated their support for the project and a willingness to negotiate with the City for the property acquisitions and easements necessary to construct the proposed improvements.

Concept-level design plans for the Boneyard Creek Improvements between Griggs Street and Broadway Avenue are presented in Exhibit A. Concept-level design plans for the Race Street Streetscape project are presented in Exhibit B. The Broadway Avenue Streetscape concept-level design plans are presented in Exhibit C. Details of the streetscape elements for Race Street and Broadway Avenue are presented in Exhibit D.

A proposed project schedule is presented in Exhibit E. Construction on the Boneyard Creek and Race Street Streetscape projects could start as early as the spring of 2012 and be completed by the fall of 2014 assuming all the required property can be quickly acquired. The Broadway Avenue Streetscape project would be staged to not start construction until after the Boneyard Creek and Race Streets Streetscape projects were complete to minimize the traffic impacts to downtown Urbana.

Financial Impact

The concept-level engineering cost estimate for the project is \$7.3 million dollars. The project costs for each individual project are:

- Boneyard Creek Improvements - \$4.5 Million.
- Race Street Streetscape - \$1.6 Million.
- Broadway Avenue Streetscape - \$1.2 Million.

The City's Capital Improvement Plan budgeted \$1 million from TIF Districts I/II for the Broadway Avenue Streetscape project, \$2.15 million from TIF District II for the Race Streetscape project, and \$5.7 million from TIF District I for the Boneyard Creek Improvement projects for a total of \$8.85 million. The City would have to issue bonds for the proposed projects which would be paid back from the revenues generated by the TIF Districts. Future Boneyard Creek improvements to the segments upstream and downstream of this segment will be funded with remaining TIF revenues and Capital Improvement Funds to be identified.

Recommended Action

The Public Works Department seeks acceptance by motion of the concept-level design for the Boneyard Creek Improvements and Race Street/Broadway Avenue Streetscape projects.

The Public Works Department also seeks by motion, direction to proceed with entering into a final engineering design agreement with the design team of Foth Infrastructure & Environment and WENK Associates for the Boneyard Creek Improvements and Race Street/Broadway Avenue Streetscape projects. The estimated final engineering design fees for the three projects are \$465,000 and sufficient funds are available in the TIF I and II Districts fund balances.

EXHIBIT A

BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



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BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



EXHIBIT A

BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



<DESCRIPTION>
AT STATION THEATER PLAZA

1 CONCRETE UNIT PAVERS
L3.0 IMAGE



<DESCRIPTION>
NON-STRUCTURAL STEEL PANEL FASTENED TO A STRUCTURAL SHEET PILE WALL

4 CORTEN STEEL VENEER WALL
L3.0 IMAGE



<DESCRIPTION>
AT CREEK EDGE: 12" THICK, VARIED LENGTH, VARIED WIDTH
AT STONE BLOCK BENCH: APPROX 18" HEIGHT, VARIED LENGTH

2 STONE EDGE ALONG CREEK
L3.0 IMAGE



<DESCRIPTION>
POURED IN PLACE CONCRETE,

5 CONCRETE WALL
L3.0 IMAGE



<DESCRIPTION>
AT RACE STREET BRIDGE: VENEER, 3" THICK, VARIED LENGTH

3 STONE VENEER
L3.0 IMAGE



STACKED STONE INFILL

6 GABION WALL - ALTERNATIVE
L3.0 IMAGE

EXHIBIT A
BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



EXHIBIT A

BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



<DESCRIPTION>
BACKED BENCH



1
L3.1 PARK BENCH
IMAGE



<DESCRIPTION>
STEEL RAILING WITH DECORATIVE GLASS PANEL



3
L3.1 RAILING WITH DECORATIVE PANEL
IMAGE



<DESCRIPTION>
GRANITE STONE BLOCK AT THEATER PLAZA

2
L3.1 STONE SEATING BLOCK
IMAGE



<DESCRIPTION>
STEEL RAILING WITH WOOD CAP



4
L3.1 RAILING AT EXISTING TRESTLE BRIDGE
IMAGE

EXHIBIT A

BONEYARD CREEK SEGEMENT 3 CONCEPT-LEVEL DESIGN



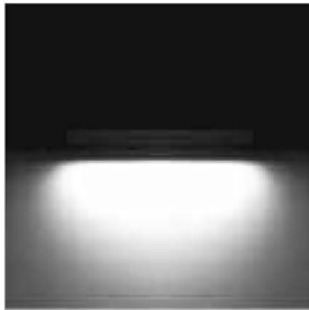
NOTE: LOCATE APPROX. 50' O.C.

1
L3.2
IMAGE
DECORATIVE LIGHT POLES (12H)



NOTE: 8' O.C. LOCATION INDICATED ON PLANS

3
L3.2
IMAGE
RAILING LIGHT



NOTE: LOCATE APPROX. 25' O.C.

2
L3.2
IMAGE
WALL DOWNLIGHTS



NOTE: LOCATE APPROX. EVERY (2) RISERS

4
L3.2
IMAGE
RECESSED STAIR WALLS

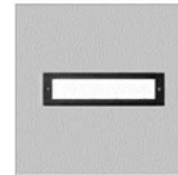


EXHIBIT B

BROADWAY AVENUE STREETSCAPE CONCEPT-LEVEL DESIGN



Broadway Avenue Streetscape - South

EXHIBIT B

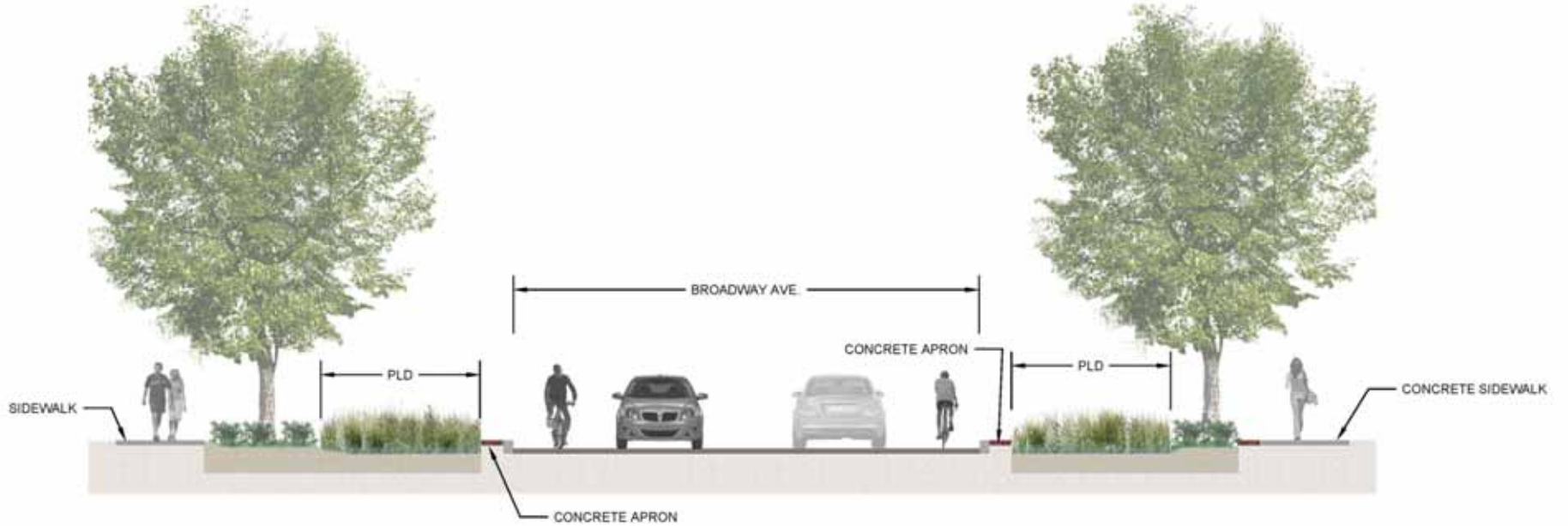
BROADWAY AVENUE STREETScape CONCEPT-LEVEL DESIGN



Broadway Avenue Streetscape - North

EXHIBIT B

BROADWAY AVENUE STREETSCAPE CONCEPT-LEVEL DESIGN



1
L2.3

SECTION A - BROADWAY AVENUE @ PLD
SECTION

1/8" = 1'-0"

PLD = PARKWAY LINEAR DETENTION
A.K.A. STORM WATER BIORETENTION

EXHIBIT C

RACE STREET STREETScape CONCEPT-LEVEL DESIGN

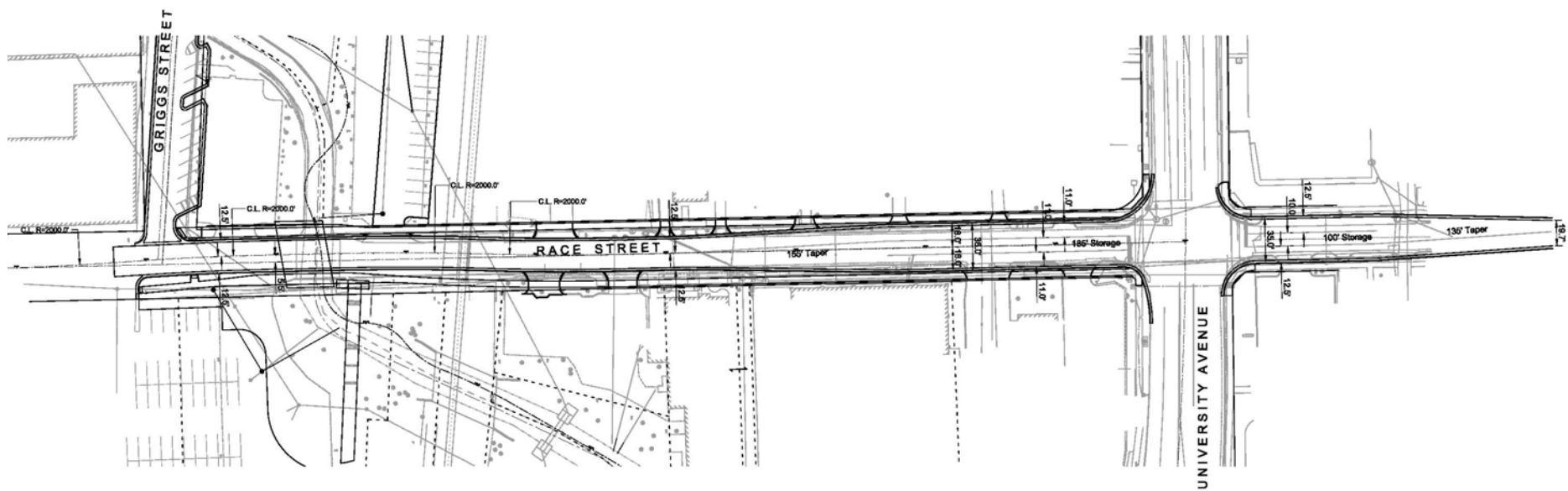


EXHIBIT D
STREETSCAPE DETAILS



EXHIBIT D
STREETSCAPE DETAILS



EXHIBIT D
STREETScape DETAILS



