

ITEM#: 16  
DATE: 06-14-22

### **COUNCIL ACTION FORM**

**SUBJECT: AUTHORIZING STAFF TO TEMPORARILY CLOSE ARTERIAL STREET  
(UNIVERSITY BOULEVARD FOR ISU PEDESTRIAN BRIDGE)**

#### **BACKGROUND:**

On April 13, 2021, the City approved an easement for the installation of a pedestrian bridge that will connect Jack Trice Stadium to parking lots east of University Boulevard. The project has progressed to the point where the contractor working on behalf of Iowa State University (ISU) is ready to install the bridge span over University Boulevard.

In the interest of public safety, this work should be done at night while the street can be closed to traffic. Municipal Code requires City Council approval for closures of arterial streets. **To facilitate ISU's project, staff is asking that City Council temporarily delegate (for this project only) to staff the ability to close University Boulevard. This will allow flexibility in case there are unforeseen weather delays in the initial schedule.**

Henkel, the prime contractor for ISU, is planning to fully close University Boulevard from 7:00 PM to 7:00 AM beginning Monday, June 27 through Saturday, July 2 (four nights in a six-day period). The University Blvd. closure will take place between South 4<sup>th</sup> Street and South 16<sup>th</sup> Street. During those six days, there will be partial closures next to the median underneath the bridge for Henkel to assemble the bridge's structural members. The traffic control plan has been attached showing the phases of the closure.

#### **ALTERNATIVES:**

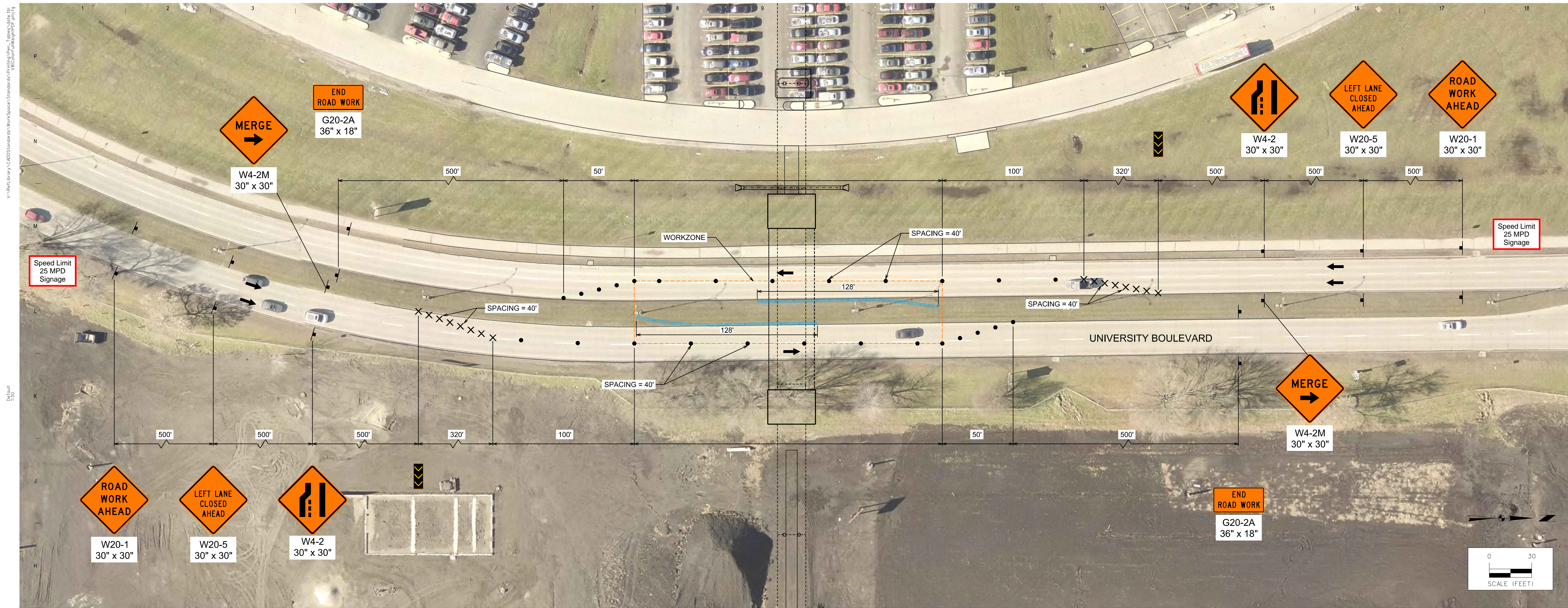
1. Authorize staff to close University Boulevard as needed to facilitate the completion of the ISU Pedestrian Bridge project.
2. Deny the request and direct staff to bring each closure request to City Council for consideration on a case-by-case basis.

#### **CITY MANAGER'S RECOMMENDED ACTION:**

Authorizing City staff to close University Boulevard when needed for this project will allow for greater flexibility and ensure the project can proceed without any undue delay. Staff will work with ISU and the City's Public Relations Officer to ensure that the public is adequately informed in advance of the closures.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.





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 WEITZ COMPANY



# Site Traffic Control - Day Hours

## Timeline of Construction:

- Day 1 (Day Shift): Trusses to be delivered and placed on roadway/median
- Day 2 (Day Shift): Finish Truss #1 on Ground and Splice Wall Panels
- Day 2 (Night Shift): Set Truss #1
- Day 3 (Day Shift): Finish Truss #2 on Ground
- Day 3 (Night Shift): Set Truss #2 and Two Intermediates
- Day 4 (Day Shift): Finish Intermediates on Ground
- Day 4 (Night Shift): Set Remaining Bracing and Intermediates + Precast
- Day 5 (Night Shift): Set Remaining Bracing and Intermediates + Precast

## NOTES

1. REFER TO CONSTRUCTION DETOUR ROUTES SHEET FOR DETOUR ROUTES.
2. CLOSURE OF UNIVERSITY BLVD. SHALL ONLY TAKE PLACE BETWEEN THE HOURS OF 7PM TO 7AM.
3. ALL DETOUR ROUTE TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO THE CLOSURE OF UNIVERSITY BLVD. AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION VEHICLES, MATERIALS, ETC. HAVE BEEN REMOVED FROM THE TRAVELED LANES AND THE ROADWAY CAN BE OPENED TO TRAFFIC.

## TRAFFIC CONTROL PLAN

IN ORDER TO MINIMIZE VEHICLE TRAFFIC CONGESTION, THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING RESTRICTIONS, FOR THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER PROJECTS WITHIN THE AREA.

TRAFFIC CONTROL ON THIS PROJECT SHALL BE IN ACCORDANCE WITH TC SERIES IOWA DOT STANDARD ROAD PLANS LISTED ELSEWHERE IN THESE PLANS. FOR ADDITIONAL COMPLEMENTARY INFORMATION, REFER TO PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CURRENT IOWA DOT STANDARD SPECIFICATIONS.

INGRESS AND EGRESS FROM THE WORK AREA WILL BE ALLOWED ONLY AT LOCATIONS SPECIFIED IN THE CONTRACT DOCUMENTS OR AS APPROVED BY THE OWNER AND ENGINEER. ALL TRUCKS HAULING MATERIAL TO AND FROM THE WORK AREA SHALL DISPLAY A 16"x48" RETRO REFLECTIVE SIGN WITH THE WORDS "DO NOT FOLLOW INTO THE WORK AREA". THE SIGN SHALL BE ORANGE WITH BLACK LETTERING (4" HEIGHT) AND BE COMPRISED OF TYPE VII SHEETING.

ALL TRAFFIC CONTROL WILL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL CHECK TRAFFIC CONTROL DEVICES DAILY AND REPAIR OR REPLACE DAMAGED DEVICES PROMPTLY.

WHERE POSSIBLE, ALL POST MOUNTED SIGNS SHALL BE PLACED AT LEAST TWO (2) FEET BEYOND THE CURB OR EDGE OF SHOULDER. ALL SIGNS TO BE IN PLACE LONGER THAN THREE DAYS MUST BE POST MOUNTED.

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## STAGING NOTES

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CONSTRUCTION MAY TAKE PLACE SIMULTANEOUSLY IN DIFFERENT SEGMENTS OF STAGING, WITH CONCURRENCE FROM THE ENGINEER, AS LONG AS TRAFFIC CONTROL IS COORDINATED AND DOES NOT OVERLAP.

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	TBR
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IOWA STATE UNIVERSITY  
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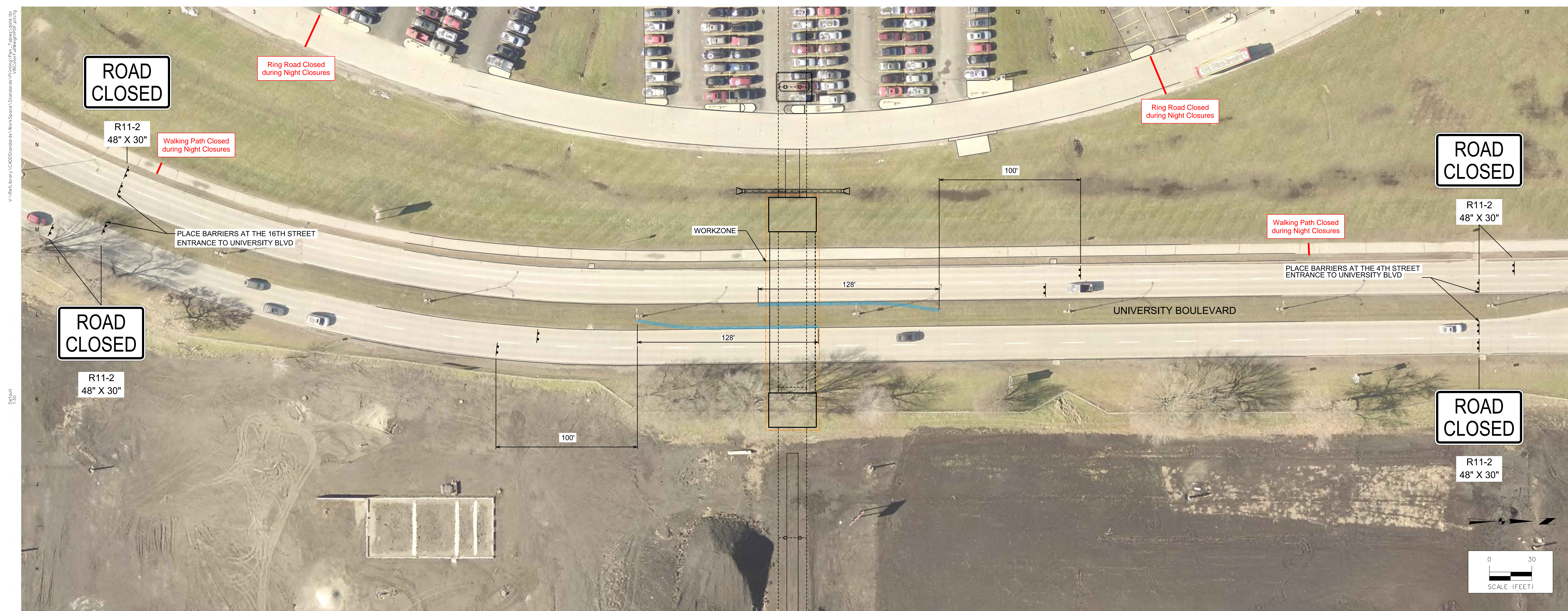
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TRAFFIC CONTROL PLAN  
 STAGE 2





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# Site Traffic Control - Night Hours

## Timeline of Construction:

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- Day 2 (Night Shift): Set Truss #1
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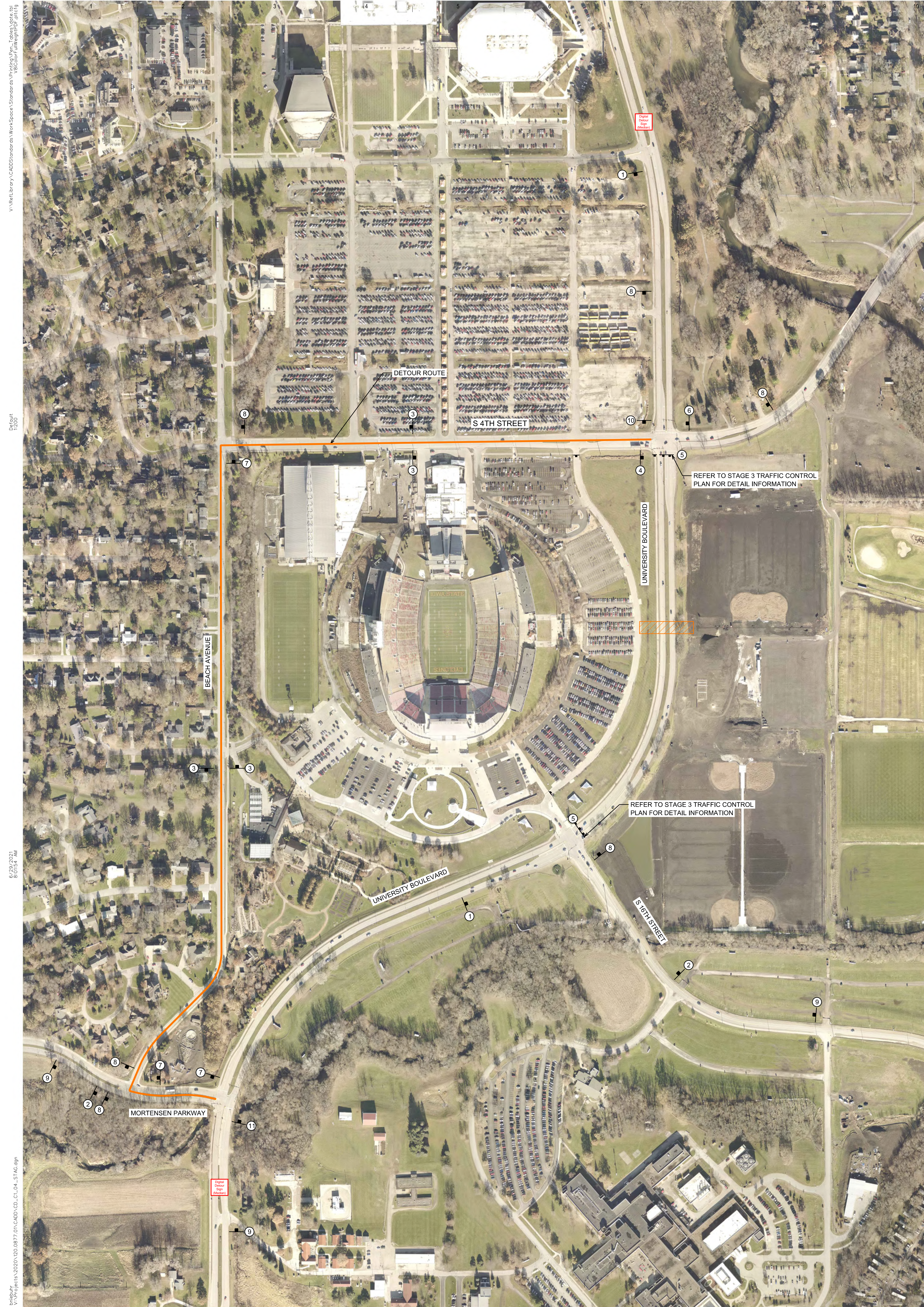


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# Traffic Control Plan





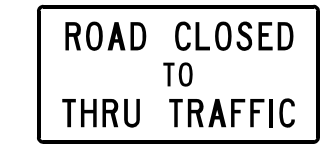






## DETOUR NOTES

CONTRACTOR SHALL NOT CLOSE THE NORTHBOUND AND SOUTHBOUND LANES OF UNIVERSITY BOULEVARD UNTIL AFTER ALL DETOUR TRAFFIC CONTROL IS IN PLACE.

WORK INVOLVING THE CLOSURE OF UNIVERSITY BOULEVARD SHALL BE PERFORMED DURING THE HOURS OF 7:00 PM AND 7:00 AM.


WHERE POSSIBLE, ALL POST MOUNTED SIGNS SHALL BE PLACED AT LEAST 2 FEET BEYOND THE CURB OR EDGE OF SHOULDER.

REFER TO SHEET **C1.03** FOR DETAILED TRAFFIC CONTROL INFORMATION.

- ①  W20-3  
30" x 30"
- ②  W20-2  
30" x 30"
- ③  SPECIAL  
48" x 24"
- ④  SPECIAL  
36" x 24"
- ⑤  R11-4  
60" x 30"
- ⑥  SPECIAL  
36" x 24"
- ⑦  SPECIAL  
36" x 24"
- ⑧  SPECIAL  
36" x 24"
- ⑨  SPECIAL  
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- ⑩  M4-9R  
30" x 24"
- ⑪  M4-9L  
30" x 24"


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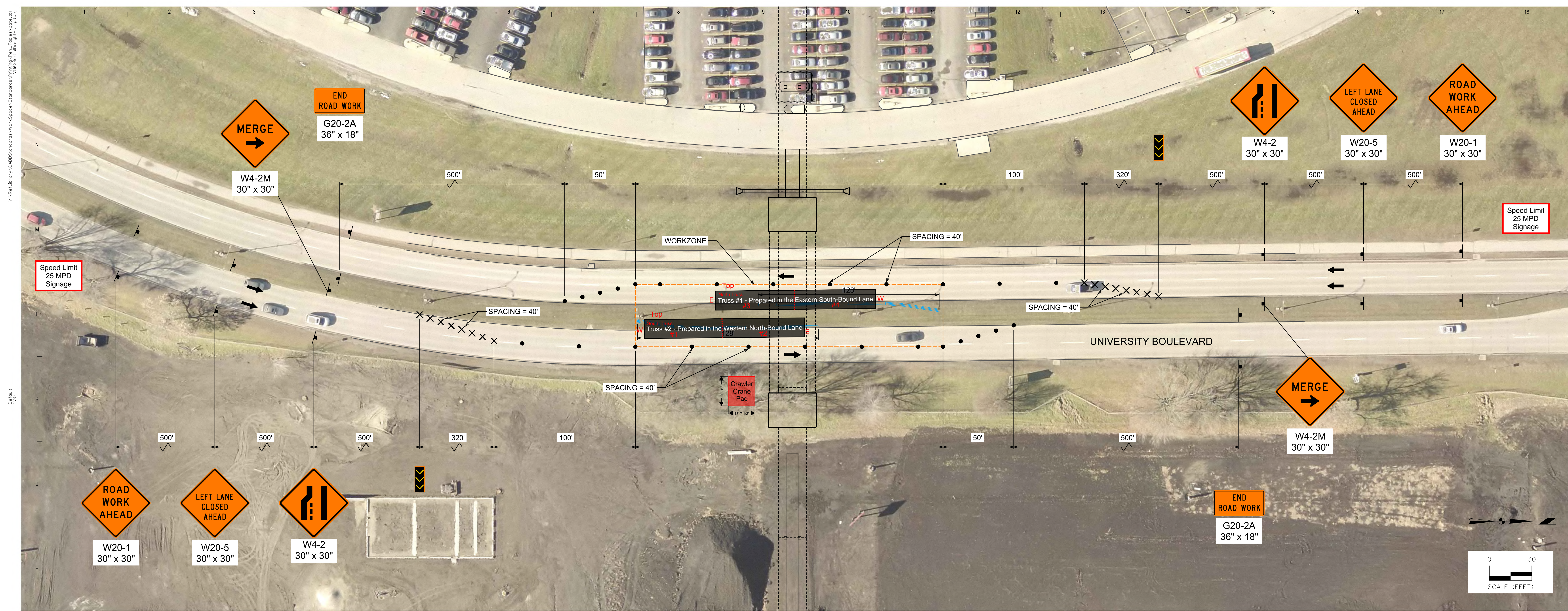
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 CONSTRUCTION DETOUR ROUTES





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# Site Traffic Control - Day #1 (Day Hours)

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Prepared By: mgreen

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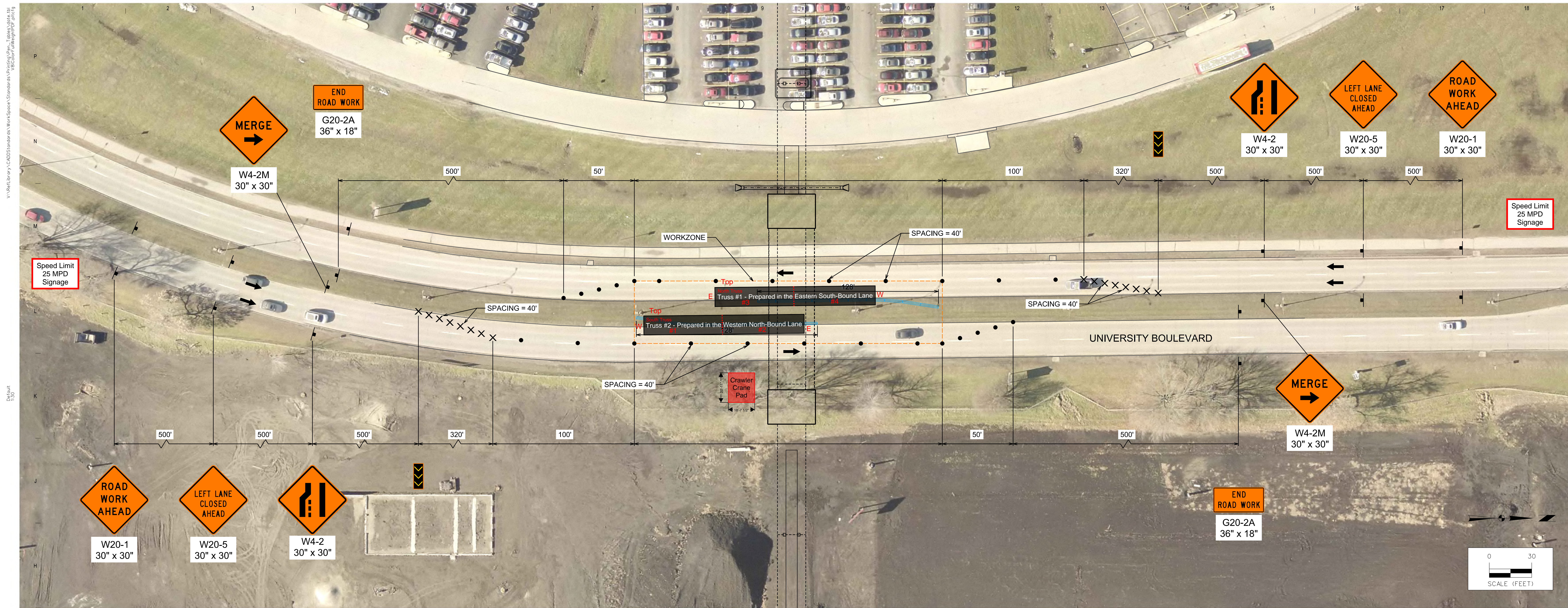
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TRAFFIC CONTROL PLAN  
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# Site Traffic Control - Day #2 (Day Hours)

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# Site Traffic Control - Day #2 (Night Hours)

Refer to Traffic Control Plan for Detour Detail

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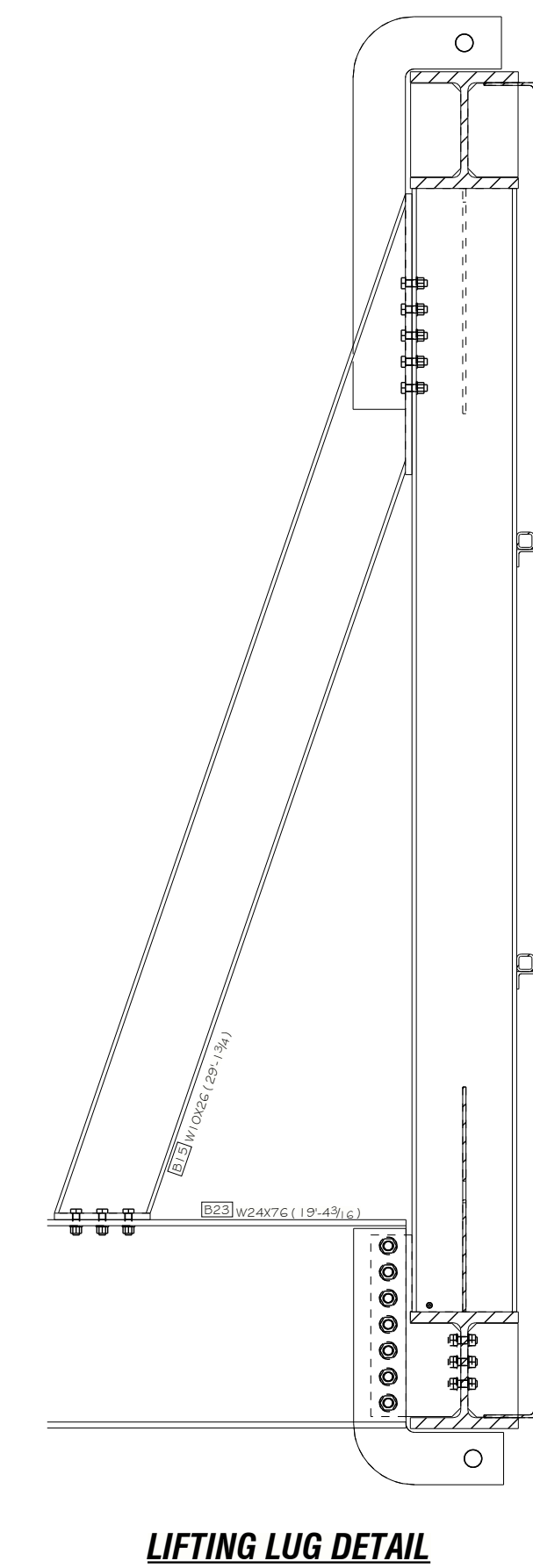
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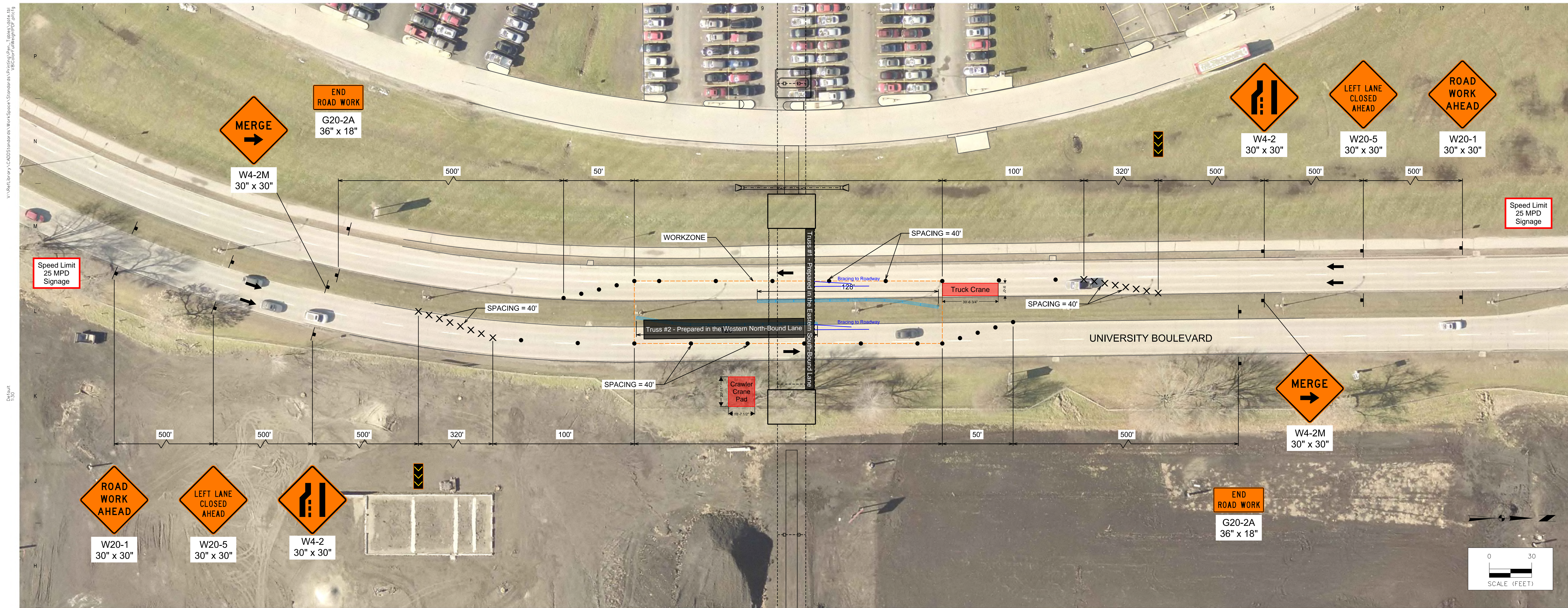
LEGEND	
	DIRECTION OF TRAFFIC
	TRAFFIC SIGN
	TYPE III BARRICADE
	DRUM
	42" CHANNELIZER
	TBR
	ARROW BOARD
	WORK AREA
	CONSTRUCTION SIGN IDENTIFICATION



IOWA STATE UNIVERSITY  
 JACK TRICE STADIUM - EAST GATEWAY BRIDGE  
 CONSTRUCTION SET

Substance No.: 579  
 IOWA STATE UNIVERSITY No.: CP002683  
 Date: June 2021  
 Revisions  
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 001 ISSUE APR 2021





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 TRIVALENT LIGHTING

CONSTRUCTION CONSULTANT  
 WEITZ COMPANY



# Site Traffic Control - Day #3 (Day Hours)

## Timeline of Construction:

- Day 1 (Day Shift): Trusses to be delivered and placed on roadway/median
- Day 2 (Day Shift): Finish Truss #1 on Ground and Splice Wall Panels
- Day 2 (Night Shift): Set Truss #1
- Day 3 (Day Shift): Finish Truss #2 on Ground (6/29)**
- Day 3 (Night Shift): Set Truss #2 and Two Intermediates
- Day 4 (Day Shift): Finish Intermediates on Ground
- Day 4 (Night Shift): Set Remaining Bracing and Intermediates + Precast
- Day 5 (Night Shift): Set Remaining Bracing and Intermediates + Precast

## NOTES

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	TYPE III BARRICADE
	DRUM
	42" CHANNELIZER
	TBR
	ARROW BOARD
	WORK AREA
	CONSTRUCTION SIGN IDENTIFICATION

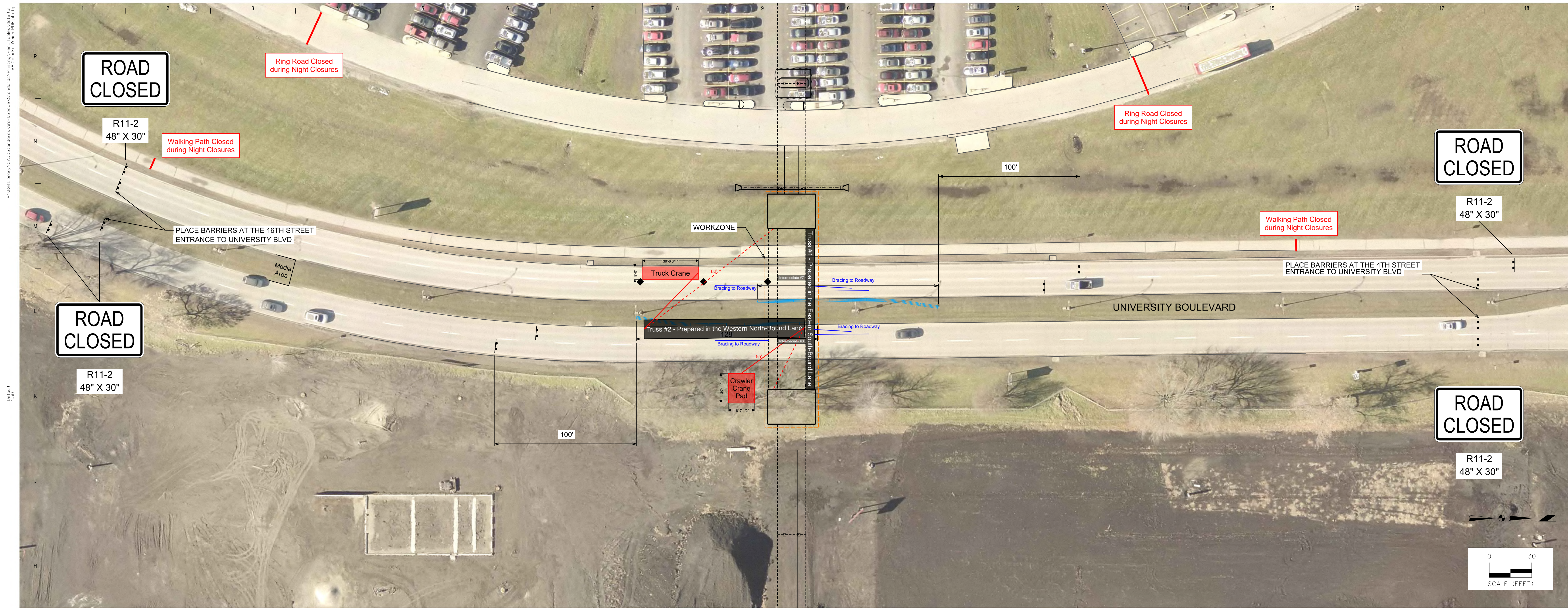


IOWA STATE UNIVERSITY  
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 CONSTRUCTION SET

Substance No.: 579  
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 WEITZ COMPANY



# Site Traffic Control - Day #3 (Night Hours)

Refer to Traffic Control Plan for Detour Detail

## Timeline of Construction:

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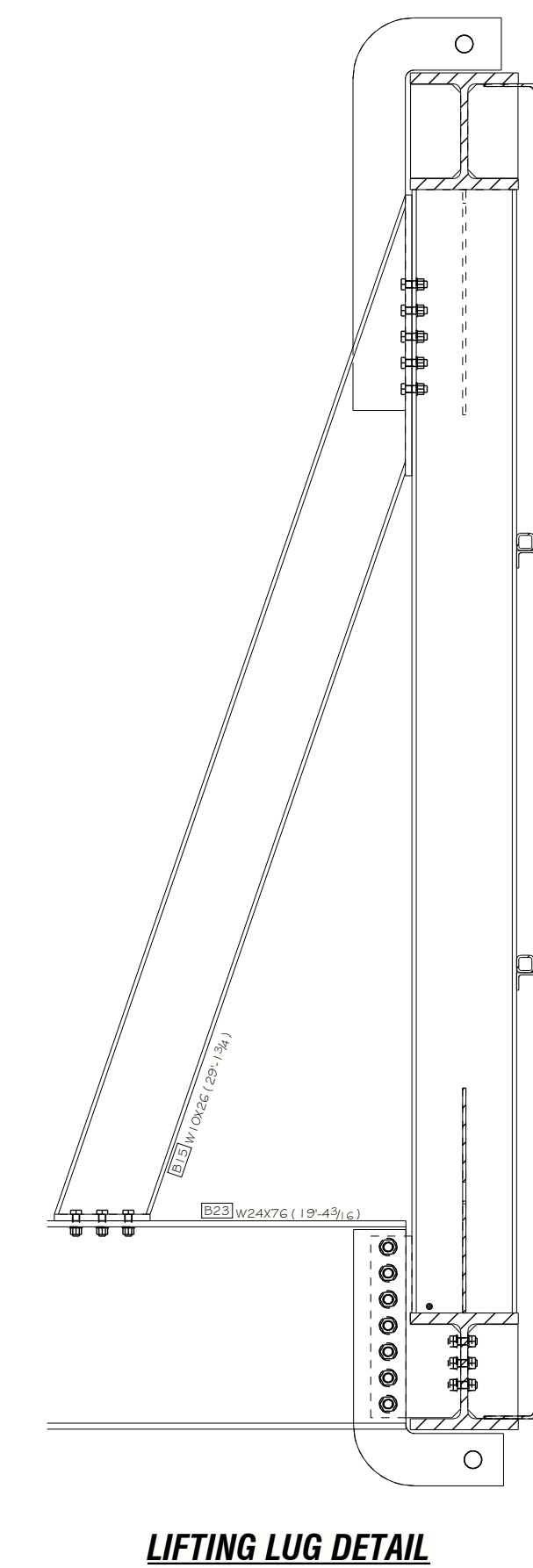
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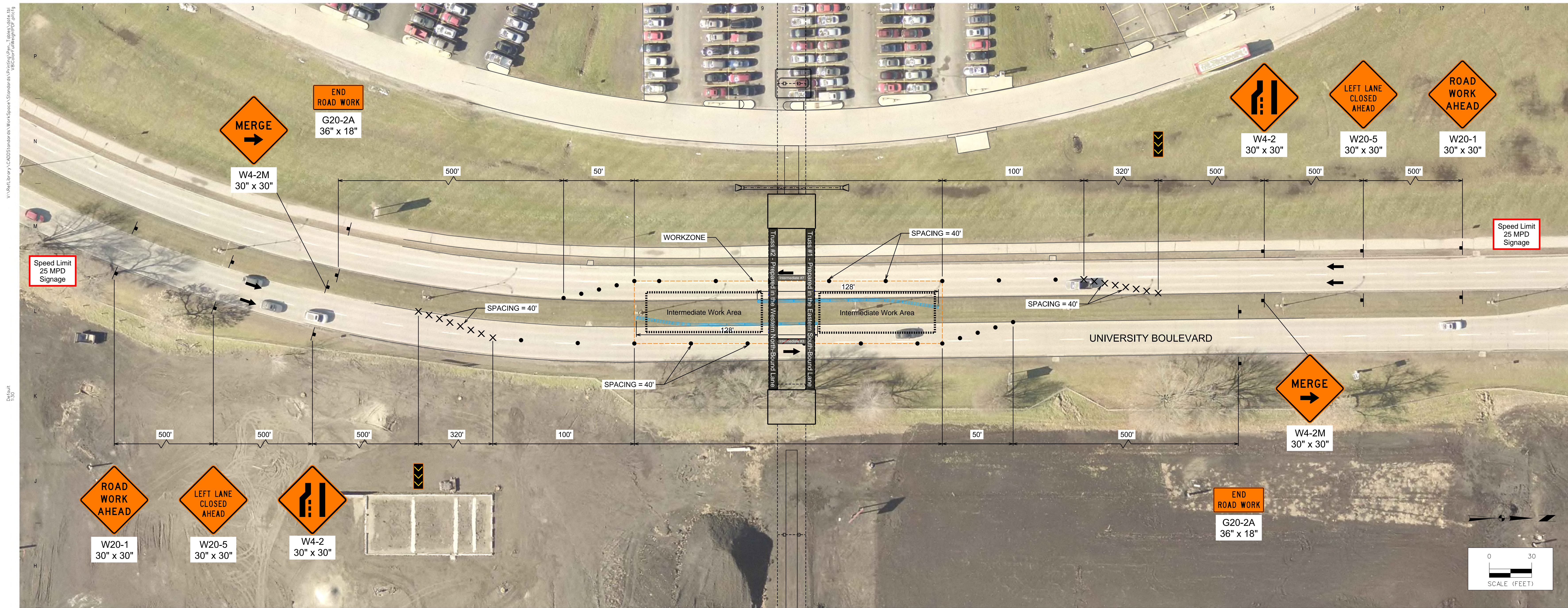


IOWA STATE UNIVERSITY  
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 WEITZ COMPANY



# Site Traffic Control - Day #4 (Day Hours)

## Timeline of Construction:

- Day 1 (Day Shift): Trusses to be delivered and placed on roadway/median
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- Day 3 (Night Shift): Set Truss #2 and Two Intermediates
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	TRAFFIC SIGN
	TYPE III BARRICADE
	DRUM
	42" CHANNELIZER
	TBR
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	CONSTRUCTION SIGN IDENTIFICATION



IOWA STATE UNIVERSITY  
 JACK TRICE STADIUM - EAST GATEWAY BRIDGE

CONSTRUCTION SET

Substance No.: 579  
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TRAFFIC CONTROL PLAN  
 STAGE 2

C1.02





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# Site Traffic Control - Day #4 (Night Hours)

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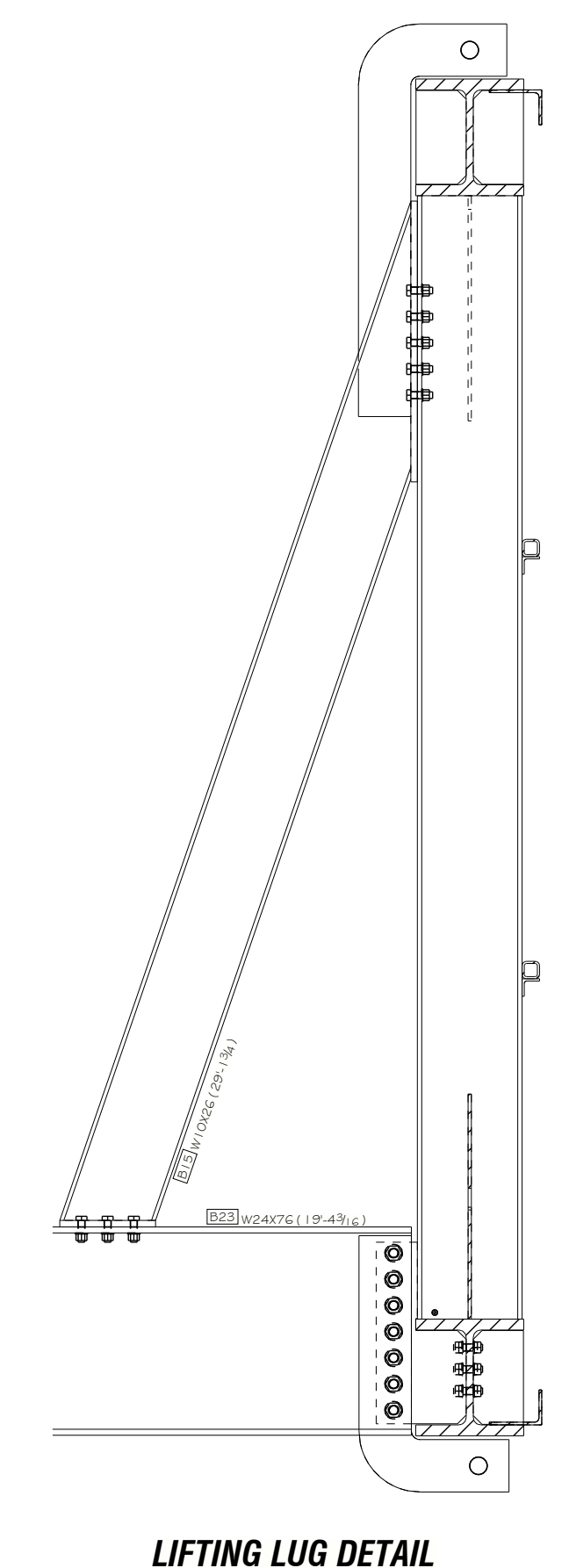
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	DRUM
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TRAFFIC CONTROL PLAN  
 STAGE 3





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# Site Traffic Control - Day #5 (Night Hours)

Refer to Traffic Control Plan for Detour Detail

### NOTES

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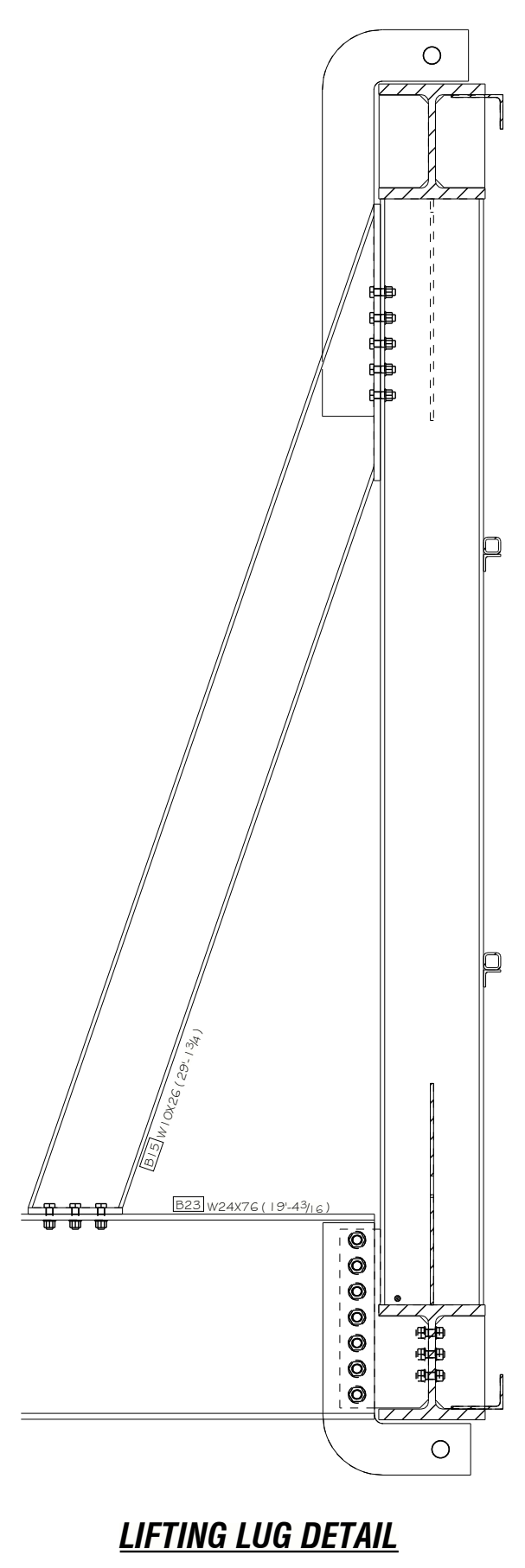
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CONTRACTOR SHALL NOT START ANY WORK UNTIL AFTER TRAFFIC CONTROL IS IN PLACE AND APPROVED BY ENGINEER.

CONTRACTOR IS ALLOWED TO SUBMIT A REVISED STAGING PLAN TO THE ENGINEER TO MEET THE CONTRACTOR'S CONSTRUCTION SCHEDULE FOR SPECIFIC TIMES.

CONSTRUCTION MAY TAKE PLACE SIMULTANEOUSLY IN DIFFERENT SEGMENTS OF STAGING, WITH CONCURRENCE FROM THE ENGINEER, AS LONG AS TRAFFIC CONTROL IS COORDINATED AND DOES NOT OVERLAP.



- Timeline of Construction:**
- Day 1 (Day Shift): Trusses to be delivered and placed on roadway/median
  - Day 2 (Day Shift): Finish Truss #1 on Ground and Splice Wall Panels
  - Day 2 (Night Shift): Set Truss #1
  - Day 3 (Day Shift): Finish Truss #2 on Ground
  - Day 3 (Night Shift): Set Truss #2 and Two Intermediates
  - Day 4 (Day Shift): Finish Intermediates on Ground
  - Day 4 (Night Shift): Set Remaining Bracing and Intermediates + Precast
  - Day 5 (Night Shift): Set Remaining Bracing and Intermediates + Precast (7/1 - 7/2)**

LEGEND	
	DIRECTION OF TRAFFIC
	TRAFFIC SIGN
	TYPE III BARRICADE
	DRUM
	42" CHANNELIZER
	TBR
	ARROW BOARD
	WORK AREA
	CONSTRUCTION SIGN IDENTIFICATION



IOWA STATE UNIVERSITY  
 JACK TRICE STADIUM - EAST GATEWAY BRIDGE  
 CONSTRUCTION SET

Substance No.: 579  
 IOWA STATE UNIVERSITY No.: CP002683  
 Date: June 2021

Revisions  
 MARK DESCRIPTION DATE  
 001 ISSUE APRIL 2021