

## REVISED

REF: M-5-24  
DATE: June 13, 2024

### GENERAL INFORMATION

#### Subject

- |                     |   |   |
|---------------------|---|---|
| Request             | - | Bridge Review of University of Toledo Bridge over Douglas Road south of University Hills Blvd |
| Applicant           | - | University of Toledo<br>2801 W Bancroft Street<br>Toledo, OH 43606                            |
| Civil Engineer      | - | DGL Consulting Engineers, LLC<br>3455 Briarfield Blvd, Suite E<br>Maumee, OH 43537            |
| Landscape Architect | - | Edge<br>33 S Michigan St, Suite 304<br>Toledo, OH 43604                                       |

#### Site Description

- |              |   |   |
|--------------|---|---|
| Zoning       | - | IL / Light Industrial                   |
| Existing Use | - | Street Right-of-Way                     |
| Proposed Use | - | Street Right-of-Way & Pedestrian Bridge |

#### Area Description

- |       |   |  |
|-------|---|--|
| North | - | RD6 / Douglas Road, Ottawa River                               |
| South | - | IL, IG / Douglas Road, University of Toledo Engineering Campus |
| East  | - | RD6 / Westwood Avenue, Single Dwelling Homes, Duplexes         |
| West  | - | IL, RD6, RS6 / University of Toledo Main Campus                |

#### Parcel History

- |          |   |   |
|----------|---|---|
| M-5-73   | - | Review of the grading, draining, curbing, paving and installation of sidewalks on Westwood Avenue (Relocated) from Dorr Street to Kenwood Boulevard   |
| T-214-78 | - | Transfer of Title from the City of Toledo to The University of Toledo, in exchange for property transferred from the University to the City for the relocation of Westwood Avenue (P.C. approved 8/21/78) |

**GENERAL INFORMATION (cont'd)**Applicable Plans and Regulations

- Toledo Municipal Code Part Eleven: Planning and Zoning
- Toledo 20/20 Comprehensive Plan
- Forward Toledo Plan

**STAFF ANALYSIS**

The University of Toledo (UT) has requested permission to construct a pedestrian bridge over Douglas Road between John F. Savage Arena and their property along N Westwood Avenue (near the intersection with Marwood Avenue). Per the Toledo Charter, Section 190, the Plan Commission shall review the plan, design and location of bridges in the City.

Douglas Road acts as a barrier between UT's Main and Engineering Campuses. Currently there are only two safe methods of crossing Douglas Road: a signalized crossing at intersection with Oakwood Avenue and an underpass along Bancroft Street. These crossings are ½ mile from each other. A number of students opt to cross Douglas Road where it is more convenient – near Savage Arena about midway between safe crossings. This crossing is considered dangerous due to Douglas Road's high speeds and steep embankments. The addition of a pedestrian bridge will eliminate these dangerous crossings and provide a safe and convenient crossing for students wishing to walk between UT's Main and Engineering Campuses.

Forward Toledo Plan

The Forward Toledo Plan highlights a lack of connectivity in Toledo's existing pedestrian and Bike infrastructure. As such, one of its goals is to increase connectivity. Douglas Road acts as a barrier between the Bancroft Hills neighborhood and UT's Main Campus - a desirable place to walk which has connections to the University Parks and Chessie Circle Trails. The proposed pedestrian bridge is compatible with the Forward Toledo Plan because it removes this barrier and increases connectivity.

Bridge Design

While the towers on either side of the bridge use UT's signature Lannon Stone façade near their tops, the majority of the towers are concrete. The majority-concrete towers in addition to the concrete stairs/ramps make the bridge aesthetically bare and out of character with UT's architecture. Staff suggests adding architectural interest by adding either Lannon Stone or an alternative manufactured stone or grey thin-brick to the base of the towers. The additional architectural interest would enhance the pedestrian experience and further promote UT's signature architecture.

**STAFF RECOMMENDATION**

Staff recommends that the Toledo City Plan Commission approve the pedestrian bridge over Douglas Road between John F. Savage Arena and properties along N Westwood Avenue because it increases pedestrian connectivity and addresses dangerous crossings that currently occur across Douglas Street.

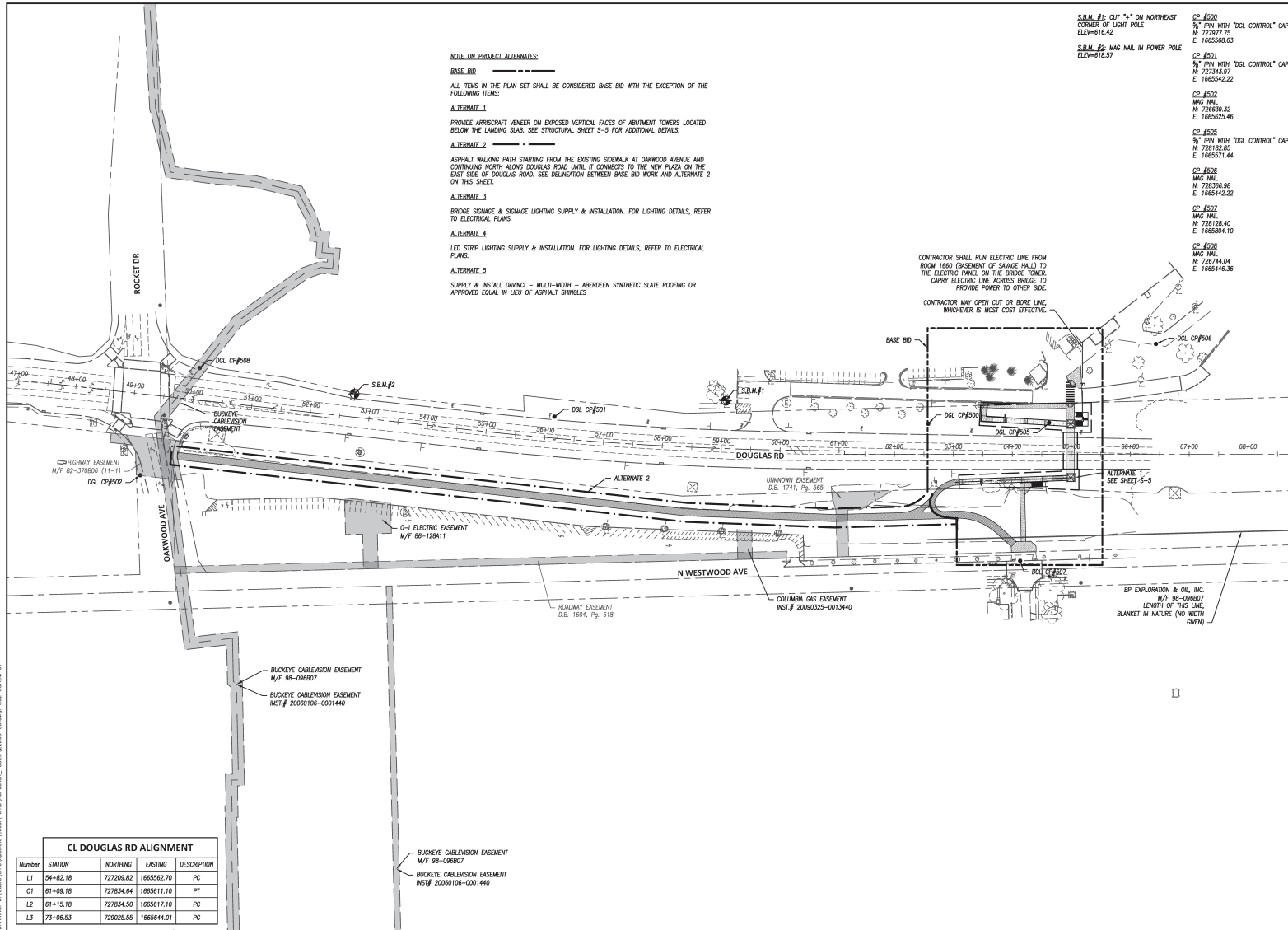
REF: M-5-24 . . . June 13, 2024

BRIDGE REVIEW  
TOLEDO CITY PLAN COMMISSION  
REF: M-5-24  
DATE: June 13, 2024  
TIME: 2:00 P.M.

AS

# SCHEMATIC PLAN

**M-5-24**  
ID 51



PLOTTED: May 17, 2024 - 4:42pm  
DRAWING: C:\Users\james\AppData\Local\Temp\AutoCAD\22205 CD.dwg 002 50x110 LT

## 18-5

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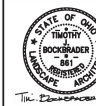


1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGE TO EXISTING CONTRACTOR'S WORK IS DUE TO THE SATISFACTION OF THE OWNER.
3. ALL PLANT MASSSES TO BE CONTAINED WITHIN 3" DEEP HARDWOOD BARK MULCH BED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LAWN AREAS.
5. FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF OBSTACLES OR DEFECTS.
6. CONTRACTOR SHALL SEED OR SOD ALL AREAS DISTURBED DURING CONSTRUCTION. SEE PLAN.
7. PLANTING SHALL MEET ALL EXISTING STANDARDS SET BY THE U.S.A. STANDARD FOR NURSERY STOCK.
8. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.

## LANDSCAPE CONSTRUCTION NOTES:

- 1 LAWN AREA - PROVIDE 6" TOPSOIL OVER EXISTING STONE BASE TO REMAIN. MEET EXISTING GRADES AND ADJOINING WALKS FLUSH. POSITIVE DRAINAGE ACROSS ALL SURFACES. SEED BY HYDROSEED ONLY. SEE SPECIFICATIONS FOR SEED MIX.
- 2 NO MOW SEED MIX - PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES. SEED BY SPREADER OR SEEDING MACHINE. SEE SPECIFICATIONS FOR SEED MIX.

PLANT SCHEDULE		
CODE	BOTANICAL NAME	COMMON NAME
<b>TREES</b>		
AC	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE
CP	CORNUS MAS 'PYRAMIDALIS'	UPRIGHT CORNELL CHERRY
NT	NYSSA SYLVATICA	TUPELO
ES	TREE TO MATCH EXISTING STREET TREES	
<b>SHRUBS</b>		
PH	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS
RG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC
VB	VIBURNUM X BURKWOODII	BURKWOOD VIBURNUM
<b>GROUND COVERS</b>		
HD	HEDERA HELIX	ENGLISH IVY

9		
8		
7		
6		
5		
4		
3		
2	ISSUED FOR RE-BID	5/20/2024
1	ISSUED FOR BIDDING	4/5/2024



THE UNIVERSITY OF TOLEDO  
PEDESTRIAN BRIDGE OVER DOUGLAS RD  
DOUGLAS RD  
TOLEDO, OH 43606  
LUCAS COUNTY

## LANDSCAPE PLANTING PLAN

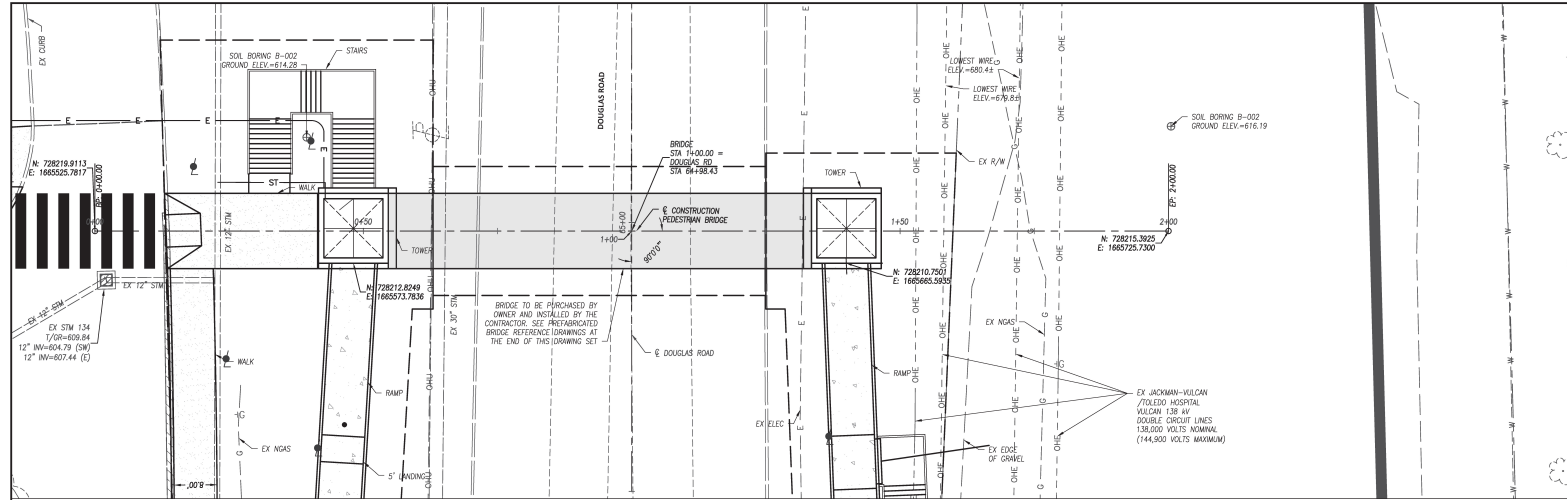
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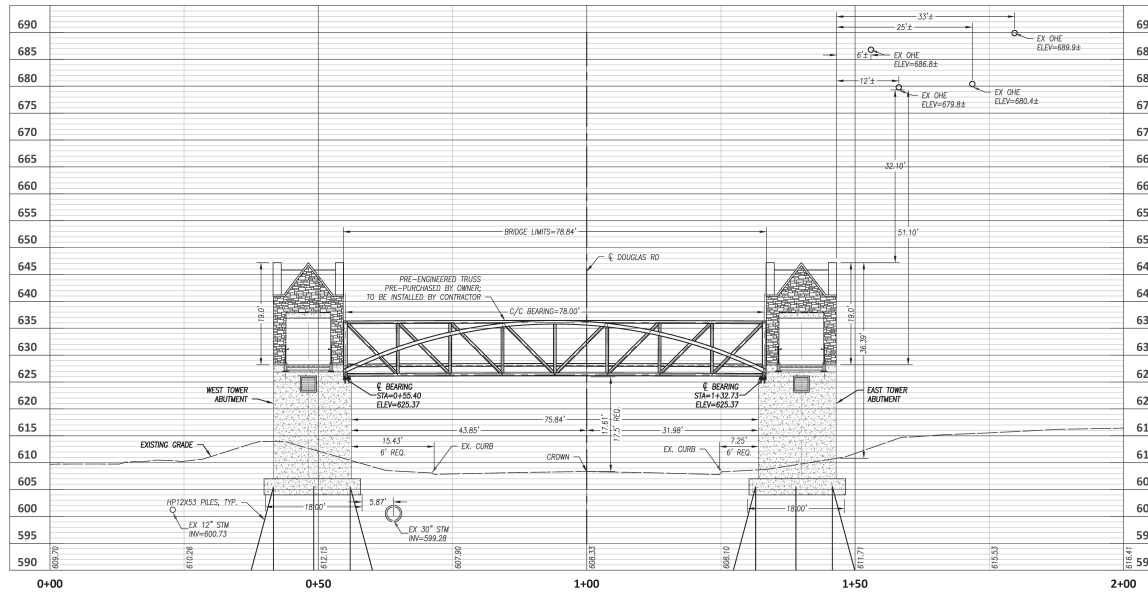
LOTTED: May 16, 2024 - 9:29am  
 DRAWING: P:\Clients\DEL Consulting Engineers\22163.1 - UT Petroleum Bridge (Ch)\200 - Design\201 - CAD\201.1.3 - AutoCAD C. Docs - BLANK\1.01.1.02 - Landscape - DEL Thk.dwg: Model

# BRIDGE PLAN & PROFILE

**M-5-24**  
ID 51



**BRIDGE PROFILE**



PROPOSED BRIDGE DATA	
TYPE:	SINGLE SPAN PREFABRICATED STEEL TRUSS SUPERSTRUCTURE ON REINFORCED CONCRETE ABUTMENTS
SPANS:	78'-0" C/C BEARINGS
ROADWAY:	13'-0" FACE TO FACE STEEL TRUSS
LOADING:	H-5 TRUCK; 90 PSF PEDESTRIAN LOADING
SKIN:	NONE
WEARING SURFACE:	CONCRETE
APPROACH SLABS:	NONE
ALIGNMENT VERTICAL CURVE:	
CROWN:	2% EACH WAY
BRIDGE COORDINATES:	41°39'36.6"N LAT., 83°36'30.3"W LONG.

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<p><b>THE UNIVERSITY OF TOLEDO</b> <b>PEDESTRIAN BRIDGE OVER DOUGLAS RD</b> TOLEDO, OH 43606 LUCAS COUNTY</p>																			
<p><b>BRIDGE PLAN &amp; PROFILE</b></p>																			
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PLOTTED: May 17, 2024 - 4:25pm  
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# BRIDGE RENDER DAY

M-5-24  
ID 51



18 - 7



# BRIDGE RENDER NIGHT

**M-5-24**  
ID 51



18 - 8

